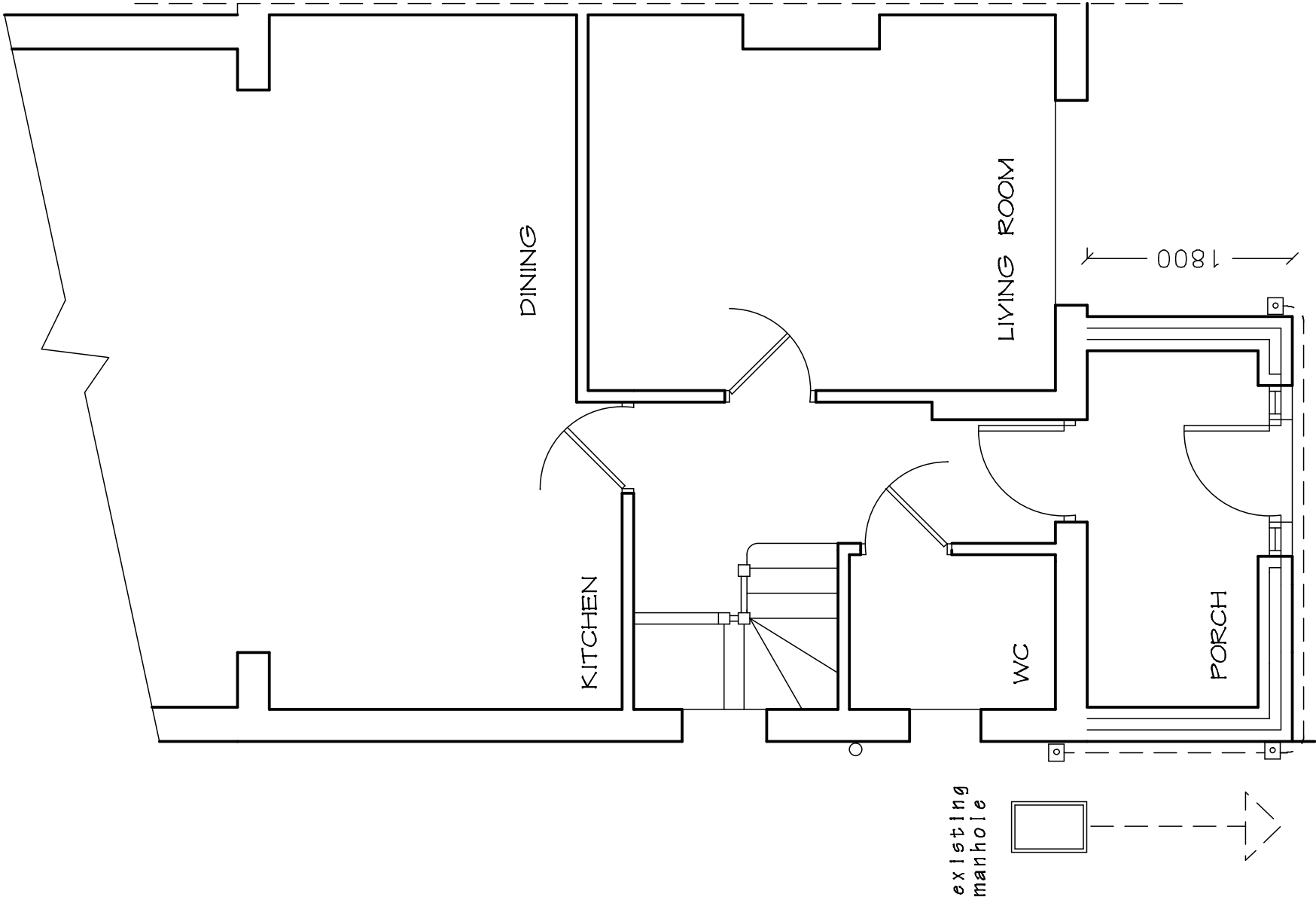




Strip Foundations
Foundations should generally be 225mm x 600mm concrete foundation, concrete mix to conform to BS EN 206-1 and BS 8500-2. All foundations minimum 750mm deep or 1000mm if shrinkable clay type soil, exact depth to be agreed on site with Building Officer to suit silt conditions.
Note. Precautions 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.

Partial fill cavity wall.
To achieve U Value of 0.18W/m2K.
Faced brickwork Ensure 50mm clear residual cavity and provide 100mm Kingspan Kooltherm K106 insulation fixed to inner 100mm medium blockwork.
Other products can be used with consent of building inspector.

Concrete Floor (Porch and office)
To achieve U Value of 0.15W/m2K.
Typical floor construction will be 150mm blinded, well compacted hard-core, 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.
150mm concrete slab with Latex finish for floor covering.
Floor to be insulated over DPM with 100mm thick Kingspan Kooltherm K106 insulation.
25mm insulation to continue around floor perimeter to avoid floor thermal bridging.
Other products can be used with consent of building inspector.

Roof
Concrete tiles
To manufacture instructions.
Breathable roofing felt.
Insulation at ceiling level (between and over)
To achieve minimum U-value required of 0.13W/m2K.
Cedral Rivendale slates fixed to tile battens secured over breathable sarking felt to relevant BBA Certificate allowing the breather felt to sag at least 10mm over preservative-treated counter battens (min 38mm x 50mm).
100mm loft insulation in-between rafters.
200mm loft insulation over rafters.

DRAWING TITLE		
PROPOSED EXTENSION AT 41 DYLAN CRES. LITTLE WARREN, PORT TALBOT.SA12 6BW.		
DRAWING TITLE		
PROPOSED LAYOUT REV A		
SCALE 1 to 50 @ A3	DATE February 2025.	DRAWING No. 2025/03
DO NOT SCALE DRAWING. FIGURED DIMENSIONS ONLY TO BE USED. DISCREPANCIES TO BE REPORTED IMMEDIATELY.		