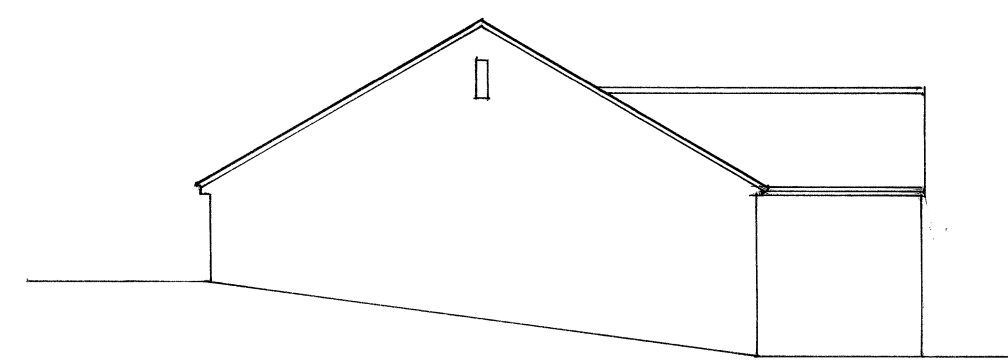
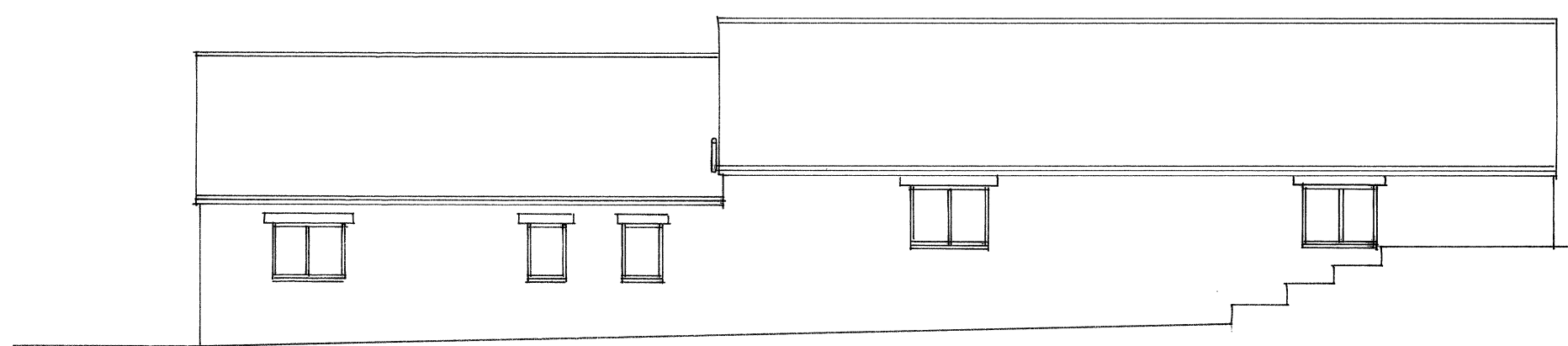


