



GEOSHIELD

Verification Report



PROJECT REFERENCE:

GEO101021

REPORT NUMBER:

008

REPORT DATE:

10/06/2020

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: Finlay Todd

VERIFICATION COMPANY: GeoShield Limited

Icon Business Park, 4100 Park Approach

Thorpe Park, LEEDS

West Yorkshire

LS15 8GB

CONTACT NUMBER: 07555214679

EMAIL ADDRESS: Ftodd@geoshield.co.uk

ORDER NUMBER:

PER VISIT: YES:



NO:



PROJECT: YES:



NO:





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CLIENT DETAILS

CLIENT CONTACT:

CONTACTS ROLE:

MOBILE PHONE:

EMAIL ADDRESS:



CLIENT CONTACT:

CONTACTS ROLE:

MOBILE PHONE:

EMAIL ADDRESS:

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: East Toe Detail - South Toe Detail

SITE CONDITIONS:

WEATHER: Overcast

TEMPERATURE: 8c

MEMBRANE TEMPERATURE: N/A

RELATIVE HUMIDITY:

TIME: 09:00-10:00

REPORT NUMBER: 008

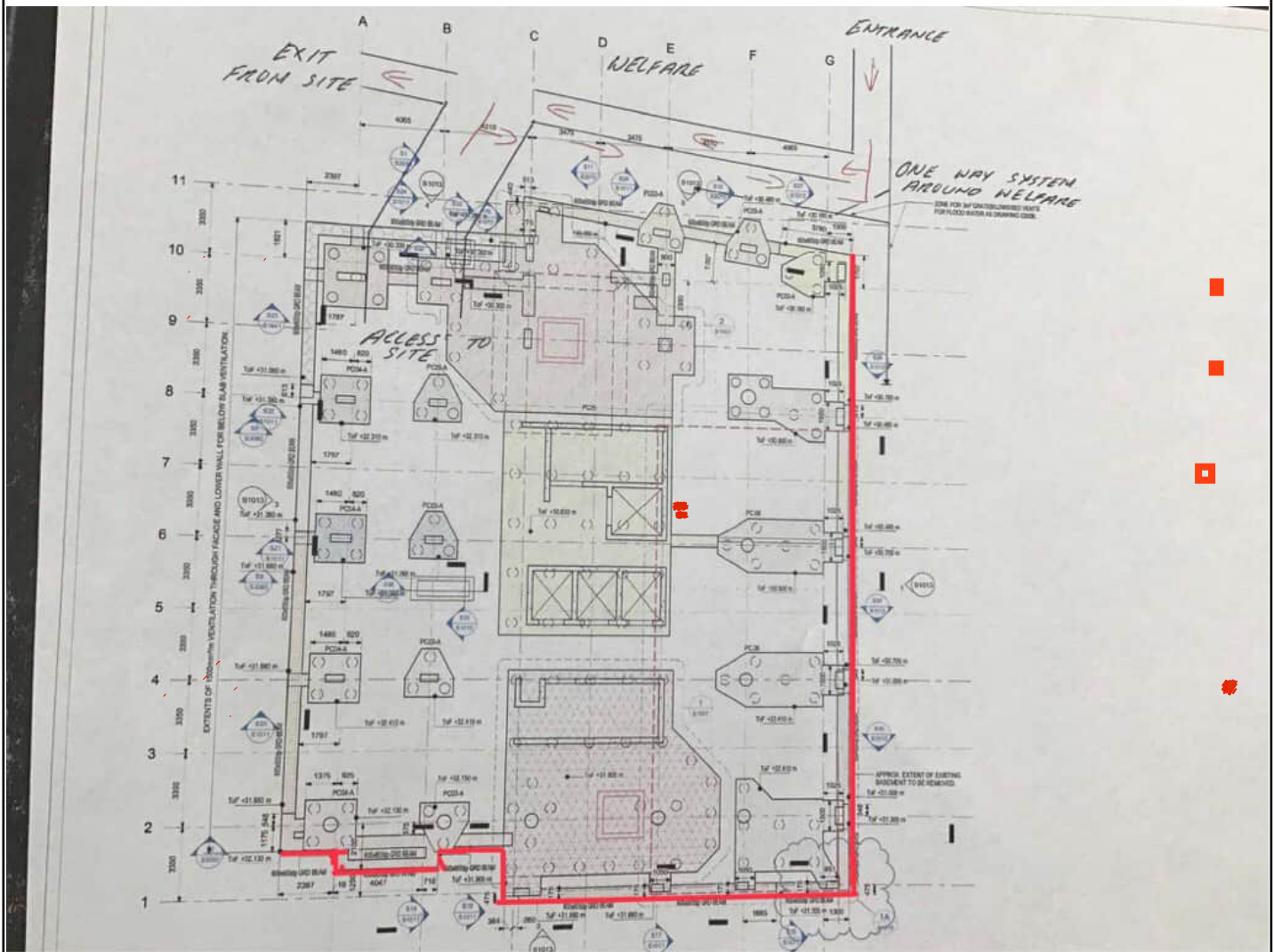
DATE: 10/06/2020

ACCOMPANIED Kristoph

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VERIFICATION LAYOUT



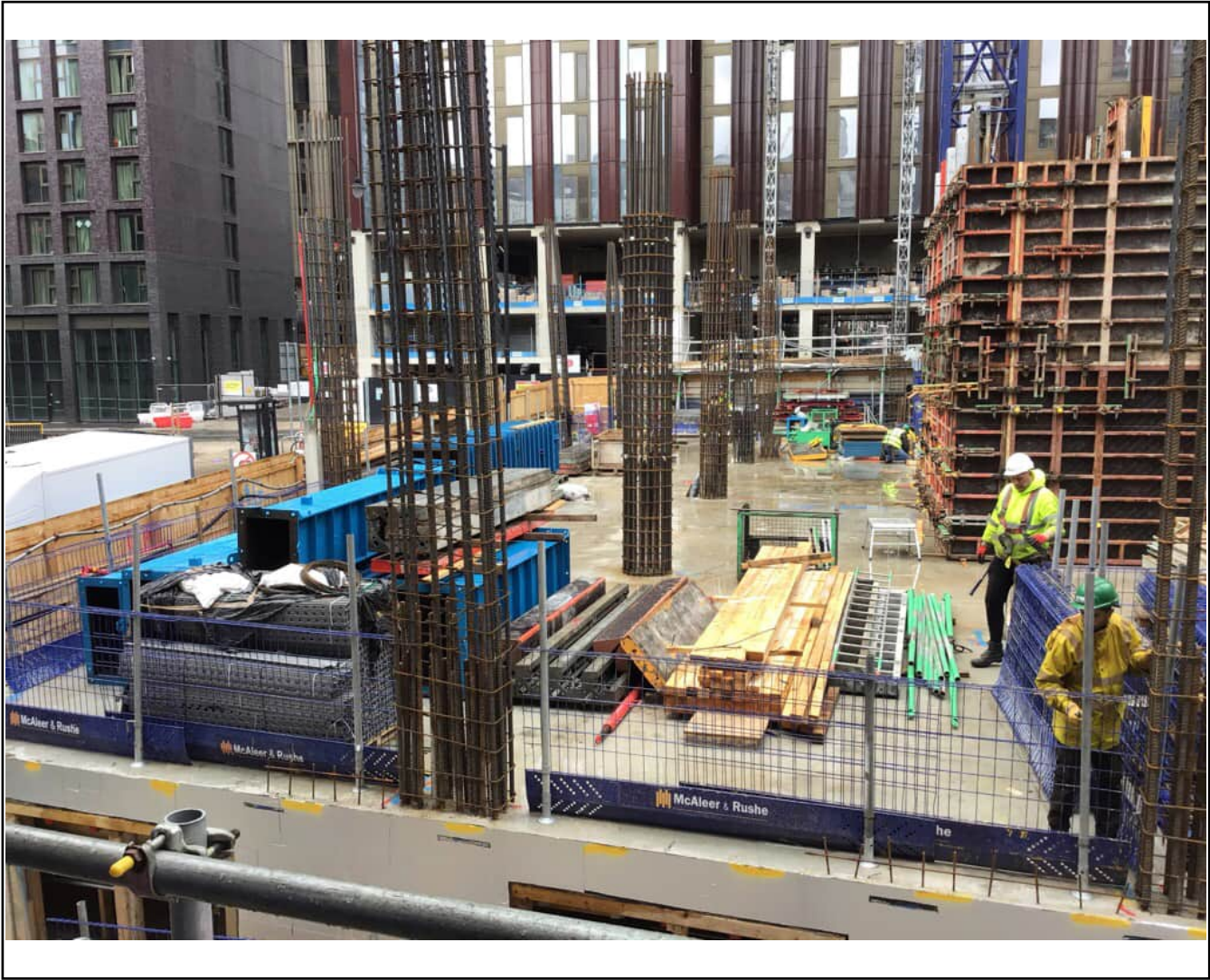
Area highlighted East and South Toe Detail



