

**SPECIFICATION**

**DORMER ROOF CONSTRUCTION (U=0.18W/m K)**  
 12.5mm chippings on 3 layers bituminous felt on 18mm plywood on 50 x 50 s.w. battens across firings (1 in 40) on 150 x 50 s.w. joists @ 400mm c/s. 25mm Celotex insulation between and 30mm Actis Tri-iso super 10 insulation/vapour barrier across underside of joists. Fixed with 38x25mm counter battens @ 600 c/s with 12.5mm duplex plasterboard & 5mm plaster skim ceiling.

**DORMER CHEEK CONSTRUCTION (U=0.28W/m K)**  
 (Half hour fire resistant from both sides). Vertical tile/slate hanging to match existing on s.w. battens on building paper on 12.5mm plywood bracing (9mm masterboard within 1m of boundary) on 100x50mm studs @ 400mm c/s (cross braced). 25mm Celotex insulation between and 30mm Actis Tri-iso super 10 insulation/vapour barrier across inside of studs fixed with 38x25mm counter battens @ 600 c/s with 12.5mm duplex plasterboard & 5mm skim ceiling.

**STAIRCASE** 700 (2'3") wide.  
 Rise=200mm, Going=225mm, Tread=250mm, Pitch=42. 2m clear Headroom. 900mm handrail, 900mm balustrade housed into newells or returned to adjacent wall. (100mm max gaps to risers & handrails) Artificial lighting with 2 way switch top and bottom. Any tapered Treads to comply with Part K. 50mm min going.

**HALF HOUR PARTITION AROUND NEW STAIRCASE**  
 75x50mm studding with 12.5mm duplex plasterboard & 5mm skim to both sides to give full half hour fire resistance.

**FIRE REGULATIONS**  
 All doors on ground and first floor of staircase enclosure to be 1/2-hour fire resistant (FD30G).  
 Timber beams to have half hour fire resistance to BS5268 part 4 section 41 1078 (Sacrificial design method)

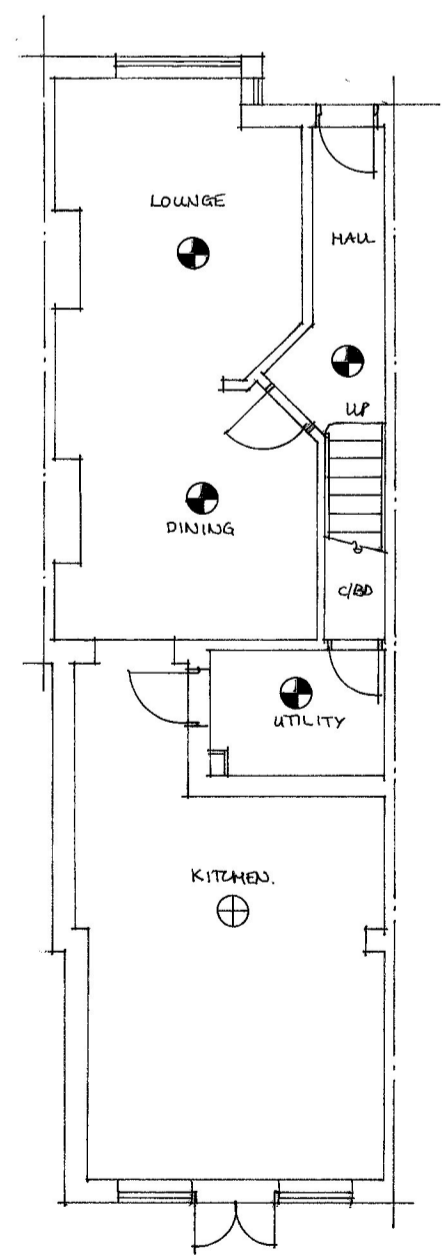
**WINDOWS & ESCAPE WINDOWS**  
 Escape window to be 750x450mm min clear opening (min 0.33m opening area) max 1.1m above floor level. All new windows and Rooflights to be double glazed with min 16mm gap, low E glass & N=0.15 for windows, E=0.05 for rooflights.

**STRUCTURAL**  
 Multiple timber trimmers to be bolted together @ 600mm c/s using M12 bolts and 64mm dia tooth plate connectors.