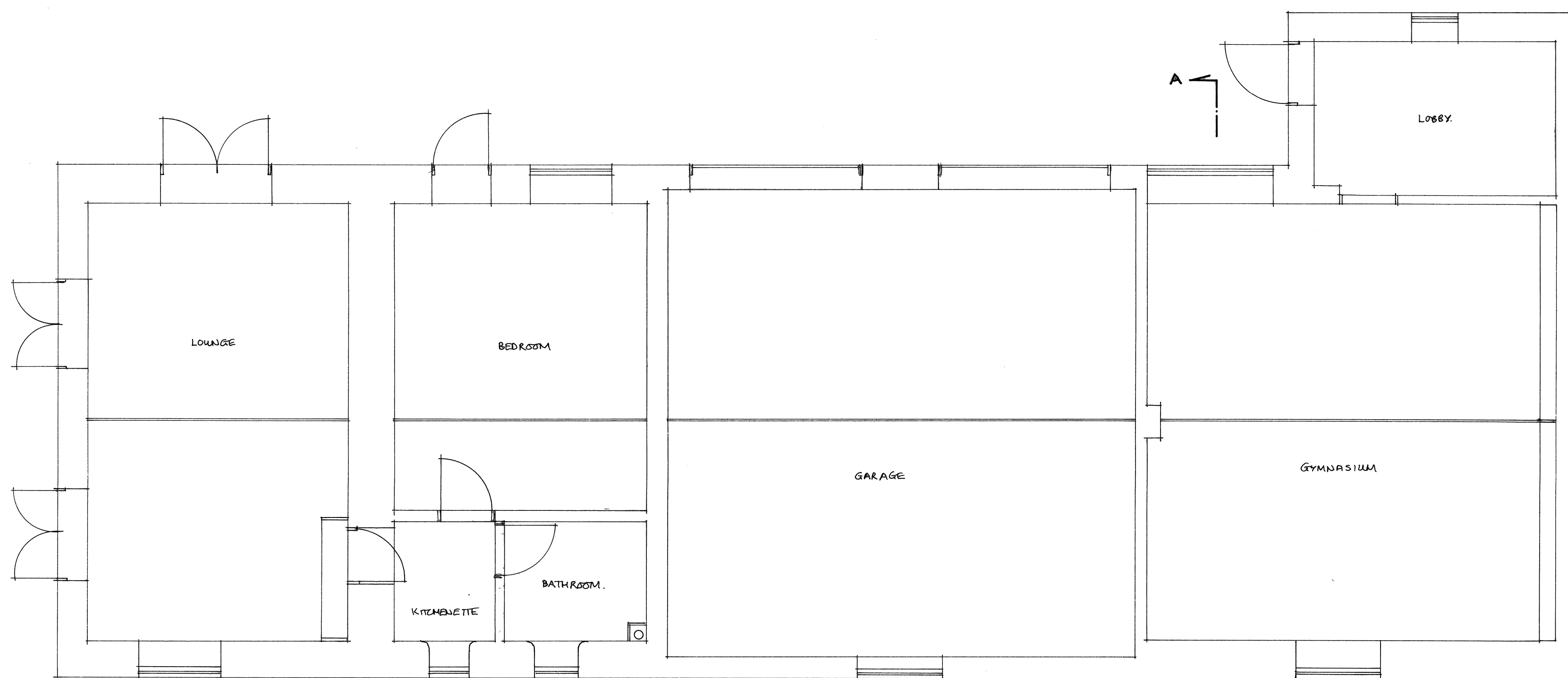
SECTION A-A



SIDE ELEVATION



REAR ELEVATION



GROUND FLOOR PLAN

**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 s.w. joists @ 400mm c/s. 50mm Celotex insulation between and 30mm TLX Multifoil 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). 50mm Celotex insulation between and 30mm TLX Multifoil insulation and vapour barrier across inside of studs fixed with 38x25mm counter battens @ 600 c/s with 12.5mm duplex plasterboard & 5mm plaster skim ceiling.

**STAIRCASE**  
 Rise=200mm, Going=225mm, Tread=250mm, Flight=2, 2m clear Headroom. 900mm handrail, 900mm balustrade housed into newells or returned to adjacent wall. (100mm max gap of risers & handrails) Artificial lighting with 2 way switch top and bottom. Any tapered Treads to comply with Part K. 50mm min nosing.

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

**FIRE REGULATIONS**  
 All doors at ground and first floor to be 1/2 hour fire resistant (FD30S). 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 700x500mm 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 and 0.05 for rooflights.

**STRUCTURAL**  
 Multiple timber joists to be bolted together @ 600mm c/s using M12 bolts and 4mm dia tooth plate connectors.

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

**LIGHTING AND HEATING**  
 Three in row 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.

**PROJECT**  
 Forming vaulted ceiling with 2NP rear facing velux rooflights to existing gymnasium.

**CLIENT**  
 Mr & Mrs. Bates,  
 "Waterloo Barn",  
 Laughton Hill,  
 Stonefield,  
 OX29 8DY.

**EXISTING PLANS.**

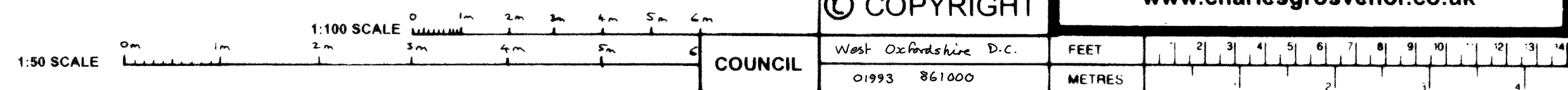
SCALE 1:50 & 1:100 DATE SEPT 2021

DRAWN BY *MJC/ADG* CONTRACT No.

THE ACCURACY OF THIS DRAWING FOR FINISHED SIZES IS NOT GUARANTEED AS IT IS SUBJECT TO ON SITE LEVELS. THEREFORE IT DOES NOT FORM PART OF YOUR CONTRACT

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COUNCIL West Oxfordshire D.C. FEET 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 METRES 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14