

DWG SPECIFICATION

(As Applicable)

CEILING  
12.5mm Plasterboard with 3mm skim to existing rafters or new ceiling joists with 180mm Kingspan TP10 insulation to horizontal ceilings and 80mm Kingspan TP10 insulation board between rafters & 50mm Kingspan TP10 secured below rafters to sloping ceilings all to give inclusive U-value of max. 0.16 & 0.2 resp with class 1 flame spread.

WALLS  
a) TO ROOF SPACE  
12.5mm Plasterboard with 3mm skim on 100mm x 50mm studding with 100mm x 50mm strutting where required with 90mm Kingspan TP10 insulation between studs to give inclusive U-value of max. 0.30 and Class 1 flame spread. Provide 50mm x 25mm retaining battens to rear side.

b) IN ROOMS  
Where Required 12.5mm Plasterboard with 3mm skim on one or both sides as applicable on 100mm x 50mm studding. All walls between rooms and WCs with no door openings to room to receive min 25mm mineral fibre sound quilt to conform to Internal wall type B, diagram 5-2 Part E 2003

FLOORS  
a) NEW FLOOR  
To be full 1/2 hour fire resistant 22mm tongue and grooved chipboard (15 kg/sqm) on min 50mm wide joists at 400mm centres. Floor joists spanning 2.5m to 4.5m to have herringbone strutting at mid span, joists over 4.5m to have herringbone strutting at 1/3 spans of joists adequately supported min 25mm clear of existing ceiling construction via galvanised mild steel hangers with galvanised nails or onto load bearing walls. Main trimmers to be built in or resting on load bearing walls or hung off existing load bearing walls by heavy gauge galvanised mild steel hangers.

CEILING CONSTRUCTION OF:-  
1) 12.5mm Plasterboard with 3mm skim (Table 14C3 BRE Report 1998).  
2) 15mm - 20mm thick good condition plaster on timber laths (condition assessed on site if cracked or unsound remedial replacement may be required) (Table 14C1 BRE Report 1988).  
3) 9.5mm Plasterboard & 3mm skim. With added mineral fibre protection. (BRE 208)

Note:- All ceiling constructions overlaid with 100mm Rockwool RWA45 on chicken wire secured to joists to give adequate sound resistance to conform to floor type C as diagram 5-7 to App Document Part E. Sound & floor covering to extend over whole floor area to eaves level, see LDSA Guidance notes for new Part E 2003.  
NB all electric cables secured to structure above insulation to dissipate heat

b) EXISTING FLOOR  
1) Is full 1/2 hour fire resistant.  
2) Is modified 1/2 hour fire resistant.  
3) Is modified 1/2 hour fire resistant upgraded to full 1/2 hour by overlaying with 6mm dense hardboard to applicable areas.

FIRE REGS  
BEAMS  
Where applicable timber beams to have full 1/2 hour fire resistance (sacrificial timber method). Timber min 40mm from chimneys. Steel beams protected to 1/2 hour fire resistance with 2 layers 12.5mm plasterboard with staggered joints, secured to timber cradles, or be treated with approved intumescent paint to a 1/2 hour standard.

DOORS  
a) All doors marked thus O to be made self closing with suitable device. any glazing contained within doors and fanlights to be replaced with 6mm Georgian safety wired glass to Building Regulations B paragraph 1.25 - 1.26 and approved document part N.  
b) All doors marked thus M to be made full 1/2 hour fire resistant self closing FD20 with 25mm min rebates.

STAIRCASE  
a) Traditional max. pitch 42 rise, 200mm, going 228mm. Winders to have nosing of treads making a uniform angle on plan and going to be nowhere less than 50mm. Min 2000mm Headroom throughout.  
Balustrade to staircase to be 900mm high vertically above pitch line. Balustrade to stairs to be 900mm high above floor level.  
No spaces in risers or balustrade to allow passage of 100mm dia sphere.

DORMER  
FLAT ROOF  
3 Layers Bitumen Roofing Felt FAA rated on 18mm exterior quality plywood on 50mm wide sw joists at 400cts, set to fall 1 in 40 with 100mm Kingspan TP10 and 35mm under ceiling insulation and 12.5mm plasterboard and skim to give inclusive U-value of 0.20 and class 1 flame spread.

