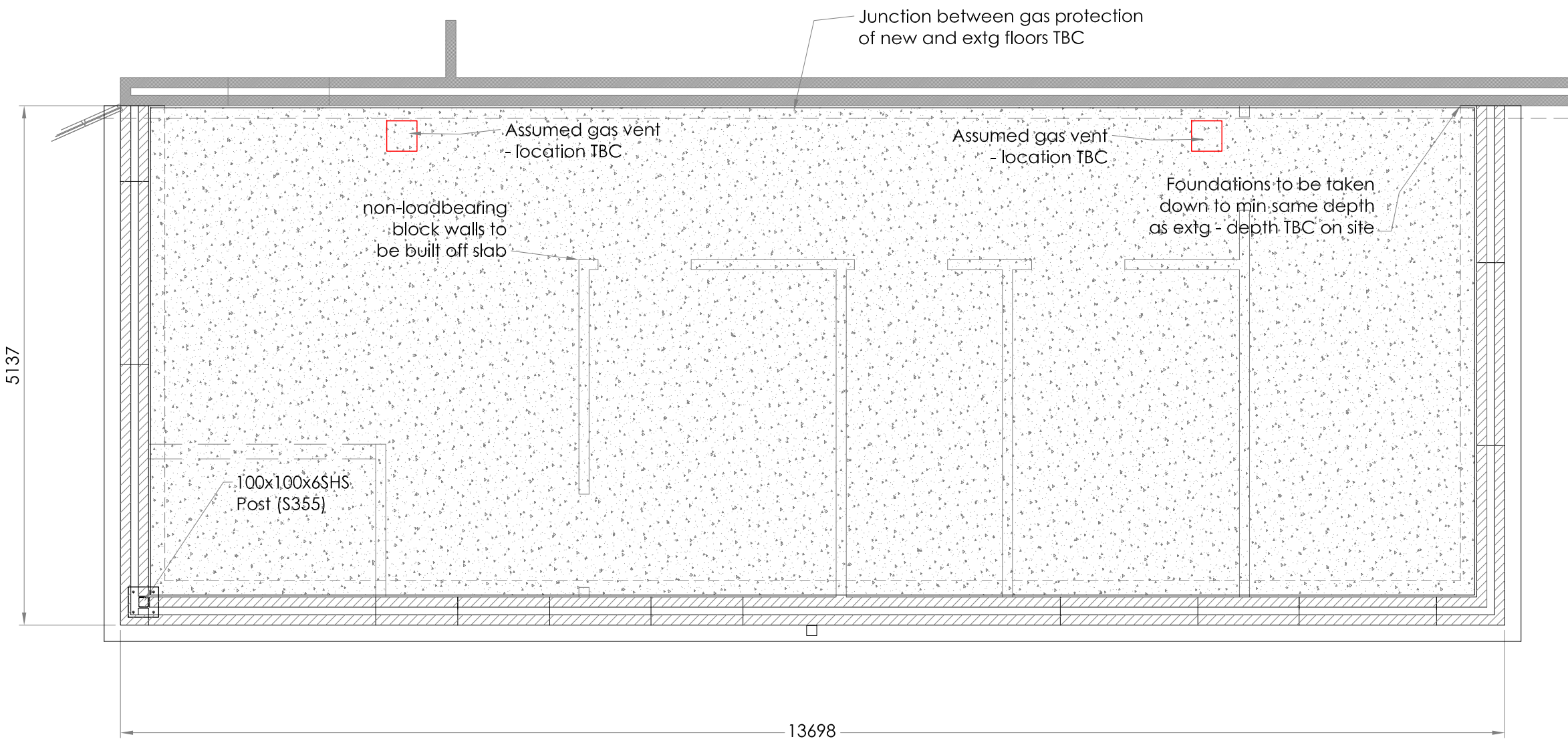




Sub-Structure G.A.
Scale 1:50

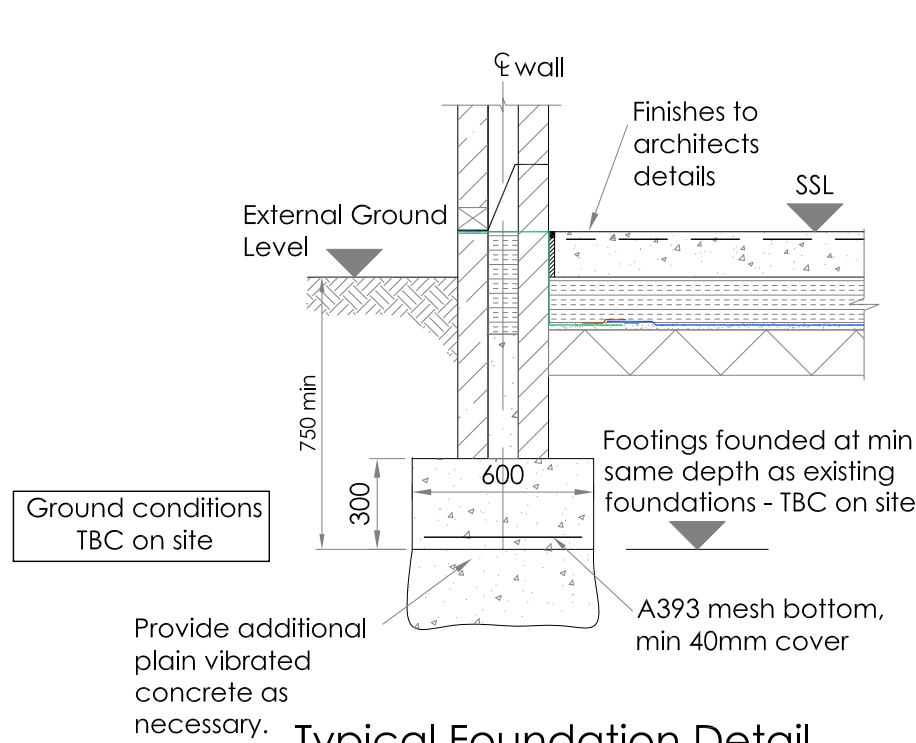
NOTE

FOOTINGS MIN 600x300mm DP TO BE TAKEN DOWN TO A MINIMUM 750mm BELOW FINISHED GROUND LEVEL. MIN 1 LAYER A393 MESH TO BOTTOM OF ALL FOOTINGS, 40mm COVER. ALL FOUNDATION CONCRETE TO BE DESIGNATED MIX FND2.

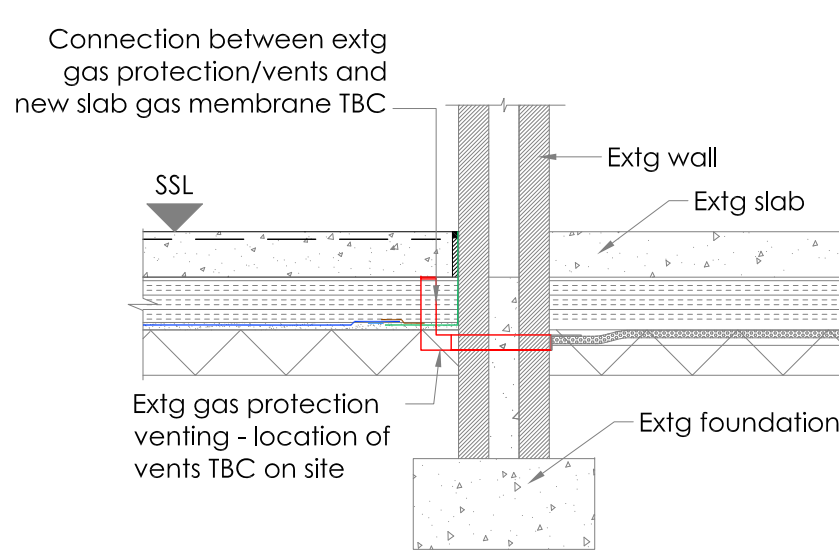
WHERE DEPTH TO GOOD GROUND IS GREATER THAN DEPTH OF EXTG FOUNDATIONS THEN FOOTINGS TO BE TAKEN DOWN TO APPROPRIATE BEARING STRATA IN MASS FILL CONCRETE, GRADE FND2.

GROUND ASSUMED TO BE STIFF CLAYS BASED ON RECORD DRAWING INFORMATION FOR THE ORIGINAL SCHOOL CONSTRUCTION. AN ALLOWABLE BEARING PRESSURE OF 175kN/m² HAS BEEN USED FOR THE DESIGN OF THE FOUNDATIONS. GROUND CONDITIONS TO BE CHECKED AND APPROVED ON SITE BY BUILDING CONTROL DEPT.

