



GEOSHIELD

Verification Report



PROJECT REFERENCE:

GEO101021

REPORT NUMBER:

006

REPORT DATE:

26/05/20

PROJECT:

McAlear & Rushe

PROJECT ADDRESS:

101 Charles Street

Manchester

M1 6DD

MEMBRANE SPECIFICATION:

Gas membrane to specification BS8485 2015

Installed to CIRIA 735

Visqueen Geoseal Ultimate

Visqueen GR SAM

Visqueen HP Tanking Primer

Visqueen Retaining Discs

Visqueen Protect and Drain



GEOSHIELD Verification PLAN



SPECIFICATION:

DRAWINGS ISSUED

S1010_Foundation GA_S5-4

Section 32 - Service Trench

TR-10227-A-G251-DE-E1-001

TR-10227-A-G251-DE-E1-002

TR-10227-A-G251-DE-E1-003

TR-10227-A-G251-DE-E1-007_P2

TR-10227-A-G251-DE-N1-001

TR-10227-A-G251-DE-S1-001

TR-10227-A-G251-DE-W1-001

TR-10227-A-G251-DE-W2-001

TR- Central Core V2

Information presented to at the pre-verification stage assumed correct

Any change client will let GeoShield know or this Pre-verification Plan will be void.



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VERIFICATION OFFICER: Chris Ingham

VERIFICATION COMPANY: GeoShield Limited

Icon Business Park, 4100 Park Approach

Thorpe Park, LEEDS

West Yorkshire

LS15 8GB

CONTACT NUMBER: 07555214679

EMAIL ADDRESS: CIngham@geoshield.co.uk

ORDER NUMBER:

PER VISIT: YES:



NO:



PROJECT: YES:



NO:





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Verification Report



CLIENT DETAILS

CLIENT CONTACT:	Andy Collins
CONTACTS ROLE:	Prestige Air
MOBILE PHONE:	07789223116
EMAIL ADDRESS:	Andy@prestigeair.com



CLIENT CONTACT:	
CONTACTS ROLE:	
MOBILE PHONE:	
EMAIL ADDRESS	
NOTES:	
NOTES:	
NOTES:	



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APPLICATION TEAM LEADERS

APPLICATOR NAME: Lee Barnes, Kristoph,

COMPANY: Prestige Air

APPLICATOR TEL:

APPLICATOR EMAIL:

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

NOTES:

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AREA SURVEYED:

Gridlines 11/6:E/G

Gridlines 6/4:A/C

SITE CONDITIONS:

WEATHER:

Sunny

TEMPERATURE:

18C

MEMBRANE TEMPERATURE:

N/A

RELATIVE HUMIDITY:

56

TIME:

10:00 - 12:00

REPORT NUMBER:

006

DATE:

26/05/2020

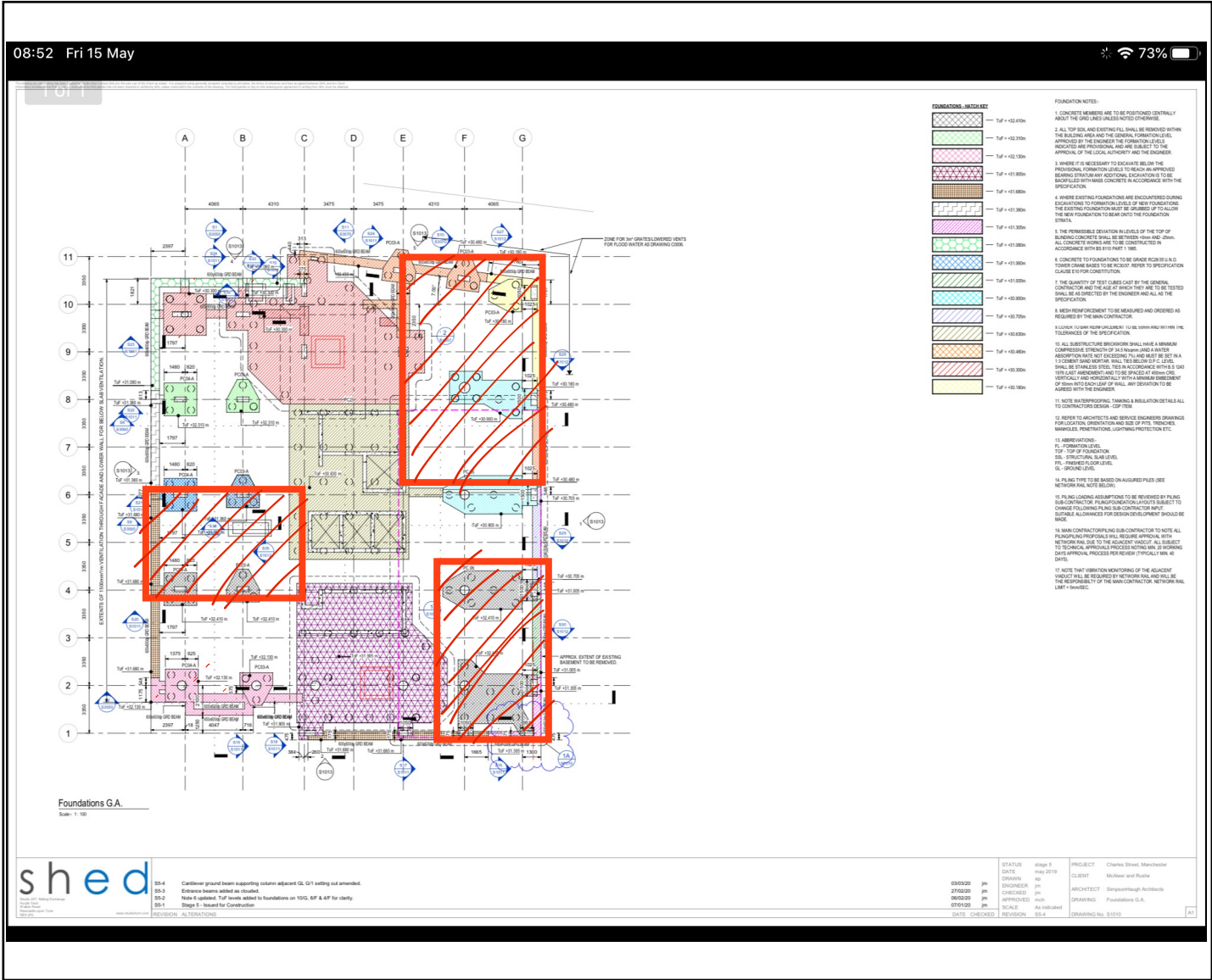
ACCOMPANIED



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VERIFICATION LAYOUT



Gridlines 11/6:E/G, Gridlines 6/4:A/C and ring beams to 3/1:E/G

Verified in this report as highlighted above



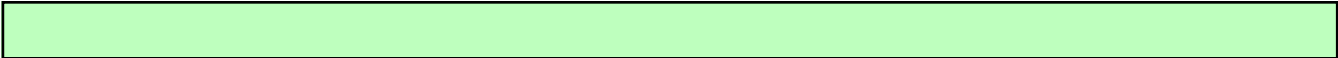
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OVERVIEW PHOTOGRAPHS



Overview of Site



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OVERVIEW PHOTOGRAPHS



Overview of Gridlines 11/6:E/G

Membrane installed beneath suspended slab

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BGA
British Geomembrane Association



VERIFICATION ITEM ONE

LOCATION/GRID LINE: Gridlines 11/6:E/G

NOTES: Visqueen Ultimate Geoseal installed with Pro Demtech

Welded joints. Location of hooks marked on the membrane, extrusion welder to be used to installed hooks to support the membrane from steel re bar with in the slab. Hooks to be installed but strength will be tested on next visit.



1. Overview of Gridlines 11/6:E/G

2. Perimeter details sealed with Visqueen GR SAM

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VERIFICATION ITEM ONE



3. Pick and probe test carried out to ensure good bond achieved. Bitumen primer

applied to face of concrete. Good installation, passed and verified.



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VERIFICATION ITEM TWO

LOCATION/GRID LINE: Gridlines 11/6:E/G

NOTES: Location of hooks marked. Method of installation

discussed on site. Hooks to be sealed to membrane with extrusion weld and

insulation to be installed around before hooks attached to re bar. Installation to

be verified next visit.



1. Hook which will be sealed to membrane to support installation. Membrane should also bond to concrete during the pour. Once cured temporary formwork beneath the slab to be stripped.

2. Location of hooks marked on the membrane.

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VERIFICATION ITEM TWO



3. Pick and probe test carried out to all Pro Demtech Welded joints.

Excellent seal achieved throughout.

