

Method Statement & Risk Assessment

RAMS_D00_001_Rev001

Client: Hughes & Salvage

Project: Tangmere House

Track Saw Cutting

Date of Submission: 27/09/23

Job No: D00

Author: Liam Chapman

Works Commence date: TBC,

Program Duration: On going,

Position: Contracts Manager

Reviewed on behalf of LDD	Name	Signature
Contracts Manager/Site Manager	Andy Wedge	<i>Andy Wedge</i>
Supervisor	Liam Chapman	<i>Liam Chapman</i>

Works Management and Monitoring Contact Details		
Position Role	Contact Name	Contact Telephone No.
Director	Paul Turner	07831 206122
Contracts Manager	Andy Wedge	07494 750210
Safety Manager	Richard Rachael	07739 657047

Reviewed By on behalf of MC	Name	Signature
Senior Project Manager		
Senior Construction Manager		
Senior Engineer		
Health & Safety Manager		

Issued to	Name:	Signature	Date
Risk Assessments/Method Statement Agreed/Approved Status	Yes Accepted ready for implementation	No Rejected works cannot commence must be amended & re-submitted	
Method Statement Approved/Agreed By	Name	Signature	Date

Revision Records				
Revision No.	Issue Date	Pages/Sections Amended	Prepared By	Approved/Agreed By
001	07/07/2019	Original Issue	A Wedge	<i>Andy Wedge</i>
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003				
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Distribution of controlled copies				
Revision No.	Issue Date	Recipient Name	Company Name	
001				
002				
003				
004				

Note: A copy of this document is to be retained for the Project Safety File.

A second copy of this document is to be retained by the LDD Supervisor in the Site Safety Pack.

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1 Scope of Works

To diamond track saw Murial in to sections, operatives will set up the track on the inside of the Murial, the track will be bolted to the wall with suitable anchors, blade will be fitted to the head and then then the guard, power and water will be connected, the operatives will control the saw remotely to cut to marks given by MC, sheet of poly will be taped just below the cut line for when the blade cuts through no slurry water will run down the tiles, the cutting process will be first cut with an 800mm diameter blade 100mm deep first pass, blade is 5mm 2nd pass will cut another 100mm of r/c, the operative will swing blade out of the cut switch the saw off, 800 diameter will be swapped over to a 1200mm blade which is 4mm thick, the operator will cut the final 40mm by tracking the head to end of the track then swing the blade round till its full depth then set the tracking at slow speed cutting through the outside tiles, once cut is complete operative will fit shims into the cut line, the same process for the opposite side cut then shim, the crane will be hooked on from the start taking the weight for the final cut, operator will set up 2m track on the final middle cut same process first 2 cuts with the 5mm thick 800mm diameter blade swap over to a 1200mm blade at 4mm thick, once final cut complete the cut section will be lifted away the operatives will break down saw and do a complete wash down of the saw, work area left tidy,

2 Check With Client for (please indicate checked ☒)

- ☐ Location of Live Services
- ☐ Clear access routes to work area,
- ☐ Co-ordination & notifications between other S/c operatives
- ☐ First aid facilities
- ☐ Emergency arrangements
- ☐ Permits
- ☐ Site environmental management plan (EMP)

3 Risk Assessment incl Hazards and Control Measures

- See Appendix 1 Risk Assessment

- See Appendix 2 COSHH Risk Assessment
- See Appendix 3 Manual Handling Risk Assessment
-

4 Sequences & Locations of Works

-
- Prior to any work commencing the working area will be inspected by LDD supervisor to ensure the area is clean & safe for the work to commence.
- The site manager will check the construction drawings are current and will arrange for the setting out to take place, once the setting out has taken place and agreed with the / LDD manager the saw cutting will commence.
- All operatives to be CSCS trained, qualified to NVQ Level 2 or working towards NVQ L2 in Drilling & Sawing
- After receiving site induction, LDD supervisor will brief the operatives on the RAMS and the operatives will sign them to say they read and understood them.
- Operatives to have mandatory PPE of hard hat, hi vis, safety boots, gloves and glasses + FFP3 Face mask if required see COSHH assessment.
- If required, any permits required must be obtained from MC prior to works commencing and any special conditions adhered to. (HOT WORKS)
- The operative in liaison with the main contractor will first check the work zone for appropriate access. Any problems with access or confined working spaces will be identified and brought to the attention of the main contractor.
- Client will issue via email an instruction to mobilise onto site with daily instructions to be issued and confirmed, approval to drill may need to be issued prior to drilling holes thru ground bearing slabs.
- If working at heights a podium or mobile access tower will be erected in accordance with the code of practice, the operatives shall be PASMA certified.
- All sawing equipment can be broken down into sections weighing less than 25kg but where practicable a wheelbarrow will be used to transport the plant to the work face in order to minimise manual handling.

Track saw cutting

- The operative will complete visual checks on the machine and control unit with particular emphasis on the power leads and moving sections where bolts may have loosened in transit. Any faults found must be reported to the Plant Manager immediately.
- The work area will be established using Chapter 8 barriers where necessary,
- The operative will complete visual checks on all plant and leads.
- The operative will position and fix the track to the wall using a TE76 or TE80 Hilti Drill and suitable fixing.
- 3 Phase power supplied by site. A water hose will be connected.
- The saw blade will be fitted, and blade guards adjusted.

