

Ground bearing solid concrete floors (U-value 0.16 W/m2.k) Topsoil and vegetable matter to be cleared from site and floor area to be in filled between walls with minimum 150mm/maximum 600mm clean, sand blinded, mechanically compacted, hardcore. 1200g (300 micrometer) continuous polythene damp proof membrane (DPM) lapped and sealed at all joints and linked to DPC's in walls.

Lay floor grade insulation (80mm Kingspan Kooltherm K103 Floor Board) over DPM, minimum thickness and type in accordance with the guidance table including 25mm thick insulated up-stands between slab and external walls.

Lay 150mm minimum thick ST2, or Gen1 concrete floor slab with a trowel smooth surface ready for finishes over insulation, (note: 500g polythene separating layer is to be installed between the concrete slab and insulation if using a foil faced polyurethane/PIR type insulation board.)

Insulation to be omitted and concrete thickness increased in areas where non-load bearing partitions are to be built off the floor slab (load bearing partitions should be built off the floor a foundation).

Wall abutments

Vertical junctions of new and old walls to be secured with proprietary profiled stainless steel metal crocodile type system bolted to the existing wall with a dpc inserted into a vertical chase cut into the existing wall above the horizontal dpc and pointed with flexible mastic as manufacturer's details.

Depth of chase and position of dpc to be agreed with building control.

Trench fill foundations

Trench fill foundations to have a minimum width of 450/500mm, a minimum thickness and a minimum depth below external ground level in accordance with building control .

Strip foundations

Strip foundations to have a minimum width (typically 600mm wide for 300mm thick cavity walls and 450mm wide for 100mm thick walls), a minimum thickness of 150mm (typically 225mm in practice) and minimum depth below ground level in accordance with the guidance required by building control.

Maximum depth is to be restricted to 1.0m deep for health and safety for persons working in trenches.

Any services should pass through the sub structure walls protected by precast concrete lintels and not through the foundation - for more details see pipes penetrating though walls in Part H of this guidance.

Foundations should be located centrally under all external and internal walls and taken to a depth below the influence of drains and or surrounding trees and taken to natural undisturbed ground of adequate ground bearing capacity.

PROPOSED EXTENSION AT 35 THOMAS STREET
PORT TALBOT .SA12 6LT
Mr.I.Terry 07966 135355.

DRAWING TITLE

PROPOSED GROUND FLOOR LAYOUT

SCALE 1 to 50 @ A3	DATE March 2020.	DRAWING No. 2020/03
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DO NOT SCALE DRAWING. FIGURED DIMENSIONS ONLY TO BE USED.
DISCREPANCIES TO BE REPORTED IMMEDIATELY.

