Plate 7 Sealed Penetration – (20/12/2017)



Plate 8 Sealed Penetration - (20/12/2017)



Plate 9 Edge Detailing – (20/12/2017)



APPENDIX III

INSTALLATION METHOD STATEMENT

Method Statement
MCS Group Ltd
Aztek Logistics, Letchworth

Contractors Details:
Keytec Geomembranes Limited, Unit 6 Plover Close, Interchange Park, Newport Pagnell, Bucks MK16 9PS Tele: 01908 617269 Fax:01908 613869 E-Mail info@keytec.co.uk

Project name:	**Project no:**
Aztek Logistics, Letchworth	12851REV

Method Statement Title:
A method statement for the installation of Keytec 400 HP Gas Barrier

Risk Assessment No.
RISKW/12851REV

Method Statement Validity	Start Date	Expiry Date
	11/12/2017	11/01/2018
Revision	Amendment details	
Original	Not applicable	
Checked & approved by:		
Name	**Position**	**Signature**
Geoff Williams	Company Director	

Known Hazards
Dangers arising from setting up site and general site conditions Dangers arising from a lack of communication, information or training The use of hand tools, including powered and cartridge operated tools The use of personal protective equipment (PPE) The storage and disposal of waste materials Back and other musculo-skeletal injuries due to manual handling activities Dangers arising from the misuse of alcohol and drugs

Means of access:		
Locations where work will be carried out	Access equipment required	Details of specialist contractors
Prepared formations	N/a	N/a

Work details:
The supply and installation of Keytec 400 HP gas membrane including top hats sealed to service entries The membrane Keytec 400 HP Gas Barrier, will be unrolled out to the formation, cut to length in strips and placed, overlapping by at least 100mm. The overlap then becomes a seam. Prior to sealing the seam, a sample weld is created and tested using the hand peel test method for strength and integrity. If the sample fails the test, the machine settings will be adjusted and further samples will be created and tested until a quality weld can be produced. Once quality has been achieved, the seams can then be welded. The seams are welded using a 110v Leister Twinny hot air fusion welding machine which combines hot air with roller pressure to create a homogenous single or twin weld seam. Taping using double sided butyl tape may also be required, using a 110v Leister Triac hand held gun and silicon pressure roller. Where clearance prevents the welding an adhesive gas membrane will be used to create a seal, at the discretion of the operative. Pipe penetrations are sealed using preformed top hat sections sealed to the pipe.

Permits to work:
Permits to work will be issued and co-ordinated by; N/a
Permits to work will be required for the following activities; N/a

Supervision:		
Part of job (or all of job)	Supervisor	Contact details
Full installation of gas membrane	Keytec's supervising operative TBC	01908 617 269

Labour requirements:	**Competence cards held:**
Total number of workforce: TBA Specialist skills required; Keytec welding/sealing techniques	CSCS CSWIP SSS

Health and safety monitoring:
The day to day standards of health and safety will be monitored and controlled by; Keytec operatives in conjunction with the site manager/health and safety representative.

Plant inspection and training			
Plant/equipment required	Operator competence required	Inspection/Examination Certificates required	Supplier
Generator	Working knowledge		Keytec

Disconnection/reconnection of services			
Services to be disconnected/reconnected	Disconnection/reconnection carried out by;	Certification that disconnection/reconnection has been carried out by;	Method of locating buried services
N/a			

Hazardous substances:
Will asbestos be disturbed? No If YES or NOT SURE, identify the specialist contractors that will be involved; N/a
The hazardous substances that will be used are; Fuel for generator useage.
The users of hazardous substance will be protected from the harmful effects by; Appropriate PPE to be supplied and work at all times. Fuel to be suitably contained and stored in a safe place.
Air quality sampling will be require during use/disturbance of the following hazardous substance; N/a

Hazardous substances: Refuelling Generators
Appropriate PPE to be supplied and worn at all times, this includes wearing of Gloves & Goggles when refuelling generators. There is always a rick of spillage when refuelling generators. Fuel to be suitably contained and stored in a safe place.
Spill kits must be available. Fuel containers to be clearly labelled to display that Care Must Be Taken.

Occupational health assessments:		
Activities requiring health assessment	Substance Involved	Name(s)of worker(s) involved
N/a		

Personal protective equipment (PPE):		
PPE that will require specialist training:	Training arranged by:	Training carried out by:
Standard PPE of hard hat, boots, gloves and hi-viz vest/jacket will be worn at all times	N/a	

Emergency procedures:		
The possible causes of an on-site emergency arising from this job are; slip, trip or fall; fire and explosion.		
Emergency procedures are communicated to the workforce by; Site induction carried out by the principal contractor.		
In the event of an emergency, contact details are;		
Name;	Telephone number;	Mobile telephone number;
Tony Munn – Managing Director	01908 617 269	07986 032567
Geoff Williams – Director	01908 617 269	07790 604378

Environmental Controls	
The potential threats to the environment are:	The control measures that will be put in place are;
N/a	N/a
The types of waste that will be generated and stored are;	The methods by which the types of waste will be disposed of are;
Gas membrane and packaging waste will be generated.	Gas membrane and packaging waste can be disposed of in a skip by

Protection of the public
The health and safety of members of the public will be achieved by; Adequate site security and signage throughout the site during the course of the works.
The health and safety of the public when working in occupied building will be achieved by; N/a

Public nuisance
The potential sources of nuisance to neighbouring people/properties are; N/a
The person who is responsible for communication with the public is: The site manager

Keytec Operative…… Signed…… Date ……..

Keytec Operative…… Signed…… Date ……..

Keytec Operative…… Signed…… Date ……..

Keytec Operative…… Signed…… Date ……..