

PROPOSED GROUND FLOOR PLAN

TRENCH FOUNDATION

Provide 1000mm x 600mm trench fill foundations, concrete mix to conform to BS EN 206 and BS 8500-2, exact depth to be agreed on site with Building Control Officer to suit site conditions. All constructed in accordance with 2010 Building Regulations A1/2 and BS 8004 Code of Practice for Foundations. Ensure foundations are constructed below invert level of any adjacent drains. Base of foundations supporting internal walls to be min 600mm below ground level. Suitable resistant cement to be used if required. Please note that should any adverse soil conditions or difference in soil type be found or any major tree roots in excavations, the Building Control Officer is to be contacted and the advice of a structural engineer should be sought.

PIPES PASSING THROUGH TRENCH FOUNDATIONS

Pipework should pass through a suitably strengthened opening in the foundation, i.e. foundation shuttered and a provided with suitable lintel over the pipe allowing for sufficient space for movement to ensure that the drain is capable of maintaining line and gradient. Opening should be masked with granular backfill (pea shingle) around pipe.

DPC to be provided as required by BCO.

Advice from Building Control to be sought on suitability of pipe running through foundation before construction.

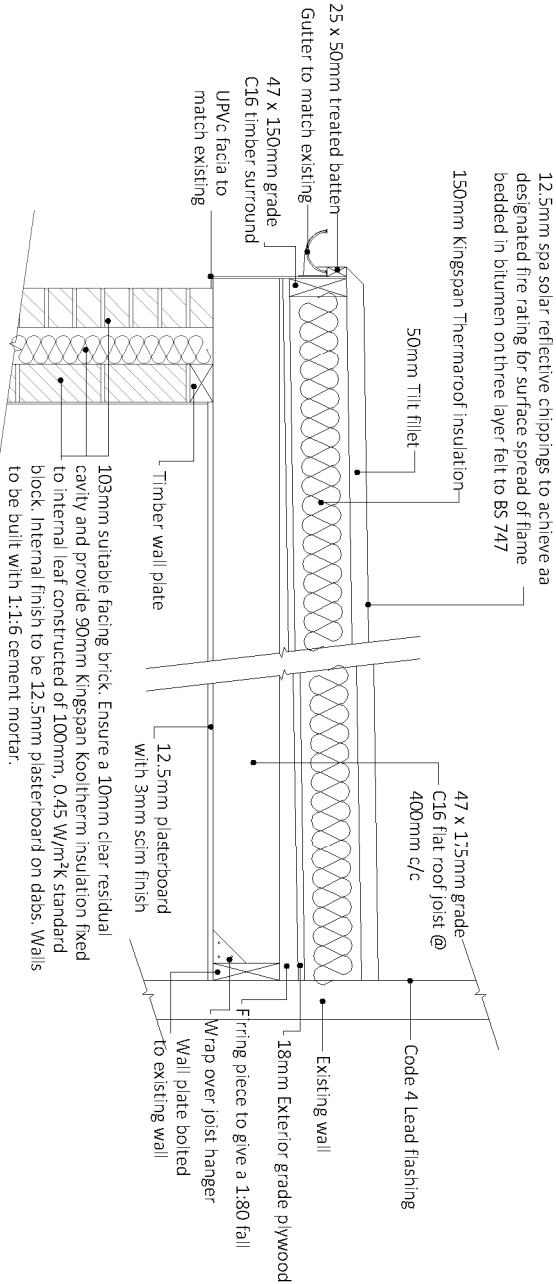
WALLS BELOW GROUND

All new walls below ground to be constructed using blockwork compliant with BS EN 771 and suitable for below ground level or semi engineering brickwork. Walls to be built using 1:4 masonry mortar mix or equal approved specification to BS EN 1996-1-1. Cavities below ground level to be filled with lean mix concrete min 225mm below damp proof course. Or provide lean mix backfill at base of cavity wall (150mm below damp course) laid to fall to weepholes.

