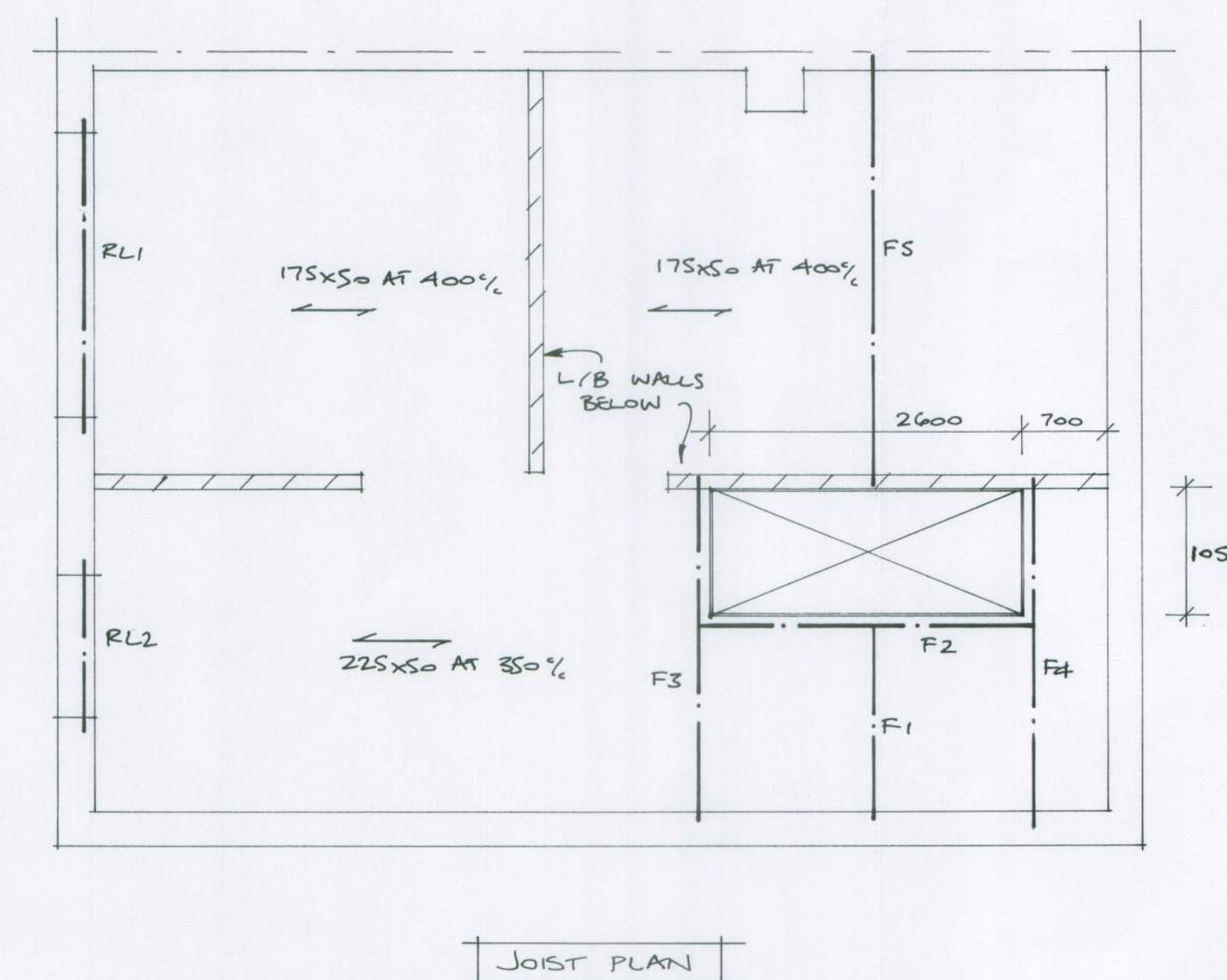
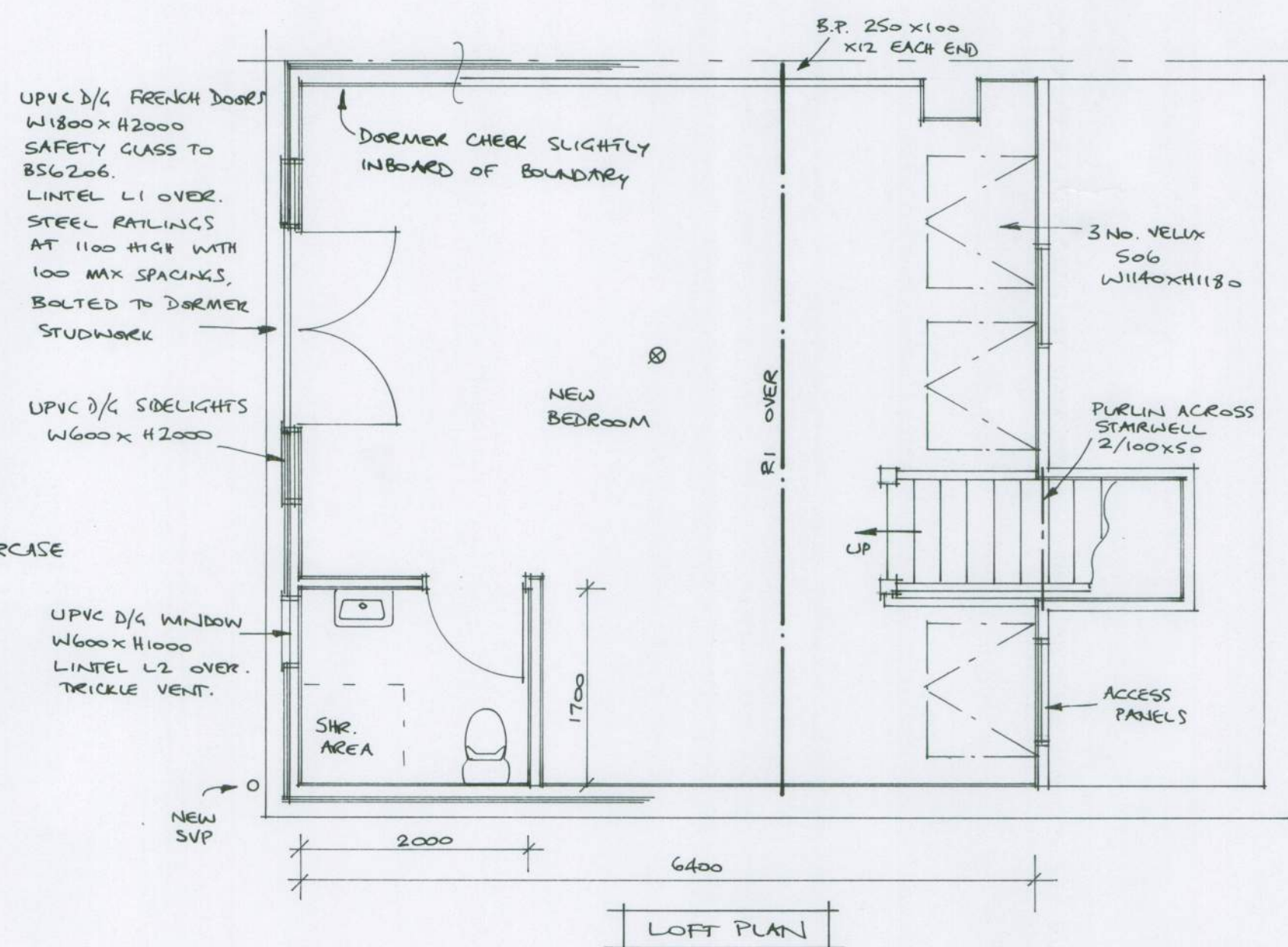
