MEC Environmental Ltd – Blackburn Technology Management Centre -
Challenge Way - Greenbank Technology Park – Blackburn – BB1 5QB

MEC ENVIRONMENTAL LTD

Gas Membrane Installation

Validation Report

Bansco Limited

City Works

Openshaw

Manchester

M11 2NB

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1. INTRODUCTION

1.1 Purpose

ACS Linings are installing a gas protection membrane to the aforementioned site. MEC Environmental Ltd (MEC) has been appointed by ACS Linings to carry out independent validation of the installation of the membrane on the site as per our terms of engagement. The frequency of independent inspections has been determined by the client, comprehensive CQA should be forwarded by the installer to cover any data gaps for areas that have not been subjected to independent inspections.

The **SOLE** purpose of the works undertaken by MEC Environmental is to provide independent inspections and a factual report as and when requested to assist the client in gaining regulatory approval with regards to the gas membrane installation. This is as per the scope of work section within our term's engagement.

1.2 Limitations

This report is limited to providing lines of evidence to the regulatory authority for the areas components inspected by MEC only in support of the discharging of the relevant planning conditions only and cannot be used or relied upon for any other purpose. No professional liability shall be extended to any other parties by MEC, the report should explicitly not be relied on by any future vendor or tenant as proof that the gas protection measures are sufficient for the site and functioning at the time of purchase or start of any tenancy. Gas protection systems are not solely reliant on the gas membrane as points are scored under BS8485 for the floor slab, membrane and venting, these components work collaboratively to provide a gas protection system. This is as per the conditions within our term's engagement.

The report has been provided on the assumption that no damage or works that may have compromised the components and integrity of the gas membrane have been made after our inspections, failure to report any such occurrences will invalidate any liability and render the report and contents invalid. This is as per the conditions within our term's engagement.

This report has been prepared in accordance with the best available practice and the relevant guidance documents listed below of which the author of the report was a contributor and member of the steering committees:

Mallett H, Wilson S, Corban M (2014) "Good practice on the testing and verification of protection systems for buildings against hazardous ground gases". CIRIA Report C735

1.3 Compliance with Regulation 7 of Building Regulations

Regulation 7 of the building regulations requires that building work shall be carried out in a workmanlike manner. Approved document 7 suggests installation can comply with the regulation if workmanship is such that, where relevant, materials are adequately mixed or prepared and applied, used or fixed so as to perform adequately the functions for which they are intended.

A reasonable standard may be demonstrated by:

Compliance with a standard and independent certification - The relevant standard for gas protection measures is BS8485:2015 +A1:2019, Table 7 of the standard requires that gas membranes are verified as per CIRIA C735.

Past experience – The installers qualifications are checked by MEC Environmental to ensure that the installation supervisor holds the NVQ Level 2 in gas membrane installations.

Integrity Testing methods. – are carried out as prescribed in CIRIA C735, unless stated elsewhere Frequency of Visits – MEC have not been employed to prepare a validation plan for this project, the frequency of visits is as per the instructions of the client, in essence MEC inspected the available membrane that could be inspected each time an inspection visit was requested. The area inspected on each visit is noted on the survey sheets in appendix 1. This report should be read in conjunction with the installers CQA report.

1.4 Method of Inspection (Per Visit)

All seams and non-seam areas of the available gas membrane were inspected/tested by the Validation Surveyor for identification of defects, protruding and penetrating objects, lack of subgrade support, overheating, holes, blisters, undispersed raw materials, scratches and gouges, and any sign of contamination by foreign matter.

Any portion of the gas membrane exhibiting a flaw or failing a visual inspection/testing was repaired. Several procedures exist for the repair of these areas. The final decision as to the appropriate repair procedure was agreed upon between the Validation Consultant and the Installer at the time of the repair and is noted in the survey sheets.

Major repairs are visually inspected/tested, repairs passing the inspection/testing were considered acceptable. In some cases minor repairs maybe carried out under contractor CQA and photographic evidence supplied to the verifier for inclusion in the report.

1.5 MEC Staff Competency

All site inspections have been carried out by suitably qualified staff as defined in CIRIA C735, the qualification held by all MEC inspection surveyors is either the NVQ Level 4 in gas protection verification or the NVQ Level 2 in gas membrane installation

The author of this report is also a CL:AIRE accredited Specialist in Gas Protection Verification (SGPV) and holds both the NVQ Level 2 in gas membrane installation and the NVQ Level 4 in gas protection verification.

1.6 Conclusion

During our inspections to the areas denoted in Appendix 1 (Site Surveys Sheets) we witnessed the installer carrying out the installation in a workmanlike manner, the materials were adequately prepared and applied, used and fixed so as to perform adequately the functions for which they are intended as per Regulation 7 of the building regulations. In instances were 100% of the installation has not been independently inspected/tested then this report should be read in conjunction with the gas membrane installers CQA records.

The installers all hold the NVQ Level 2 “Gas membrane Installations” qualification and as such are classed as a qualified and experienced installer. MEC Environmental have checked the CSCS Trade Cards of the installers, which confirms the holder has attained the qualification.

Signed [redacted] Date: 01/04/2026

Michael Corban S.G.P.V.
Director
MEC Environmental Ltd

Appendix 1 – Site Survey Sheets

Main Contractor Name: Bansco Limited	**Date: 14/01/2026**
Site Name: City Works. Openshaw. Manchester. M11 2NB	**Temp:** 1 **ºC**
	Installer: ACS Linings
Postcode: M11 2NB	**Surveyor:** Dan Squire (TGPV) (NVQ 4)
Building Reference/Unit No:	Unit 4
Area Inspected:	Laser screed installation Gridlines A-G / 1-5. See Marked Up Plan
Description of Works:	MEC Environmental carried out a thorough inspection of the gas membrane. ACS gas membrane is lined upon a compact aggregate substrate which is continuously rolled ahead of the membrane installation. HS butyl tape has been used on all membrane lap joints and termination detail to the perimeter cladding rail. Juta GP SAM is used to detail all pipe and stanchion detailing. A restricted inspection was carried out to the perimeter and stanchion detailing due to insulation and miothene being installed respectively prior to the inspection. MEC could not obtain photographic evidence of the Juta GP SAM.
Sub-Grade Preparation:	The subgrade consists of graded coarse aggregrate down to dust that has been well rolled and compacted and is acceptable to lay the membrane on
Result of Inspection:	No Action Required all Defects rectified at time of inspection