- The operative will locate himself in a safe location with a good view of the work area and operate the saw remotely.
- Saw cut to as marked by site,
- The blade will be passed over the material surface until the desired depth is achieved. The track may have to be adjusted to create longer cuts.
- On completion break down saw and conduct builders clean.
- Remove water control system and tidy working area.

5 Emergency arrangements

- As per Site Specific Induction

6 Supervision and Training

- SMSTS: Liam Chapman 07921 223700
- Working Supervisor: Visiting supervisor
- *Liam Chapman 07921 223700 and Jason Grace 07710 709718 will be looking after this project,*
- *Liam Chapman SMSTS and Jason Grace SMSTS. All operatives will have CSCS,*

7 Technical Information

- None

8 Plant and Equipment

- Hand Tools,
- Appropriate diameter, type and length of core bits
- Wet Vac
- Hilti track saw
(Data sheets attached on request)

9 Manual Handling

- Please refer to Manual handling section in RA

10 Power Requirements

- 110V 32 Amp power to be supplied by site on each level, 3phase,

11 Access and Egress

- All LDD operatives will be required to sign in and out of site.
- Access and Egress routes will be as per MC Site specific induction,

12 3rd Party Protection

- Barriers to be used to create a safe zone where other trade contractors or third parties can freely access the area,

13 Communication

- RAMS to be briefed to operatives before any works commence,
- Changes to work patterns must be recorded as addendum and briefed to operatives,
- Toolbox talks to be given weekly,

14 PPE Requirements

- All operatives shall wear as a minimum:
- Hard Hat – EN397 Fitted with chin strap at all times,
- Safety footwear – EN345-1 S3
- Hi Viz Vest
- Gloves – EN388
- Glasses – EN166S
- FFP3 Face mask (as per COSHH assessment)
- Hearing Protection – with min 35 SRN

15 Lighting

- All background and emergency lighting will be provided by the MC,
- LDD will provide any task lighting required (no halogen)

16 Working at Height inc, access equipment requirements

- All working will be off site scaffold,

17 Fire

- Operatives will be familiar with the emergency response plan from the site induction.

18 Monitoring Inspections and QA

- All works will be recorded on LDD daily work sheets these will be presented to the MC project teams for approval at the end of each shift.
- System to be used to record hole positions and completion handover.
- MC to inspect as required,

19 COSHH

- Silicon dust produced from drying slurry See COSHH assessment below,

20 Environmental & Waste Control

- Materials do not create an environmental hazard and can be disposed of in accordance with SWMP as standard construction waste.

21 Appendices

- Please see attached.

Risk Assessment

Project Name & No.:	Hughes & Salvage		Project Manager:	Ian						
Risk Assessment Completed by:	Name: Andy Wedge		Signed: <i>Andy Wedge</i>	Date: 27/09/23						
Risk Assessment Reviewed by:	Name: Paul Turner		Signed: P Turner	Date:						
Likelihood Rating Key:	Severity Rating Key:		Severity Rating							
				5	4	3	2	1		
5	Frequent [1 or more per week]	5	Multiple or Single Fatality or Collapse of Structure	Likelihood Rating	5	25	20	15	10	5
4	Probable [1 per month]	4	Major Injury or Major Damage to Property		4	20	16	12	8	4
3	Occasional [1 per year]	3	Reportable Lost Time Injury or Significant Damage to Property		3	15	12	9	6	3
2	Remote [1 in 10 years]	2	Other Lost Time Injury or Damage to Property		2	10	8	6	4	2
1	Improbable [1 in 100 years]	1	Minor Injury		1	5	4	3	2	1
Residual Risk Rating Matrix Key:										
12 – 25:	Unacceptable level of risk. Risk level MUST be reduced. Operations WILL NOT proceed until the level of risk is reduced to an acceptable level. Requirement for the works need to be reviewed and alternative methodologies investigated where risk cannot be reduced to an acceptable level.									
5 – 11:	Risks acceptable where principles of prevention have been applied and control measures implemented to reduce risk so far as is reasonably practicable. Activity, operation or works creating the hazard and risk must be managed and supervised to ensure continued effectiveness and compliance with the control measures.									
1 – 4:	Acceptable level of risk. Risk associated with the hazard is considered to be of an acceptable level. Continual reviews to confirm hazards and risks remain adequately controlled.									