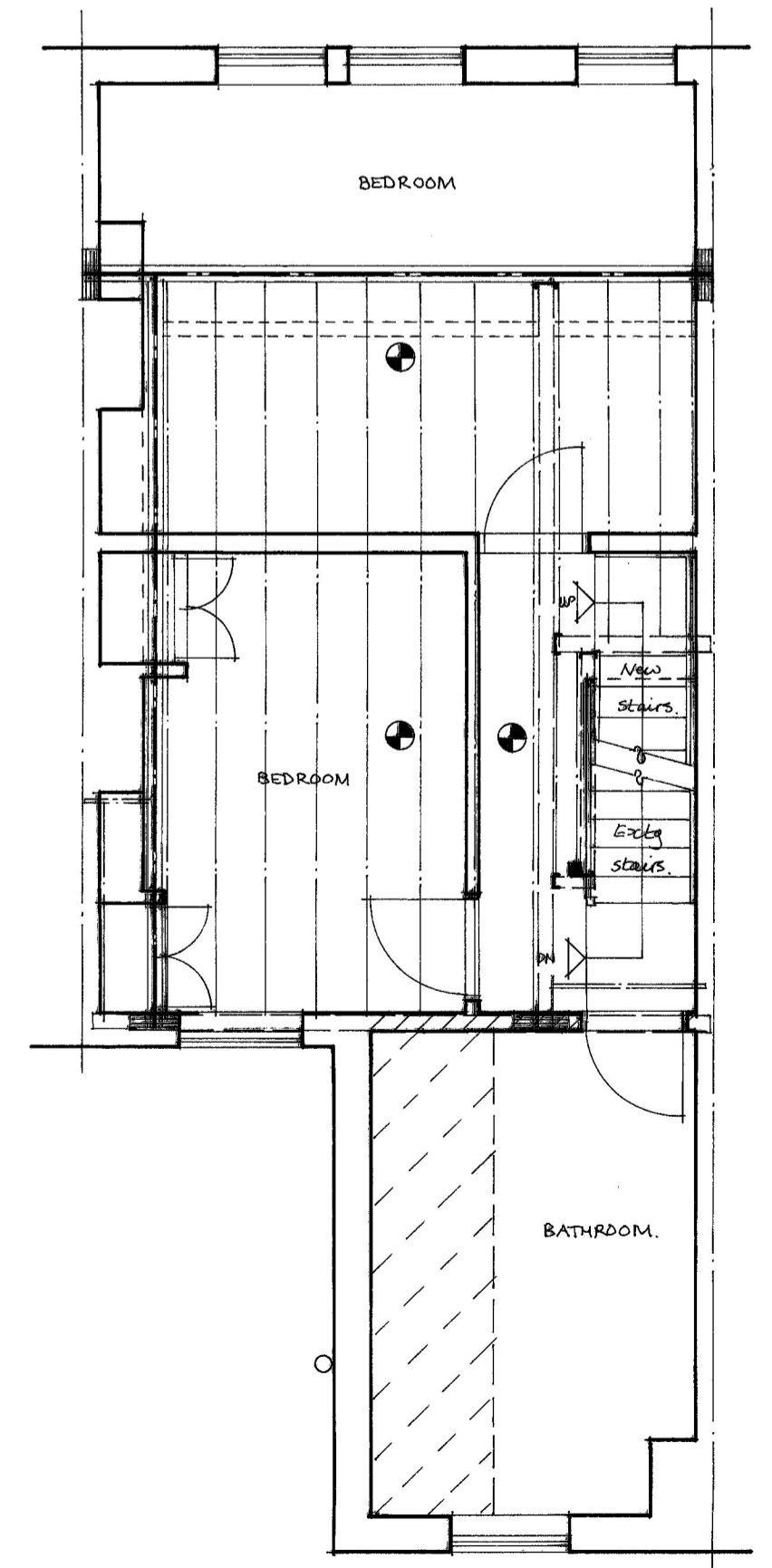
**SMOKE DETECTORS**  
 ☉ Denotes heat detector. ☉ Denotes mains wired interconnected smoke detectors with battery back up to BS5839:6:2004.

**LIGHTING AND HEATING**  
 Three in four lights to be energy efficient type. Extend existing Heating system to new rooms with zone and boiler interlock controls (Thermostatic Valves).