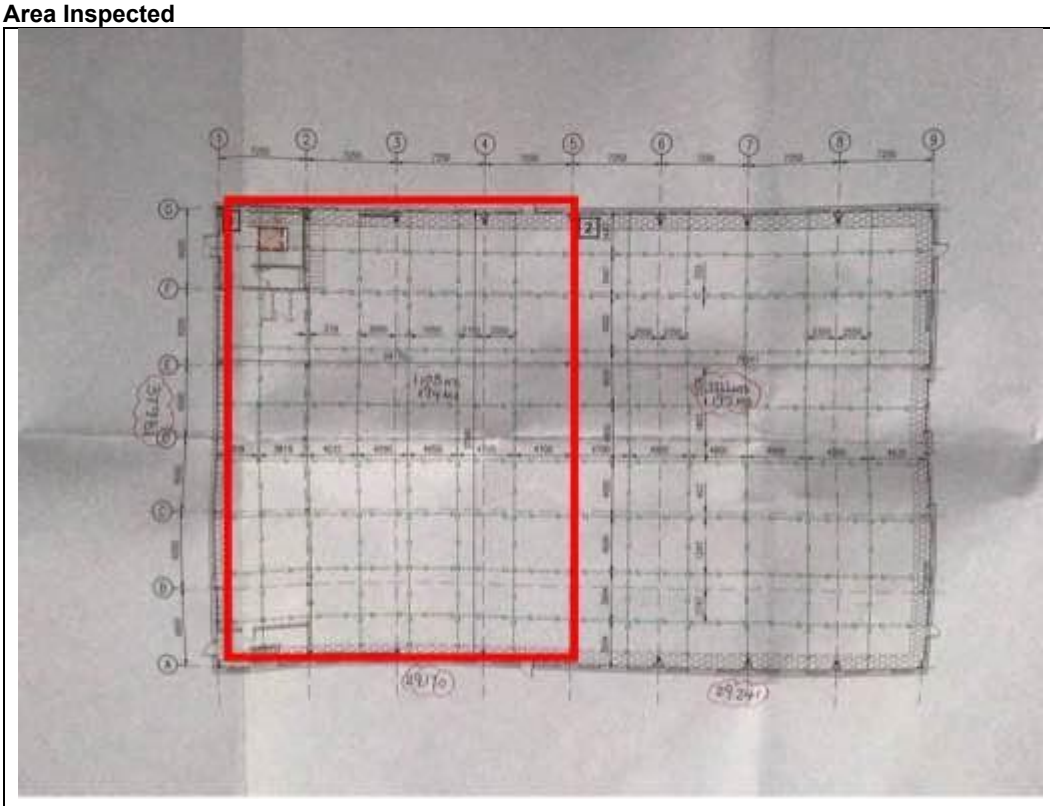
(Section 1, Materials and Method of Seal)
Gas Membrane Name: ACS gas membrane
Other Products Used: HS butyl tape & Juta GP SAM
Perimeter Seal Method: The membrane has been sealed to the cladding rail with double sided butly tape, The perimeter membrane has been covered with follow on materials which resrtricted the inspection to this area
Service Entry Seal Method: The external of the pipe/ducts have been sealed using strips of self-adhesive gas membrane, this is an approved and recognised method in CIRIA C735
Stanchion Seal Method: The stanchions has been wrapped in miothenes which resrtricted the inspection to this area, The stanchions have been sealed using strips of self-adhesive gas membrane, this is an approved and recognised method in CIRIA C735
Material Jointing Method: The membrane has been overlapped sufficiently to achieve a sound joint, the joint is clean and dry and has been joined by means of double sided tape, the width of the tape is a minimum of 30mm.
Others Please List: N/A

(Section 2, Testing and Inspection Method)	
Leak/Hole Detection	MEC Environmental Ltd carried out a thorough Visual Inspection to the available area at the time of our inspection
Joint Testing	The surveyor carried out Probe testing as per the method prescribed in ASTM D4437 to all detailing work, detailing work is defined as any part of the installation that includes a joint in the

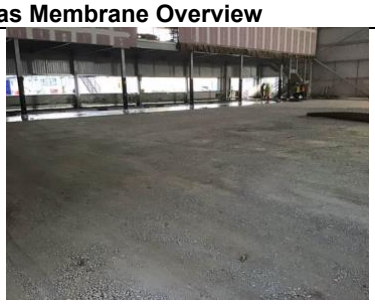
	membrane, this includes but is not limited to pipes/ducts, stanchions, wind posts, braces, field seams, masonry abutments, tanking, door thresholds and the like

(Section 3, Defects List)	Action Required
1no recorded defect was repaired by the installers during the inspection using Juta GP SAM	No Action Required all Defects rectified at time of inspection

Area Inspected



Gas Membrane Overview



Pour area overview

Subgrade Photos



Substrate prep

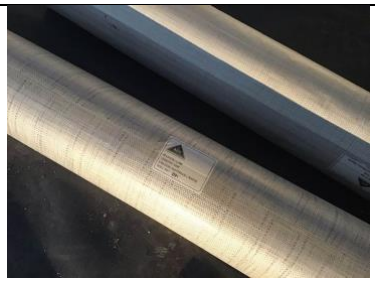


Substrate prep

Materials Used

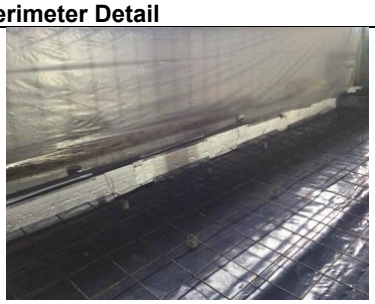


HS butyl tape

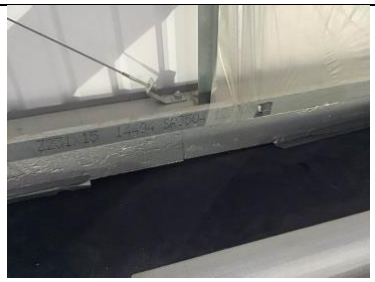


ACS gas membrane

Perimeter Detail



Restricted perimeter detailing



Restricted perimeter detailing



Restricted perimeter detailing

Pipe and Duct Seals

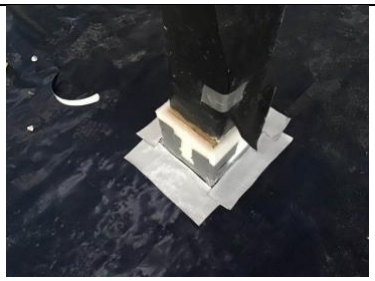


Pipe detail testing



Pipe detailing

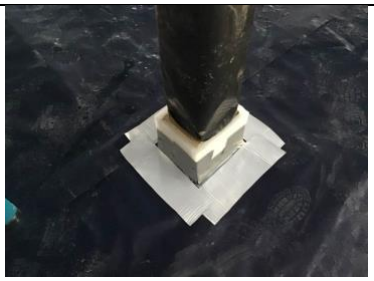
Stanchions and Columns Seals



Restricted stanchion detailing



Testing the visible areas around the stanchions



Restricted stanchion detailing

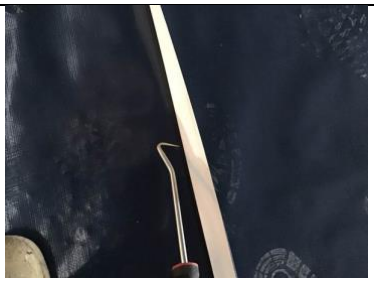
Testing of Joints



Butyl tape applied to the membrane



Taped lap joint testing



Taped lap joint testing

Additional Photos



Recorded defect



Defect repair



Vehicles keeping off the mesh above the membrane

Main Contractor Name: Bansco Limited	**Date: 15/01/2026**
Site Name: City Works. Openshaw. Manchester	**Temp:** 6 **ºC**
	Installer: ACS Linings