CHEEKS & FRONT PANEL  
Vertical tile hanging on sw battens on felt on 9.5mm plywoods sheathing on 100 x 50mm sw framing, checks within 1000mm of boundary to be lined externally with 12mm Supalux to give 1 hour fire resistance, 90mm Kingspan TP10 insulation and 12.5mm plasterboard and skim to give inclusive U-value of 0.30 max and Class 1 flame spread.

GENERAL NOTES  
The whole of the work is to be in accordance with the Building Regulations 2000 (with amendments).  
All external stud walls to receive vapour control layer of 1200 gauge visqueen sheeting provided between plasterboard and insulation.  
All multiple trimmers to be bolted together at 600mm cts with 16mm dia. bolts and 50mm timber connectors. Provide double joists below all new partitions.  
All walls shown shaded are load bearing to be confirmed on site for Local Authority inspector.  
Soffit vents to eaves on opposite sides & to dormer front to provide cross flow ventilation to roof void equal to 25mm continuous (or similar).  
Ridge vents to be provided giving cross flow ventilation to roof void equal to 5mm continuous (or similar).

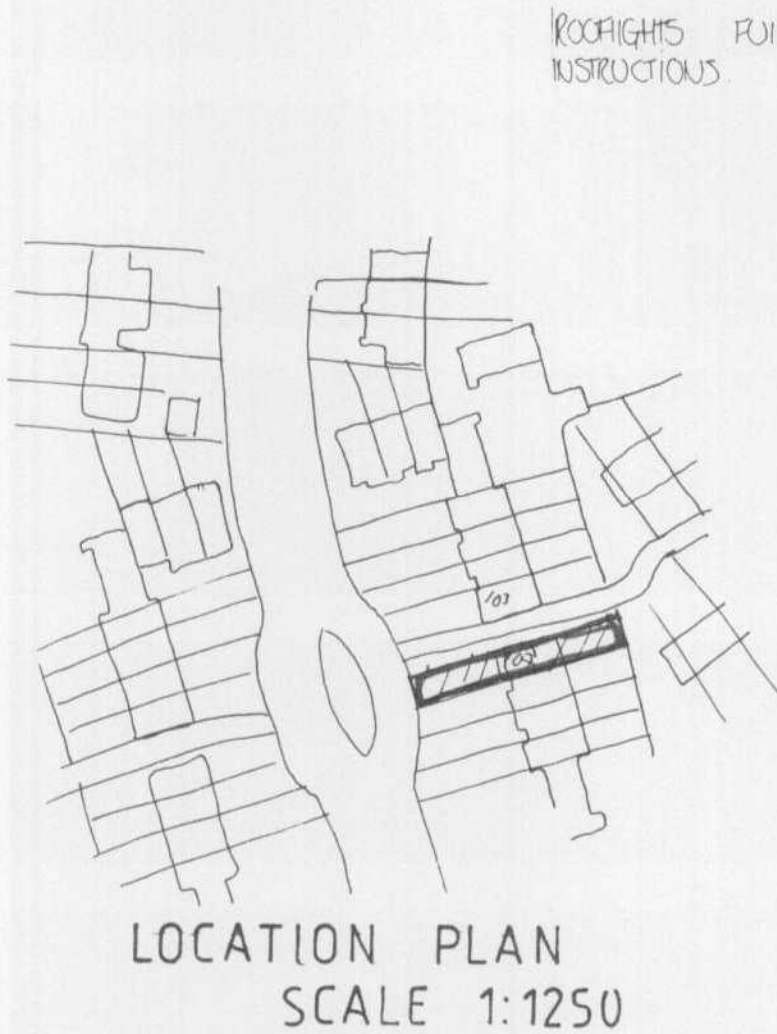
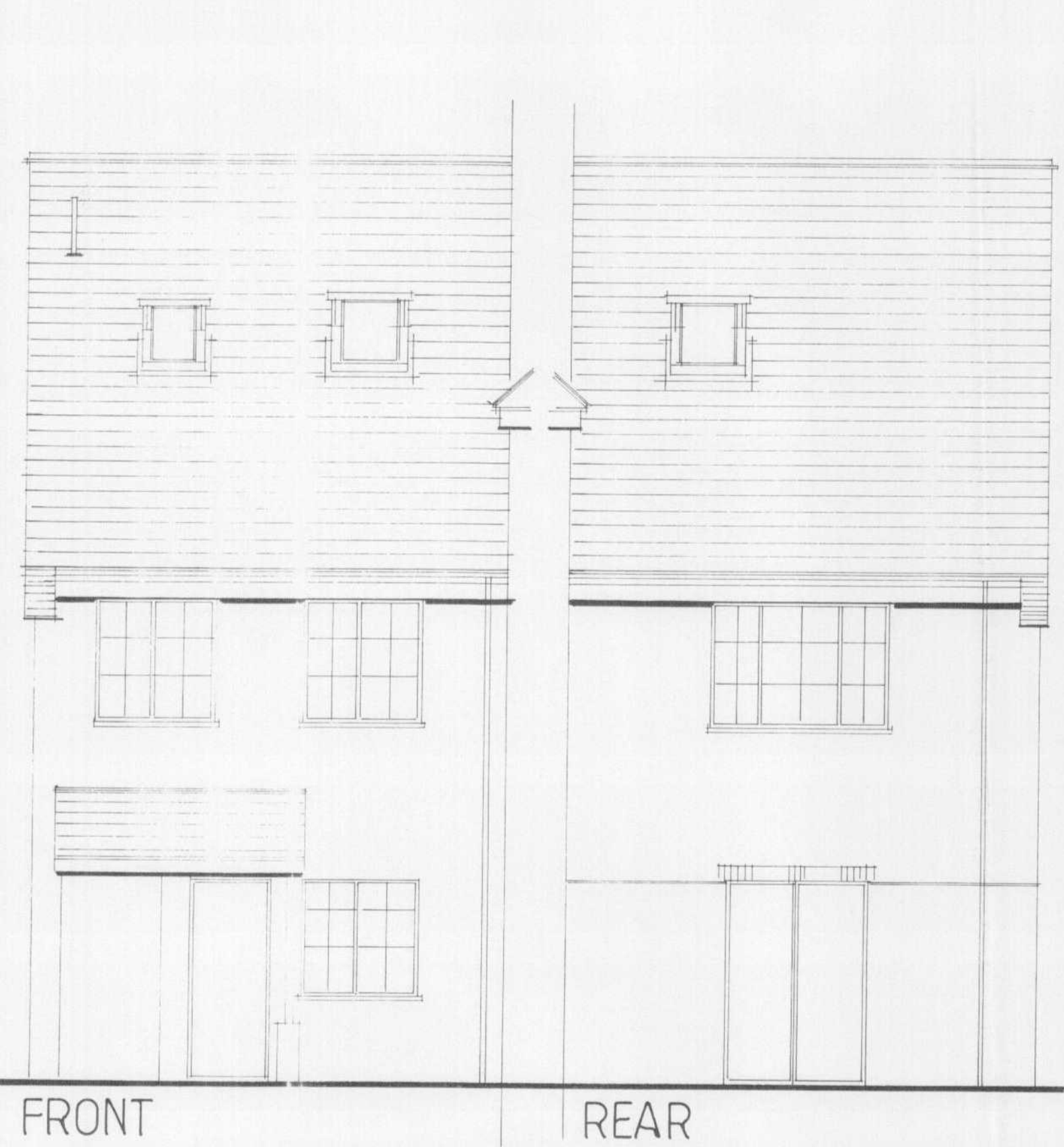
All Glazing to meet min U-Value 1.8, 16mm glazing with soft low-E coating. Windows to give 1/20th floor area openings 8000sqmm background vent to bedrooms 4000sqmm to bathrooms. Min openings of 0.23sqm as MIOE with min dimension being 450mm in any direction to all habitable rooms.  
Building to be constructed following "Robust Construction Details".  
Internal lighting to new areas to be energy efficient, to receive lamps that have a luminous efficiency greater than 40 lumens per circuit-watt.  
Any new radiators to be installed with thermostatic valves.  
All construction dimensions to be taken from site and not to be scaled from plans

All new electrical wiring or electrical components in connection with dwellings must be designed, installed and tested in accordance with Part P of the Building Regs by a person competent to do so. Prior to completion an appropriate certificate to BS 7671 is to be issued for the works by an electrician or competent person registered with a Government authorised approved body to the local authority.

