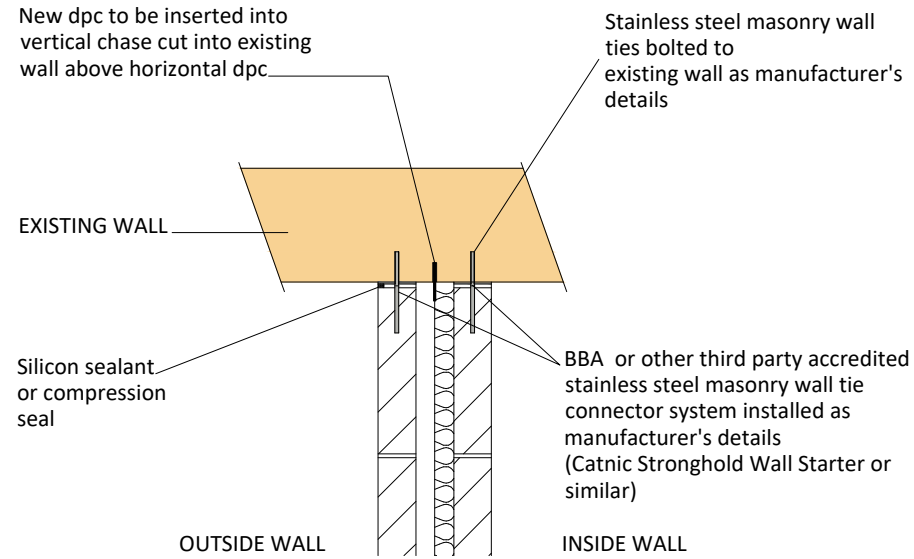


TOOTHING & BONDING

The contractor is to cut out pockets to tie in new brickwork / blockwork to the existing, the pockets are to be formed every course for blockwork and every four courses for brickwork or with Catnic's wall connectors or similar see detail below

NOTE: If existing propey is cavity construction then cavities to be made continuous



WALL PLATE STRAPS.

New 100 x 75mm treated timber wall plate to be secured to internal leaf of cavity wall by 1000 x 30 x 50mm galv. metal straps, secured at 600mm cts. to manufacturer's instructions. (b.a.t. or catnic)

RAINWATER GOODS.

To be 105 mm square section upvc gutters with sealed joints, secure fixings, set to falls to 75mm square section upvc downpipes, secured to walls and discharge to new gulleys.

LATERAL RESTRAINT.

Provide galvanised mild steel straps to anchor roof to new gable end wall, to have minimum cross section 30 x 5mm secured to manufacturers instructions at 1800mm centres

CAVITY TRAYS.

Provide polythene lapped and continuous cavity trays with stop ends above all lintels. Provide open perp ends or uPVC perpendts at 300mm cts. min. 2 per opening.

LINTELS.

All lintels to be gal. metal by Catnic or similar. Catnic lintels to have void filled with insulation quilt to avoid cold bridge. Lintels to be capable of carrying a 310mm cavity wall construction with 100mm internal skin and 110mm cavity over necessary opening, all lintels to have 150mm end bearing.

WINDOWS:

PVC-u windows from manufacturer with BBA agreement certificate. Hermetically sealed insulating glass unit to BS5713. Provide background ventilation by 4000 / 8000mm² trickle vents. The area-weighted average U-value of the windows must be 1.80w/m²k.

New Flat Roof

To be a Glassfibre warm roof construction Polyroof 185 or similar approved flat roofing system complete with 10 year bonded guarantee. All set on 150mm thick "Celotex XR4000" or similar insulation board on furring pieces set to fall on plyboard decking on new 47x 145 mm C24 timbers joists set at 450mm centres.

