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GAS MEMBRANE VALIDATION

Site: Bowes Street	
Date: 26-11-2020	Project Number: 11-813
Project Manager: R. Horseman	E3P Engineer: M. Whittaker
Ground Gas Risk Assessment: Characteristic Situation 2 / Amber 1	
Overview: The membrane comprised Visqueen GX DPC wrapped under slab and spanned across internal and external walls which was taped to VOC block with GX jointing tape. E3P can confirm there were no punctures or tears at the time of inspection. Upon being laid the membrane was covered with a Celotex (closed Cell) floor insulation material which is considered to provide a high degree of protection. All external joints were inspected and E3P can confirm that the membrane was overlapped and double taped to external and internal gas resistant GX DPM. The membrane was taped to the gas resistant VOC Block DPM using a double-sided jointing tape. All the overlaps were then additionally taped using foil backed girth tape. Each unit has a service duct located to the front and outer edge of the property. E3P inspected each one and can confirm that the top hats have been adequately sealed against the membrane. Based on the information provided within this report, the site inspections and validation checklists, E3P can confirm that Plots 7-8 have been installed with gas protection measures in accordance with Characteristic Situation 2 to an acceptable level of workmanship. Based on the information provided within this report, the site inspections and validation checklists, E3P can confirm that Plots 7-8 have been installed with gas protection measures in accordance with Characteristic Situation 2 / Amber 1 to an acceptable level of workmanship.	
Membrane Specification: Hydrocarbon Resistant Membrane (VOC Blok and Visqueen GX)	



Plot – 7

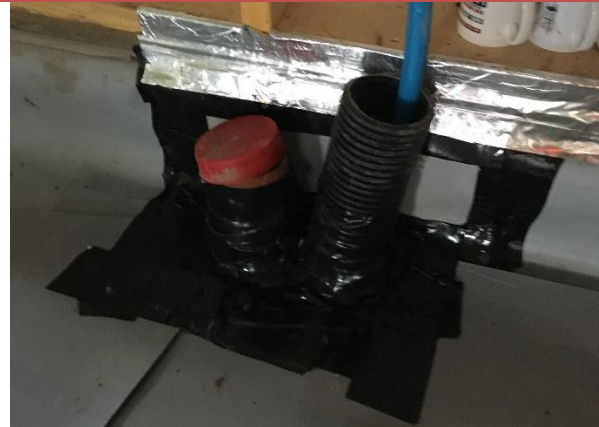
General Condition of Membrane-Good Condition



Verification of Joints and Seals-Good Condition



Verification of Service Penetrations-Good Condition

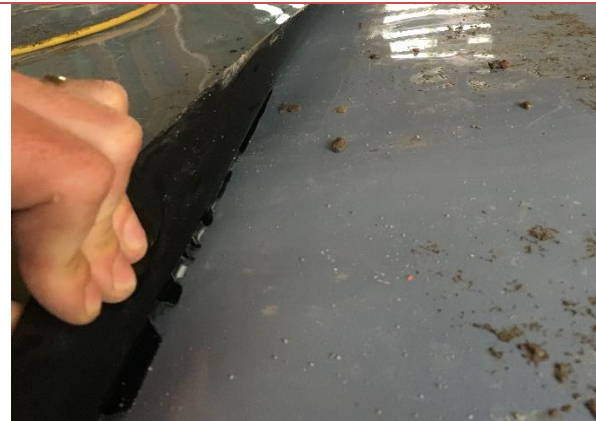


Plot - 8

General Condition of Membrane-Good Condition



Verification of Joints and Seals-Good Condition



Verification of Service Penetrations-Good Condition



Verification of Ventilation- Good Condition





Gas Protection Validation Site Record

Inspection date/time:	26/11/20 18.20	Inspected by:	Mulla Thaler	Photographed:	v1x ✓
Type of development:	LEST	Plot number:	7	Developer:	Eastman

Notes/recommendations	Comments
Membrane Type	VOC BLOT Grey Visqueen 2000g
Extent of Coverage	Full extent internally fixed to damp tray
Underside of Membrane	Block + Beam
Slab / membrane condition (is membrane clear of debris or insulation)	Good Condition
Type of joints	☒ Tape Joint ☒ Welded Joint ☐ Other (please state)
Service entries – Jubilee clips, Top hats installed correctly	Yes
External Wall Air bricks Present?	Yes
Corners inspected?	Yes
Membrane joints inspected has Double –sided butyl tape been used?	Yes
Folds in membrane inspected?	N/A
Has the membrane been installed as per the design detail drawing?	Yes

This Plot has ~~FAILED~~ **PASSED** inspection. (Any proposed remedial works will be noted in the "Remarks" column on this form). An additional inspection visit \$5/IS NOT* required for this Plot.

Inspection by: Mulla Thaler Signed: [Signature]



Gas Protection Validation Site Record

Inspection date/time:	26/11/2010 45	Inspected by:	Mulder	Photographed:	✓/x
Type of development:	REST	Plot number:	8	Developer:	Radson

Notes/recommendations	Comments
Membrane Type	vec Blot Grey
Extent of Coverage	Full extent
Underside of Membrane	Blot + Beam
Slab / membrane condition (is membrane clear of debris or insulation)	Good Condition
Type of joints	☒ Tape Joint ☒ Welded Joint ☐ Other (please state)
Service entries – Jubilee clips, Top hats installed correctly	Yes
External Wall Air bricks Present?	Yes
Corners inspected?	Yes
Membrane joints inspected has Double –sided butyl tape been used?	Yes
Folds in membrane inspected?	Yes N/A
Has the membrane been installed as per the design detail drawing?	Yes

This Plot has ~~FAILED~~ **PASSED** inspection. (Any proposed remedial works will be noted in the "Remarks" column on this form). An additional inspection visit IS/IS NOT* required for this Plot.

Inspection by: *M. Mulder* Signed: *[Signature]*