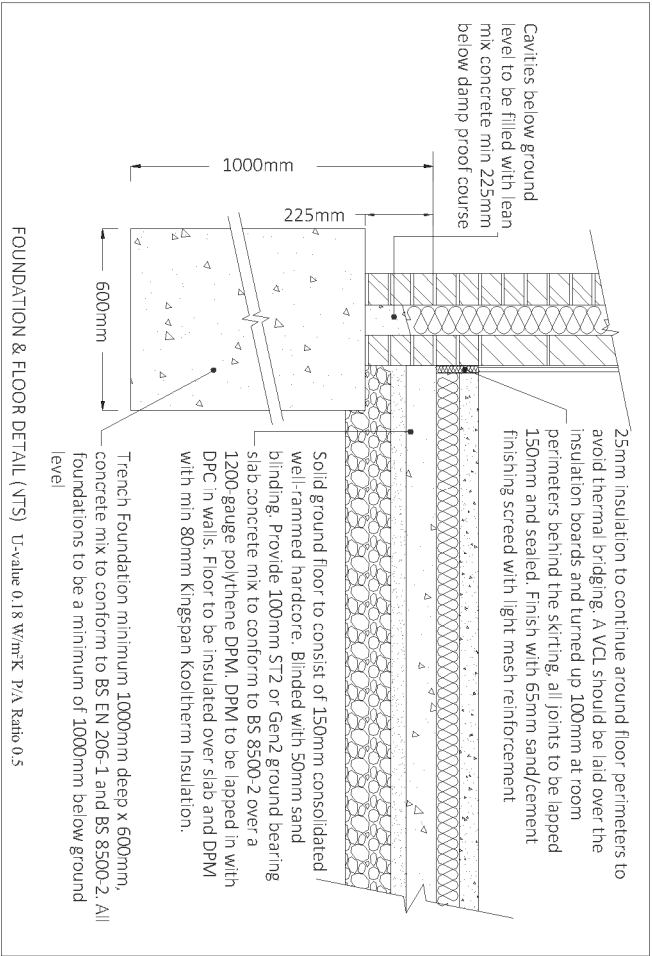
PARTIAL FILL CAVITY WALL

To achieve minimum U Value of 0.18 W/m<sup>2</sup>K

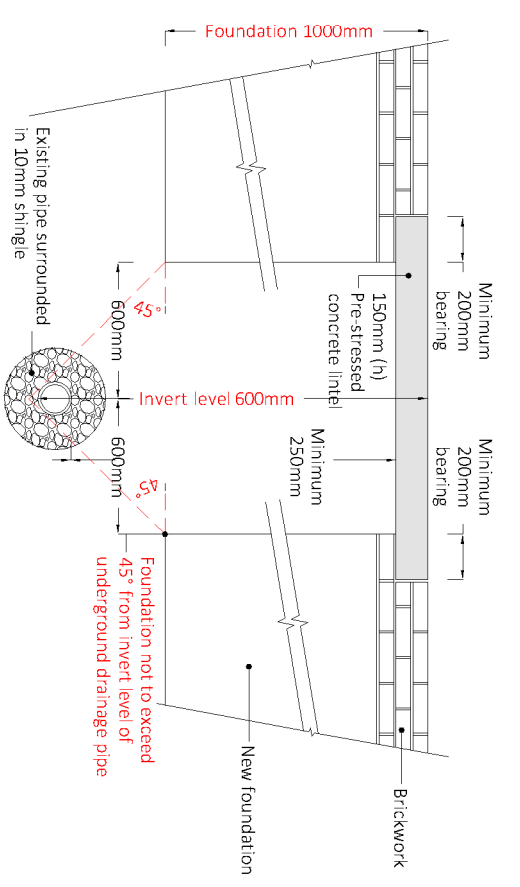
Provide 103mm suitable facing brick. Ensure a 10mm clear residual cavity and provide 90mm Kingspan Kooltherm insulation fixed to internal leaf constructed of 100mm, 0.45 W/m<sup>2</sup>K standard block. Internal finish to be 12.5mm plasterboard on dabs. Walls to be built with 1:1.6 cement mortar.



FLAT ROOF DETAIL (Warm Deck)



FOUNDATION & FLOOR DETAIL (NTS) U-value 0.18 W/m<sup>2</sup>K P/A Ratio 0.5



BRIDGING OVER DETAIL (NTS)

DO NOT SCALE FROM DRAWINGS EXCEPT FOR PLANNING PURPOSE.

Drawing Reference: 002

Site Address:  
48 ACACIA AVENUE  
WEST DRAYTON  
UB7 8LW

Dwg Date: 17-01-2024

Dwg Title: PROPOSED GROUND FLOOR PLAN

Proposed Project:  
SINGLE STOREY EXTENSION TO REAR  
ELEVATION

Scale Bar 1 : 50 (A3)