Sand and cement render _____
100mm thick concrete block outer skin _____
50mm clear cavity _____
50 mm thick Celotex Double R insulation batts or similar _____
100mm thick concrete block inner skin _____
Provide cavity tray _____

Provide Bituthene 3000 self-adhesive rubber/bitumen polyethylene or similar waterproof membrane installed to manufacturers instructions to face of retaining wall taken down and across cavity sump and tucked under d.p.c.

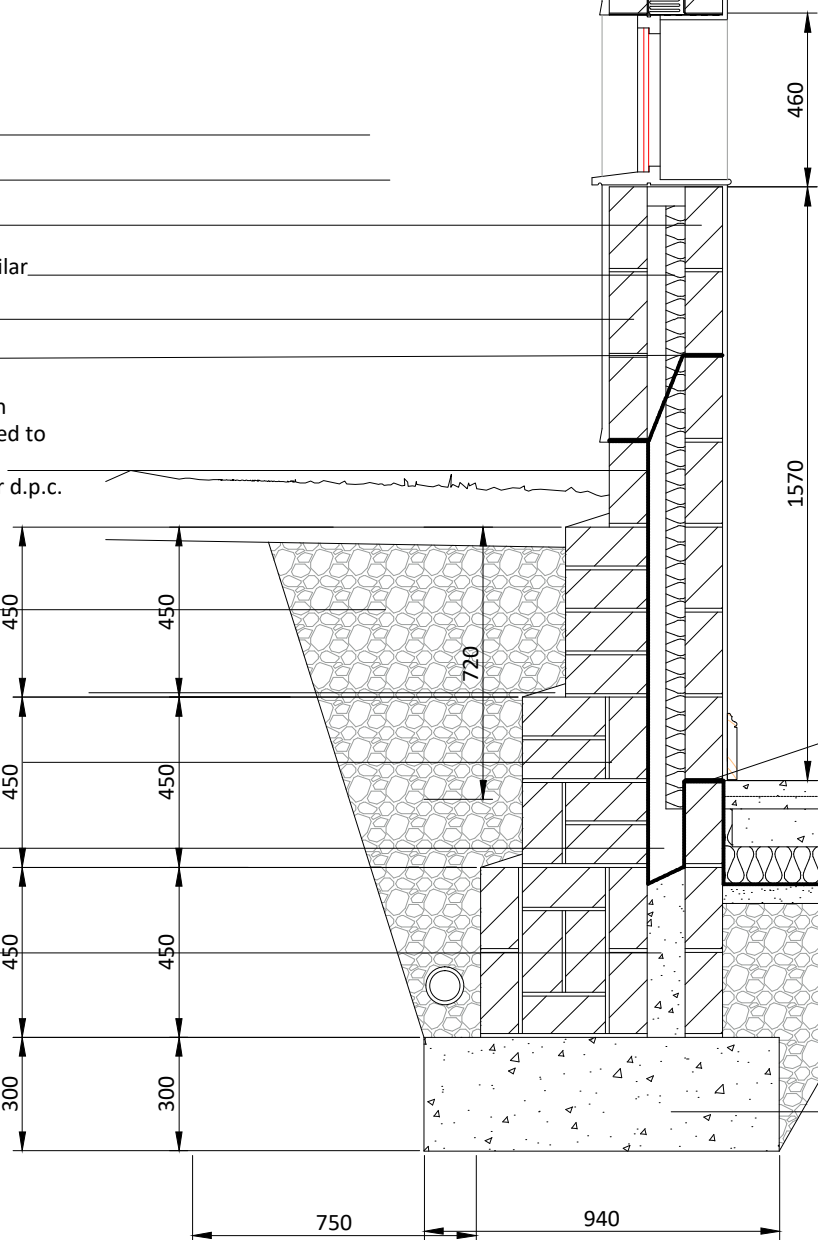
Single size clean stone -
Nominal size 40mm _____

Mortart fillet to all horizontal surfaces
Dense concrete blockwork 7 N/mm²
strength , min density 18Kn/m³ _____

Sump to sub-structure to be 225mm
below DPC level _____

Lean mix concrete _____

Movement joints to be provide in
blockwork walls max. spacing 6.0m _____



SECTION DETAIL C/C
scale 1:20

CONSTRUCTION NOTES.

