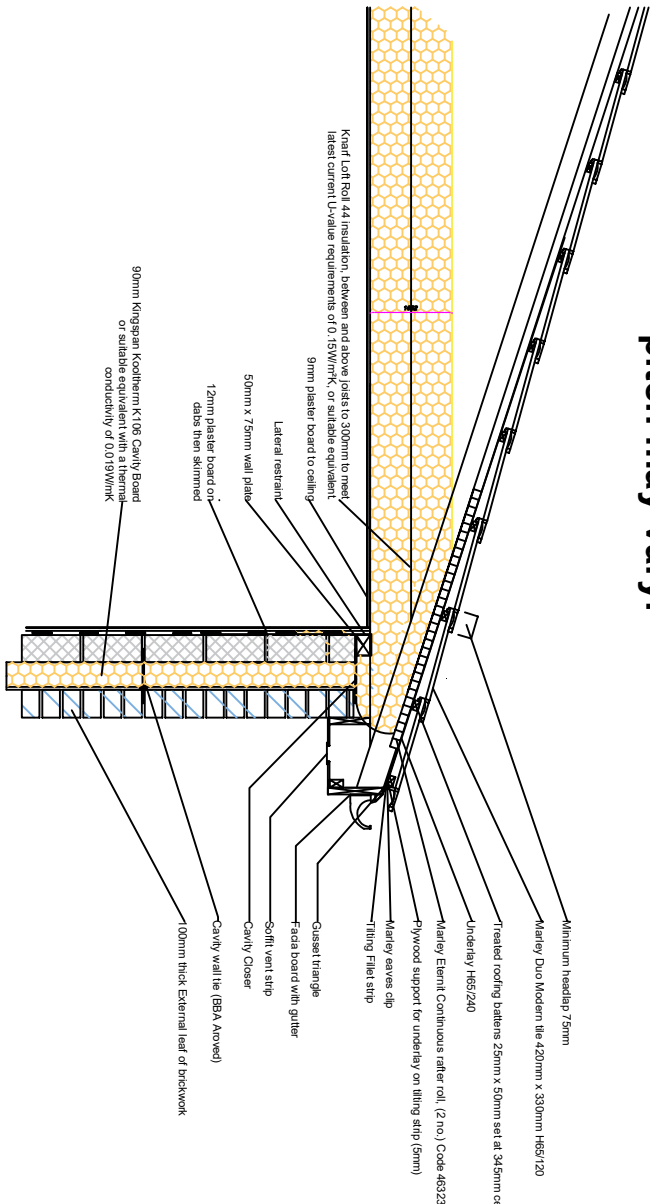
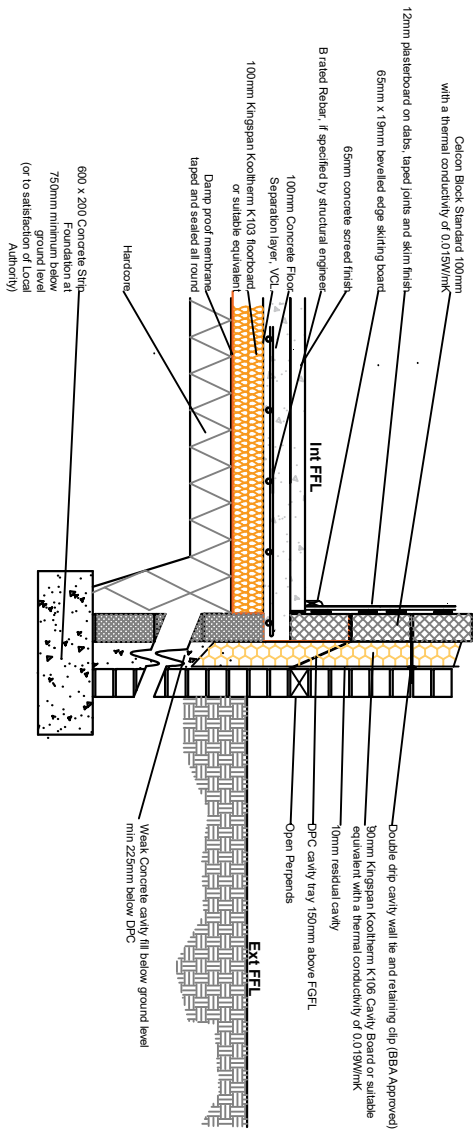


**Typical Eaves and Roof Detail,
pitch may vary.**



Foundation and Wall Detail - 600mm Foundation - Concrete Slab.