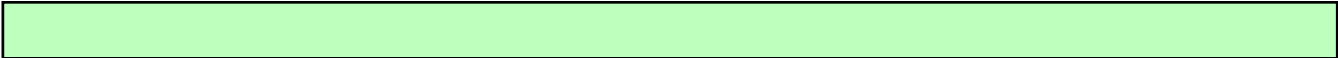
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OVERVIEW PHOTOGRAPHS



Overview of site





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OVERVIEW PHOTOGRAPHS



Overview of site



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VERIFICATION ITEM ONE

LOCATION/GRID LINE: East Toe Detail

NOTES: GR SAM

Down both the East and South toes, large rolls of Gas Resistant Self Adhesive Membrane has been applied. The toe has first been primed and left to dry, then the GR SAM has been had heat applied and then installed onto the toe.



Left photo) overview of East Toe Detail

Right photo) this shows an overlap of the GR SAM

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VERIFICATION ITEM ONE



Above photo) a pick and probe test was carried out on the vertically applied GR SAM on the East and South Toes. A good seal has been created between the GR SAM and the primed concrete underneath.



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VERIFICATION ITEM TWO

LOCATION/GRID LINE: East Toe Detail

NOTES: Visual Inspection

During the visit a visual inspection was carried out, a large hole was found in the DPC where the GR SAM is lapped down onto it. Installers remediated the hole during the visit using a patch of GR SAM.



Left photo) this shows the large hole in the DPC found during the visual inspection of the verified area.

Right photo) reverse angle overview of where the hole was found

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VERIFICATION ITEM TWO



Above photo) this shows the patch of GR SAM that was applied to the hole found

during the visual inspection. Heat was applied to the patch using a leister, the DPC

was then dried and cleaned and the patch was applied.

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VERIFICATION ITEM THREE

LOCATION/GRID LINE: East/South Corner

NOTES: GR SAM

Gas resistant self adhesive membrane has been applied to the DPC where joints have needed to be sealed. Pick and probe test were carried out to ensure a good bond has been created.



Left photo) this shows the corner of the East and South Toe Detail, the GR SAM has been applied vertically down and lapped onto the DPC. The DPC has then been sealed using GR SAM.

Right photo) overview of the corner and DPC

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VERIFICATION ITEM THREE



Above photo) a pick and probe test was carried out on the GR SAM which has been applied to the DPC, to ensure that a good seal has been created.



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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



Primed concrete wall on

Eastern Toe

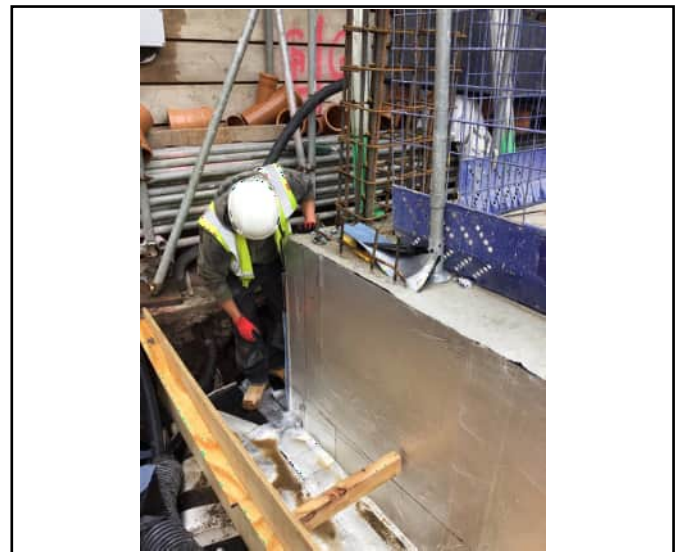


GR SAM patched applied to

hole



GR SAM applied to southern toe



Installer applying GR SAM to South

toe



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VERIFICATION SUMMARY

A visual inspection was first carried out to make sure there was no holes or punctures in the DPC. One large hole was found but it was remediated on site during the visit. GR SAM has been applied vertically to the concrete walls of the Eastern and Southern toe. Pick and probe tests were carried out to ensure that a strong seal has been created.

All complete works passed and verified in accordance with BS8485:2019 and CIRIA 735.

GEOSHIELD SIGNATURE:

DATE: 10/06/2020