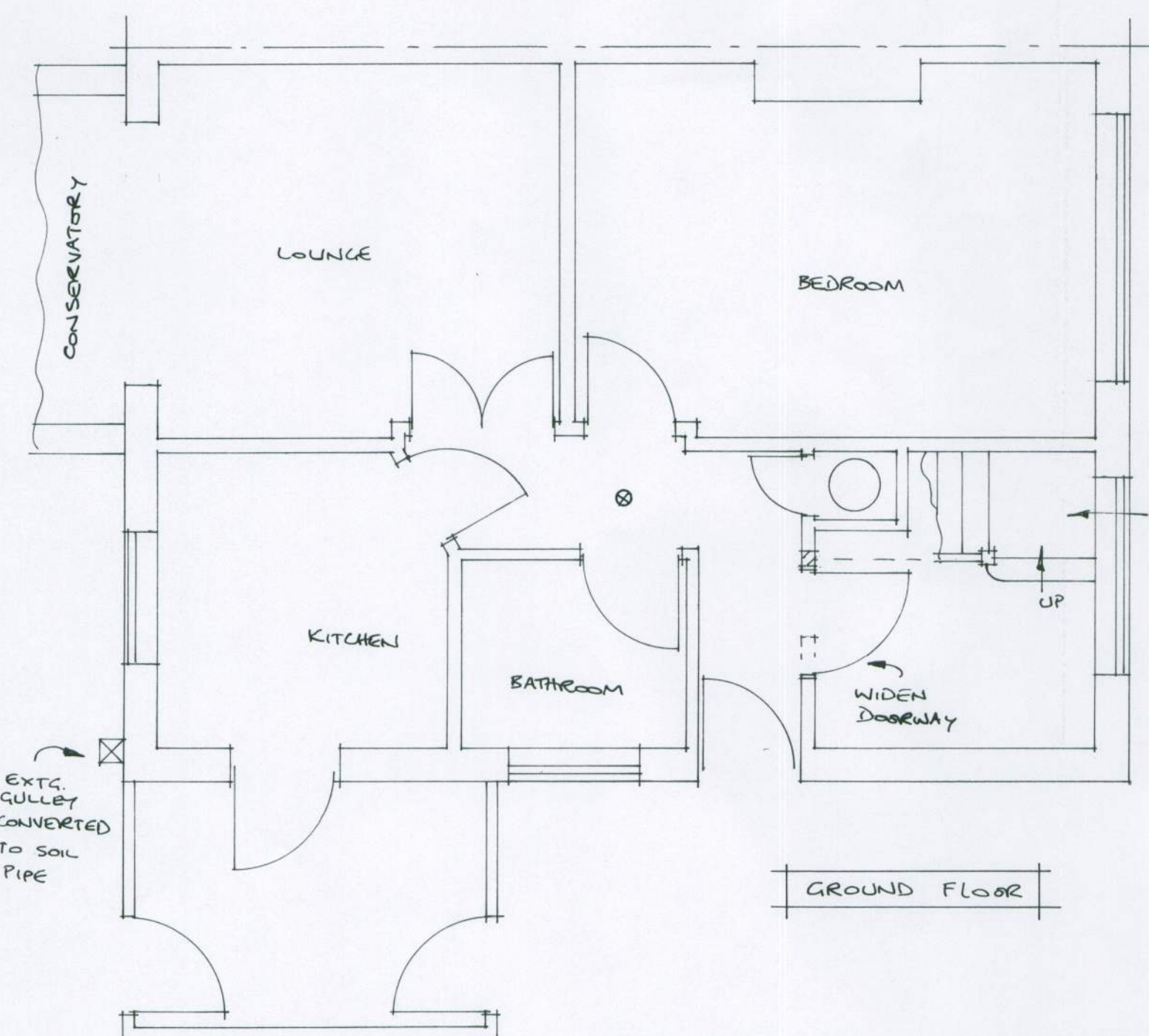
