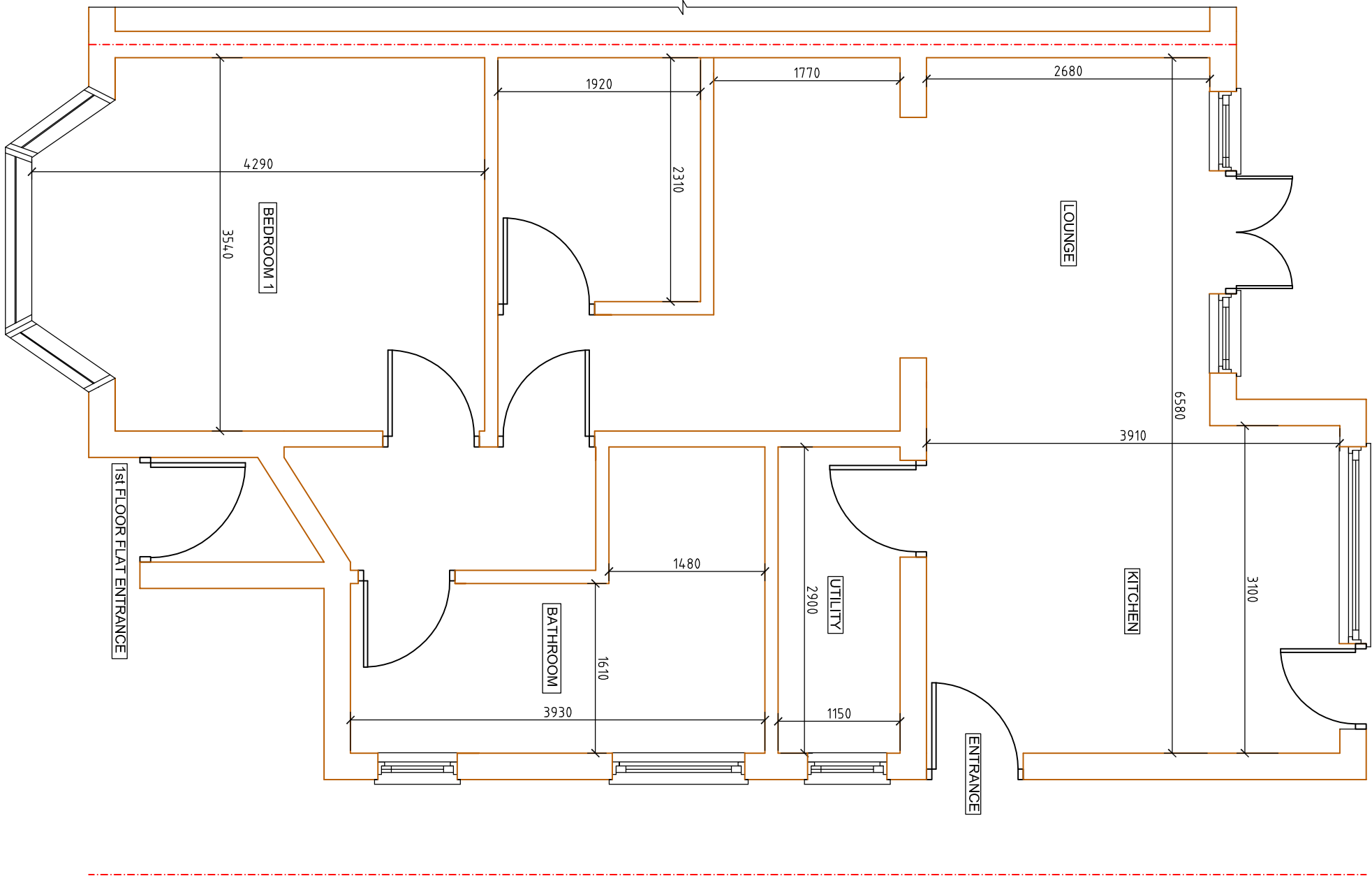


PART L1B: CONSERVATION OF FUEL AND POWER.

- 1) WALLS TO ACHIEVE: 0.28W/m2K
2) FLOORS TO ACHIEVE: 0.22W/m2K
3) PITCHED ROOF INSULATION @ CEILING LEVEL TO ACHIEVE: 0.18W/m2K
4) PITCHED ROOF INSULATION @ RAFTER LEVEL TO ACHIEVE: 0.18W/m2K
5) FLAT ROOF TO ACHIEVE: 0.18W/m2K
6) DOORS TO ACHIEVE: 1.8W/m2K
7) WINDOWS & ROOF LIGHTS: 1.8W/m2K.



EXISTING GROUND FLOOR
SCALE BAR 1:50 @ A1

Complete installation to be subject to and capable of withstanding testing in accordance with BS 5572:1978. Above ground level foul drainage pipe work shall be PVC-U to BS 4514

Pipework must be designed in accordance with BS 5572 and installed to ensure that appliances drain efficiently without causing crossflow, backfall, leakage or blockage. No air from the drainage system shall be permitted to enter the building. Adequate support to lengths and at junctions - changes of direction to be provided. No branch connection to be within 450mm above foot of soil pipe. All PVC-U pipework to be installed to BS 4514.

