

Risk Assessment Method Statement Operative Briefed Register 0

Site: **SIM, Powerhall**

Task: **Install new platform**

Start Date: **TBC**

Labour: **HH Smith – bricklayers.**

Duration: **N/A**

Assessor: **Ollie Glasse**

Issued By: **Ollie Glasse**

Issue	Date	Comments
1	02/06/2021	

Below is the amendment record for minor or non-material revisions or amendments that do not warrant a full re-issue of the document. All such amendments are highlighted.

Amendment No	Date	Amendment	Page/s

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Risk Assessment



Site	SIM, PH				
Date	02/06/23	Review Date	02/06/24	Assessor	Ollie Glasse
Task	Masonry at Ground Level				

Item	HAZARDS	WHO IS AT RISK	L	S	Risk	CONTROLS	Residual Risk		
							L	S	Ris
1	New build wall overturning Risk of entrapment, crush	Operative General Site Operatives Public	3	5	15	1. Only competent persons with relevant qualifications & experienced to construct brick & block structures 2. Ensure mortar/walls has set prior to further construction on wall (higher up) 3. Assess weather conditions for strong winds etc. reduce height of wall built in high winds. 4. If needed erect temporary support to strengthen wall until set.	1	5	5
2	Manual Handling Risk of strains, cuts, dermatitis	Operative	4	4	16	1. No person to attempt to lift any objects that they do not feel comfortable with lifting 2. Use lifting equipment/ plant to move materials as close to the work area as possible. 3. Use lifting aids etc to carry brick & block. 4. Operative should wear gloves when handling block & brick. 5. Wear eye protection when splitting/ cutting masonry with hand tools.	1	4	4
3	Working with cement/ mortar Risk of cement burns & dermatitis	Operative	4	4	16	1. COSHH assessments for use of cement & mortar must be reviewed and signed before works can commence. 1. Cement bags delivered to site in suitable packaging, and stored in secure dry place on site. Operatives move & use as required. 2. Suitable clothing to be worn at all times, full length pants. 3. Suitable tools must be used to handle mortar, not hands, keep contact away from bare skin etc. 4. Suitable welfare with soap, hot water & drying on site to wash hands, arms etc. 5. Wear eye protection & gloves when handling mortar.	1	4	4
4	Hand tools Risk of cuts to limbs	Operative	2	3	6	1. Suitable hand tools must be used at all times.	1	3	3

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						2. Hand tools manufactured for the task to be used, do not use self made tools to handle mortar etc.			
5	Rotating Cement mixer (internal blades) Risk of entrapment & entanglement	Operative General Site Operatives	3	4	16	1. Place mixer in suitable place on site away from access routes, near work area if possible. 2. Keep tools (shovel) hands and arms away from mixer when mixing. 3. Do not for any reason put any tools or limbs in the drum of the mixer whilst rotating. 4. Serious damage can be caused if tools or limbs (arms) get entangled with blade. 5. Mixer must be isolated/switched off and completely still when cleaning out or unloading mortar with tools. 6. Store mixer in secure place or disable when left unsupervised.	1	4	4
5	Abrasive wheels Risk of lacerations & amputations	Operative General Site Operatives	3	5	15	1. Use abrasive wheel as per separate RA & MS specific for abrasive wheels 2. Only competent persons to operate abrasive wheels. 3. Dust compression must be used when cutting block & brick etc. 4. Suitable respiratory equipment, ear protection & eye protection must be worn at all times when cutting is in progress.	1	5	5
6	Housekeeping Risk of slips & trips	Operative General Site Operatives	3	3	9	1. Work area must be cleared at regular intervals to reduce the buildup of debris. 2. Work areas must be cleared after each work shift. 3. Prior to moving onto different work areas the immediate work area must be clear & clean.	1	3	3
7	Masonry packs (brick/ block packs) falling from height. Risk of being crushed.	Operative General Site Operatives	4	5	20	1. Packs of masonry must not be stored to high. 2. Check ground, solid enough to take weight of packs. 3. If stacking packs on top of each other ensure centre of gravity is in the middle of stack packs must not overhand etc. 4. Do not over stack packs near pedestrian footpaths or close to excavations etc. 5. Ensure packs are suitable tied together & secured when stacked or transported. 6. Do not untie/ cut straps etc holding packs together when stacked on top of other packs or when above ground level, always cut straps when pack is at ground level & area is clear of pedestrians.	1	5	5
8	Dust – Cutting with Abrasive Wheel Risk inhaling Silica Dust.	Operative General Site workers Public	5	4	20	1. Suitable half masks with P3 filter to be worn when cutting with abrasive wheel or creating excessive dust (sweeping debris etc.)	2	1	2