Postcode: M11 2NB	**Surveyor:** Dan Squire (TGPV) (NVQ 4)
Building Reference/Unit No:	Unit 4
Area Inspected:	Laser screed installation. Gridlines A-G / 5-9 See Marked Up Plan
Description of Works:	MEC Environmental carried out a thorough inspection of the gas membrane. ACS gas membrane is lined upon a compact aggregate substrate which is continuously rolled ahead of the membrane installation. HS butyl tape has been used on all membrane lap joints and termination detail to the perimeter cladding rail. Juta GP SAM is used to detail all pipe and stanchion detailing. Shuttering pin holes have been repaired using Juta GP SAM
Sub-Grade Preparation:	The subgrade consists of graded coarse aggregrate down to dust that has been well rolled and compacted and is acceptable to lay the membrane on
Result of Inspection:	No Action Required all Defects rectified at time of inspection

(Section 1, Materials and Method of Seal)

Gas Membrane Name: ACS gas membrane

Other Products Used: Juta GP SAM & HS butyl tape

Perimeter Seal Method: The membrane has been sealed to the cladding rail with double sided butly tape

Service Entry Seal Method: The external of the pipe/ducts have been sealed using strips of self-adhesive gas membrane, this is an approved and recognised method in CIRIA C735

Stanchion Seal Method: The stanchions have been sealed using strips of self-adhesive gas membrane, this is an approved and recognised method in CIRIA C735

Material Jointing Method: The membrane has been overlapped sufficiently to achieve a sound joint, the joint is clean and dry and has been joined by means of double sided tape, the width of the tape is a minimum of 30mm.

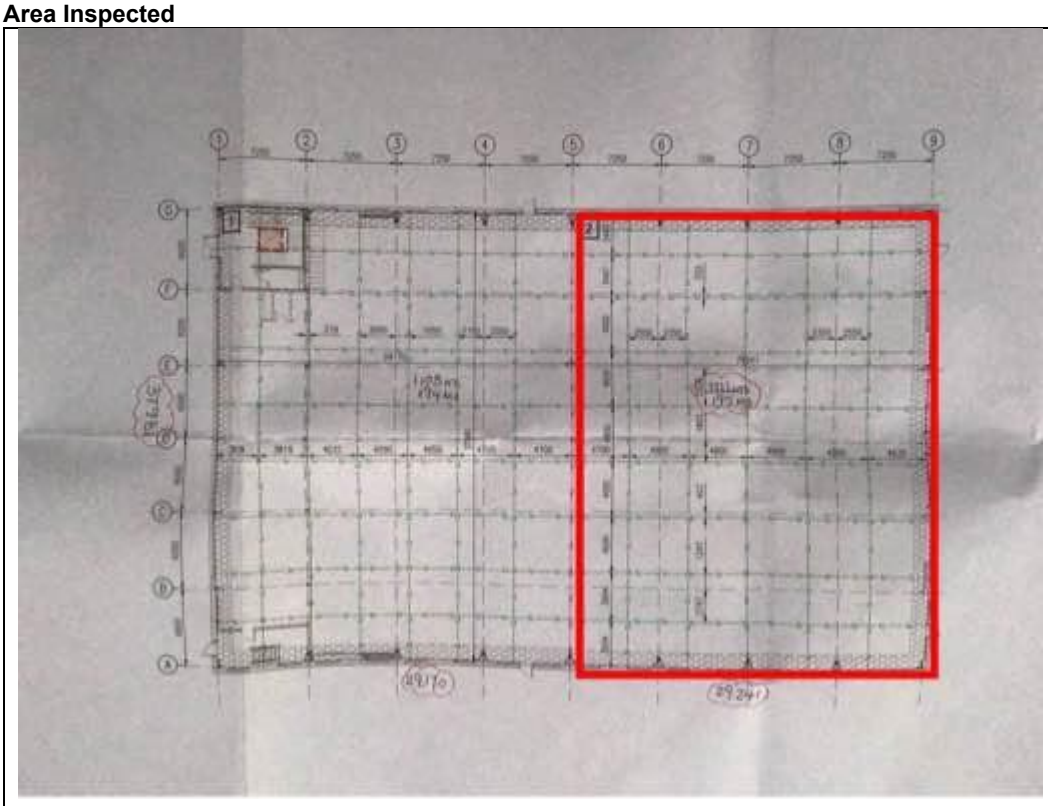
Others Please List: N/A

(Section 2, Testing and Inspection Method)

Leak/Hole Detection	MEC Environmental Ltd carried out a thorough Visual Inspection to the available area at the time of our inspection
Joint Testing	The surveyor carried out Probe testing as per the method prescribed in ASTM D4437 to all detailing work, detailing work is defined as any part of the installation that includes a joint in the membrane, this includes but is not limited to pipes/ducts, stanchions, wind posts, braces, field seams, masonry abutments, tanking, door thresholds and the like

(Section 3, Defects List)	**Action Required**
2no recorded defects were repaired by the installers during the inspection using Juta GP SAM	No Action Required all Defects rectified at time of inspection

