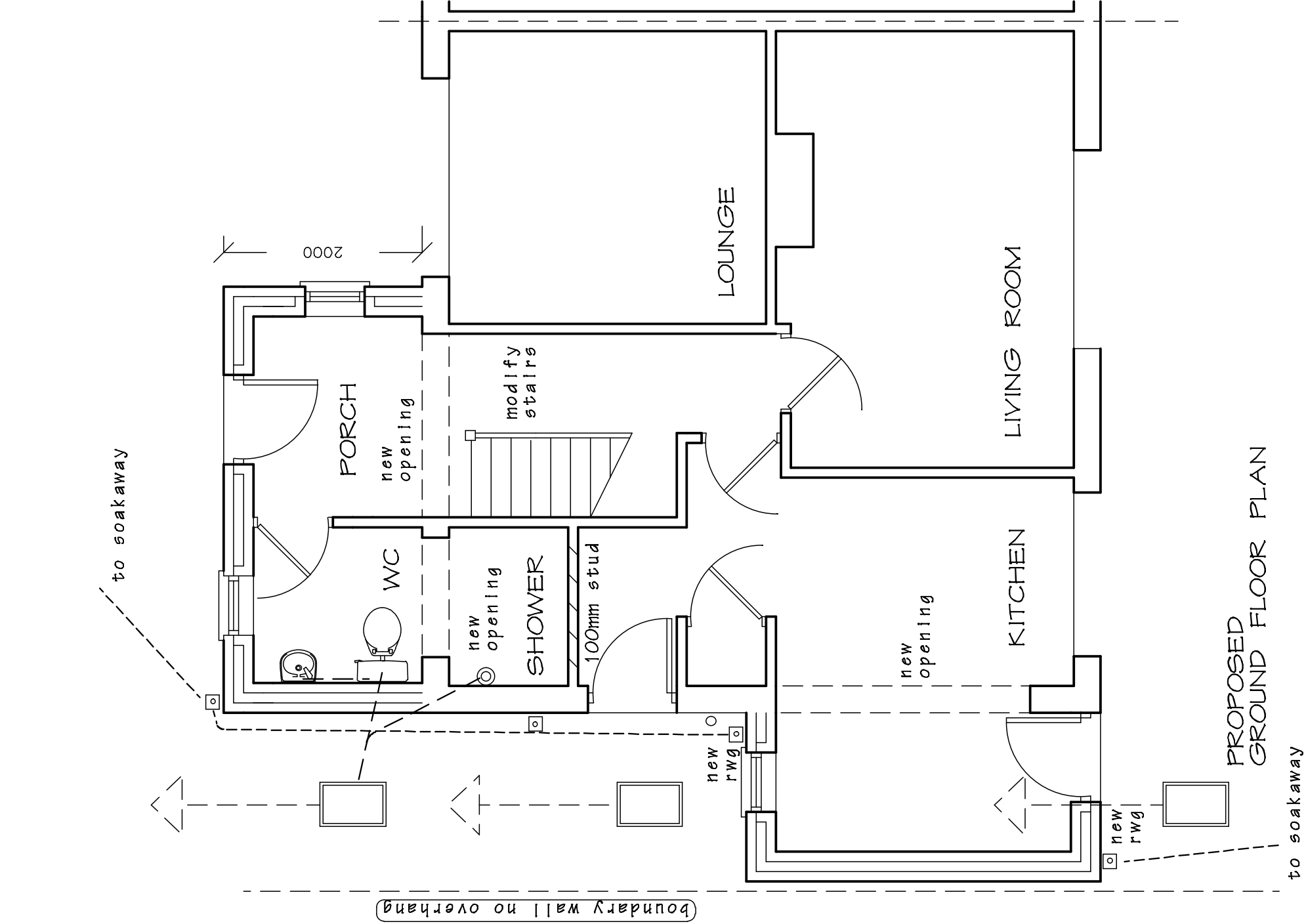




Strip Foundations should generally be 225mm x 600mm concrete foundation, concrete mix to conform to BS EN 206-1 and BS 8500-2. All foundations minimum 750mm deep or 1000mm if shrinkable clay type soil, exact depth to be agreed on site with Building Control Officer. Note. Precautions should be made for nearby trees; drains or poor ground conditions may also be required, depending upon location. Ensure foundations are constructed below invert level of any adjacent drains.

Cavity wall construction (U-value not worse than 0.18 W/m2.k) 100mm blockwork, cavity, partial fill insulation to match finish. 10mm residual cavity kept clean of mortar droppings. 90mm thick rigid insulation (Thermaclass cavity wall 21 or similar) Self-adhesive breathable tape at all joints and wall tie locations. 100 mm dense concrete block (K value 1.13) with 13mm lightweight plaster.

Damp proof course (DPC) should be installed a minimum 150mm above ground level, clear cavity should extend 225mm below lowest DPC. Suitably sized and insulated lintels over opening. DPC to reveals should be insulated. For opening up to 4000mm wide, a minimum return from corner of 780mm, measured externally, is required. For any opening over 4000 mm, this will need increasing.

Concrete Floor To achieve U Value of 0.15W/m2K. Typical floor construction will be 150mm blinded, well compacted hardcore, 1200 gauge damp proof membrane (DPM) linked with wall DPC.

As a rough guide, with two external walls, use 75mm polyurethane. Manufacturer's advice should always be sought and their websites usually have tables that make the selection easier. The insulation can be placed under the concrete or between the concrete and screed.

100mm concrete slab. Floor to be insulated over DPM with 100mm thick Kingspan Kooltherm K103 insulation. 25mm insulation to continue around floor perimeters to avoid floor thermal bridging. 65mm lightly reinforced screed on 500 gauge polythene isolating membrane or wood flooring finish.

Rainwater drainage New rainwater goods to be new 110mm UPVC half-round gutters taken and connected in 65mm dia. UPVC downpipes.

Electrics All new electrical work should comply with the requirements of Part P of the Building Regulations and be carried out by a competent person.

PROPOSED EXTENSION AT 39 NOBEL AVENUE, PORT TALBOT. SA12 6YN. Mr.B.Winters.

DRAWING TITLE		
PROPOSED LAYOUT		
SCALE 1 to 50 @ A3	DATE March 2024.	DRAWING No. 2024/01
DO NOT SCALE DRAWING. FIGURED DIMENSIONS ONLY TO BE USED. DISCREPANCIES TO BE REPORTED IMMEDIATELY.		