



Site Specific Safety Method Statement

Site Specific Details

Client: CP Demolition

Client Contact: Andrew Corkery

Contract Name: Xaverian College

Contract Address: Xaverian College, Lower Park Road, Manchester, M14 5RB

Scope Of Works: Brokk 70 to remove 4 flights of stairs.

Author: David Turner **Date:** 28/07/2021

Site Hazards:

- Brokk Machine
- Slips, Trips & Falls
- Dust - Airborne
- Noise- Employee
- P.P.E - Use Of
- Working at height
- Falling Objects
- Manual Handling
- Site Traffic & Public Interface
- Hand Tools - Use Of
- Contact with live services



Mean Of Access: Access will be gained via double doors to the front of the building

Training Requirements: Brokk Machine (All Sizes)

Personnel: TBC

Emergency Procedure: In the event of an emergency notify the site team in accordance with the requirements of the clients rules, as instructed at induction. Use break glass system if available to raise the alarm in the event of a fire.

Welfare & First Aid: First aid fare held in the site office which is situated next to the welfare facilities. Toilets are located at the site compound.

P.P.E

- Safety Helmet
- High Visibility Vest
- Protective Footwear
- Gloves
- Safety Goggles (Grade s)
- Ear Protection (SNR 30+)
- Dust Masks (FFP3)



Risk Control Measures

Workplace Precautions to be applied

Brokk Machine

- Only trained operatives are to operate the Brokk machines
- PPE. Gloves, goggles, ear protection, dust masks to be worn
- High impact eye protection must be worn when using the breaker (Grade s)
- Always connect the machine through a earth fault relay (30MA) 30MA is a minimum requirement
- Fasten in all cables. All cables must be tied up on the ceiling or above head height, if not cables must be run tight to the walls and clearly marked
- Floor/surfaces are strong enough to withstand the machine
- Stay outside the working range of the machine when its in operation (No personnel must enter the working radius of the machine while it is in operation)
- Make sure no cables are damaged before use and are all PAT tested
- Check the voltage and fuse values are correct before connecting the machines supply cable
- Check the function and condition of the control box before use
- Inspect the machine before use - If any damage/fault is found it must be reported immediately and the machine must not be used until the damage/fault is fixed

Slips, Trips & Falls

- Minimise risk by good house keeping i.e. Stacking all materials as soon as practical or by placing them in a skip as soon as practical
- Any trip hazards that cannot be moved should be clearly marked with tape or contrasting paint

Dust

- Dust masks suitable for the operation are to be worn during the works
- Use water to damp down area to reduce dust (If available)
- Use extraction units to reduce the level of dust (If available)

Noise

- Ear defenders are to be used in compliance with H.S.E regulations for limiting exposure to noise



PPE

- PPE to be worn at all times
- Safety Helmet
- High Visibility Vest
- Protective Footwear
- Gloves
- Safety Goggles (Grade s)
- Ear Protection (SNR 30+)
- Dust Masks (FFP3)

Working At Height

- Secure edge protection must be in place at all times
- Always work from behind the secure edge protection
- Make sure the edge protection is a safe distance from the open edge
- If a person has to enter the work area where a open edge is present (ie machine has broken down/trapped cable), safety line must be attached and fitted to the correct harness.
- Under no circumstances must any persons enter the work area where a open edge is present with out correct safety line & harness

Falling Objects

- Prior to work commencing the area of work floor below is to cordoned off with fencing/barriers with clear signage
- If there is a possibility of material falling, heavy duty plywood sheets are to be laid down to protect the floor and a banks man present

Manual Handling

- Employee handbook contains section on manual handling
- Persons will seek help in lifting or carrying heavy or awkward objects
- Suitable PPE to be worn when lifting items
- Use wheel barrows/trolleys when practical
- Use mechanical lifting methods when possible



Site Traffic & Public Interface

- Working area to be accessed by KHD employees only
- Working area to be fenced/barriers with correct signage
- Pedestrian walkways to be used
- A banks man must be present if site traffic crosses a walkway

Hand Tools - Use Of

- Hand tools must be inspected for good condition prior to use
- Hand tools are only operated by competent staff
- Correct PPE to be worn
- All hand tools will be used in accordance with HAVS regulations

Contact With Live Services

- Main Contractor to ensure all services are disconnected
- If all services can not be disconnected all KHD employees must be aware of this
- KHD will be responsible for ensuring to work in a safe manner