Area Inspected



Gas Membrane Overview

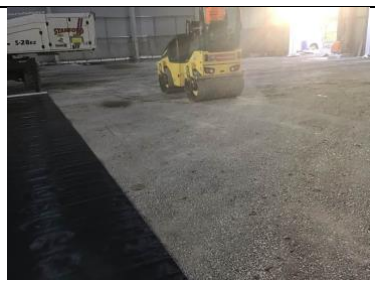


Pour area overview

Subgrade Photos



Substrate prep



Rolled substrate ahead of the membrane installation

Materials Used



Juta GP SAM



ACS gas membrane



HS butyl tape

Perimeter Detail



Perimeter detailing



Perimeter detail testing



Perimeter detailing

Pipe and Duct Seals

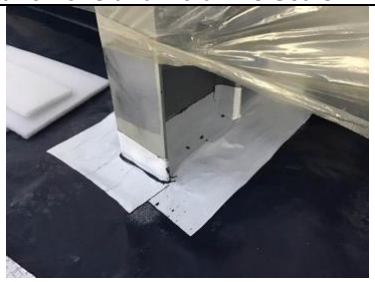


Pipe detailing



Pipe detail testing

Stanchions and Columns Seals



Stanchion detailing



Stanchion detailing

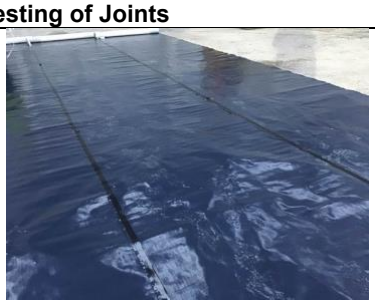


Stanchion detailing



Stanchion detail testing

Testing of Joints



Butyl tape applied to the membrane

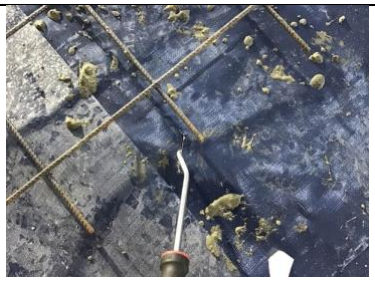


Taped lap joint testing



Taped lap joint testing

Additional Photos



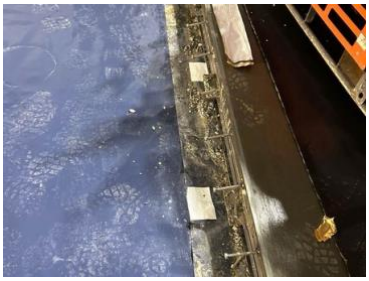
Recorded defect



Defect repair



Pin hole repairs



Pin hole repairs



Vehicles keeping off the mesh above the membrane

Main Contractor Name: Bansco LTD	**Date: 25/02/2026**
Site Name: City Works. Openshaw. Manchester	**Temp:** 9 **ºC**
	Installer: ACS Linings

Postcode: M11 2NB	**Surveyor:** Dan Squire (TGPV) (NVQ 4)
Building Reference/Unit No:	Unit 3
Area Inspected:	Laser screed installation. Gridlines A-G / 1-7
Description of Works:	MEC Environmental carried out a thorough inspection of the gas membrane. ACS gas membrane is lined upon a compact aggregate substrate which is continuously rolled ahead of the membrane installation. Insulation is installed prior to the membrane around the perimeter edge. Membrane is installed 3.2 meters at a time ahead of the concrete pour. HS butyl tape has been used on all membrane lap joints and the termination detail to the perimeter cladding rail. Juta GP SAM is used to detail the base of the stairs, all pipe penetrations and stanchion detailing. Some stanchions and the stair base were a restricted inspection due to miothene being installed by site. The was no Juta GP SAM packaging on site for MEC to obtain photographic evidence.
Sub-Grade Preparation:	The subgrade consists of graded coarse aggregrate down to dust that has been well rolled and compacted and is acceptable to lay the membrane on
Result of Inspection:	During our inspection some minor defects were observed (see photo section) these have been repaired to a satisfactory standard and no further remedial works are required.

(Section 1, Materials and Method of Seal)

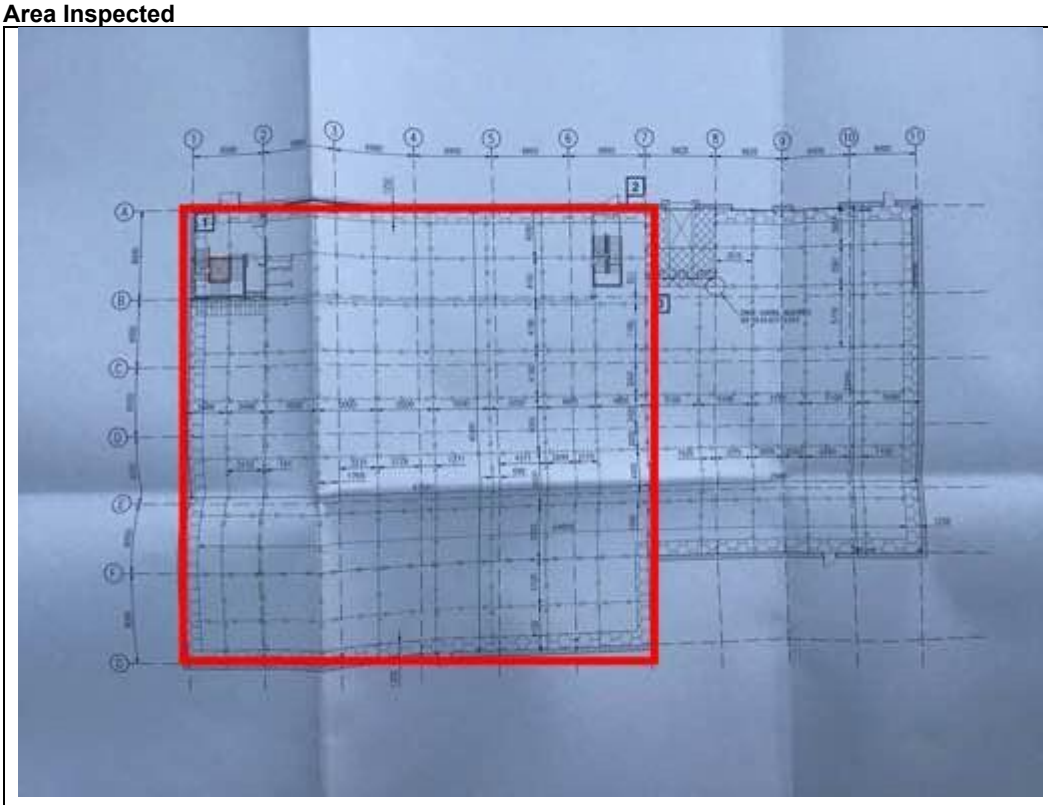
Gas Membrane Name: ACS gas membrane
Other Products Used: Juta GP SAM & HS Butyl Tape
Perimeter Seal Method: The membrane has been sealed to the cladding rail with double sided butly tape
Service Entry Seal Method: The external of the pipe/ducts have been sealed using strips of self-adhesive gas membrane, this is an approved and recognised method in CIRIA C735
Stanchion Seal Method: The stanchions has been wrapped in miothenes which resrtricted the inspection to this area, The stanchions have been sealed using strips of self-adhesive gas membrane, this is an approved and recognised method in CIRIA C735
Material Jointing Method: The membrane has been overlapped sufficiently to achieve a sound joint, the joint is clean and dry and has been joined by means of double sided tape, the width of the tape is a minimum of 30mm.
Others Please List: Retro fit to stair base using Juta GP SAM

(Section 2, Testing and Inspection Method)

