



TRENCH FOUNDATION
Provide 750mm thick trench wall all concrete foundations with a minimum width equal to the width of the wall plus 300mm. Concrete mix to conform to BS EN 12063 (20:2012) and BS EN 12064-2 (20:2012) for concrete for slabs.
(A1:2020). All foundations to be a minimum of 1500mm below ground level, depth and size of foundation to be approved on site by Building Control to suit site conditions. All constructed in accordance with 2010 Building Regulations A1/2 and BS804 Code of Practice for Foundations (A1:2020). Ensure foundations are constructed below invert level of any adjacent drains. Base foundations supporting internal walls to be min 650mm below ground level. Substrate resistant cement to be used. Please note that should any adverse soil conditions or differences in soil type be found, or any major tree roots in excavations, Building Control to be contacted and the advice of a

SOLID FLOOR INSULATION OVER SLAB
To meet min U value required of 0.18 W/m²K
P/R rate 0.5

Solid ground floor to consist of 125mm concrete well-insulated hardcore, bladed with 30mm sand & 100mm, 100mm STC or Gensil, ground bearing slab concrete rebar to conform to BS 8500-2:2003 and BS EN 206 for a 1200 gauge polythene DPM. DPM to be lapped in with DPC in walls. Floor to be insulated over slab and DPM with min 90mm thick Celotex G4000 Insulation. 25mm insulation to continue around floor perimeter to avoid thermal bridging. A VCI should be laid over (and under if required by the manufacturer) the insulation boards and turned up 100mm at room perimeters behind the skirting. All joints to be lapped by 100mm. Finish with 65mm sand/cement screed, finished, sanded with 4th mesh reinforcement.

Project	83 Old Barn Way BN42 4NS
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Drawing Title	Proposed Elevations & Section AA
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Rev	Date	Details
A	130526	Initial drawings sent out for review
B	220526	Minor amendments
C	270726	Minor amendments

Dimensions to be verified on site
by contractor prior to
commencement of work

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