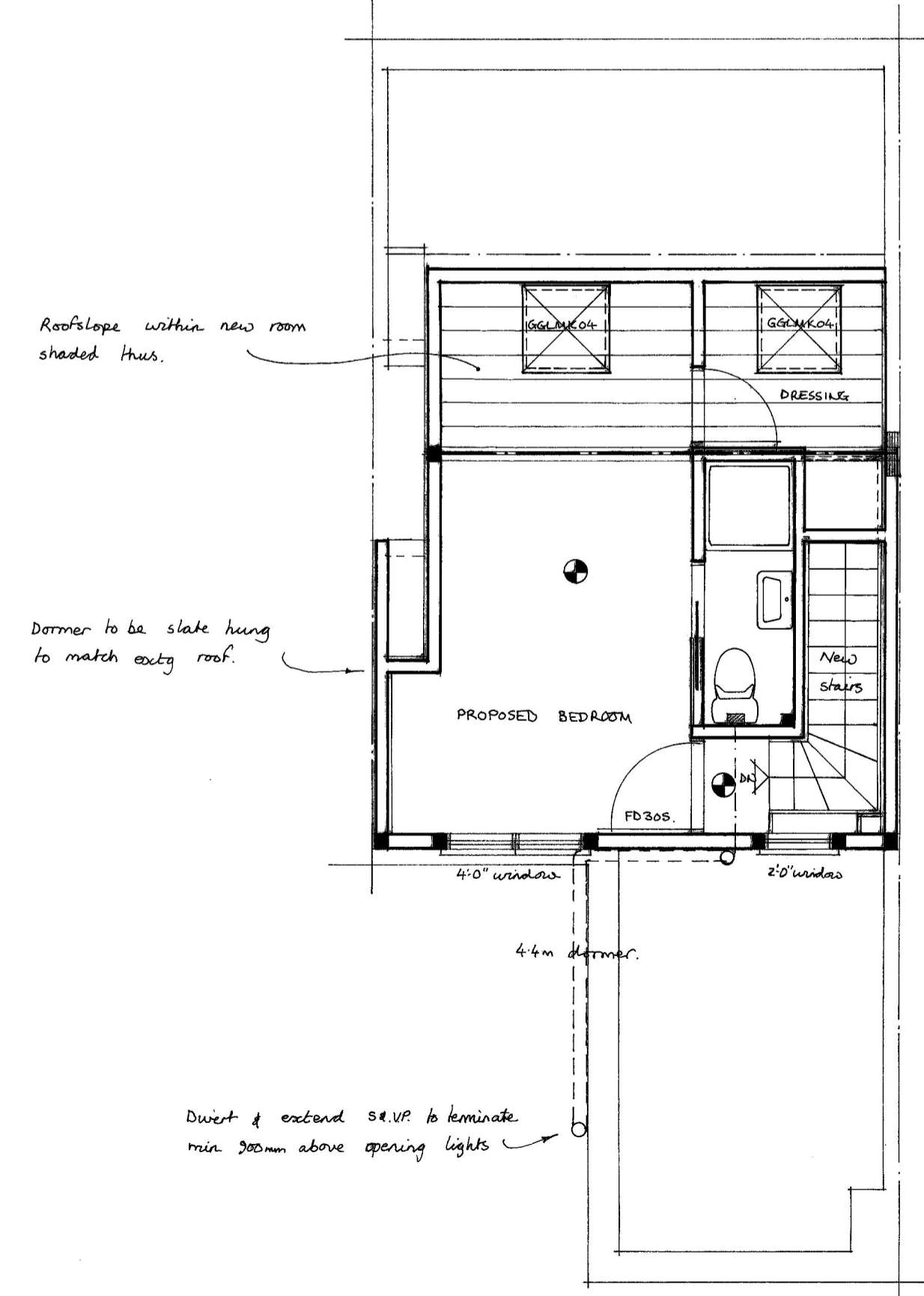
**ELECTRICAL**  
 All new electrical work to be in accordance with Part P "Competent Person Scheme" to BS7671. Certification to be provided upon completion.



GROUND FLOOR PLAN



FIRST FLOOR PLAN



ROOF PLAN

1:50 SCALE 0m 1m 2m 3m 4m 5m 6m

1:100 SCALE 0m 1m 2m 3m 4m 5m 6m

COUNCIL

DATE JAN 2021

SCALE 1:50 & 1:100

CONTRACT No

DRAWN BY

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