Leak/Hole Detection	MEC Environmental Ltd carried out a thorough Visual Inspection to the available area at the time of our inspection
Joint Testing	The surveyor carried out Probe testing as per the method prescribed in ASTM D4437 to all detailing work, detailing work is defined as any part of the installation that includes a joint in the membrane, this includes but is not limited to pipes/ducts, stanchions, wind posts, braces, field seams, masonry abutments, tanking, door thresholds and the like

(Section 3, Defects List)	Action Required
During the inspection, the installers repaired 1no recorded defect using Juta GP SAM.	See Comments

Area Inspected



Gas Membrane Overview



Pour area overview

Subgrade Photos

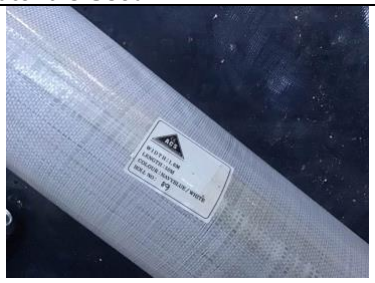


Substrate roller prep ahead of the membrane



Insulation installed around the perimeter

Materials Used

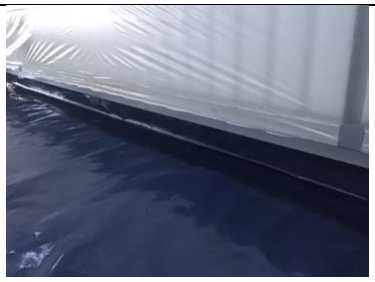


ACS gas membrane

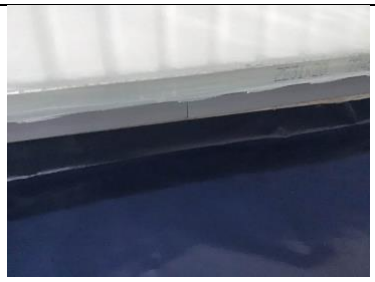


HS Butyl Tape

Perimeter Detail



Perimeter detailing



Perimeter detailing



Perimeter detail testing



Perimeter detailing

Pipe and Duct Seals



Pipe detailing



Pipe detailing

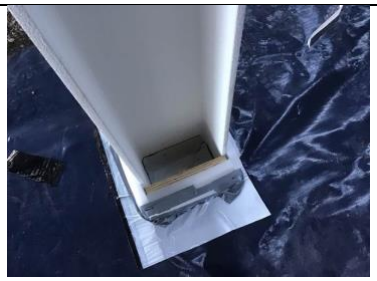


Pipe detail testing

Stanchions and Columns Seals



Stanchion detailing



Stanchion detailing



Stanchion detailing



Stanchion detail testing

Testing of Joints



Membrane lap joint testing



Membrane lap joint testing



Double sided butyl tape applied to the membrane

Additional Photos



Restricted inspection of stair base detailing



Recorded defect



Defect repair



Vehicles keeping off the mesh above the membrane

Main Contractor Name: Bansco LTD	**Date: 26/02/2026**
Site Name: City Works. Openshaw. Manchester	**Temp:** 10 **ºC**
	Installer: ACS Linings

Postcode: M11 2NB	**Surveyor:** Dan Squire (TGPV) (NVQ 4)
Building Reference/Unit No:	Unit 3
Area Inspected:	Laser screed installation. Gridlines A-F / 7-11
Description of Works:	MEC Environmental carried out a thorough inspection of the gas membrane. ACS gas membrane is lined upon a compact aggregate substrate which is continuously rolled ahead of the membrane installation. Insulation is installed prior to the membrane around the perimeter edge. Membrane is installed 3.2 meters at a time ahead of the concrete pour. HS butyl tape has been used on all membrane lap joints and the termination detail to the perimeter cladding rail. Juta GP SAM is used to detail all pipe penetrations and stanchion detailing. Some stanchions were a restricted inspection due to miothene being installed by site. There was no Juta GP SAM packaging on site for MEC to obtain photographic evidence.
Sub-Grade Preparation:	The subgrade consists of graded coarse aggregrate down to dust that has been well rolled and compacted and is acceptable to lay the membrane on
Result of Inspection:	During our inspection no defects were recorded.

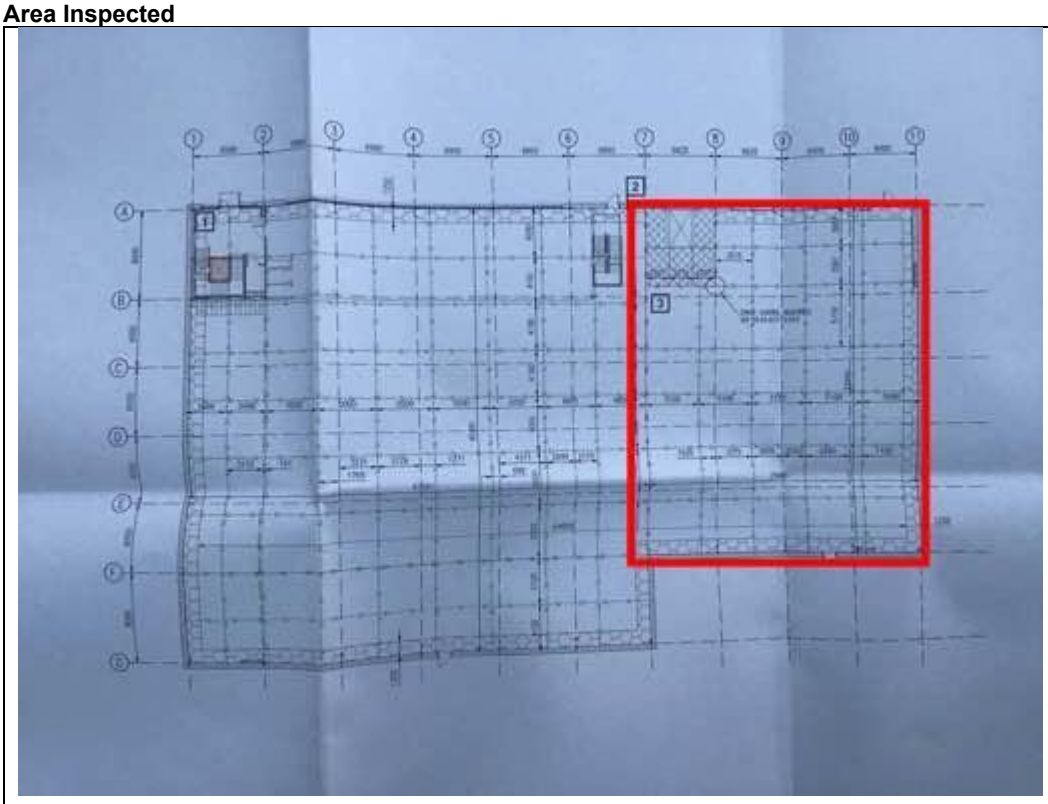
(Section 1, Materials and Method of Seal)
Gas Membrane Name: ACS gas membrane
Other Products Used: Juta GP SAM & HS Butyl Tape
Perimeter Seal Method: The membrane has been sealed to the cladding rail with double sided butly tape
Service Entry Seal Method: The external of the pipe/ducts have been sealed using strips of self-adhesive gas membrane, this is an approved and recognised method in CIRIA C735
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Material Jointing Method: The membrane has been overlapped sufficiently to achieve a sound joint, the joint is clean and dry and has been joined by means of double sided tape, the width of the tape is a minimum of 30mm.
Others Please List: N/A

