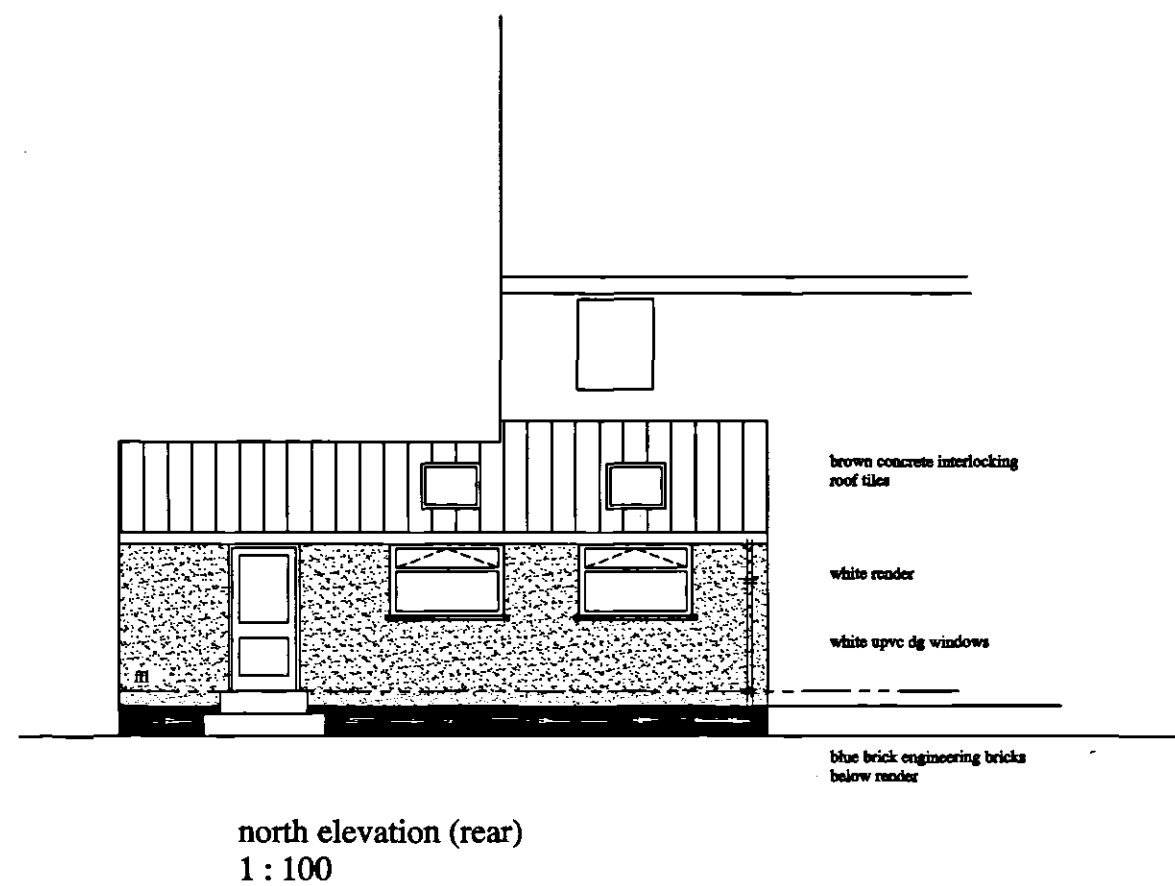
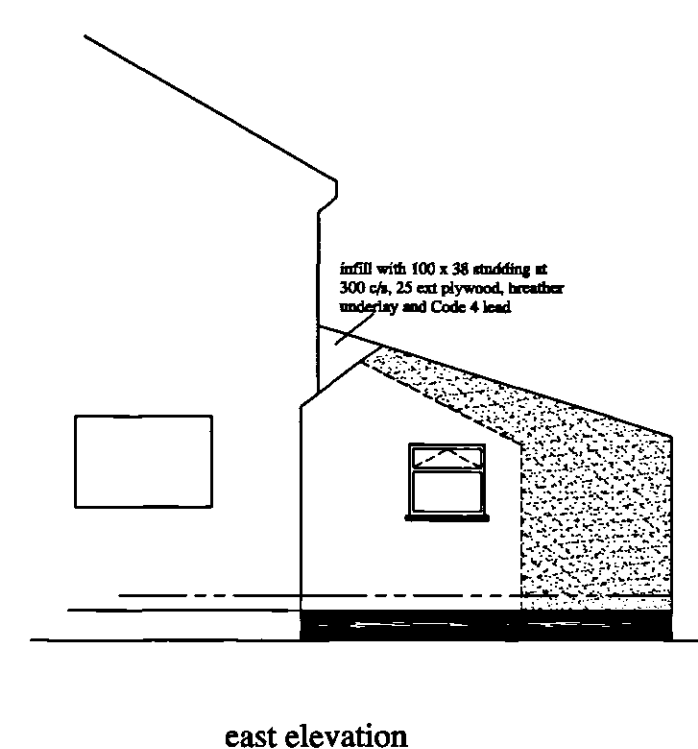