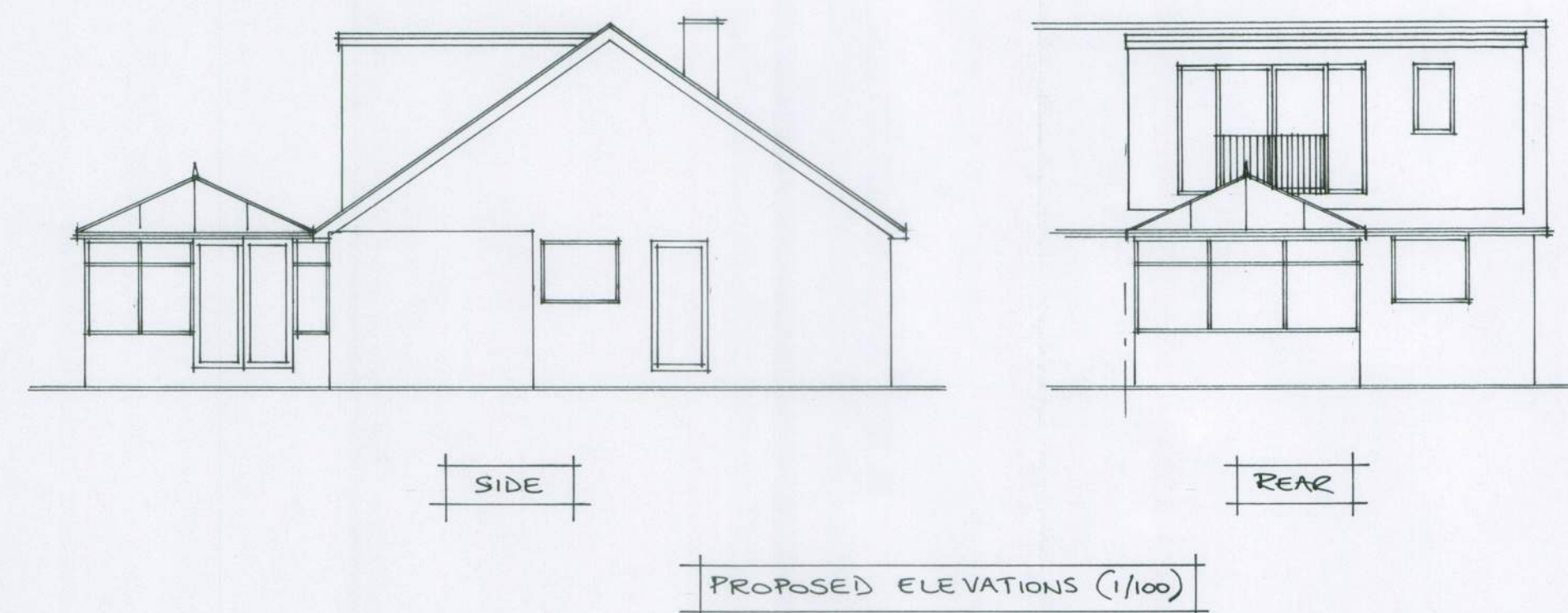
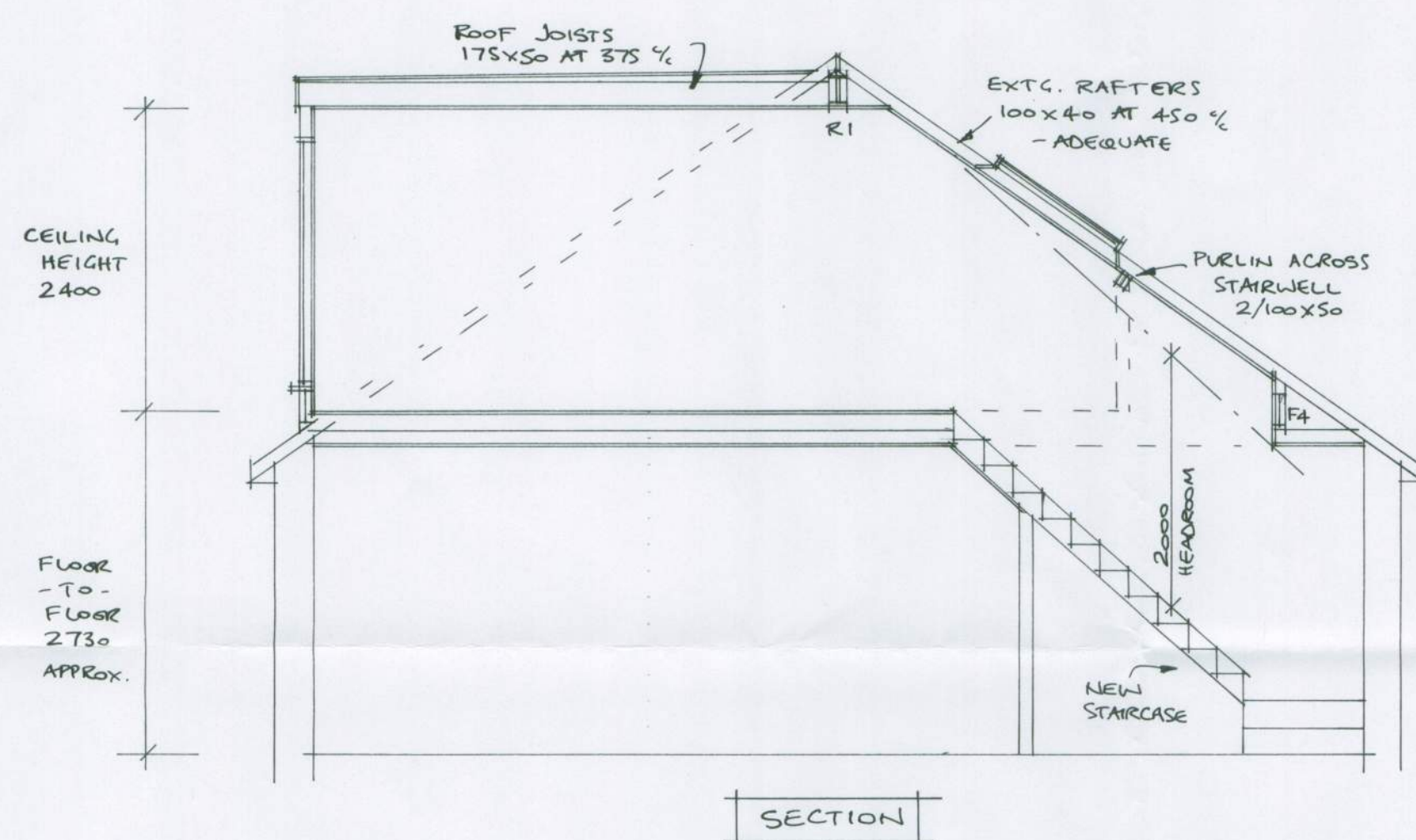