Category At Risk

Pre-Control Rating

Controls

Post Control Rating

Further Action Required

Hazard	KHD	SC	P/V	L	C	R	Risk Control Measures	L	C	R	Remarks
Brokk Machine	Y	Y	Y	5	5	25	Please see Brokk Machine control measures	2	4	8	Brokk must be segregated from other site personnel at all times.
Slips, trips & falls	Y	Y	Y	5	3	15	Please see slip, trips & falls control measures.	2	4	8	Good housekeeping must be kept at all times
Dust	Y	Y	Y	5	4	20	Please see dust risk control measures	2	4	8	Water used at all times when practical to damp down.
Noise	Y	Y	Y	5	4	20	Please see noise control measures	2	4	8	Ear defenders to be worn at all times
PPE	Y			5	4	20	Please see PPE risk control measures	2	4	8	PPE to be worn at all times
Working at height	Y			4	5	20	Please see working at height control measures	1	5	5	Always make sure edge protection is in place
Falling objects	Y			4	5	20	Please see falling objects risk control measures	2	5	10	Always check your surroundings and never work under other works.
Manual handling	Y			5	3	15	Please see manual handling control measures	3	3	6	Always try to use mechanical methods when possible
Site traffic & public interface	Y	Y	Y	5	5	25	Please see site traffic & public interface control measures	2	5	10	Always segregate plant from pedestrians.
Hand tools - use of	Y			5	3	15	Please see hand tools control measures	5	2	10	Always use appropriate PPE when using hand tools
Contact with live services	Y	Y		5	5	25	Please see contact with live services control measures.	2	5	10	Always look out for live services as work progresses.

Key L = Likelihood

C = Consequence

R = Rating

KHD = KHD Brokk Hire

SC = Subcontractor

P/V Public/visitor



Step 1

Identify the Likelihood rating the risk materialising, using table below:

<u>Numerical Rating</u>	<u>Probability</u>	<u>Description</u>
0	Impossible	i.e. Cannot happen under any circumstances
1	Almost impossible	i.e. Possible only under extreme conditions
2	Highly unlikely	i.e. Though conceivable
3	Unlikely	i.e. But could happen
4	Possible	i.e. But unusual
5	Even choice	i.e. Could happen

Step 2

Identify the consequence rating if the risk should materialise, using the table below

<u>Numerical Rating</u>	<u>Consequence</u>
0	No injury
1	Minor first aid injury
2	Break bone or minor illness (Temporary)
3	Break bone or minor illness (Permanent)
4	Loss of limb, eye, serious illness
5	Fatality

Step 3

Multiply the likelihood and consequence ratings together to give the risk rating. Using the risk rating and the action table detailed below determine what further action needs to be taken to reduce the risk to an acceptable level.



<u>Risk Rating</u>	<u>Action To Be Taken</u>
16-25	Stop work until control measures reduce the risk rating to an acceptable level
6-15	Introduce control measures to reduce risk as low as reasonably possible
0-5	No action required

Responsibilities - CP Demolition

To clearly identify areas for demolition/excavation/cutting prior to work commencing.

To satisfy yourselves that the work being carried out is without risk of damage to the structure or danger to persons and all liability for any adverse consequences of our carrying it out is specifically excluded.

To isolate or protect any services which may be damaged or cause a hazard.

Provide uninterrupted working and clear, safe means of access and egress for our operatives and equipment.

Erect and maintain barriers beneath proposed activities, to protect other personnel.

Erect and maintain scaffolding/temporary works/propping/edge protection as required prior to commencement and during in works.

Provide suitable hard standing for our plant.

Provide task lighting.

Provide screening/hoarding/barriers around our operations is required.

Remove debris as work progresses.



Plant on site: Brokk 70.

KHD - KHD Brokk Hire

CP - CP Demolition

- KHD to enter site via designated site entrance.
- Once all employees have had a site induction and are familiar with the site, a tool box talk must be held in the working area with all KHD/CP. employees to discuss all safety matters and clearly identify all areas for demolition. We also ask that all areas for removal are clearly marked and any protection needed is in place. The work area must be fenced off and have clear signage by CP.
- Once all employees have signed into site, all equipment is to be unloaded and vehicles parked in designated car park area.
- KHD employees will abide by Main Contractors site rules and wear appropriate PPE for the task and environment.
- The Brokk will be plugged into the mains power via 25m cable lengths and driven out of the van and tracked up the four flights of stairs. Once at the top, any back propping (if needed) will be put into place by CP.
- Once in the work area, the cables will be rerouted in the safest possible manner, above head height if possible.
- The Brokk will start work by breaking out the top flight of stairs and work its way down. As the Brokk progresses down the staircase, any steel work and debris will be cut and removed by CP. All scaffolding and back propping will be altered as necessary as works progress by CP. The Brokk will continue to work its way back down the staircase until works are completed.
- KHD are under the instruction of CP and will only break out areas they have been instructed too.
- Debris will be removed by CP as work progresses.
- At the end of every shift the Brokk will be parked in a safe manner, cables removed from the main power and placed in the operators van.



- At no point must any unauthorised personnel enter the working area of the Brokk, only the Brokk operator and authorised CP employees are allowed in the area. If anybody needs to enter the working area of the Brokk, they must signal the Brokk operator, the Brokk will lower its arms and the operator will turn the machine off at the control box.
- At break times, the Brokk remote control box must be left in a safe location away from the machine and the Brokk turned off at the machine.
- Once all work has been completed all KHD equipment will be removed from site.
- KHD Brokk operator to wear correct PPE at all times.
- All PAT testing, test certificates for machines and all operatives cards and test certificates will be handed into site at the start of works.
- The Brokk must be inspected daily before use and daily check sheets must be filled in by the operator. If the Brokk is found to have any faults or not in a safe working condition this must be reported immediately to the site supervisor and KHD plant manager. The Brokk must be replaced or fixed by a competent fitter before work can continue with the machine.