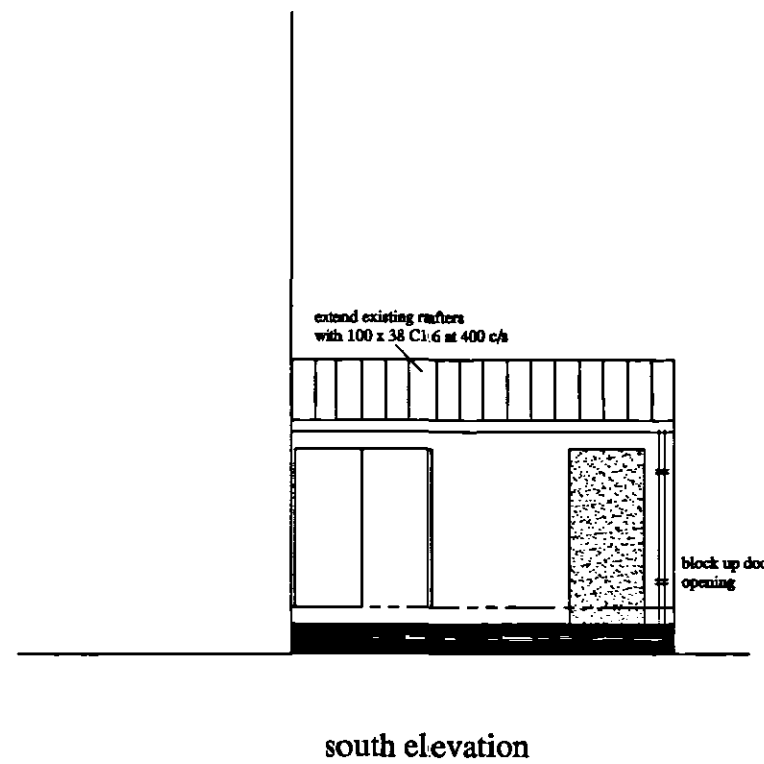
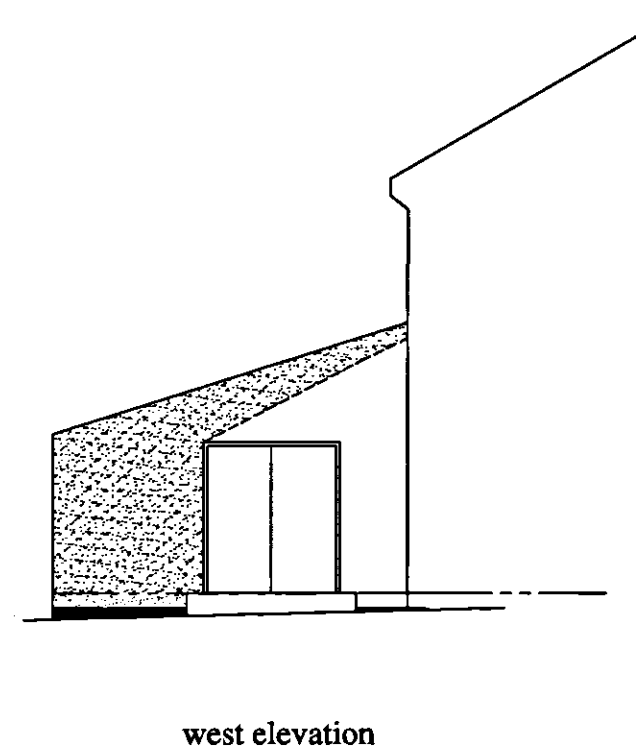
