Old Bank, Manchester

Method Statement / Risk Assessment / Technical Submission

Stone Removal / Restoration / Reinstallation

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## 1.1. PROJECT DETAILS

| | |
|---|---|
| Client | Bowmer & Kirkland |
| Project Address | Old Bank, Hanover Street Manchester |
| Package Identification | Internal Stone Removal / Restoration |
| Contractor Project number | Tbc |
| Contractor document reference | Tbc |

## 1.2. DOCUMENT APPROVAL

| | | | | |
|---|---|---|---|---|
| Prepared By | Contracts Manager | Chris Fish | 10/08/23 | First Issue |
| Reviewed by | | | | |
| Approved by | | | | |
| Approved by | | | | |
| | | | | |

## 1.3. PROJECT ARRANGEMENTS

| WELFARE ARRANGEMENTS | PROVIDER |
|---|---|
| COVID-Secure Workplace | Principal Contractor - Bowmer & Kirkland |
| Washing & Drying | Principal Contractor - Bowmer & Kirkland |
| Drinking Water & Cups | Principal Contractor - Bowmer & Kirkland |
| Toilets | Principal Contractor - Bowmer & Kirkland |
| Canteen, seating, Microwave & Kettle facilities | Principal Contractor - Bowmer & Kirkland |
| First Aid Facilities | Principal Contractor - Bowmer & Kirkland |

## 1.4. ACCESS & EGRESS

- Personnel to enter site through entrance to the hoarded site located on Hanover Street.
- Personnel to have received a site induction provided by Bowmer & Kirkland on their first visit to site.
- Delivery Access and egress into site for the works will be gained via the entrances on Hanover Street
- Pedestrian access to be agreed with Bowmer & Kirkland and segregated from vehicle routes.
- There will be no parking on site.
- All visitors must be pre booked before attending site and report to reception before gaining entry into site. Any visitor who has not received site induction must be accompanied at all time by McCrory's' site supervisor.
- Access to the site will be controlled by McCrory and it will be their responsibility to Install temporary barriers and mandatory signage to work place to prevent unauthorised access to works area during works.

## 1.5. ACCIDENT PROCEDURE

- If an accident occurs the Site Supervisor will follow Bowmer & Kirkland/McCrory' emergency arrangements and the Bowmer & Kirkland Emergency on site procedures, as set out within site induction. Inform Bowmer & Kirkland Construction Manager & Henley Stones office as soon as is practical to do so.
- All accidents will be thoroughly investigated by the McCrory Construction Site & H&S representatives. He will assess the degree of competence adopted, as to whether the incident is likely to re-occur if the methods adopted continue to be used.
- McCrory Construction safety manager – Danny Ince will be informed of the incident and will undertake an investigation where required and report sent to Bowmer & Kirkland.
- Any near misses or incidents (Including environmental) must be reported immediately to Bowmer & Kirkland site management.

**Old Bank – Bin Store Door – Cill / upstand Removal & Door Surrounds Install.**

The purpose of these works is to remove the stone cill and upstand under the existing window and re-use / re-purpose the salvaged stone to extend the door surrounds to facilitate the stone installation.

