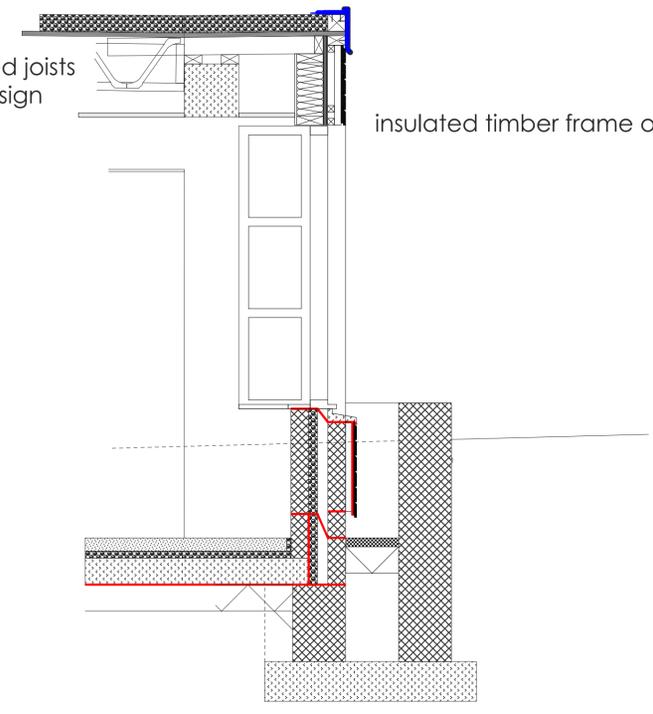


beam supporting Easijoists & cantilevered joists over window to structural engineer's design



insulated timber frame over window

MAIN STRUCTURAL WALLS
Masonry Substructure Walls
 Form 310mm solid walls for external walls built off new foundation up to underside of floor slab level with concrete trench fill blocks up to dpc level as detailed on plan. Supply and lay hyload dpc tied to floor dpm to form continuous seal.

External Masonry Walls
 Form 305 mm cavity external wall for full height with 100 mm dense concrete blockwork inner and outer skins built off substructure wall with all necessary dpc's and with 105mm cavity between inner and outer skins.

Link outer masonry skin to inner skin with stainless steel wall ties at 450 mm vertical and horizontal centres and at jambs to openings at 225 mm vertical centres.

Close all cavities at head of walls with proprietary 30 min fire resisting cavity barriers and around all door and window openings with fire rated insulated finned cavity closers all installed fully to manufactures instructions.

Cavity to be ventilated at base by open perpend joints at 900 mm centres fitted with insect mesh and provide cavity trays over all openings and service penetrations.

Insulate main walls with 55mm of Celotex CW4050 to manufactures instructions.

Link dpc with horizontal dpm using RIW Sheetseal 226.

Masonry Wall Lintels
 Support standard door and window openings up to 1.8 m in width over external blockwork skin with 140 x 100 mm Stressline R15A PCC lintels installed fully to manufactures instructions with minimum 150 mm end bearing.

Alternatively support all external door and window openings with CTF5 Cotnic lintels installed fully to manufactures instructions with minimum 150 mm end bearing.

Form 100mm solid walls for internal non-load bearing walls built off ground floor slab up to underside of roof level with 100 mm dense concrete blockwork.