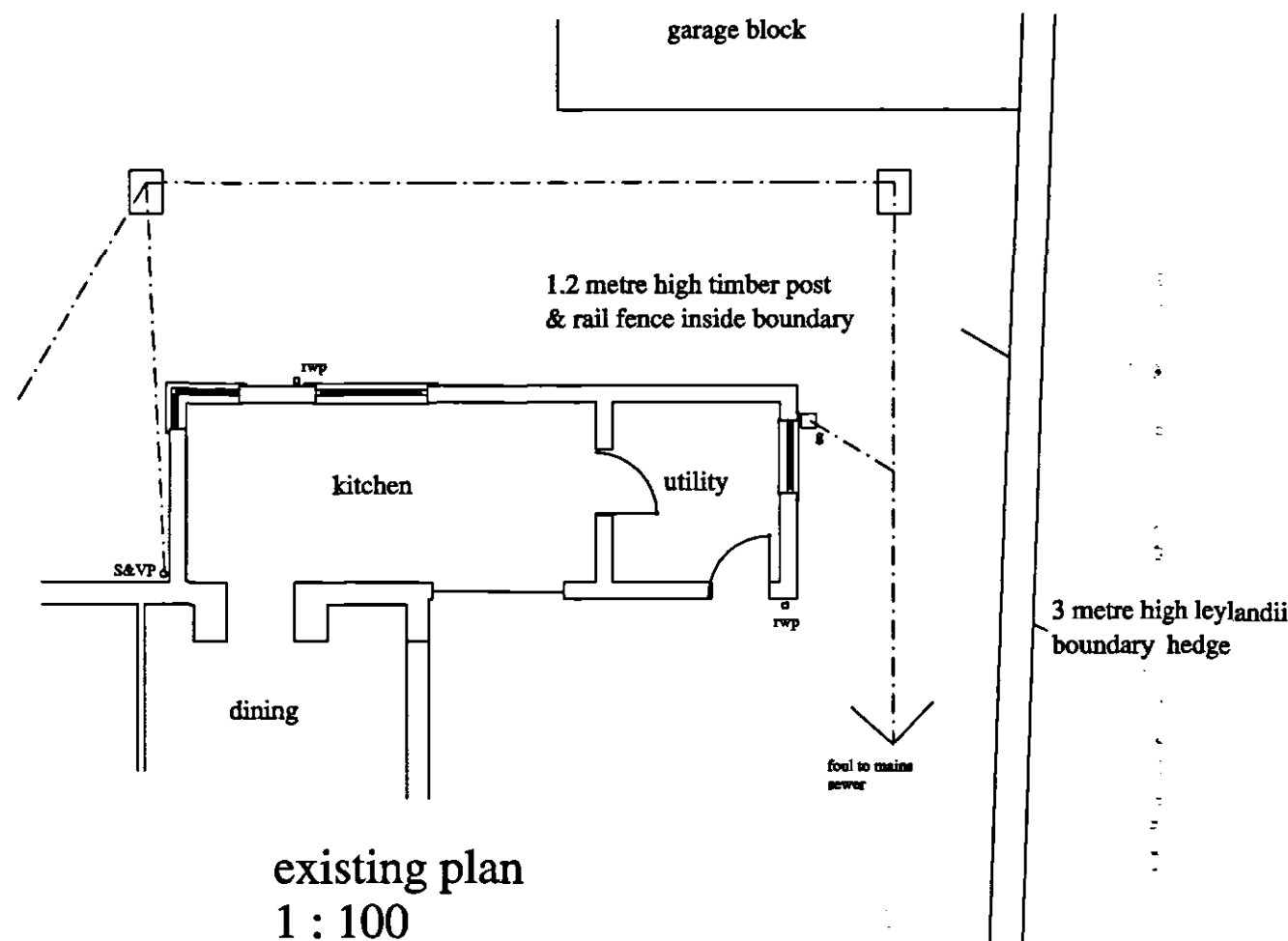