(Section 2, Testing and Inspection Method)	
Leak/Hole Detection	MEC Environmental Ltd carried out a thorough Visual Inspection to the available area at the time of our inspection
Joint Testing	The surveyor carried out Probe testing as per the method prescribed in ASTM D4437 to all detailing work, detailing work is defined as any part of the installation that includes a joint in the membrane, this includes but is not limited to pipes/ducts, stanchions, wind posts, braces, field seams, masonry abutments, tanking, door thresholds and the like

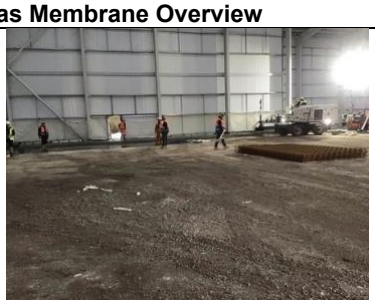
(Section 3, Defects List)	**Action Required**

During the inspection installers repaired all shuttering pin holes from the previous pour using Juta GP SAM. No further defects recorded.	See Comments

Area Inspected



Gas Membrane Overview



Pour area overview

Subgrade Photos



Substrate roller prep ahead of the membrane



Insulation installed around the perimeter



Substrate roller prep ahead of the membrane

Materials Used



ACS gas membrane



HS Butyl Tape

Perimeter Detail



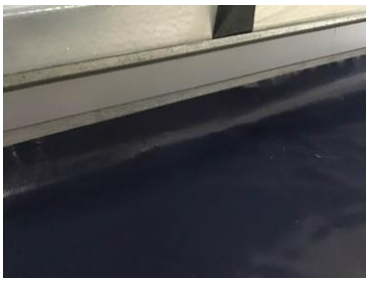
Perimeter detail testing



Pipe detailing



Pipe detailing



Pipe detailing

Pipe and Duct Seals

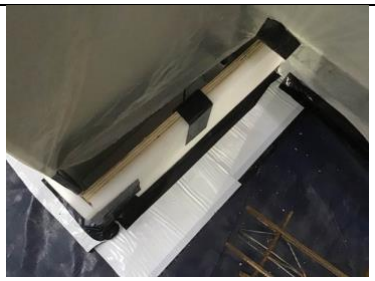


Pipe detailing



Pipe detail testing

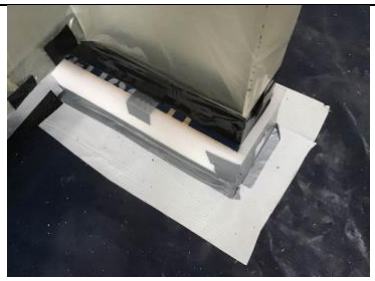
Stanchions and Columns Seals



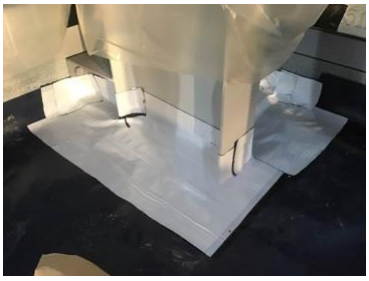
Stanchion detailing



Stanchion detailing



Stanchion detailing



Stanchion detailing

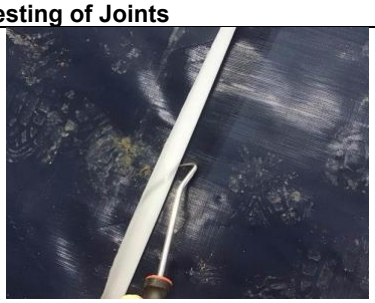


Stanchion detailing



Stanchion detail testing

Testing of Joints



Membrane lap joint testing



Membrane lap joint testing



Double sided butyl tape applied to the membrane

Additional Photos



Vehicles keeping off the mesh above the membrane



Shutter pin patch repairs



Shutter pin patch repairs

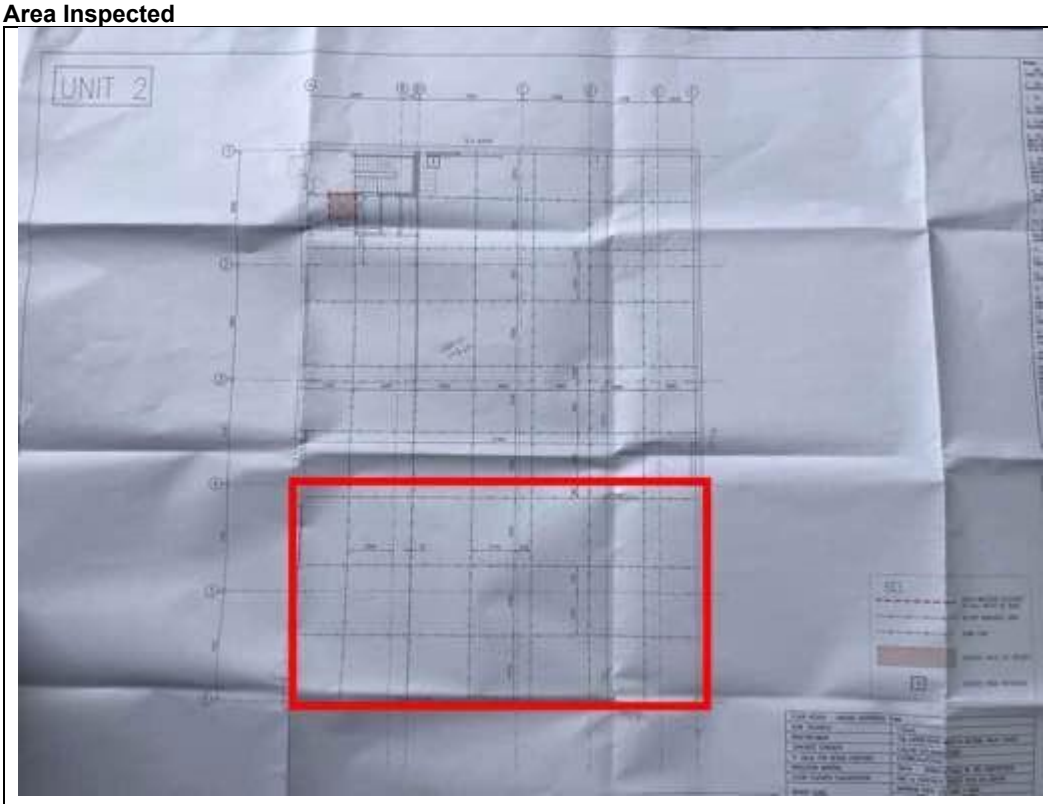


Shutter pin patch repairs

Main Contractor Name: Bansco Limited		**Date: 31/03/2026**
Site Name: Units 1-4. City Works. Openshaw. Manchester		**Temp:** 12 **ºC**
		Installer: ACS Linings
Postcode: M11 2NB	**Surveyor:** Dan Squire (TGPV) (NVQ 4)	
Building Reference/Unit No:	Unit 2	
Area Inspected:	Full line out installation Gridlines 4-6 / A-F	
Description of Works:	MEC Environmental carried out a thorough inspection of the gas membrane installed to the denoted areas. The remainder of the building was covered prior to the inspection with insulation and steel mesh. All membrane lap joints have been joined using HS butyl tape. HS butyl tape is also used to join the membrane to the perimeter edge. The perimeter detailing was restricted in areas due to site installing insulation around the perimeter prior to the inspection. All stanchions have been detailed using Juta GP SAM with heat applied.	
Sub-Grade Preparation:	The subgrade had already been covered prior to our inspection and therefore has not been inspected by MEC Environmental	
Result of Inspection:	During our inspection no defects were recorded	
(Section 1, Materials and Method of Seal)		
Gas Membrane Name: Juta GP1 gas barrier membrane		
Other Products Used: Juta GP SAM		
Perimeter Seal Method: The perimeter membrane has been covered with follow on materials which resrtricted the inspection to this area, The membrane has been sealed to the cladding rail with double sided butly tape		
Service Entry Seal Method: Not Applicable		
Stanchion Seal Method: The stanchions have been sealed using strips of self-adhesive gas membrane, this is an approved and recognised method in CIRIA C735		
Material Jointing Method: The membrane has been overlapped sufficiently to achieve a sound joint, the joint is clean and dry and has been joined by means of double sided tape, the width of the tape is a minimum of 30mm.		
Others Please List: N/A		
(Section 2, Testing and Inspection Method)		
Leak/Hole Detection	MEC Environmental Ltd carried out a thorough Visual Inspection to the available area at the time of our inspection	
Joint Testing	The surveyor carried out Probe testing as per the method prescribed in ASTM D4437 to all detailing work, detailing work is defined as any part of the installation that includes a joint in the membrane, this includes but is not limited to pipes/ducts, stanchions, wind posts, braces, field seams, masonry abutments, tanking, door thresholds and the like	
(Section 3, Defects List)		**Action Required**