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					2. Operatives face fit tested. 3. Water suppression/ dust suppression used when working with abrasive wheel and cutting masonry products. 4. Maintain half mask and store is suitable place after use.			
10	Dust – Cutting with Abrasive Wheel Risk inhaling Silica Dust.	Operative General Site workers Public	5	4	1. Suitable half masks with P3 filter to be worn when cutting with abrasive wheel or creating excessive dust (sweeping debris etc.) 2. Operatives face fit tested, use p3 filter in respiratory protection. 3. Water suppression/ dust suppression used when working with abrasive wheel and cutting masonry products. 4. Maintain half mask and store is suitable place after use. 1. When creating dust from work activities etc. wet area down with fine mist of water. 2. If dust cannot be wet down use suitable vacuums with HEPA filters ('M' or 'H'). 3. If dust cannot be wet down or vacuums used, wear the company issued blue half mask with P3 filter whilst clearing up dust (available from site manager). 4. Operatives have been face fit tested with only the Blue JSP p3 filter half mask, use that only. 5. Attach dust extraction bag/ equipment to all equipment creating dust; chop saw/ plainer etc. and use half mask with P3 filter (available from site manager). 6. Wherever it is reasonably practicable to do so, an industrial vacuum cleaner with a suitable class of HEPA filter ('M' or 'H') should be used for clearing up any residual dust. 7. When using vacuums use suitable vacuums with HEPA filters ('M' or 'H'). 8. Clean wood dust & off cuts around work area/ cut area at regular intervals/ AFTER every work shift/ before after every break. 9. DO not allow dust or work areas waste to build up! 10. Erect dust barriers to reduce dust from spreading to other areas of the building. Visquen barriers. 11. Open windows, doors etc for natural ventilation if this is not sufficient use powered ventilation systems. 12. Respiratory protection available from the site manager in the site office.	2	4	8

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11	Noise Risk of damage to hearing	Operatives General Site workers General Public	5	4	20	1. Check equipment being used for noise exposure limits & manufacturer instruction/ guidelines for advice on ear protection. (displayed in db) 2. Operatives to wear suitable ear protection at all times as per equipment manufactured guidelines. 3. If possible undertake excessive noisy works near public or other work activities out of hours. 4. Issue nearby operatives that cannot be excluded from excessive noise with ear protection. 5. Guidance on when noise is excessive; operatives standing next to each other and they have to raise their voices to be heard due to noise from equipment etc. suitable ear protection must be worn. 6. If unsure of noise level contact site manager or company safety officer so that noise levels can be monitored. 7. Ear protection available from site manager in site office.	1	4	4
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Calculation of RISK LEVEL - <u>L</u> ikelihood x <u>S</u> everity = Risk (score)		
Likelihood is	1 could never happen, 2 very unlikely, 3 Possible, 4 likely, 5 very likely	
Severity is	1 very slight, 2 minor, 3 significant, 4 major, 5 fatal	
Score	1 -9 = Low	10 – 18 Medium

Install new Platform

Location of works:

Science & Industry Museum, Powerhall

Brief Description:

A Risk Assessment (find attached) has been carried out in order to assess the risks to employees posed by operatives constructing the new timber platform within the Powerhall

The arrangements will take in account the required legislations.

Sequence of Works:

1. Construct masonry walls
2. Install platform structure

1. Construct masonry walls

Masonry work to be constructed from ground level onto concrete footings/ slabs etc.

Proposed work area to be cleared from any rubble or debris.

Tele handler or mechanical lifting equipment, eg (pump truck, wheel barrow etc) to transport masonry packs & mortar to as close to the work area as possible.

Operatives to manually spread/ move individual masonry (brick, block, stone etc.) along the proposed work area.

Mortar to be mixed in a suitable area near the work area away from pedestrian routes.

A rotating cement mixer to be used to mix sand, cement, water and additives together to form mortar, which will be used to join block/brick together. Cement mixer to be located outside the building.

Mortar will be tipped out into buckets/ wheel barrows.

Mortar will be spread along the work area onto spot boards/ mortar boards by operatives using buckets and shovels.

Competent brick layers with the required qualifications to undertake the works.

Bricklayers to spread the mortar with suitable hand tools (trowel).

Brick layers to manually handle block/brick and lay as required.

Masonry work to be constructed course by course, block by block.

Wall ties to be installed as per structural engineer's specification.

Brick layers to build masonry wall up to a safe height/ courses as per training or as advised by supervisor, green/ not set masonry walls built up to high may fall over due to winds etc.

Operative may use a Stihl Saw to cut masonry to the required size.

Suitable PPE & dust compression must be used when operating a Stihl Saw:

- Respiratory equipment (Half mask with P3 type filter)
- Eye protection
- Ear Protection
- Dust compression/ water compression

Work area to be cleared at regular intervals.