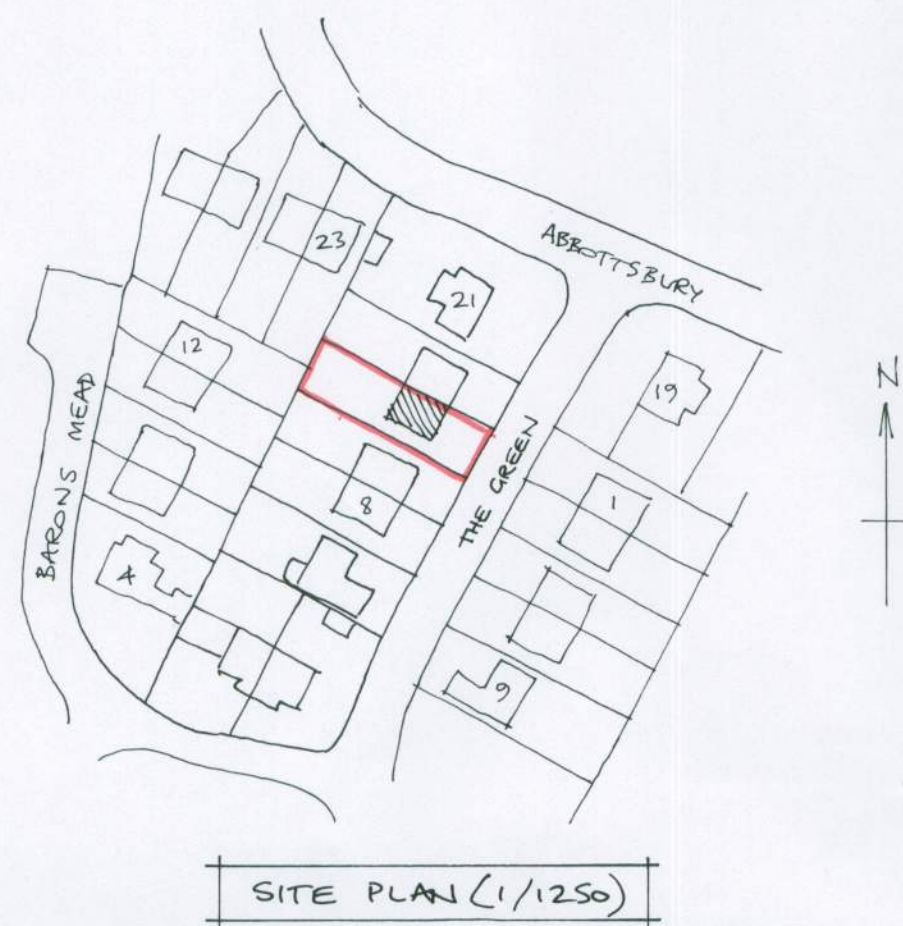




SPECIFICATIONS			
GENERAL			
ALL DIMENSIONS IN MILLIMETRES.			