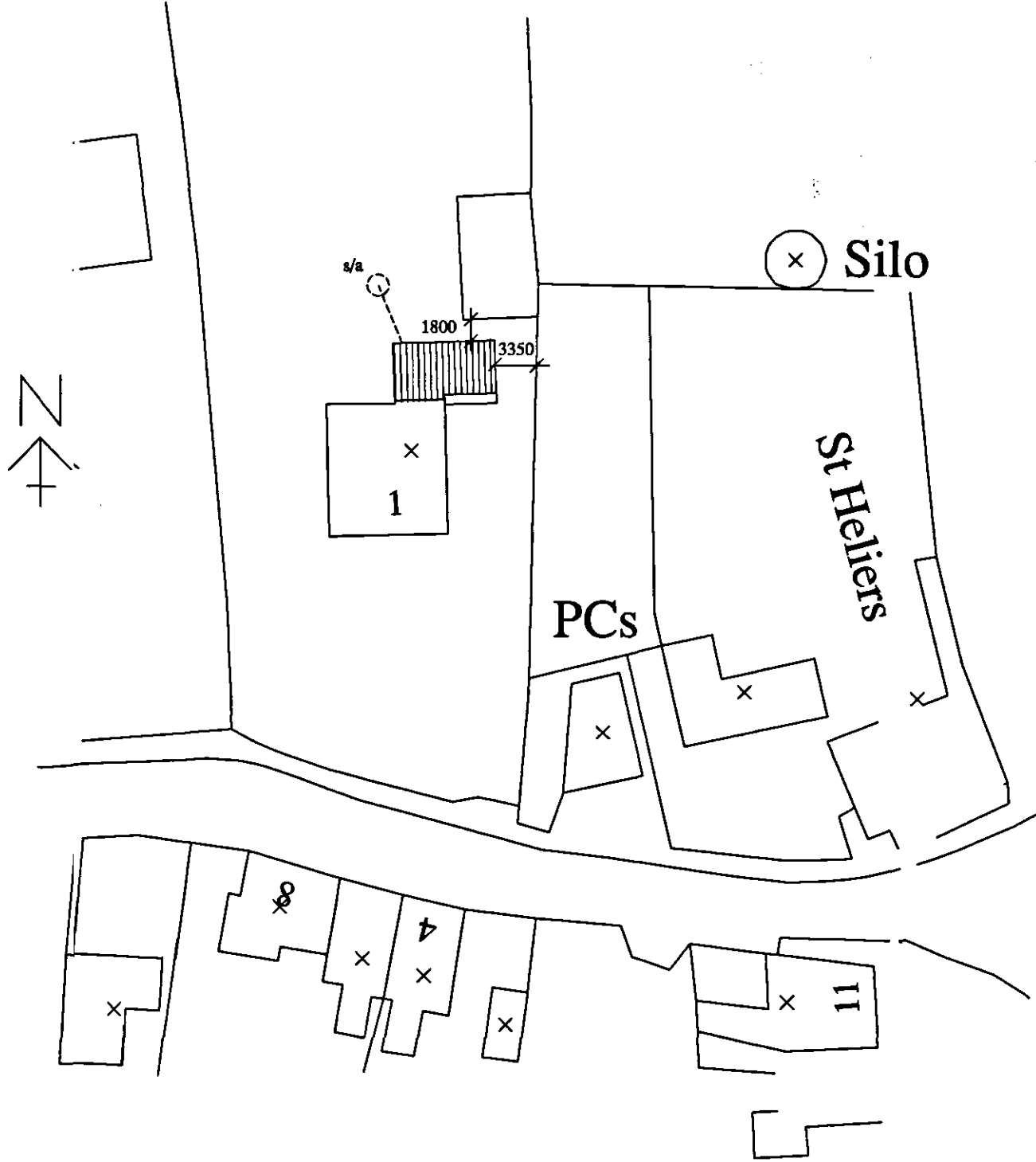
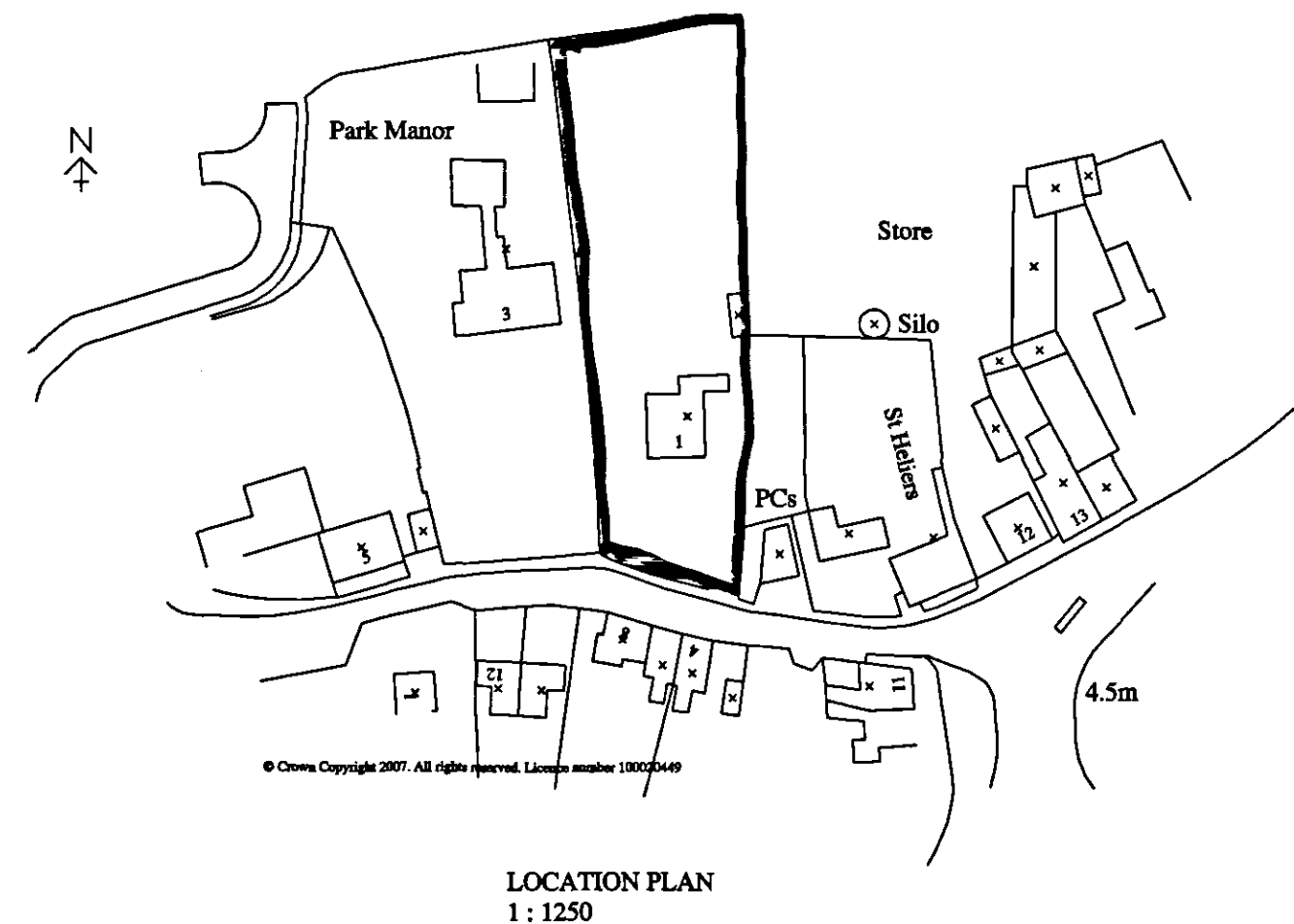