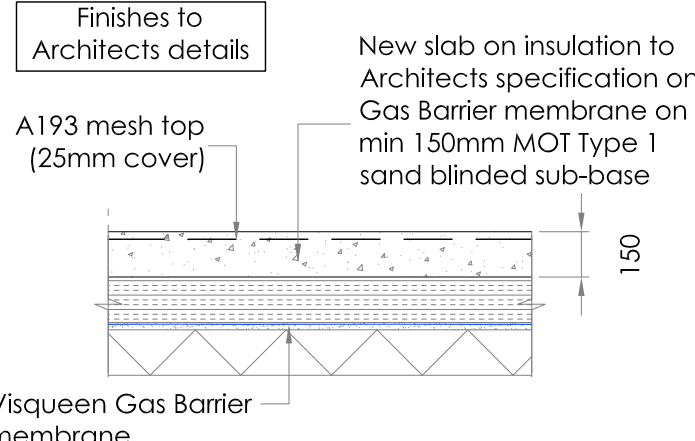
ALL FOOTINGS ARE TO BE SET OUT CENTRAL UNDER WALLS U.N.O.



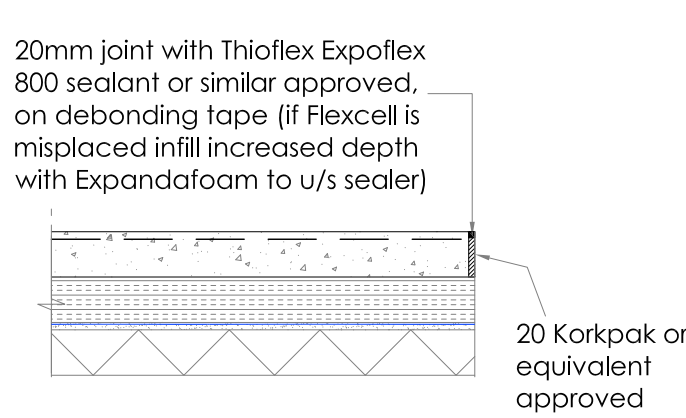
Typical Foundation Detail
- Ground Bearing Slab
Scale 1:25



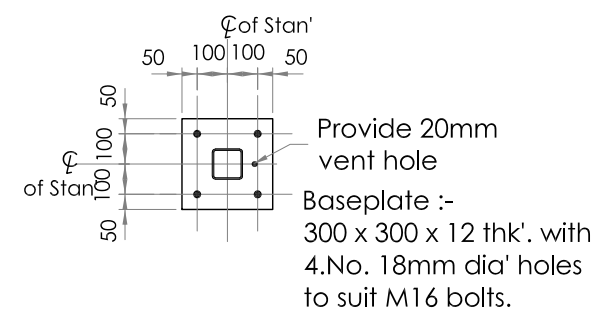
Slab Junction along Extg Wall
Scale 1:25



