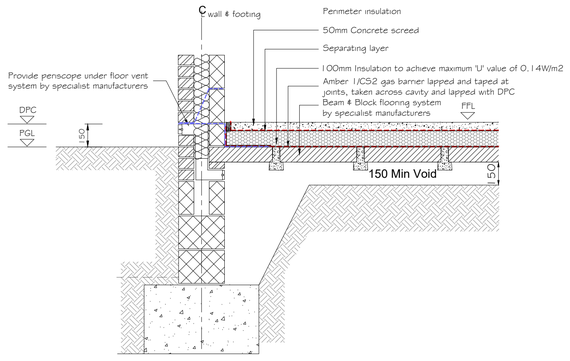
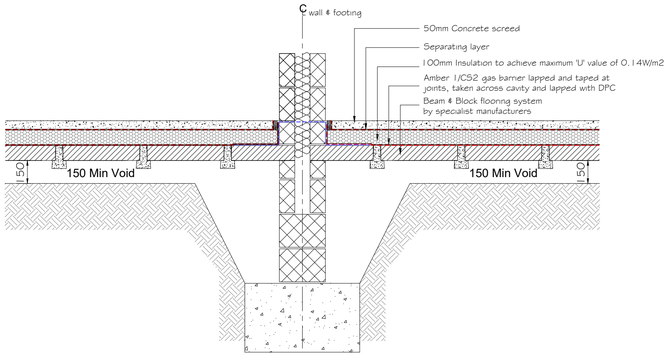
Verification approach - Visual Inspections

- 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 Strip Section A-A
scale 1:20

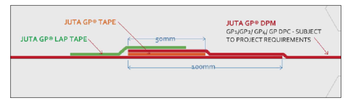


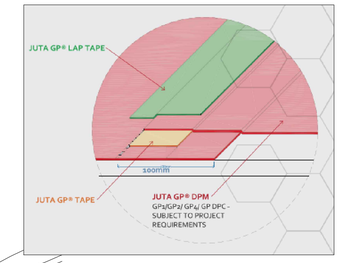
Typical Strip Section B-B
scale 1:20

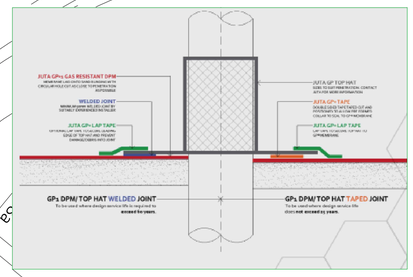


ALL WORKS IS TO BE IN STRICT ACCORDANCE WITH SPECIALIST MANUFACTURERS RECOMMENDATIONS AND INSTRUCTIONS.

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







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
  - 150mm Ventilated Void with periscopic vents providing sub-floor ventilation - 1.5 points
  - Gas membrane on top of precast units - 2.0 points

GAS MEMBRANE

JUTA GP1 Gas Membrane to be installed in accordance with manufacturers details.

Rev.	Date	Description
B	06.07.2022	Gas Membrane Details Updated and Spec Added
A	06.06.2022	Sections updated

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: B

DRAWING No: 131-GMD-01