SCHEDULE OF OPENINGS				
Ref	Opening size	Description	Lintel (Catic)	Length
W1	1500 x 1050	Upvc dg window	CG70/100	1800
W2	1500 x 1050	Upvc dg window	CG70/100	1800
W3	1000 x 1050	Replace existing window with upvc dg	N#	
W4	OMITTED	N#	N#	
W5	780 x 980	Velux GGU0059 MO4 dg rooflight	N#	
W6	780 x 980	Velux GGU0059 MO4 dg rooflight	N#	
D1	1800 x 2000	Upvc dg patio doors	CN71	2100
D2	950 x 2000	Upvc dg external door & frame	CG70/100	1350



NOTES

Foundations - Concrete mix ST4 to strip footings to sizes as shown Blockwork below dpc to be Class A concrete blocks. Cavity walls filled to ground level with weak mix concrete. Hyload dpc's min 150 above ground level.

Ground Slab - 150 min hardcore blinded with sand, 1200 poly dpm, 100 thick concrete slab mix ST4, 100 thick Polyfoam Plus Floorboard 220 to give maximum U value of 0.20 W/m2k and finished with 75 thick cement & sand floor screed. Provide vertical upstand to floor insulation at external perimeters.

Walls - External cavity walls formed with 100 outer skin of rendered blockwork, 85 cavity filled with Dritherm & 100 thick standard aircrete insulating blocks by Celcon, Thermatite or similar to give maximum U value of 0.30 W/m2k. Cavity walls tied together with stainless steel ties at 750 horizontal centres & 450 vertical centres with additional ties at 225 centres around openings. Cavities to be closed around openings with blockwork and 150 wide insulated dpc's. Window & door frames set back in reveal so that frames cloak insulation by at least 25mm. Bond new walls to existing with stainless steel profiles. Internal walls to be 215 masonry.

Limiting Thermal Bridging & Air Leakage - This to be achieved by adopting recommendations of report on "robust construction details TSO 2001".

Lintels - Cavity wall lintels to be Catic with insulation inserts & to have 150 minimum end bearing. Cavity wall lintels to have felt cavity trays over with stop ends & weep holes at 450 centres.

Pitched Roof - All structural timbers to be grade C16 & pressure impregnated. Ex 100 x 100 softwood wall plates secured with BAT M305 straps at 1.8m centres. Gables & ceiling joists secured with BAT M305 straps at 1.2m centres. Straps to be over min of three rafters with 50 x 50 support noggings. Lean-to roof comprising 100 x 38 C16 rafters at 400 c/s with 90 Celotex between rafters and 29 Celotex board under rafters with 12.7 plasterboard & skim soffit to give U value 0.20 W/m2k. Concrete interlocking roof tiles suitable for 17.5 degree pitch on 38 x 25 treated sw battens on breather underlay. Form Code 4 lead flashings to abutments. 100 upvc gutters and 68 diameter upvc rainwater pipes.

Wastes & Vent Pipes - Wastes to be Osma or similar. 32 diameter to basins, 40 to sinks, baths & showers; all with 76mm deep seal traps. Where basin wastes branches between 1.7m to 3m long increase to 40 diameter. Anti-siphonic traps to be fitted where appropriate. 100 diameter vent pipes to terminate with balloon grating 900 above opening.

Ventilation - To be background ventilators & intermittent extract fans to outside air as System 1, Part F of Building Regs. Intermittent extract rates to be 60 l/s in kitchens & 30 l/s in utilities. Fans generally to be axial type. Centrifugal fans to be used where duct lengths exceed 1.5 metres. The equivalent background ventilation to be 35,000 mm2 based on floor area not exceeding 50 m2. Background ventilators to be to BS EN 13141-1 and be located 1.7 metres above floor. Purge ventilation to be provided by opening lights in windows. The opening area to be 1/20th of floor area of room generally. Where windows open less than 30 degrees purge ventilation to be 1/10th of floor area. Cross ventilation in building to be promoted by a 10mm gap under each internal door.

