

Section

DO NOT SCALE

Notes

This detail assumes that the slab is in good - constructed to BS EN 1992 (Eurocode 2), and that the structure as a whole is of sufficient mass and quality to resist heads of water pressure as required by BS8102.

It is recommended that the slab be treated with Newton 906 Lime Inhibitor prior to installation of the Newton System to limit the leaching of free lime from the concrete.

A) Newton Basedrain should always be laid level and connected to the sump chamber or safe gravity drainage with at least two Drainage Connectors, see drawings CDM-P03 (Basedrain Layout & Parts) and CDM-P09 (Titan-Pro Pump System). Construction joints to the floor should be protected by Newton Floordrain, see drawing CDM-D01 (Construction joints protected by Newton Floordrain). For supporting walls detailing please see drawing CDM-D03.

B) Newton Fibran XPS 500-C is placed below the Newton flooring membrane as a fully drained supporting spacer. The maximum floor load is 16 Mpa (1.6 tonnes/m2). Newton Fibran XPS 500-C has a thermal conductivity of 0.035W/mk and as such will make a significant contribution to the U-value of the floor.

C) Screed to manufacturers recommendations or current British Standard.

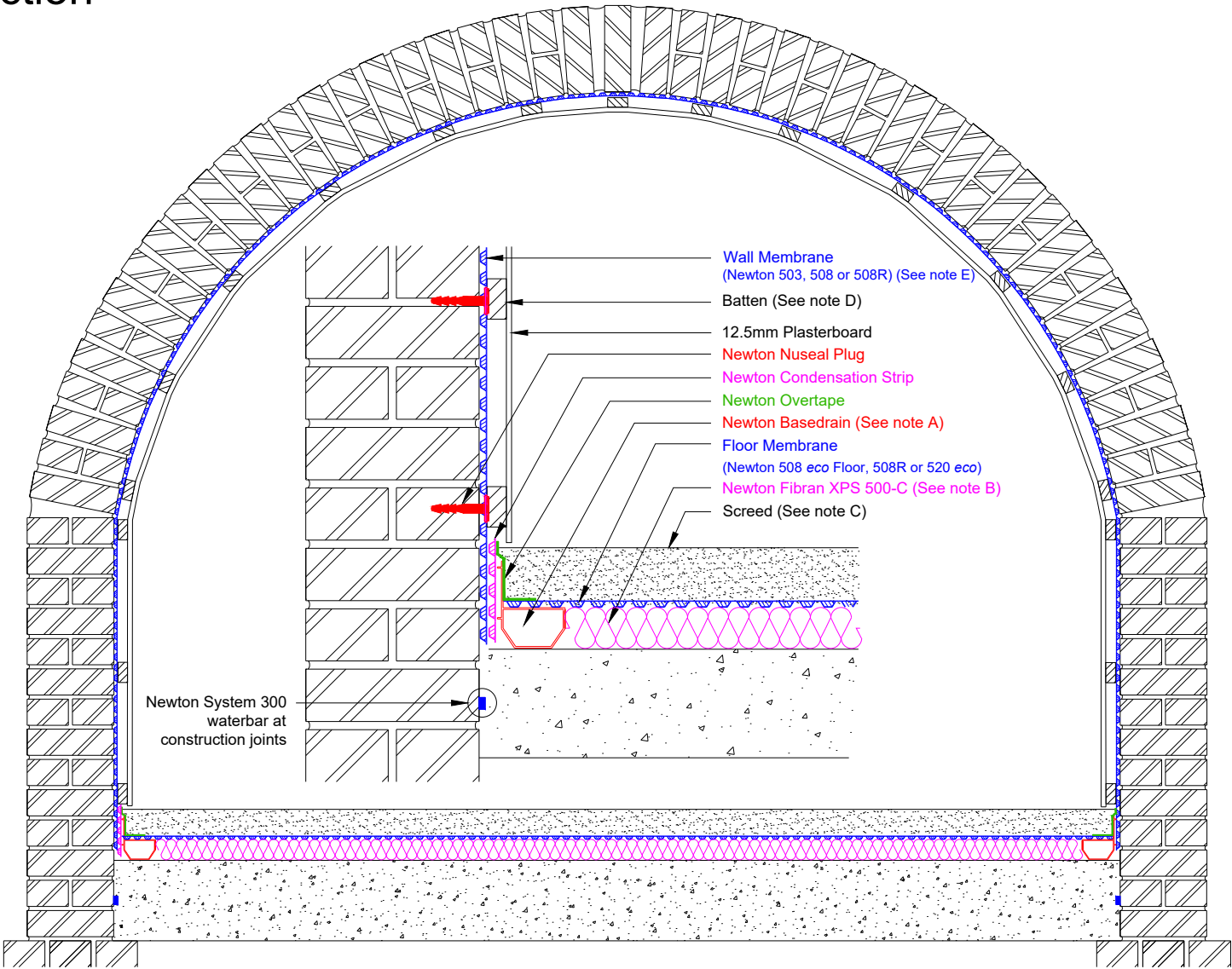
D) If insulating in front of the wall membrane a vapour control layer may be required to prevent interstitial condensation, see Guidance Note GD-01.

E) Wall membrane and Condensation strip should be trimmed to 40mm from slab to keep clear of the Basedrain holes.

To access further details and relevant technical information please call our Technical Team on 01732 360095 or refer to our [website](#).

Newton CDM System

Basedrain above slab
Brick vault with 12.5mm plasterboard fixed to battens fixed to the substrate with Newton Nuseal plug



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