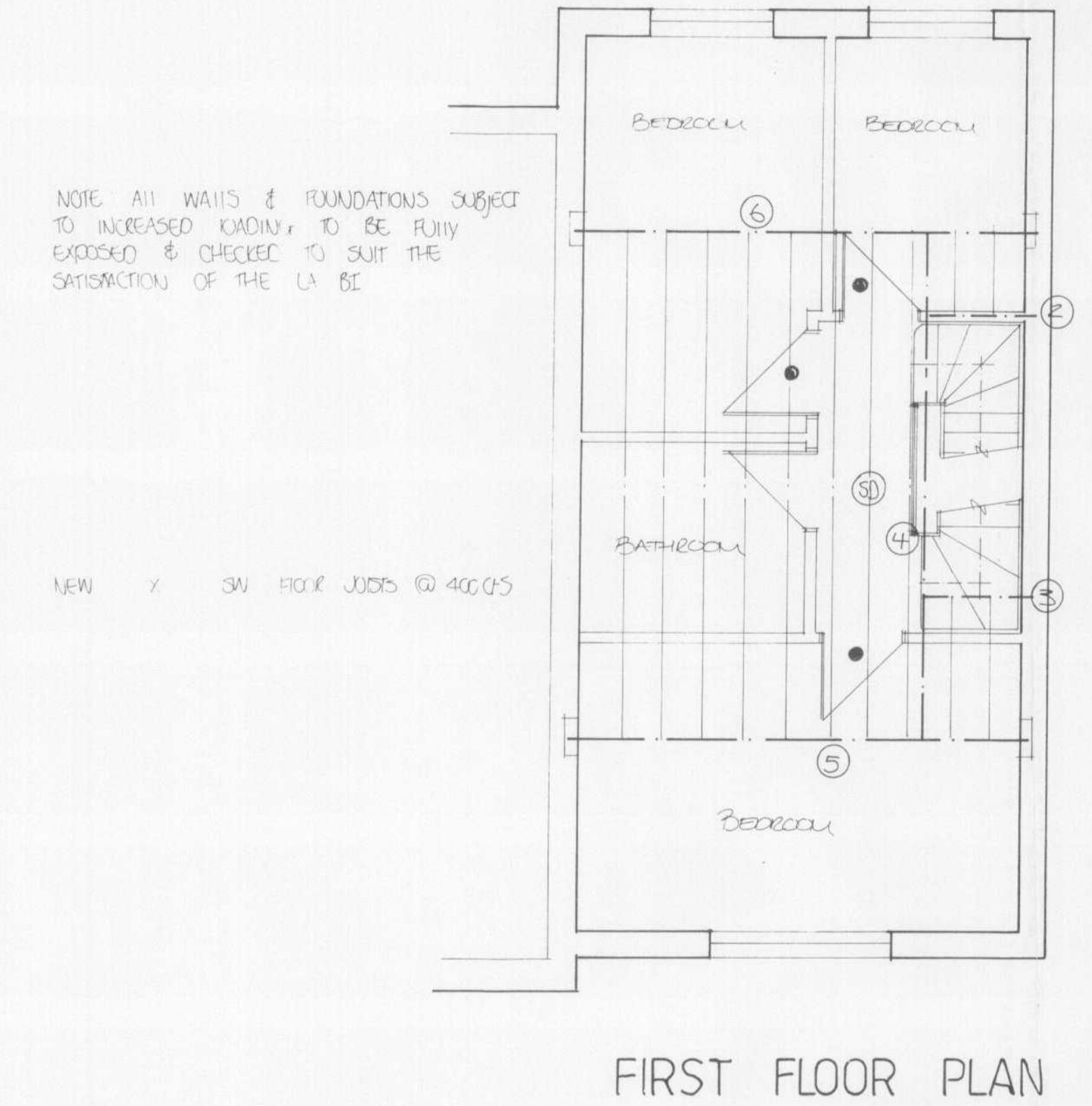
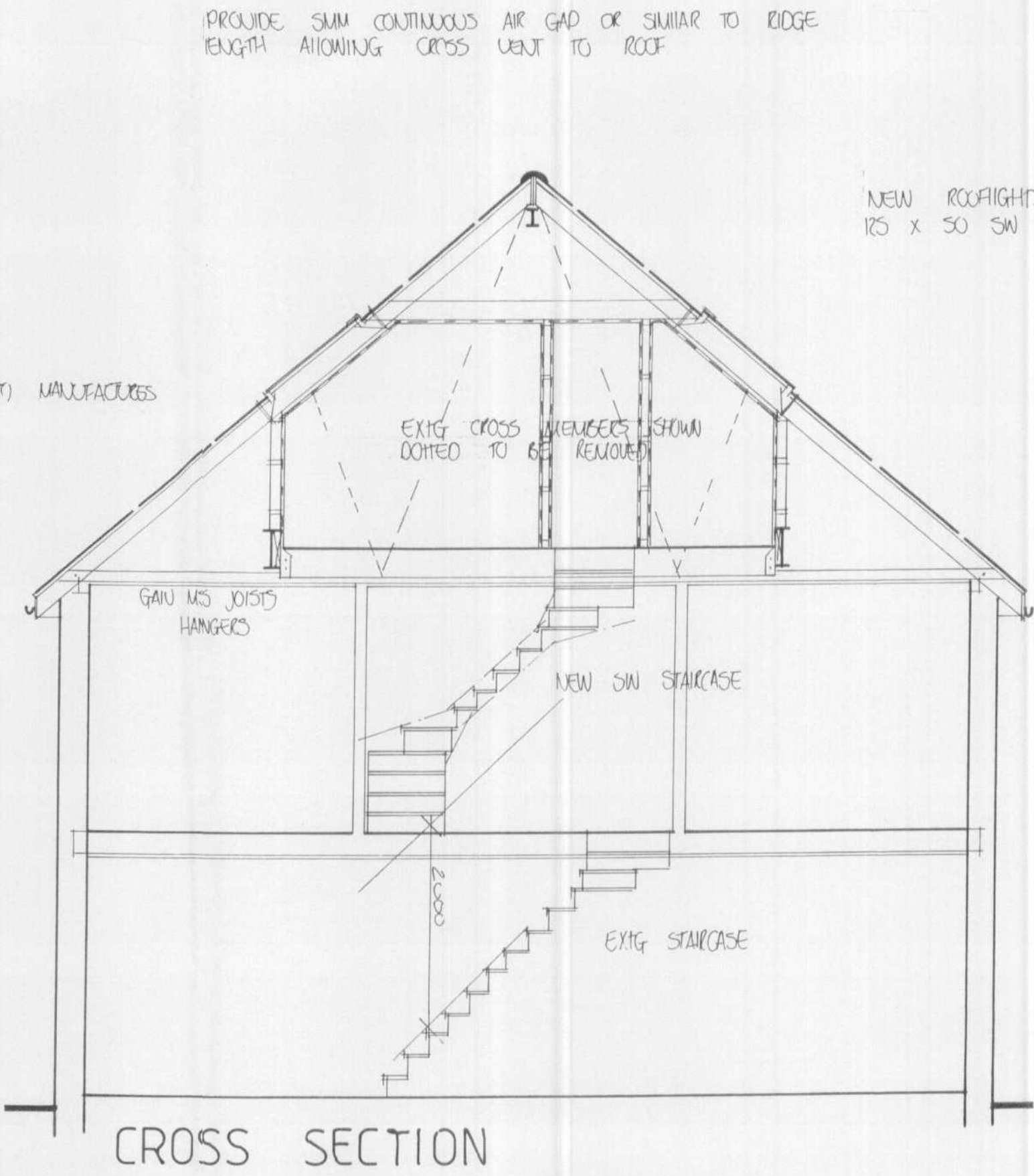
SD Indicates position of mains operated interconnected smoke alarms to BS 5446: Part 1: 1990 to circulation areas at all levels, as required by Approved Document Part B.