FOUNDATION,

Excavate minimum 1000mm deep, or to the satisfaction of Building Control; pour 600mm x 200mm concrete (1:3:6) strip foundation to comply with current Building Regulations, build up with foundation block work to required levels, fill cavity with weak mix concrete up to 225mm below DPC, provide damp proof courses at slab level; minimum 150mm above finished ground level; backfill internally with hardcore and externally with selected excavated material remove surplus excavated material from site.

Note: if using 150mm cavity the foundation will need to be 700mm x 200mm concrete (1:3:6) strip foundation to comply with current Building Regulations.

EXTERNAL AND LOAD BEARING WALLS

Existing brickwork to be tied in by using stainless steel wall starter connectors or providing pockets to the old brickwork.

External walls to be 102mm facing brick and matched to existing if possible.

For 100mm cavity use 90mm Kingspan Kooltherm K106 Cavity Board insulation with a thermal conductivity of 0.019W/m/mK, taped with Wapitite breathable self adhesive tape on all joints and around ties or suitable equivalent.

For 150mm cavity use 150mm Knauf DrTherm® Cavity Slab 32 or suitable equivalent with a thermal conductivity of 0.032W/mK

Inner leaf of external walls to be 100mm Celcon lightweight blocks with a thermal conductivity of 0.15W/mK

Internal face of external walls to be fitted with plasterboard.

Stainless steel wall ties staggered at 750 horizontal and 450 vertical centres to BS EN 845-1 and double number Wall ties around openings

All new or enlarged windows, door and access reveals to be draged over by a suitable insulated Camic Inlet (as specified on approved plan) or equivalent and approved with minimum 150mm bearing unless specified otherwise on approved plan.

Install cavity tray over any item bridging cavity.

Install Cavity closers where required.

SOLID FLOOR

65mm thick sand and cement screed over 100mm concrete slab, 1:2:4 mix, with polythene separation layer on Kingspan Kooltherm K103 100mm thickness on 200kg visqueen Damp Proof Membrane lapped, taped and bonded to DPC, on 150mm minimum well compacted hardcore.

Cavity wall insulation to extend down below DPC level to level of floor insulation.

Perimeter floor slab up stand insulation to be Kingspan minimum 25mm thickness fitted to floor insulation where floor slab meets external walls.

New floor to meet or exceed latest current Building Regulations and U-value requirements of 0.18W/m²K complying with approved documents

TIMBER SUSPENDED FLOOR

Correctly sized and spaced timber joist calculated from span tables, pocketed into internal wall leaf with DPC wrapped around ends and covered by tongue and grooved chipboard or floorboards.
130mm Kingspan Kootherm K103 insulation (or suitable, foil backed equivalent), installed to upper area between joists held in place with 25mm sq timber battens.

Cavity wall insulation to extend 200mm down past the Internal finished floor level.

An air flow gap of 150mm minimum to allow air flow between the underside of joist and a layer on concrete poured across the ground and prevent weed growth.

Telescopic underfloor air vents to sub void to allow air flow ventilation

New floor to meet or exceed, latest current Building Regulations and U-value requirements or U18W/m²K complying with approved documents.

GAS MEMBRANE

If required, a gas membrane shall be laid over the ground slab. Visqueen Ultimate HC BLOK (or equal and approved) conforming to BSA485.2015 + A.1:2019 for Methane and Carbon Dioxide protection shall be installed as per the manufacturer's instructions, to prevent the ingress of VOC's due to the structures proximity to a historic landfill site.

PITCHED ROOF.

Roof tiles in colour to match existing as near as possible; to be Marley Modern or equal and approved

Nailed or clipped to 50x25mm battens on sarking felt to BS/4/

Correctly sized and spaced lumber joist calculated from span tables - C-24 - minimum 50x25mm at 400mm centers.

Ceiling insulation to be laid between and over joists. Insulation to be Knarf Lott Roll 44 to minimum of 300mm thick.

Where appropriate, 1200x30x3mm galvanised steel restraint straps to be nailed over min. 3no. rafters at centres, with suitably sized noggin under.

Chris Colbourne - Technical Officer Manchester Equipment & Adaptation Partnership Fulmead Children Centre 2 Fulmead Walk Cheetham Hill Manchester M8 9DW Office No : 0161 219 2293 Mobile No : 07814 082 379	Project - Feasibility		LAS Bathroom, 1500mm T/Circle and Access Ramp to Rear		Applicant Details - Elizabeth Lawrence 21 Bradshaw Road Manchester M20 3FF	
	Dwg Title :		Date: 19/07/2023			
	Details and Specification		Scale: 1:100			
	Revision :		Paper Size: A3			
	No.	Date	Sign			
			Drawn By : Chris Colbourne			