Operatives will build the wall as high as possible from ground level.

Once the wall has been constructed to the required height/ or as high as operatives can reach from the ground level the wall will be left to set.

Rest of masonry wall to be build of suitable working at height platforms.

Site Manager to contact the company H&S manager if the above method is not suitable or work has changed prior to commencing.

2. Install platform structure

Timber wall plate fixed to top of masonry walls.

Where platform abuts existing external masonry wall, wall plate to be fixed to the wall as per structural engineers detail.

Joists fixed across wall spans working sequentially from one side of the building to the other.

Existing timber joists to be used where possible. Structural engineer to confirm if in suitable condition and max span and or centers.

Permit to work

Various permits required as per RA & MS.

Task/ equipment

Permit required

Any type of hot work including, welding, flame cutting, abrasive wheel creating sparks or excess heat, soldering etc. Hot work permit

Hazardous materials within building

Site manager to advice on Asbestos materials within existing buildings.

No works to commence unless a refurbishment & Demolition survey is on site or asbestos removal certification confirming that asbestos materials are not within work areas.

HH Smith operatives have attended a 1 day asbestos awareness course.

Equipment / Machinery needed (PPE required)

Equipment / Machinery	PPE Requirements	HAV info (See specific HAVE guidance for more info)
Mixer	Standard Site PPE, gloves & eye protection.	N/A
Hand tools	Standard Site PPE, gloves	N/A
Abrasive Wheel	Standard Site PPE, Gloves, eye, ear & respiratory protection. Dust suppression	2 Stroke 12" Cutter 5.5m/s2) MEDIUM 5.5 Max use; 99 mins in 8 Hours
Block splitter	Standard Site PPE, gloves & eye protection.	N/A
Drill (battery operated)	Standard Site PPE, gloves, eye protection & ear protection	LOW 2.5 Max usage; 480 mins in 8 Hours

Specific Training Arrangements for equipment/plant

HH Smith Operatives to report to the site office for a site induction.

Equipment / Machinery

Specific training

Manual handling

0.5 day awareness course.

Hand tools

Use as per manufacture instruction & guidance.

Materials

0.5 day Manual handling awareness course.

Drill (battery operated or 110v)	Competent joiner. Use as per manufacture instruction & guidance.
Waste bins & lose waste	0.5 day Manual handling awareness course.
Abrasive Wheel	Use as per manufacture instruction & guidance. Specific RA & MS Abrasive wheel training course
Block splitter	Use as per manufacture instruction & guidance. Specific RA & MS

Housekeeping

Operatives will be briefed on the site waste management arrangements at the site induction.

All waste (packaging, off cuts, rubble etc.) created by work tasks should be kept in one place within works area ready for collection & disposal.

Waste should be collected in suitable containers & disposed of in skips.

Operatives must clear/ clean work area and surrounding areas from any unwanted materials & rubbish after every work shift or on completion of a task.

Do not store any materials or equipment on access routes or emergency escape routes.

Keep extension cables & trailing leads to corners of building at at high level.

COSHH Info

Mortar & Silica

First Aid Arrangements

Operatives will be briefed on the first aid arrangements & first aider on site at the site induction.

HH Smith Site manager & various others on site have attended a 3 day first aid at work course.

The details of the first aider & directions to nearest A&E will be displayed within the site office & canteen notice boards.

Welfare Arrangements

Operatives will be briefed on welfare arrangements at the site induction.

Operatives can use the existing welfare on site.

The W/C facilities must be kept clean, maintained and left as previously found!!

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Emergency Procedures

Operatives will be briefed on emergency arrangements at the site induction.

Operatives must adhere to the emergency procedures at all times.

All Fire Escape/ break glass points/ alarms MUST be maintained at all times, do not store any materials or equipment in front of escape doors or on emergency escape routes.

Contact details

Role/ Responsible	Company Details	Contact information
SHEQ Manager	HH Smith & Sons Co Ltd Rear of 95 Bury old Road Whitefield Manchester M45 7AY	Contact: Juan Crous Tel: 0787 295 2425 Email: jc@hhsmith.co.uk

Amendment to MS:[illegible]

Amendments carried out by:

Name: _____ Signed: _____ Date: _____



RA, MS & COSHH Assessment Register

In signing this form I the undersigned confirm that I have been briefed on all aspects of the forthcoming work and fully understand the method of work and associated risk and that I have been briefed on all Site requirements and relevant PPE relating to the task.

[illegible]

Site Supervisor declaration

I _____ as designated supervisor/manager can confirm that I have briefed the above operatives in all aspects of the method statement, risk assessments and the Site Health, Safety & Emergency Rules.

Signed: _____ Date: _____