**Method of works:**

- Window and any timber elements will be removed – covered in separate RAMS.
- Prior to works being carried out, McCrory Construction Contractors to set up the dust control station (Tent and ventilation) as per the works carried out during the sample
- An Exclusion Zone is to be in place during these works and Bowmer & Kirkland are to be made aware of this prior to works being carried out.
- Ensure all correct PPE is clean and in good condition prior to starting works. Ensure all FFP3 filters are clean and kept in protective bags to prevent these collecting dust when not in use.
- Ensure all grinders/spinners are in good working order and the machine has an in date PAT test, including that of any extension leads. Tools to be 110v or battery operated only.
- Ensure all hand tools are in good working order and free from any defects.
- Power tools used to be added to the latest PUWER register (McCrory) and daily/weekly checks carried out by McCrory's site management team.
- Once the area is available we will need to break the bond of the stone cill / wall to the adjacent stone or the substrate beneath, using a small angle grinder, timber wedges and hand tools (including breaking bars) to pry away the stone sections.
- Once the bond has been broken care is to be taken when lifting the stone sections to avoid damage and stone will be set aside for re-use.
- The retained and salvaged stonework will be surveyed and measured to select the appropriate blocks for re-use.
- The selected salvaged stone will then be carefully re-sized and re-modelled as per architect requirements to interface with the existing stone and the new curtain walling.
- Using hand tools remove residual mortar from all faces of the stones. It is critical that the cleaning off process is done extremely carefully and comprehensively to ensure that the facade can be erected with the same size mortar joints.
- During the re-construction the masons will monitor the stability of the remaining structure and where required insert temporary supports and restraints, particularly to the area where instability could become apparent as soon as masonry courses are added.
- Throughout the operation masons will utilise packing and spacers to preserve the integrity of the masonry unit.
- A mixing station is to be agreed with McCrory site management team and set up and protection put down prior to any mortar being mixed.
- Mixers and other power tools to have a valid and in date PAT test and this item of plant added to the latest PUWER register. Daily and weekly checks to be carried out by McCrory Site team.
- Mortar will then be loaded into wheelbarrows/mortar tubs (to be pallet trucked around site) or buckets if with in close proximity of working areas so as to reduce manual handling.
- The blocks will be laid on a bed of mortar using NHL 3.5 - Base coats: 6: 1.8: 1 (aggregate: lime: gypsum). Topcoats: 1.6: 1: 2 (aggregate: lime: gypsum) (to be agreed with architect)
- Any ties or fixings installed correctly with resin (Hilti HIT-HY-270 or similar).

- Clean working environment regularly throughout the day and at the end of every shift, leaving the work area free of slips, trips and fall hazards and free of debris and dirt where other contractors may come into contact.
- Once all work has been installed and pointed and cleaned down, offer the work area to B&K for review and sign off.

**Survey works**

Surveys will have been completed for verifying the accuracy of early survey information. They will be used during the rebuilding construction to ensure it re-constructed in accordance with the proposed drawings and original construction details.

Detailed measurements will have been taken of: Bed heights, running measurements, joint widths and condition and cross checked to with the proposed drawings.

# 2. WORK DESCRIPTION

## 2.1.

LOCATION OF WORKS

| |
|---|
| Old Bank, Hanover Street, Manchester |

## 2.2. DURATION OF WORKS

| |
|---|
| Approx 10 days |

# 3. MANAGEMENT & SUPERVISION

| Title | Name | Email | Mobile |
|---|---|---|---|
| TBC | | | |
| | | | |
| | | | |
| | | | |

# 4. RISK ASSESSMENT

Significant risks identified include:

- Coronavirus, risk of infection and transmission of virus.
- Weather conditions including high winds, ice & snow, lightning, heavy rain and sunshine.
- Work at height including, dropped tools, falling debris and falls from height.
- Other contractors work.
- HAVS & Noise
- Falling of materials/objects

**SAFETY HOLD POINT**

All site personnel must have read and understood the risk assessment and method statement and signed both before commencing the work activity.

| SITE SUPERVISOR | SIGNED | DATE |
|---|---|---|
| | | |

## 4.1. SEQUENCE

- Survey
- Inspection
- Check
- Lift stone
- Place stone on pallet,
- Move stone to storage locations/work face
- Lifting straps,
- Lift to locations on site (Various)
- Lay Mortar,
- Lay stone,
- Line and level stone
- Point up
- Clean up
- Pack down and off-hire tools.

## 4.2. SPECIAL TRAINING REQUIREMENTS

| |
|---|
| Mason and mate<br>IIF for all<br>Engage and influence for all supervisors<br>CSCS card.<br>Slinger signaller<br>Under the hook training<br>Appointed person for lifting DGP BOWMER & KIRKLAND APEX.<br>Architectural Technician Qualification.<br>Masonry experience as proven by work track record in absence of specific qualification.<br>Working at height<br>Asbestos awareness<br>Supervisor<br>SSSTS<br>CSCS<br>Asbestos awareness<br>Working at height |