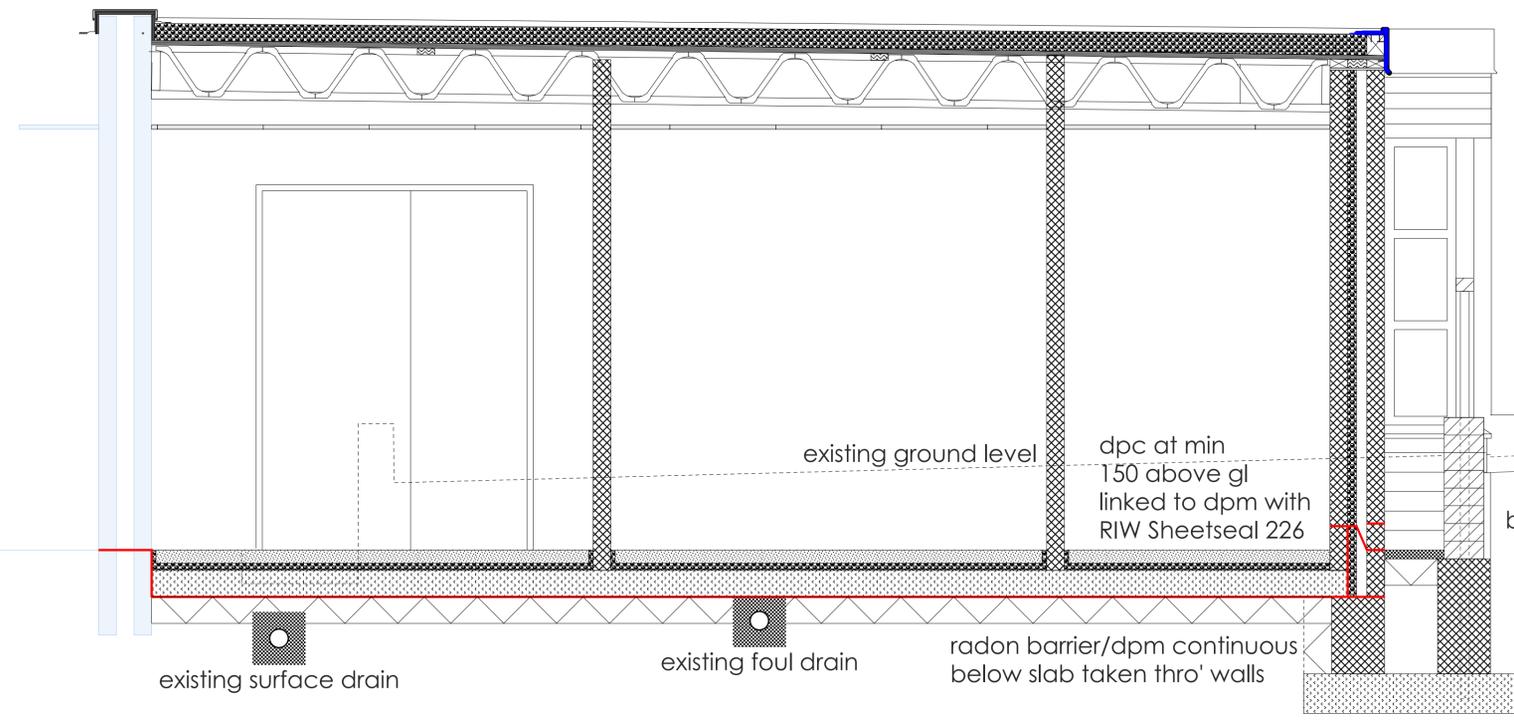
Include for all necessary dpc 's where membranes turn up over top of wall.

External Insulation
 Min 45mm Kingspan Kooltherm K5 External Wall Board mechanically fixed fully in accordance with mabufacturer's instructions.

Masonry Wall Lintels
 Support standard door and window openings up to 1.8 m in width over external blockwork with 215 x 100 mm pre-stressed lintels installed fully to manufactures instructions with minimum 150 mm end bearing.

External Wall Finishes
 1. Beneath window: treated 25mm thick shiplap boarding, nailed to 38mm x 38mm treated vertical sw battens at 600mm cs, nailed to concrete block walls, left open at top and bottom of wall.
 2. Over window: treated 25mm thick shiplap boarding, nailed to 38mm x 38mm treated vertical sw battens at 600mm cs on breather membrane, nailed to horizontal sw battens at 600mm cs on 150mm timber studs at 600cs with head & sole plates, insulated with 150mm mineral wool quilt faced 12.5mm plasterboard with integral vapour barrier.
 3. Generally: K-Rend render comprising 2 no 6mm base coats incorporating glass fibre reinforcing mesh, primer and finishing coat, fixed strictly in accordance with manufacturer's instructions.

insulated Sarna roof covering on Wolf Easijoists @ 600cs laid to falls



radon barrier/dpm continuous with existing dpc

existing surface drain

existing foul drain

radon barrier/dpm continuous below slab taken thro' walls

existing ground level

dpc at min 150 above gl linked to dpm with RIW Sheetseal 226

bulk timber retaining wall

		CAD ARCHITECTS . LTD COURTLIGH HOUSE, LEMON STREET, TRURO, TR1 2PH T. +44(0)1872 630040 E. studio@cadarchitects.co.uk	
PROJECT: EXTENSION TRURO NURSERY HIGHER TREHAVERNE TRURO	CHECKED: RH	DATE: Dec 2016	SCALE: 1:20 @ A1
CLIENT: TRURO NURSERY	DRAWN: SECTIONS AS PROPOSED	TITLE BLOCK: BUILDING REGULATIONS	DRAWING NO: 2362.D.12
		SHEET NO: A	