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VERIFICATION ITEM THREE

LOCATION/GRID LINE: Perimeter detail

NOTES: Visqueen GR SAM installed to the perimeter details

to a bitumen primer concrete base. Works visually inspected and tested with pick and probe. Pipe penetrations sealed to a good standard. Works on going but complete works installed to a good standard with no faults found.



1. Overview of perimeter detail

2. Pipe penetrations sealed to a good standard as per NVQ Level 2.

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VERIFICATION ITEM THREE



3. Overview of perimeter detail sealed to a good standard. No faults found.



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GAS MEMBRANE TESTING

VISUAL:	☐ YES	☒	☐ NO	☐	SMOKE TEST:	☐ YES	☐	☐ NO	☒
COMPRESSED AIR:	☐ YES	☐	☐ NO	☒	DILECTIC	☐ YES	☐	☐ NO	☒
DESTRUCTIVE:	☐ YES	☐	☐ NO	☒	OTHER:	☐ YES	☒	☐ NO	☐
Testing checklist attached:	☐ YES	☐	☐ NO	☐					

Gridline/Plot Sign off

Gridline/Plot Sign off	Crane Base edges and Core edge	☒
Gridline/Plot Sign off	Pile Cap on A10 and B6	☒
Gridline/Plot Sign off	Core on D5	☒
Gridline/Plot Sign off	Core on D7	☐
Gridline/Plot Sign off	Gridline 5-10 A-C	☒
Gridline/Plot Sign off	Gridlines 7-9.5 and A-D	☒
Gridline/Plot Sign off	Gridlines 10.5-11 and A-D	☒
Gridline/Plot Sign off	Gridlines 9-10.5 & A-D	☒
Gridline/Plot Sign off	Gridlines 1-2 & A-C	☒
Gridline/Plot Sign off	Gridlines 11/6:E/G	☐
Gridline/Plot Sign off	Gridlines 6/4:A/C	☒
Gridline/Plot Sign off	Ring beams to 3/1:E/G	☒

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ADDITIONAL PHOTOGRAPHS



Visqueen Geoseal beneath ring beam

to 3/1:E/G



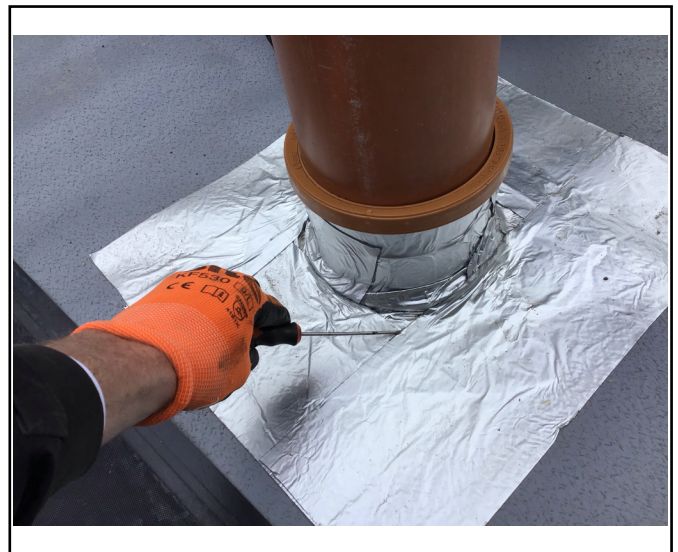
Visqueen Geoseal beneath

steel rebar 300mm as design detail



Penetrations in Gridlines 11/6:E/G

sealed to a good standard



Penetrations in Gridlines 11/6:E/G

sealed to a good standard

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ADDITIONAL PHOTOGRAPHS



Perimeter to Gridlines 11/6:E/G

sealed to a good standard



Perimeter detail sealed with no

faults found



Visqueen GR SAM used throughout



Pick and probe test to perimeter

detail. Good bond and overlaps



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VERIFICATION SUMMARY

Report 006 is for Gridlines 11/6:E/G, Gridlines 6/4:A/C, Ring beams to 3/1:E/G

and Perimeter Detail. Visual inspection and pick and probe carried out.

Works have been carried out to a good standard throughout with no faults

found.

Works on going to Gridlines 11/6:E/G. Hooks not yet installed but strength of bond

to be tested during next verification visit.

All complete works passed and verified in accordance with BS8485:2019 and

CIRIA 735.

GEOSHIELD SIGNATURE:

DATE: 26th May 2020