Typical Section Through New Slab
Scale 1:25



Isolation Joint (I.J.)
Scale 1:25



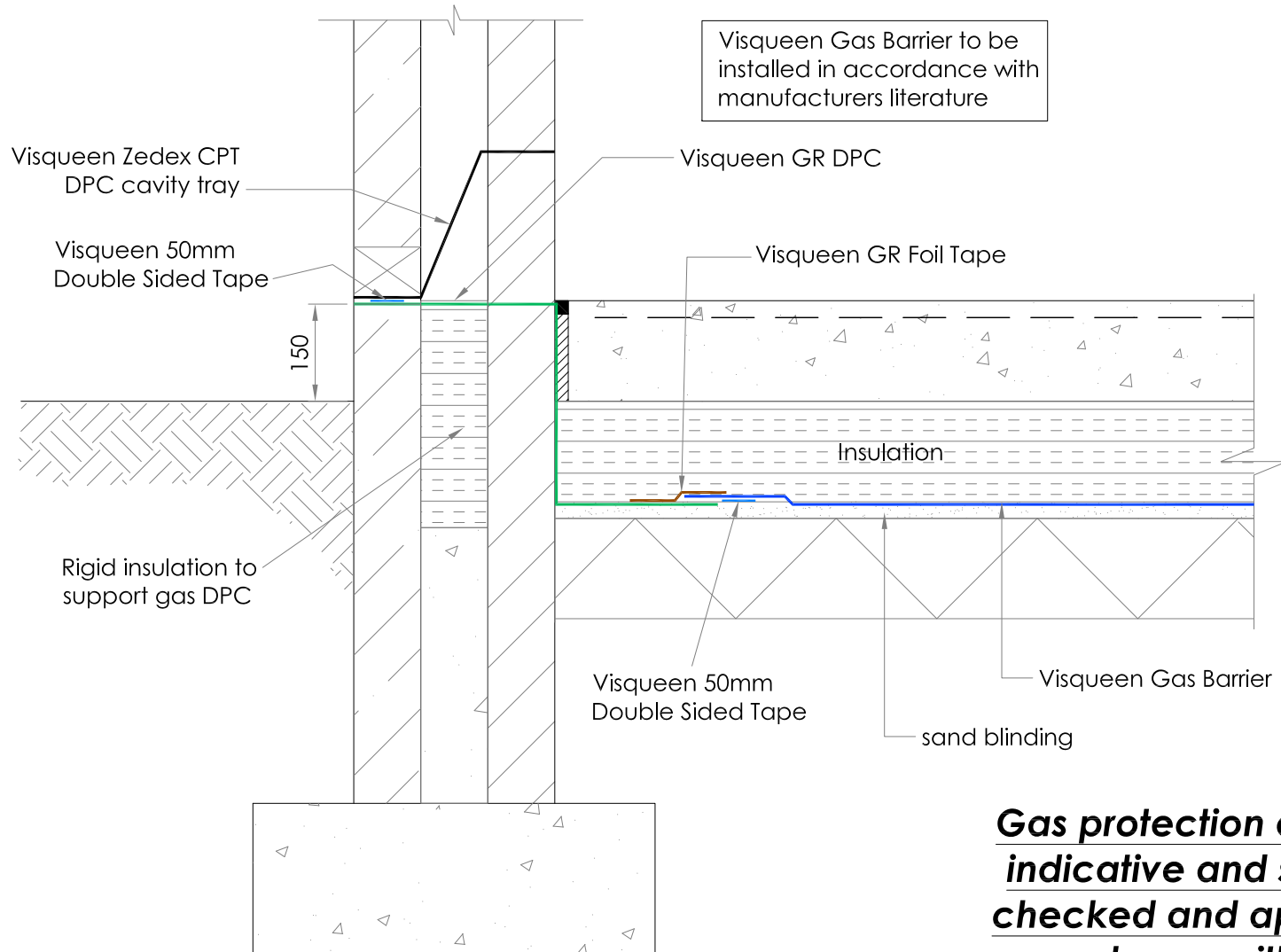
Typical Baseplate Detail to
100x100 SHS Stan
Scale 1:25

***Gas Protection**

Ground floor slab to existing building has gas protection as detailed on Cundall record drawings.