All works to be carried out in accordance with the current Planning, Building Regulations and Subsequent Amendments. No variations should be made to the approved drawings without the express permission of the Local Authority Building Inspector.

This drawing is intended only for Planning & Building Control Useage. This is not a construction drawing.
This drawing may be scaled for planning purposes only.

The contractor must check dimensions prior to commencement of works and report any discrepancies. The contractor is responsible for locating existing services on site and ensure that any diversions, terminations, extensions are carried out by an approved sub-contractor.

OVERSITE.

Existing over site to be cleared beneath proposed building / extension of all turf and vegetable matter/soil.

FOUNDATIONS. (Generally)

To be concrete strip foundations taken to a suitable depth but to a minimum of 750 mm below existing ground level to solid bottom, to be inspected and agreed by Local Authority Building Inspector. Where practicable foundations to be taken below invert level of all drains within 1000mm. Foundations to be 600 mm wide x 300 mm deep. Provide 100 mm thick class 'A' concrete blockwork to internal and external skin, taken up to horizontal d.p.c. with cavity fill of lean mix concrete taken up to within 150mm of d.p.c.

CONCRETE FLOOR CONSTRUCTION.

To be 75 mm thick sand and cement screed with light gauge mesh reinforcement at mid point, on 100 mm thick concrete slab in 1:2:4 mix, on 1000 G visqueen seperating layer on 100mm Celotex or similar rigid floor insulation board with 25 mm thick rigid insulation batts around the perimeter of the floor, on 1200 G visqueen membrane, lapped minimum 300 mm and taken up walls and tucked where appropraite into horizontal d.p.c. minimum 150 mm, all on 50 mm thick sand blinding on 25 mm to 100 mm run of good clean hardcore in 150 mm depth well consolidated. No chasing or cutting into / through insulation board without prior consent of building control officer.

WALL CONSTRUCTION.

To be 300 mm cavity wall construction comprising of 100 mm concrete blockwork internal skin, 50 mm Celotex Double R insulation batts or similar insulating board to provide a U - value of 0.28 W/m²K. held in position by restraining disc on wall tie, all to be laid in accordance with manufacturer's instructions, 50 mm cavity 100mm thick concrete blockwork external skin to rear extensions with a sand and cement render finish. Cavity insulation must be taken down below dpc level finishing the same level as the underside of the floor slab insulation.

WALL TIES.

To be galv. metal wall ties with insulation restraining disc, to be capable of spanning a 100mm cavity including insulation. Position of wall ties to be as recommended by insulation manufacturers, but to be positioned at a min. of 750mm cts. horizontally and 450mm cts. vertically, double up at all window and door reveals.

D.P.C.'s

To be visqueen polyethylene used throughout both internally and externally, to be used in 100mm widths to external skin of cavity wall and 225mm widths to windows / door reveals, cills etc. d.p.c. to be taken well into cavity and secured to rear of door / window frames.

Project	Date	Revision
H. D. WILLIAMS Ltd. F.R.I.C.S. CHARTERED SURVEYOR TIRFESURYDD SIARTREDIG 123, Trealaw Road, Tonypandy, Mid Glam., CF40 2NP. Tel. (01443) 441078 Fax (01443) 434191 email: hdwilliams1@hotmail.co.uk		
Client	THE COMMITTEE OF BEDLINOG R.F.C. The Square, Bedlinog, Merthyr Tydfil. CF46 6TG	
Project	Proposed Toilet Block Extension at Bedlinog R.F.C.	

Title SECTION, DETAILS AND NOTES		
Date Dec, 2021	Scale	
Drawing Number hdw/ph/bed.03	Job Ref.	Revision
	the mark of property professionalism worldwide	