AMENDMENTS		DATE
LOCAL AUTH:		
FLASHING TYPE:		TILES:
		CALCS ADDED:
PROPOSED LOFT CONVERSION AT:-		
107 CAMPION RD		
HATFIELD		
HERTS		
MR MRS MUKUDEM		
CONTRACT No. 59091		
SCALE	DATE	DWG. NO.
1:50 1:100	4:04:07	7942

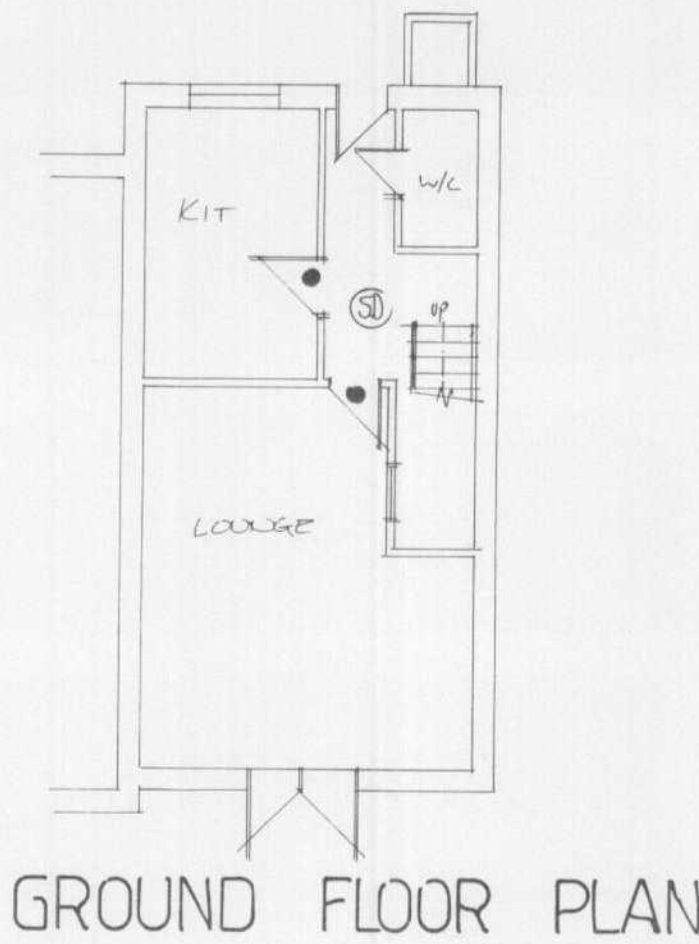
Elite Econoloft Ltd.  
The Loft Conversion Authority



- 1) 203 X 133 X 30 UB 300 X 100 X 20 MSBP
- 2) 150 X 50 CB
- 3) 150 X 50 CB
- 4) 200 225 X 50 CB + 200 X 6 FINCH PLATE
- 5) 254 X 146 X 37 UB 400 X 100 X 20 MSBP
- 6) 254 X 146 X 37 UB 400 X 100 X 20 MSBP

