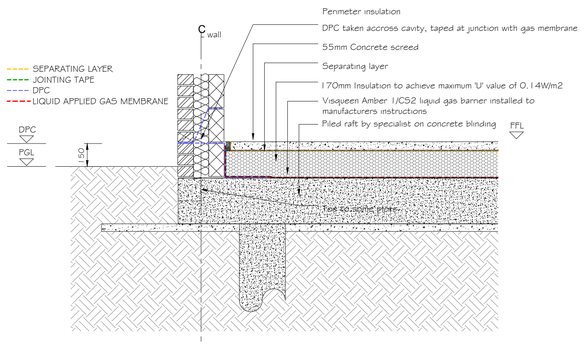
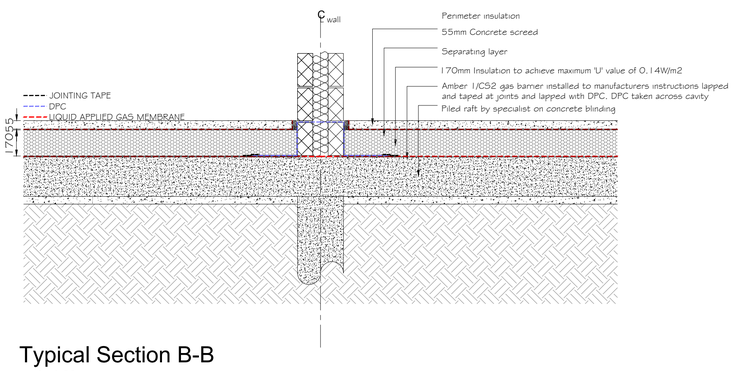
Verification approach - Visual Inspections

- Ground gas precautions to be installed and verified in accordance with Geodyne RMS
- All dwellings to have a well installed and verified low permeability proprietary gas resistant membrane validated by a third party and conforming to the requirements of Table 7 of BS8485 details of which are to be agreed with the local authority.
- Membrane to be installed in accordance with an agreed method statement prepared by the installer.
- The membrane should be suitably lapped and sealed and should be extended across wall cavities and lapped with cavity trays to effectively exclude ground gases from the footprint of the proposed buildings.
- Gas protection measures are to be installed in accordance with the requirements of CIRIA C735 'Good practice on the testing and verification of protection systems for buildings against hazardous ground gas' (2014).
- Gas protection measures are to be installed by a suitably qualified & experienced specialist contractor in a quality controlled/quality assured manner.
- Membrane to be suitably robust to withstand construction process and should be suitably protected following installation and inspection to minimise damage.
- Installed gas protection measures should be visually checked and verified by the installer and an appropriate third party.
- The verifier should check adherence to the agreed specification and visually inspect key areas, such as membrane integrity, seals at pipe penetrations and corner details.
- Defects must be corrected and works rechecked before final 'sign-off' reporting.
- All reports should include the materials used, visual inspection of the joints, visual inspection of the seals around penetrations, records of any deviation from the construction drawings, records of any non-compliance and corrective action taken, the verifier's signature and photographs as supporting evidence.



Typical Section A-A
scale 1:20



Typical Section B-B
scale 1:20

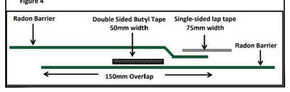


ALL WORKS IS TO BE IN STRICT ACCORDANCE WITH SPECIALIST MANUFACTURERS RECOMMENDATIONS AND INSTRUCTIONS.

IN ALL CIRCUMSTANCES, THE MEMBRANE SHOULD BE PROTECTED AS SOON AS POSSIBLE AFTER VERIFICATION TO PREVENT FUTURE DAMAGE



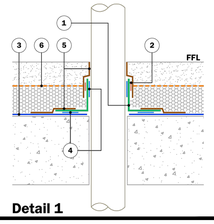
Figure 4





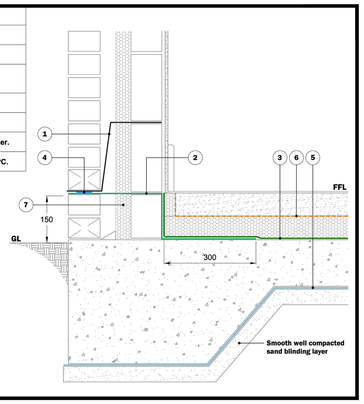


KEY TO MATERIALS :-	
1	Visqueen Ultimate Preformed Top Hat.
2	Jubilee clip.
3	Visqueen Gas Barrier.
4	Visqueen Double Sided Tape.
5	Visqueen Gas Resistant Foil Tape.
6	Visqueen Vapour Barrier or HP Vapour Barrier.
7	Visqueen TreadGUARD 1500.



Detail 1

KEY TO MATERIALS :-	
1	Visqueen Zedex CPT DPC.
2	Visqueen GR DPC.
3	Visqueen GR SAM on Visqueen HP Tanking Primer.
4	Visqueen Double Sided Tape (10m x 50mm).
5	Visqueen EcoMembrane 300um DPM.
6	Visqueen Vapour Barrier or HP Vapour Barrier.
7	Rigid insulation by others to support gas DPC.



Ground Gas Regime: Characteristic Situation CS2

- Elevated methane concentration of 32.1% and carbon dioxide concentrations of 5.6% by volume recorded.
- Gas protection measures required for the whole site.
- Minimum gas protection score for the site is 3.5 points (Table 4 of BS 8485:2015)
- The predicted points score under Table 7 of BS 8485:2015 is
  - Structural Slab - 1.5 points
  - Gas membrane on top of slab - 2.0 points

Rev.	Date	Description

ASHWOOD HOMES

1 Goodison Road, Lincs Gateway Business Park, Spalding, Lincs, PE12 6FY **T: 01406 490590**

PROJECT:
Proposed Residential Development at High Road, Weston

DRAWING:
Gas Membrane Details

SCALE: 1:500@A1 DRAWN: JE

DATE: MAY.2022 REVISION: /

DRAWING No: 131-GMD-01