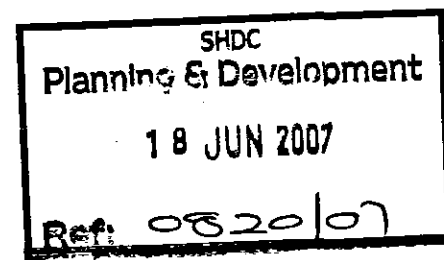
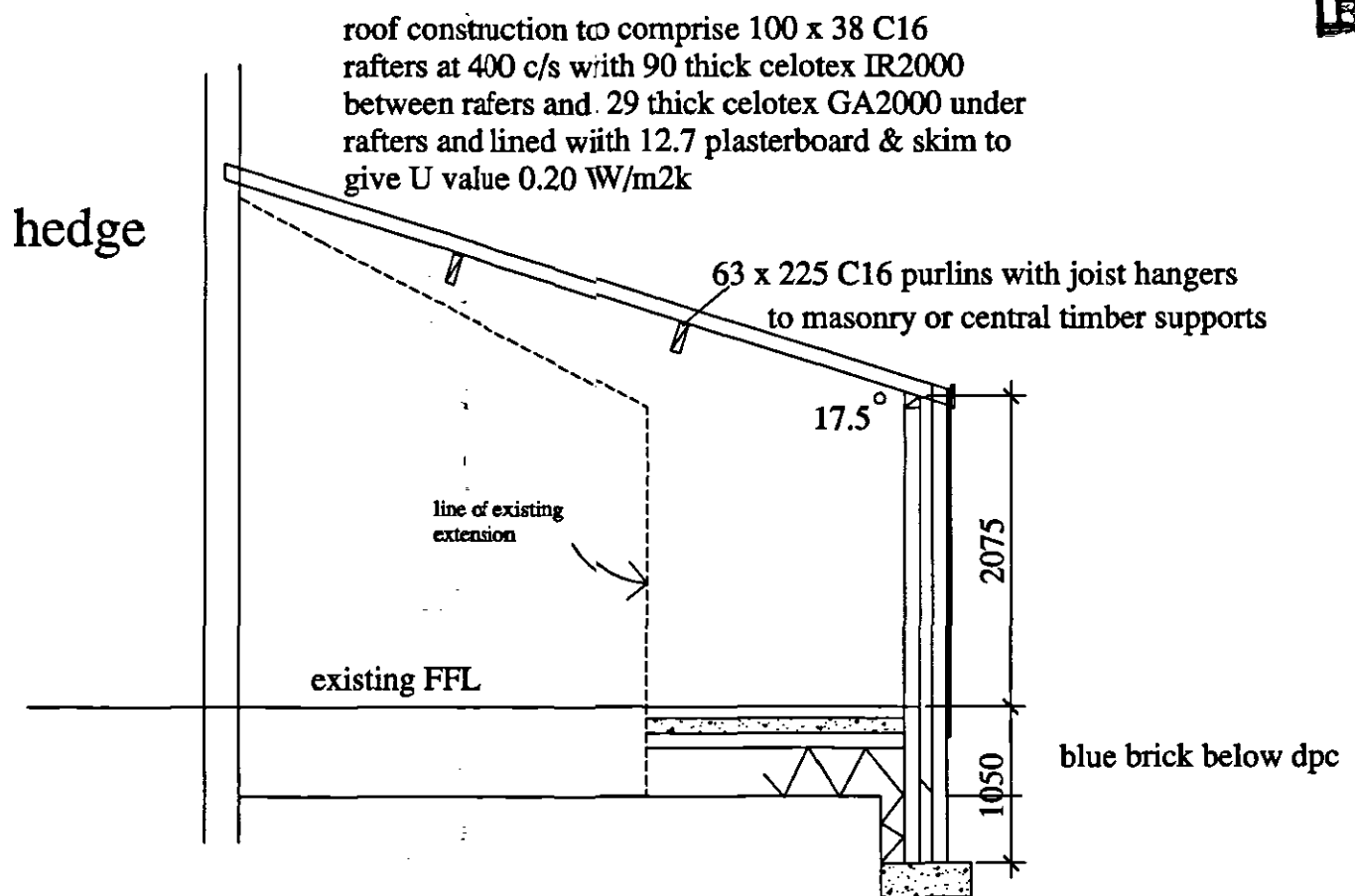
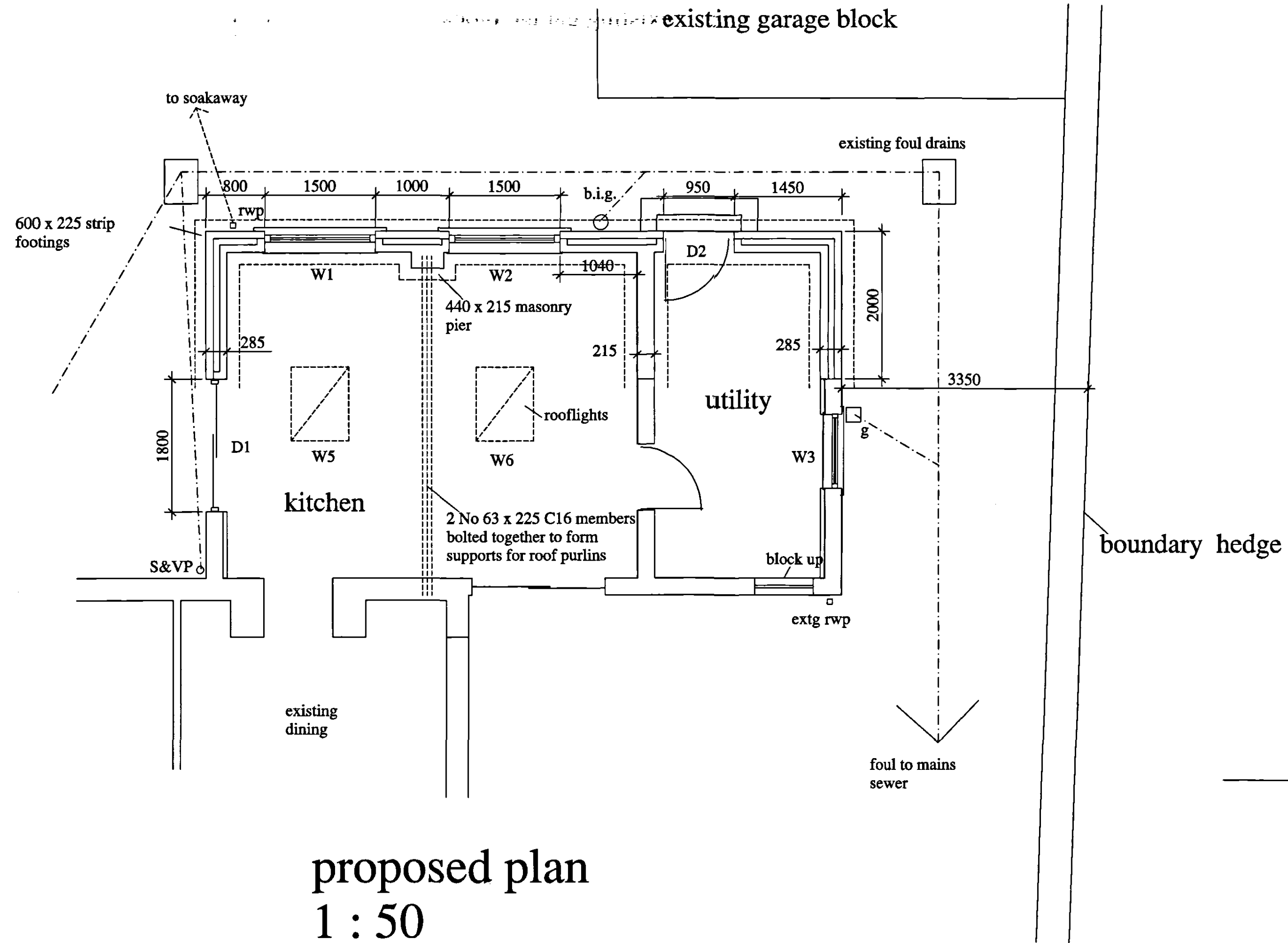
Central Heating & Hot Water - Existing gas fired heating & hot water system extended by CORGI registered engineer. Heating & hot water system to be commissioned at completion and test certificate to be provided. Supply owner/occupier with operating & maintenance manual for heating & hot water system.