No recorded defects	See Comments

Area Inspected



Gas Membrane Overview



Overview of completed works inspected

Subgrade Photos

Materials Used

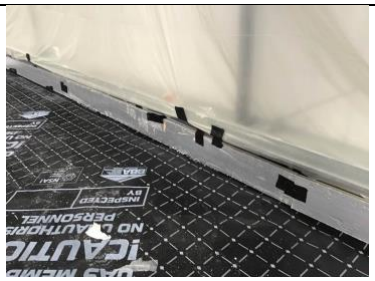


Juta GP SAM

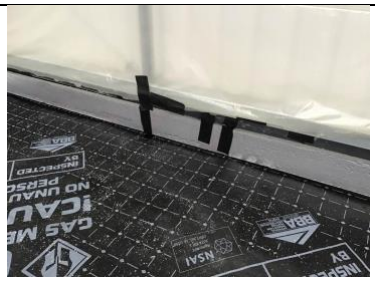


HS butyl tape

Perimeter Detail



Restricted inspection of the perimeter detailing



Restricted inspection of the perimeter detailing



Perimeter detailing



Perimeter detail testing



Perimeter detailing

Pipe and Duct Seals

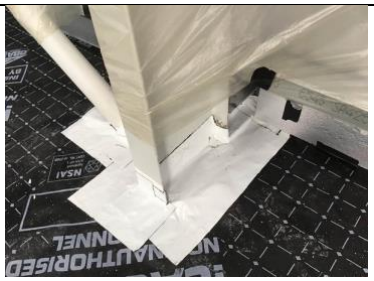
Stanchions and Columns Seals



Stanchion detailing



Stanchion detailing

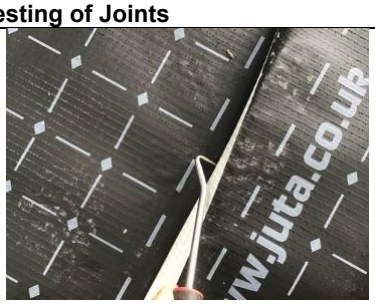


Stanchion detailing

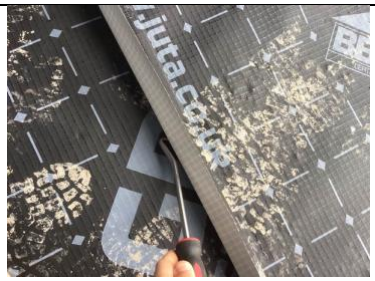


Stanchion detail testing

Testing of Joints



Taped lap joint testing



Taped lap joint testing

Additional Photos



Insulation installed after inspection of the membrane

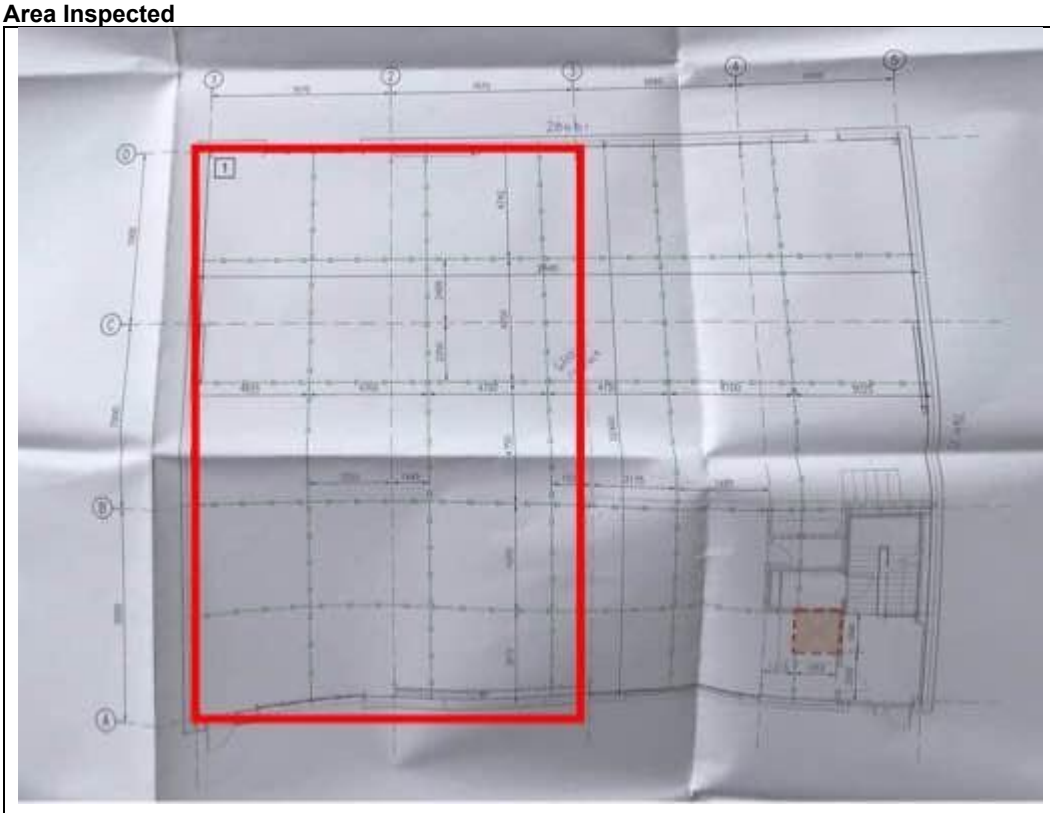


Area not inspected by MEC due to the membrane being covered by follow on trades

Main Contractor Name: Bansco Limited		**Date: 01/04/2026**
Site Name: Units 1-4. City Works. Openshaw. Manchester		**Temp:** 13 **ºC**
		Installer: ACS Linings
Postcode: M11 2NB	**Surveyor:** Dan Squire (TGPV) (NVQ 4)	
Building Reference/Unit No:	Unit 1	
Area Inspected:	Full line out installation. Gridlines A-D / 1-3	
Description of Works:	MEC Environmental carried out a thorough inspection of the gas membrane installed to the denoted areas upon a rolled compact aggregate substrate. The remainder of the building was covered prior to the inspection with insulation and steel mesh. All membrane lap joints have been joined using HS butyl tape. HS butyl tape is also used to join the membrane to the perimeter edge. The perimeter detailing was restricted in areas due to site installing insulation around the perimeter prior to the inspection. All stanchions and pipe penetrations have been detailed using Juta GP SAM with heat applied.	
Sub-Grade Preparation:	The subgrade consists of graded coarse aggregrate down to dust that has been well rolled and compacted and is acceptable to lay the membrane on	
Result of Inspection:	During our inspection no defects were recorded	
(Section 1, Materials and Method of Seal)		
Gas Membrane Name: ACS gas membrane		
Other Products Used: HS butyl tape & Juta GP SAM		