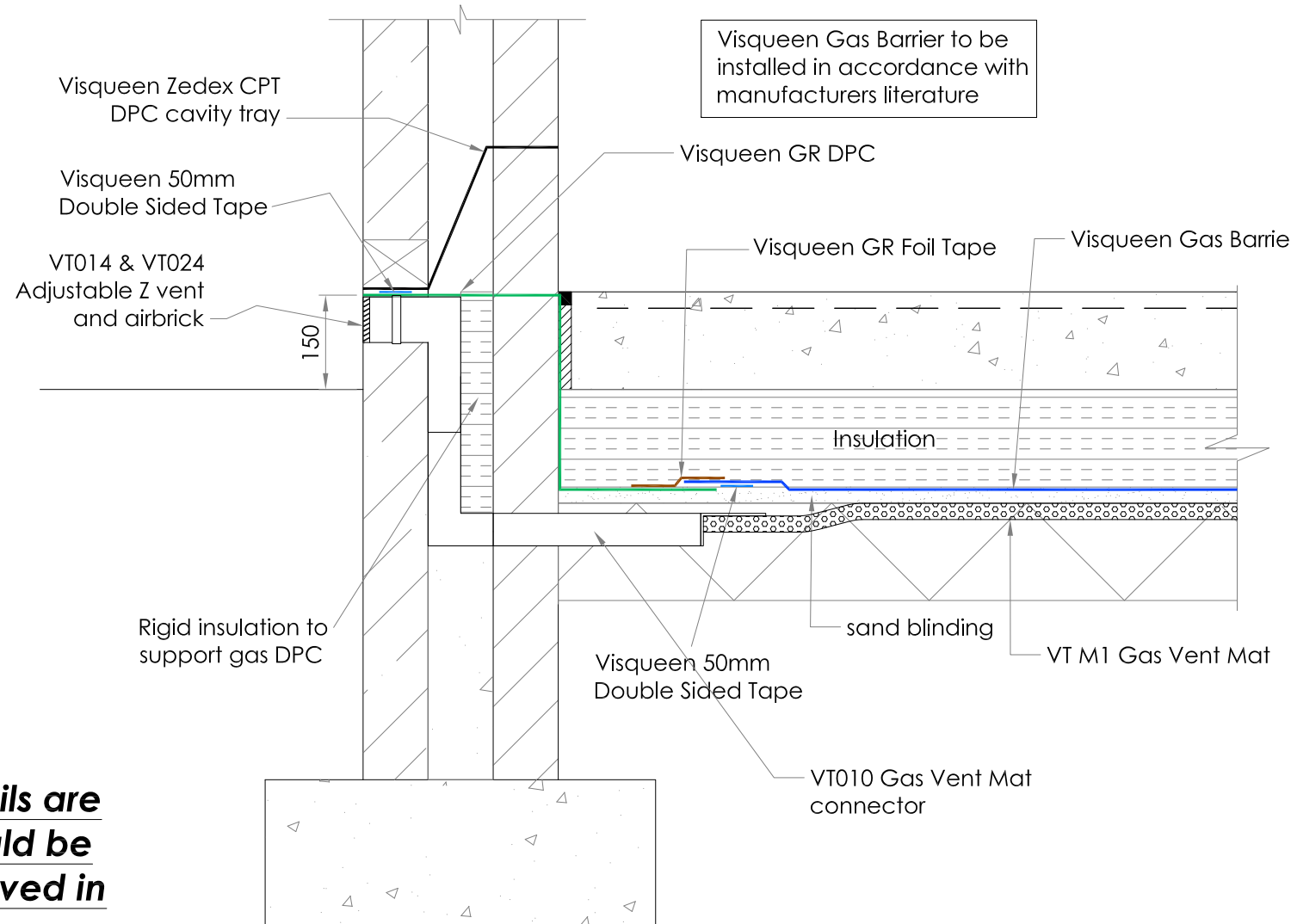
It is assumed proposed extension will require gas protection to same levels.