Minimum pipe sizes for sanitary plumbing to be:

- WC's soil pipes - 100mm dia Nominal size.
Handbasins - 32mm dia Nominal size.
Showers - 32mm dia Nominal size.
Overflow - 19mm dia Nominal size.
Kitchen sink - 32mm dia Nominal size.

All fittings to have a 75mm deep seal traps. All waste pipes to be laid to falls 25mm per metre run. All sanitary fittings to be installed as per manufacturers instructions.

The maximum lengths of waste pipes shall be as follows.

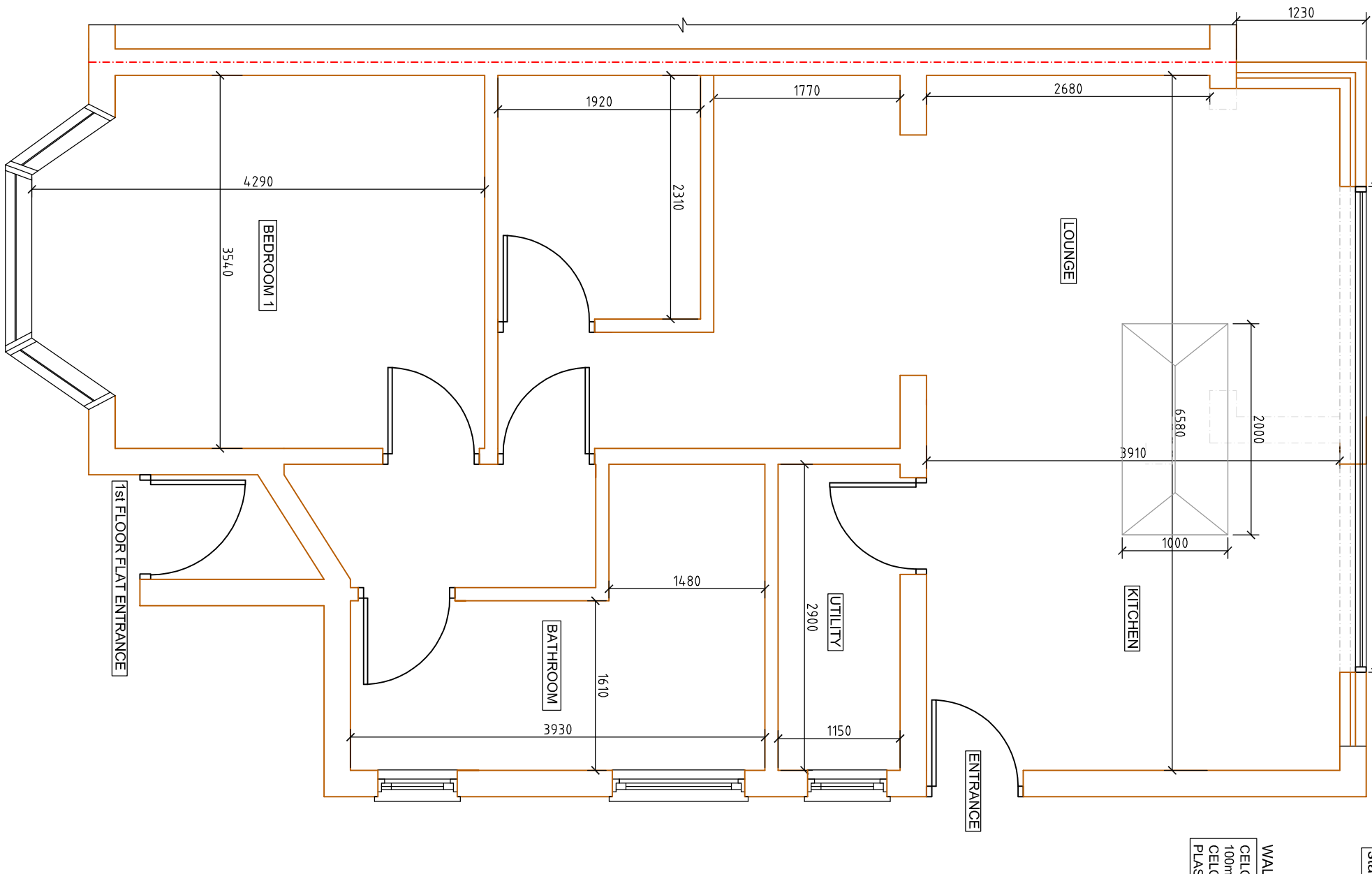
- 32mm pipe - 1.7m Maximum length.
40mm pipe - 3.0m Maximum length.
50mm pipe - 4.0m Maximum length.
100mm pipe - 6.0m Maximum length.
Soil and ventilating stacks @ head of drainage run to be ventilated to the external air via rigid ducting.
(Min 800mm above any operable window head or within 3m horizontally).