Perimeter Seal Method: The perimeter membrane has been covered with follow on materials which resrtricted the inspection to this area, The membrane has been sealed to the cladding rail with double sided butly tape		
Service Entry Seal Method: The external of the pipe/ducts have been sealed using strips of self-adhesive gas membrane, this is an approved and recognised method in CIRIA C735		
Stanchion Seal Method: The stanchions have been sealed using strips of self-adhesive gas membrane, this is an approved and recognised method in CIRIA C735		
Material Jointing Method: The membrane has been overlapped sufficiently to achieve a sound joint, the joint is clean and dry and has been joined by means of double sided tape, the width of the tape is a minimum of 30mm.		
Others Please List: N/A		
(Section 2, Testing and Inspection Method)		
Leak/Hole Detection	MEC Environmental Ltd carried out a thorough Visual Inspection to the available area at the time of our inspection	
Joint Testing	The surveyor carried out Probe testing as per the method prescribed in ASTM D4437 to all detailing work, detailing work is defined as any part of the installation that includes a joint in the membrane, this includes but is not limited to pipes/ducts, stanchions, wind posts, braces, field seams, masonry abutments, tanking, door thresholds and the like	
(Section 3, Defects List)		**Action Required**

No recorded defects	See Comments

Area Inspected



Gas Membrane Overview



Area of completed works



Alternate overview of competed works

Subgrade Photos



Rolled substrate

Materials Used



ACS membrane



Juta GP SAM



HS butyl tape

Perimeter Detail



Perimeter detailing



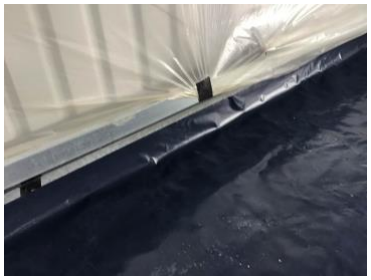
Perimeter detail testing



Perimeter detail testing

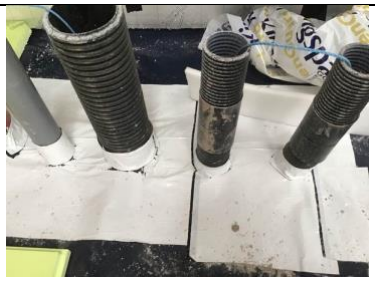


Restricted perimeter detailing



Perimeter detailing

Pipe and Duct Seals



Pipe detailing



Pipe detail testing

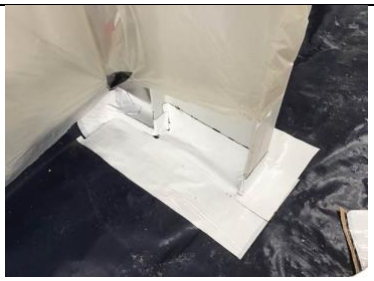
Stanchions and Columns Seals



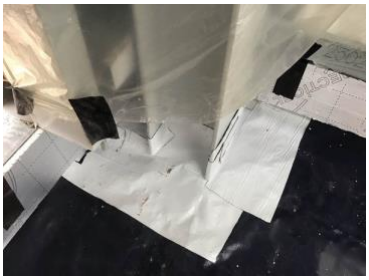
Stanchion detailing



Stanchion detailing



Stanchion detailing



Stanchion detailing

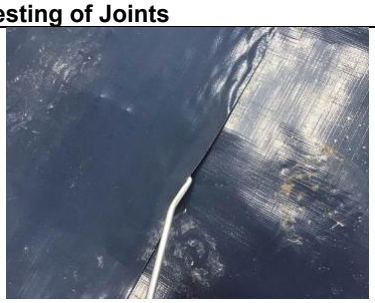


Stanchion detail testing



Stanchion detailing

Testing of Joints



Tape joint testing



Tape joint testing

Additional Photos



Insulation installed after the inspection



Area MEC could not inspect



Butyl tape applied to the membrane