Gas protection level and protection details TBC

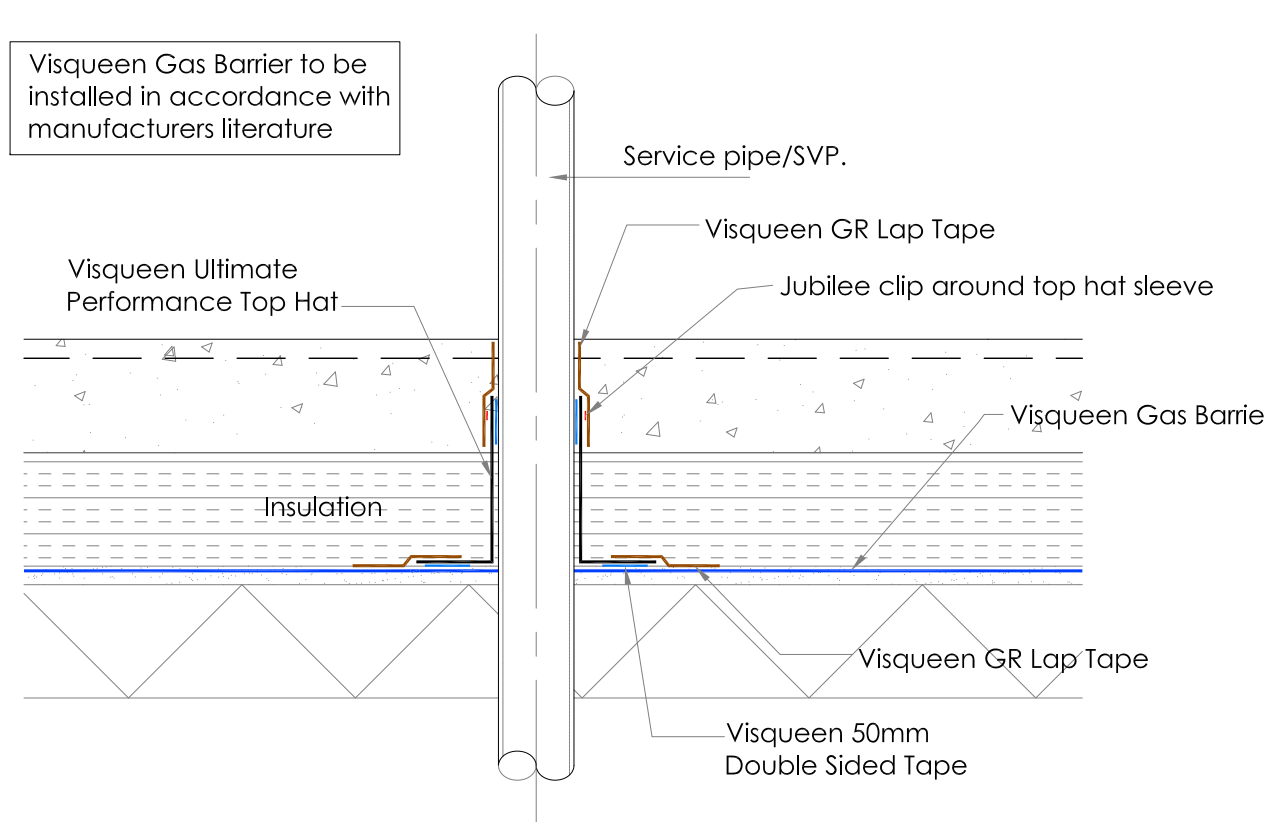


Typical Perimeter Gas Protection Detail
Scale 1:10

Gas protection details are indicative and should be checked and approved in accordance with Visqueen technical literature



Typical Perimeter Gas Protection Detail - Vented Slab
Scale 1:10



Typical Slab Penetration Gas Protection Detail
Scale 1:10

NOTE

ALL SETTING OUT DIMENSIONS NOTED ON THIS DRAWING ARE BASED ON ARCHITECTS CURRENT GA DRAWINGS. STRUCTURAL ENGINEER TO BE NOTIFIED OF ANY CHANGES TO THE SETTING OUT OF THE WALLS. ALL SETTING IS THE RESPONSIBILITY OF THE ARCHITECT.

GENERAL NOTES

1. Do not scale this drawing.
2. Contractor to check all dimensions and report all errors and omissions to the engineer.
3. This drawing to be read in conjunction with all other relevant drawings and MCSE Ltd. specifications.
4. All steel columns below S.S.L are to be cased in C35 concrete to give a min. cover of 100mm.
5. Structural Concrete in foundations to be to be designated mix FND2. A minimum of 50mm concrete blinding is to be placed under all bar reinforced foundations.
6. Strip foundations to be reinforced with 1 layer A393 mesh in bottom (40mm cover min).
7. All strip foundations to be central under wall U.N.O.
8. All setting out dimensions to be taken from current Architects drawings.
9. Refer to drawing MC0597-101 for general notes and specification.

B	Revised scheme.	MC	Oct '20
A	Wall construction changed to be 100mm inner leaf blockwork.	MC	Jul '20

Rev	Detail	By	Auth	Date
Revisions				

MCSE Ltd

Castlview, 45 Dobcross New Road,
Dobcross, Saddleworth, Oldham, OL3 5AY

T - 01457877980 (New)

M - 07771766691

E - admin@mc-structuralengineers.co.uk
www.sites.google.com/site/wwwmcstructuralengineers.co.uk

Client
UDC Ltd

Project
East Manchester Academy,
Manchester
Proposed Extension

Drawing Title
Sub-Structure G.A.
and Details

Drawing Status
Building Regulations

Project No.		Drawing No.		
MC0597		01		
Scale		Sheet Size	Revision	
1:50, 1:25, 1:10		A1	B	
Date	Drawn	Checked		Auth
June '20	MC			