Soil pipes passing through habitable rooms (including kitchens) to be lagged with minimum 50mm sound deadening quilt and 2 layers of 12.5mm plasterboard in 38mm x 38mm softwood framing. Access and rodding eye fittings to be provided to ensure all pipework is accessible as required. Pipework laid between joists to be adequately supported. Underground pipes with less than 750mm ground cover shall be insulated. Any rising mains are to be insulated.

Surface water to be conveyed to existing rainwater drainage system.

Glazing.
All glazing installed within 80mm of the finished floor level & 1500mm if installed in a door to be toughened safety glass & to conform to the safe break characteristics as defined by BS 0220.

DOUBLE GLAZED BR-FOLD DOORS
TO ACHIEVE A U-VALUE OF 1.4W/m2K
WITH INCORPORATED BACKGROUND VENTS



PROPOSED GROUND FLOOR
SCALE BAR 1:50 @ A1

Ventilation

All habitable rooms to have rapid ventilation via windows/doors of an openable area of at least 1/20th of the floor area, part of the ventilation area is to be 1.75m above floor area.

Windows are to provide 4000 sq/m minimum of background ventilation via controlled trickle vents in utility room, en suite and bedroom. All habitable rooms to achieve 8000 sq/m. Alternatively the sum of all trickle vents must equal 6000 sq/m as specified in Table 1 of approved document F1.

Kitchen to be ventilated mechanically ventilated with a wall mounted fan which can achieve extract to external air @ 30 litres per second.

Mechanical vents are to be tested and commissioned in accordance with regulation 42 and part F1 2010.

Electrical installation.

All the electrical installation is to be in full accordance with BS 7671 and with the latest addition of IEE wiring regulations, part 'P' building regs, and should be carried out in accordance with current installation techniques applicable to the material and equipment being used. Full completion certificates to be issued by a certified electrical engineer to be provided upon completion of the electrical installation.

Note that all wiring which is covered or surrounded with thermal insulation to be de-rated in accordance with Appendix A of BRE "Thermal Isulation", avoiding risks 2002 edition.

All downlights in first floor ceiling voids are to be fitted with infumescent covers to maintain half hour fire resistance.

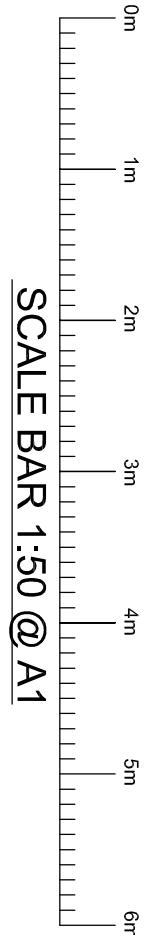
All light switches are to be fitted 1200mm from finished floor level and all switched outlets to be fitted 450mm above finished floor levels.

Openings in rear wall:

2 x 6.98m = 4.64m

5

Therefore openings in rear wall must not exceed 4.64m



Simpson's Stainless steel wall starter system to be used.

Simpson's Stainless steel wall starter system to be used.

WALL CONSTRUCTION
CELCOM BLOCKWORK OUTER SKIN - RENDERED
OVER FULL FILLED INSULATED CAVITY.
OVER 100mm MINIMUM SKIN
PLASTER SKIN FINISH

Walls rendered with a 1:1:6 Cement/line/Sand mix.

External Rendering:
1) Render/plaster PVCu pebbled/rip beads (Ref: BC10) to be applied at or above DPC level and window heads, to provide protection against impact and deflect rainwater. Beading to conform to BS EN 13856-5:2005, be BSA certified, Class IV fire rated, to be fitted as per manufacturers instructions.
2) Render to conform with the British and European standard for the design and application of external render (BS EN 13814-1:2005). Render to be 4-12mm thick. A waterproof/Biocide additive is to be added to the Render mix.
a) To waterproof the render.
b) To act as a safe and effective control against moss, lichen and algae and to prevent outbreak of fungal growth.

Thermal bridging to openings:
1) Window sill: Cavity insulation to run to under side of window board.
2) Window head: Cavity insulation to run to under side of window board.
as per manufacturers instructions. Lintel to be filled with insulation.

REVISION	DESCRIPTION	DATE	BY
A	PLANS REVISED FOLLOWING CLIENTS COMMENTS	24.03.21	BIG

Cotswold Residential Design Ltd

Oxford Office: 1375, Carden Middle Home Park,
Milestone Road
Carden
Oxfordshire,
OX18 9FU
Telephone: 0785726328
Email:cotswoldresidential@yahoo.com

DRAWING TITLE: EXISTING AND PROPOSED FLOOR PLANS

SITE ADDRESS: 114B NORTHWOOD ROAD, HAREFIELD, UB9 6PB

SCALE: 1:50 @ A1

DRAWN BY: BG

DATE: 23.03.21

RAWING NO: NORTHWOOD/01 REVISION A