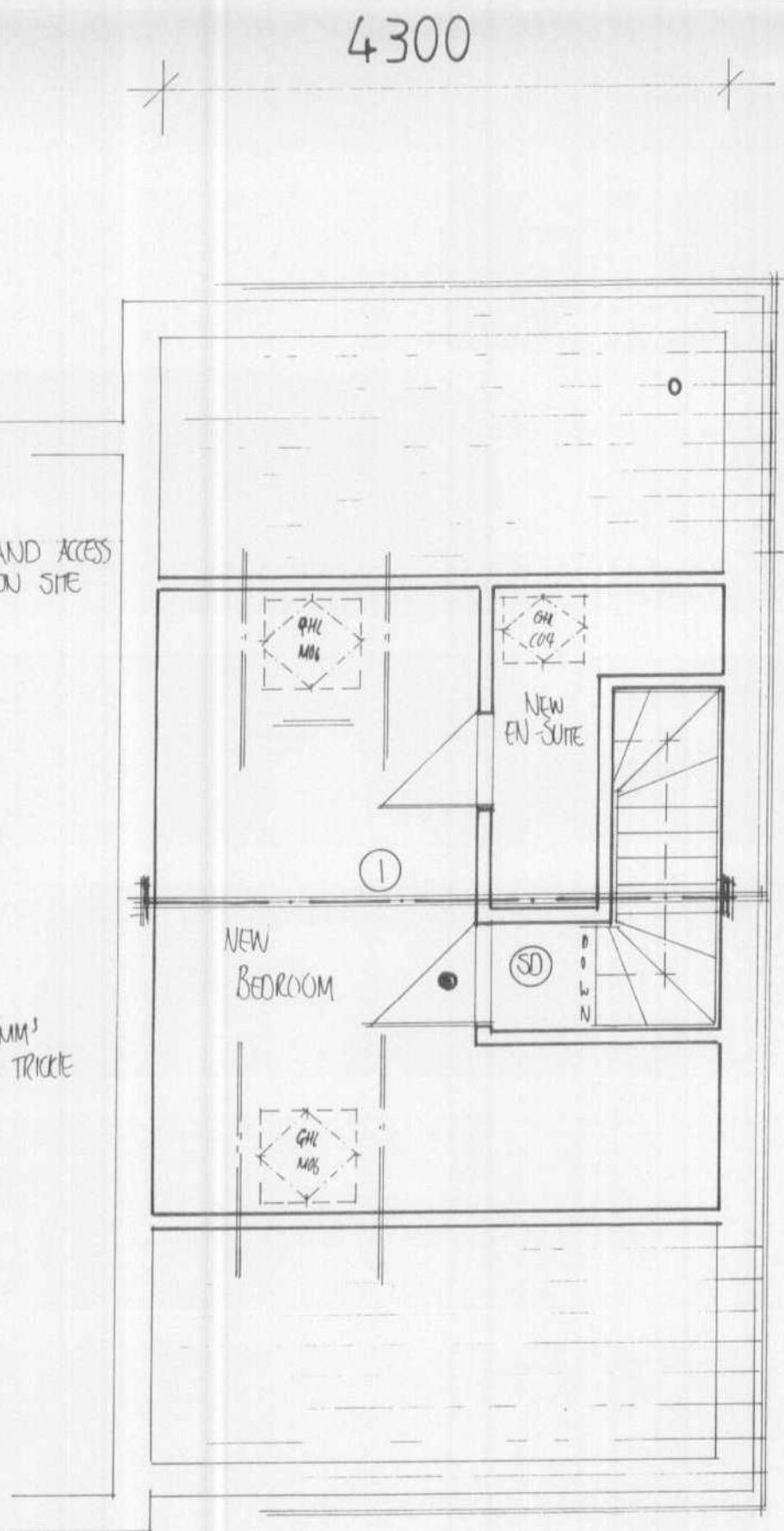


EXTG CUPS SHOWN DOTTED TO BE REMOVED TO ALLOW INST OF NEW SW STAIRCASE IN EQUAL RISERS IN 160 WIDTH SET TO ACHIEVE MIN 2M HEADROOM



POSITION OF ALL ELECTRICS AND ACCESS PANELS TO BE DETERMINED ON SITE

NEW ROOM TO HAVE 'ROOM' BACKGROUND VENTILATION VIA TRIPLE VENTS



NEW BATHROOM DRESSING ETC, 100MM Ø UPVC WASTE TO W/C, 50MM Ø UPVC WASTE TO SHOWER & BASIN, ALL WITH 75MM DEEP SEAL TRAPS, ALL WASTE CONNECT INTO EXTG SUB VIA SANI PUMP (IF REQ) BATHROOM AREA TO HAVE MECH VENT WIRED TO LIGHT SWITCH PROVIDING 15/SEC EXTRACTION.

NEW ROOFLIGHTS INSTALLED USING 2/125 X 50 SW RAFTERS TO ALL SIDES