

Key to materials:	
1	Visqueen Zedex CPT High Performance Damp Proof Course
2	Visqueen Ultimate Gas Damp Proof Course
3	Visqueen Vapour Check or Visqueen Vapour Barrier
4	VisqueenPro Double Sided Jointing Tape
5	Visqueen Gas Resistant Foil Lap Tape
6	Visqueen Gas Barrier
A	PFU-501 Preformed Units at corners
B	PFU-553 Preformed Units at corners

CRITICAL GUIDANCE NOTES

Visqueen Guidance Details are for illustration purposes only. It is the lead designer's responsibility to ensure Guidance Details are incorporated correctly into construction drawings.

Visqueen take no project design liability, or responsibility for the use of Guidance Details.

Drawing not to scale, use figured dimensions only. All figured dimensions are in millimetres.

British Standards are regularly updated. Visqueen's Guidance Details must recommendations in place on date drawn.

Protection such as pressure relief or ventilation measures (not shown) may be necessary to meet the requirements of British Standards and industry guidance.

Some Visqueen membranes can be installed with welded lap joints.

Visqueen Preformed Units are available to assist complex detailing, such as internal and external corners.

Contact Visqueen Technical Services for further information.

Guidance Detail

Drawing No: GB-21
 Drawn by: JR
 Approved: SD
 Date drawn: September 2024

Visqueen provide a Contract Design Service where project specific drawings can be produced. Contact Visqueen Technical Services for further information.

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VISQUEEN
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BARRIER BELOW SLAB & INSULATION CAST IN SITU RC GROUND BEARING SLAB AT EXTERNAL MASONRY WALL

EW-01 Stone faced cavity wall

Utilising mix of reclaimed from demolition and new mixed evenly to allow for appearance to match existing church with 150mm cavity.

U value: 0.18w/m²K

EW-01 - Stone cavity wall

External

- 225mm Stone external leaf to match existing;
- 100 external masonry leaf;
- 50mm clear cavity w/ wall ties to SEng specification;
- 100mm Celotex CW4000 PIR insulation;
- 140mm lbstock Fairface Bathstone internal masonry leaf. **Compressive Strength 17.5N/mm**

Internal

Warm Flat Roof

Single ply flat roof with pre-cast plank structure.

U value: 0.07w/m²K

Top

- Sarnafil (or similar approved) single ply roofing membrane fully adhered to manufacturer's recommendations;
- 18mm wbp plywood suitable for roofing applications;
- Celotex tapered XR4000 PIR insulation. Thickness from 200-480mm to provide 1 in40 fall;
- 25mm (or as required to levelling and course with blockwork) Sika Hardtop 60 levelling screed;
- 200mm precast concrete planks to specialist supplier design;
- Passive Purple liquid applied vapour barrier; to then be painted black.

Bottom

Ground bearing slab

Insulated / uninsulated ground bearing slab.

U value: 0.52 W/m²K / 0.11 W/m²K

Top

- 75mm polished concrete screed suitable for commercial use w/ underfloor heating;
- 150mm reinforced ground bearing concrete slab to SEng specification;
- 500 gauge polythene separating layer;
- 150mm Celotex XR4000 PIR insulation suitable for use below ground floor slab;
- Visqueen Radon R400 Membrane.
- 50mm sand blinding;
- 300mm granular material to SEng specification.

Bottom

Notes

All sizes to be verified on site.
 Dimensions are not to be scaled from this drawing.
 All dimensions in millimetres unless otherwise stated.
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Visqueen ground floor junction detail
 NTS

DPC to top of parapet below coping.

Fire rated cavity closer to top of masonry cavity wall.

Stone coping to match existing church stonework.

T/O Masonry ±12,450

Parapet level +12,647

Code 10 leaf to line opening.

Powder coated aluminium chute for gutter overflow.

Plank Bearing Level +11,550

Cavity tray

Timloc Invisweep Weep hole with extender tube.

Fire rated cavity closer below plank bearing level.

EW-01 Stone Cavity Wall

Visqueen Zedex CPT High Performance Damp Proof Course.

Timloc Invisweep Weep hole with extender tube.

FFL +8,700

T/O Slab +8,625

EPS insulation suitable for use below DPC level.

Marmox thermoblock 65x600x140 to base of inner leaf to prevent thermal bridging.

FFL +7,040

Inner leaf above plank to be medium dense 100mm thick concrete block.

1 in40 fall

Gutter to be formed with tapered Celotex XR4000 insulation with minimum 60mm thickness.

Internal finish to be fairface block by lbstock. Allow for additional care to be taken with masonry to achieve suitable internal finish.

Damp proof membrane taped to cavity tray and taken over to protect against radon to manufacturer's details. See inset Visqueen detail.

Perimeter insulation to edge of slab.

Warm Flat Roof

Min. 150mm upstand of single ply and insulation to existing wall for abutment flashing. To manufacturer's details.

1 in40 fall

min 60mm

±12,258

Excess grout to be knocked off underside of planks to achieved internal finish of exposed structure.

Existing stone wall to be cleaned and re pointed to create suitable dust free internal finish. To be sealed with Interior Brick Sealer & Dustproofers.

Radon membrane taken into existing stone wall to supplier's details.

Ground Bearing Slab

Floor to Ceiling Height 2.850mm

225, 100, 50, 100, 140

Key Plan
 Scale 1:500 @ A3

Proposed Section AA
 Scale 1:50 @ A3

Rev	Date	Comments
Minerva House Newton Abbot TQ12 1TQ		01626 572250 info@pmr-architecture.co.uk www.pmr-architecture.co.uk
Project Newtons Place, Wolborough Street for Newton Abbot Town Council		
Drawing Title Proposed Section AA		
Drawing No. 25.58_BR_300	Scale 1:50, 1:3.16, 1:500 @	
Status TENDER	Revision	
Date January 2026		