## 4.3. PERSONAL PROTECTIVE EQUIPMENT

Mandatory PPE

Task Specific PPE

| PPE | SPECIFICATION –Ma Work |
|---|---|
| | Safety Helmet EN397:1999 5/A 1:2000 Fitted with chin strap |
| | Hi-Vis Clothing class 2 warning clothing EN147 |
| | Safety Boots (Steel Toe Cap & Midsole Protection) EN345 must be S3 |

| PPE | SPECIFICATION –Ma Work |
|---|---|
| | Eye Protection EN166 class F & Class B impact |
| | Gloves high resistance construction EN388 Factor 3543 Anti vibration gloves |
| | Ear defenders Portwest EP02 PU Foam Uncorded Ear Plugs (200 Pairs) - SNR 37 |
| | SR 500/SR 580PAPR kit - includes SR 500 fan unit, SR 580 hard hat, breathing hose, battery, battery charger, belt, flow meter, filter covers and 2 each HE particulate filters. APF 1,000. |

# 5. RESOURCES

## 5.1. PERSONNEL & TRAINING

The work will require 2 persons.
The masons will have CSCS.

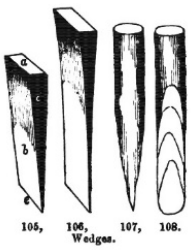
## 5.2. SUB-CONTRACT WORK

Not applicable

## 5.3. PLANT & EQUIPMENT

All tools will be tethered to prevent falling from height

Daily/weekly inspections of plant & lifting equipment – will be completed by the on site supervisors

| Multi tool | Extraction unit | Mattel | Lump hammer |
|---|---|---|---|
| | | | |
| Plugs and wedges | Breaking Bar | Tool Tether | Dust extraction |
|   | | N/A | |

| | | | |
|---|---|---|---|
| | | | |
| Cordless Rotary Hammer Drill | Lifting Ganrty Crane | Masons Chisel | 1 & 2 Ton straps |
| | | | |
| Grinder & extraction hood | Carboundom block | Genie Materials Lift | 110v Extension lead |
| | | | |

MATERIALS

| |
|---|
| Foam protection<br>Paper<br>Mortar<br>Stone<br>Bricks<br>Cramps |

# 6. EMERGENY ARRANGEMENTS

## 6.1. RESCUE

The work will be undertaken on the ground floor so no rescue from height is envisaged.

## 6.2. FIRST AID

The First Aid arrangements for the site will be explained at induction by the Principal Contractor.

All Henley Stonework Site Supervisors/Project Manager will be first aiders.
First Aiders are:-

McCrory Project Manager will have a first aid kit and eye wash sachets in the site office.

Most likely first aid treatment identified for the work activity would include:

- Minor cuts and abrassions

The nearest Defibrillator is located:

Manchester Victoria Station

## 6.3. SPILLAGE & CONTAINMENT

The work is non-intrusive and does not require the use of any construction materials.

Any hazardous substances discovered during the investigation work will be reported to the Principal Contractor. Typically, this would be:

- Asbestos or asbestos containing materials
- Excessive guano
- Dead wildlife
- Silica

## 7. TEMPORARY AMENDED SYSTEMS

The work will not require the amendment of any traffic routes, emergency arrangements or site services.

## 8. COMMUNICATION

This Method Statement will be communicated to all McCrory personnel involved in these works and they will be required to sign the acknowledgement section of this document.

Supervisors will attend daily coordination meetings to discuss the following working days activities. This information will be passed on to personnel at Smart Starts

At the daily SMART Start meeting operatives will be questioned to allow them chance to demonstrate their understanding of the risk assessment and method statement associated with their work.

## 9. MONITORING & COMPLIANCE

These works will be audited in accordance with the Contractor's Management Plan.

All drawings produced as part of these works will be presented to the Architect for approval in accordance with the specification.

There are no other surveillance or monitoring requirements associated with these works.

## 10. ACKNOWLEDGEMENT

I acknowledge and understand the content of this method statement and associated risk assessment, and I agree to comply with the instructions as detailed, and will wear all personal protective safety equipment that has been stipulated as required. I also agree to carry out my work in a safe and responsible manner.

| Name [PRINT] | Signature | Date |
|---|---|---|
| | | |

| Name [PRINT] | Signature | Date |
| --- | --- | --- |
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