Ventilation: Provide equivalent to 5mm continuous ventilation strip at ridge. Ensure/provide 25 ventilation strip (or equivalent) to existing eaves. Provide trickle ventilator to give 8000mm ² background ventilation to loft room(s).			
Conservation of fuel and power: Glazing to have U value 1.6 W / m ² K. Install one energy - efficient light fitting per 25 m ² floor area. New radiator(s) to be fitted with TRVs.			
Electrical Work: All electrical work required to meet the requirements of Part P (Electrical Safety) must be designed, installed, inspected and tested by a person competent to do so. Prior to completion the Council must be satisfied that an appropriate electrical installation certificate has been issued for the work, and it has been signed by a person competent to do so.			
STAIRCASE			
Rise = 210 Going = 233 No. equal Risers = 13 Internal clear width = 900			
Maximum pitch 42 degrees. Floor/pitch line to top of handrail 900. Spindles at 100 centres.			
CEILINGS / SKEELINGS			
Existing rafters to achieve 50 ventilation gap behind 50 Celotex insulation between rafters; 50 Celotex insulation across rafters with plasterboard + 5 plaster skim.			
WALLS			
100 x 50 studwork at 400 centres with plasterboard + 5 plaster skim. Internal walls to have 25 Rockwool infill as sound insulation. Perimeter walls with 90 Celotex insulation.			
DORMER ROOF - FLAT			
Bitumen bedded limestone chippings on three layers bitumen roofing felt to BS 747 (or alternative suitable flat-roofing system), on 18 exterior plywood decking on intermittent firing pieces (at 1 : 40) on 175 x 50 flat roof joists at 375 centres, infilled with 140 Celotex insulation, and plasterboard + 5 plaster skim internally. Provide 25 ventilation gap around perimeter of flat roof. 112 half-round gutter to perimeter of roof; discharge onto existing roof via 68 dia downpipe.			
DORMER WALLS			
Vertical tile hanging on treated battens on breather paper on 12 ply bracing on 100 x 50 framing at 400 centres, infilled with 90 Celotex insulation, and plasterboard + 5 plaster skim internally. 100 x 100 corner and reveal posts. Cheeks within 1000 of boundary to have 9 Supalux over ply to achieve half-hour fire resistance from both sides. Cheeks built off existing masonry to have GMS straps at 900 centres. Dormer fully weathered in Code 4 lead flashing.			
NEW FLOOR			
Main beams & joists on load bearing walls supporting new and existing structure. Lay 100 Rockwool between new floor joists for sound insulation and fire resistance. Existing ceiling joists strapped up to new floor beams where binders removed. New flooring to be 18 tongued and grooved moisture-resistant flooring grade chipboard.			
MULTI-FOIL ALTERNATIVE INSULATION SPECIFICATION			
Tri-iso Super 10 (25mm thick uncompressed) applied to all areas, stapled to inside of rafters/joists/studs, 75mm overlaps with aluminium tape to seal. 25 x 50 cross battens over insulation at 400 centres, then plasterboard + skim finish.			
⊗ Mains powered interlinked smoke alarms to BS 5446.			
SOIL/DRAINAGE			
400 UPVC waste to bath/shower + basin, 1000 UPVC waste to WC, all connecting into existing SVP with vent pipe extended to terminate 900 above new windows. 75 deep seal traps (anti-vac if necessary). Rodding eyes at bends.			
Mechanical ventilation - fit extractor fan with 15 litres per second flow rate.			

REF	DESCRIPTION	BEAM SIZE	Length inc bearing
F1	Floor beam	2/150x50	
F2	Floor beam	2/225x50	
F3	Floor beam	152x89 UB 16	2900
F4	Floor beam	2/225x50	
F5	Floor beam	2/225x50 + 8mm Flitch plate	
RL1	Raised lintel	2/225x50 + 6mm Flitch plate	
RL2	Raised lintel	2/150x50	
R1	Ridge beam	203x133 UB 30	6350
L1	Lintel	2/150x50	
L2	Lintel	2/100x50	

Julian Adams BEng
Loft Conversion Design
01234 314143

LOFT CONVERSIONS

PROJECT			
Proposed loft conversion for Ms Holzman 4 The Green, Pagham, West Sussex			
SCALE 1/50	DATE 09/03/2013	DRG. NO. HO /01	REVISIONS