Windows/Doors/Rooflights - Windows, external doors and rooflights to be upvc double glazed & fitted with trickle vents as described above. 24mm Low E double glazed units to windows/rooflights with U value of 1.80 W/m2K. Doors with more than 50% glazed to be U value 2.2 W/m2k otherwise to be 3.00 W/m2k. Safety glazing to comply with Part N1 of building regulations. Seal around doors and windows externally & internally.

Finishings - Floor to be 75 thick sand & cement screed. Walls to be 12.7 plasterboard & skim. Ceilings to be 12.7 plasterboard & skim or 12 thick t&g boarding.

Drainage - Foul & surface water drains to be 100 diameter upvc bedded & surrounded in 150 thick pea gravel. Drains under building to be encased in 150 thick concrete. Foul to be at fall of 1:40, surface water at 1:100. Precast concrete lintels to be inserted over drains where passing through walls below ground. Inspection chambers for foul drains to be 475 diameter upvc. Soakaways for sw drains to be 1.8m diameter x 1.8m deep & minimum 5 metres from dwelling.

Electrical Installations - All electrical installations to comply with Part P of Building Regulations and be designed, installed, inspected and tested by a person competent to do so. Prior to completion of works the Building Control Officer will be provided with evidence to demonstrate that either the electrical work has been carried out by a member of a relevant 'Competent Persons Scheme' or appropriate electrical installation certificate issued signed by a competent person. Provide Building Control Officer with all necessary electrical installation and test certificates at completion of the works.



REV A : Windows W1, W2 and rooflights moved toward west. Window W4 omitted & opening blocked up June 2007

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client : MR & MRS T KIRKWOOD

project : PROPOSED KITCHEN
EXTENSION AT
1 PARK LANE
DONINGTON, SPALDING

title : GENERAL

date : MAY 2007 scales : AS SHOWN

RICS drg.no. 0728 / 1 A