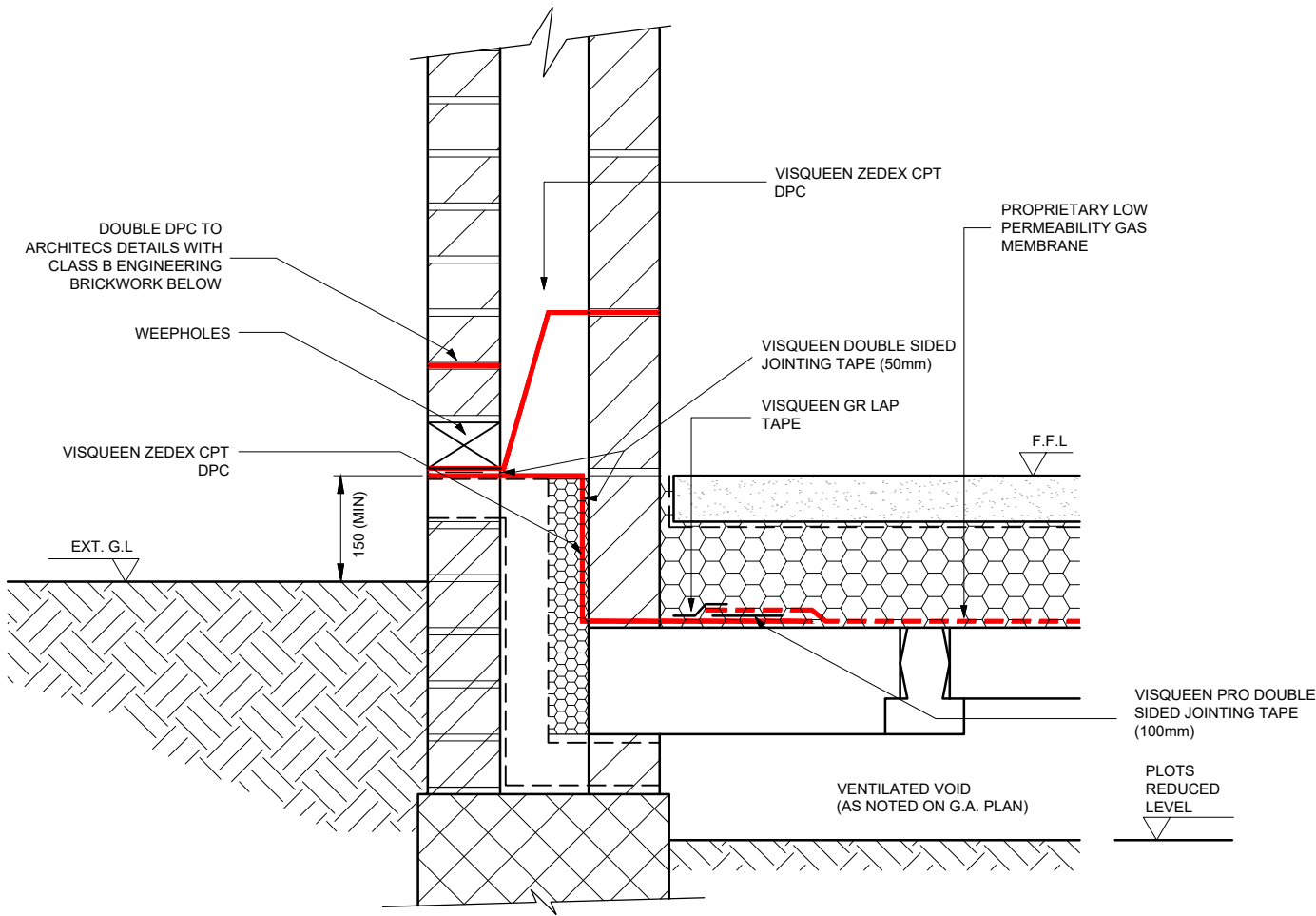




Detail
Scale- 1:10

General

1. This Drawing to be read in conjunction with all relevant Architects, Engineers and Specialists drawings & specifications.
2. Work to be carried out in accordance with current good practice, building regulations and subsequent amendments. The project specification, relevant British standards and codes practice materials and components to be suitable to be suitable for the intended use.

3. Gas resistant membrane to be high performance loose lay membrane containing encapsulated aluminium core. Maximum methane permeability $1 \times 10^{-10} \text{ m}^3/\text{m}^2/\text{s}$. (ACS Gas Resistant Membrane)
4. Installation and protection in accordance with manufacturers recommendations. Membrane to be laid on blinded stone throughout.
5. Individual membrane sheets to be lapped minimum 100mm and sealed with 30mm wide proprietary butyl tape (ACS Butyl Sealant Tape).
6. All services and other penetrations to be sealed with self adhesive gas resistant membrane (ACS Adhesive Gas Membrane).

Sub-Slab Diffusers

7. Sub - slab depressurisation with individual diffusers comprising a 1000mm length of perforated 100mm ID HDPE pipe backfilled with 10mm to 40mm no fines stone.

Pipework

8. Diffusers linked to external depressurisation unit via 100/150mm ID HDPE twin wall pipe.
9. All pipework to be jointed with proprietary push - fit connectors.
10. All pipework to have a minimum 150mm cover from underside of slab to top of pipe.
11. Pipework to be laid within or below granular stone or hardcore layer.
12. Excavation and backfilling for pipework to be carried out by MAIN CONTRACTOR.

Depressurisation Units

13. Depressurisation units to comprise 13A single phase flame-proof fans mounted in extract pipework. Fan housing by others and to Architects requirements. Location of depressurisation units to be agreed with contractor.
14. Extract pipework to comprise 150mm dia. grey UPVC pipe extending a minimum 2500mm above external ground level and fitted with static vent cowl (ACS Cowl S150)

15. All laps to be min of 150mm and fully sealed using visqueen double-sided tape.
16. Installation to be fully in accordance with the manufacturers recommendations.
17. Membrane to be protected by insulation/protection board as soon as barrier laid. DPC's to be protected by temporary boarding during course of construction.

Client	-		
Title	-		
Scale	1:10@A4	Drawing No.	10-01-01 26-05-2022