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				L	S	IRR			L	S	RRR
Diamond drilling and track sawing	Contact with machine: Impact from drill kicking causing serious injury.	LDD Operator	Serious Injury or Death	3	3	9	- Operative will ensure that the drill / track saw rig is securely fixed to the wall before starting the motor and an adequate water flow is available to lubricate the core / blade, - Equipment is operated in accordance with the industry safe code of practice.	LDD Operative	1	3	3
Diamond drilling & Track Sawing	Electrocution	LDD Operator	Serious Injury or Death	3	5	15	- All Drill / Saw motors will have an inline circuit breaker. - All electrical equipment will have a current PAT test tag. - All leads and plant will be inspected at the beginning of the shift and defective equipment removed from use	LDD Operative	1	5	5
Working on Site	Slips trips and falls	LDD Operator and all site personnel.	Serious Injury or Death	4	3	12	- All work areas must be clear and leads will be tied above head height where practicable. - Edge protection to be secured when required. - Operator to observe good housekeeping and keep work area tidy and free from trip hazards.	LDD Operative	1	3	3
Hand Held drilling	HAVS: Long term health risk	LDD Operator	Long term health risk	4	3	12	- Limited to RP drilling bolt down holes for rigs and tracks. - Operatives will ensure that exposure limits are not exceeded. Based on manufacturers testing: EAV 8 hours ELV: >24hours. - Operatives will take regular breaks and rotate where applicable. - Daily records to be kept recorded on daily work sheet.	LDD Operative	1	3	3

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				L	S	IRR			L	S	RRR
Diamond drilling and track sawing	Contact with live services:	LDD Operator	Serious injury or death.	4	5	20	- All services will be surveyed and clearly marked by the Main Contractor and the appointed M&E contractor. - Where services cross locations to be drilled, the MC will arrange for their relocation or disconnection. - Operatives must request isolation certificates where applicable.	LDD Operative	1	5	5
Diamond drilling and Track sawing	Contact with falling objects:	LDD Operator and other trades	Serious injury or death.	4	5	20	- An exclusion zone will be erected below the active work area using barriers. - A core watcher will be in attendance to ensure no one enters the area below. - The core watcher will only enter when granted permission from the drilling operative. - All hand tools will be tethered to prevent falling objects.	LDD Operative	1	5	5
Diamond drilling and track sawing	NOISE	LDD Operator and other trades	Long term and short term hearing damage	5	3	15	- Operatives and others nearby will be required to wear hearing protection with a SNR value of 20db. - An exclusion zone will be erected and MC advised to inform other contractors of the location.	LDD Operative	1	3	3
Manual Handling	MANUAL HANDLING Injury to body	LDD Operator	Serious Injury	4	3	12	- Diamond Drilling & Sawing plant can be broken down into sections weighing less than 25kg. Where practicable mechanical aids will be used to minimise manual handling eg. Wheelbarrows to transport plant to the work area. - Care to be taken when removing cores.	LDD Operative	1	3	3

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				L	S	IRR			L	S	RRR
Diamond drilling & Track Sawing	Concrete Slurry:	LDD Operator	In contact with skin, causing long term ill health	4	3	12	- Slurry will be collected / contained within water bins or wet vacs and allowed to settle. Solids can be disposed of as standard C&D waste and remaining water can be diluted and reused. - Full PPE should be worn to avoid contact with skin and eyes. In the event of contact, first aid should be given in accordance with the COSHH assessment sheet.	LDD Operative	1	3	3

COSHH ASSESSMENT

Project Name & No.:	Hughes & Salvage	Project Manager:	Ian
COSHH Assessment Completed by:	Name: Andy Wedge	Signed: <i>Andy Wedge</i>	Date: 27/09/23
COSHH Assessment Reviewed by:	Name: Paul Turner	Signed: P Turner	Date:

Substance	Hazard Classification									
Name: Concrete Slurry										
Physical State: Liquid Slurry and dust when dry				X		X		X	LOW HAZARD	
Supplier/ Manufacturer: N/A	Hazard Statements: • May cause irritation, inflammation or burns to eyes or skin once in contact. • May also cause irritant contact dermatitis or allergic (chromium) dermatitis. • May cause inflammation of mucus membranes.									
Telephone Number/ Emergency Number: LDD Construction 020 7277 3877	Precautionary Statements: • Personal hygiene is scrupulous. • PPE to include dust masks to FFP3 and goggles (EN 166), impermeable gloves. • Barrier cream is to be used. • Polythene sheeting installed to catch slurry from the drilling works running into a bin.									
Has the prevention of exposure to this material been considered? (e.g. elimination or substitution) • Minimise dust release by use of water / mist spray. • On-Tool Extraction	Chemical Composition: • Calcium Aluminate • Calcium Sulphate									

- Calcium Silicate

Have all potential chemical incompatibilities / by-products resulting from this task been considered? YES

Occupational Expose Limits (O.E.L)

- Total Inhalable Dust: 10mg/m3
- Respirable Dust: 5mg/m3

Description of Work

Description of process:

Diamond drilling and sawing cutting

What is the material used?

Concrete cutting slurry (Mix of water and concrete dust)

Quantity of use:

As required to cool drill bit/blade

Duration of exposure:

8 Hour max

Frequency of exposure:

Whilst drilling and cutting

Who could be exposed?

LDD operative and other trades

Uncontrolled Risk Level

Route of Entry	Skin Contact / Absorption YES	Ingestion YES	Inhalation YES	Invasion / Injection NO
Risk	Contact dermatitis or allergic (chromium) dermatitis	May cause inflammation of mucus membranes.	lung cancer, silicosis, chronic obstructive pulmonary disease (COPD), asthma.	
Risks / Hazards	Controls for operators		Controls for other people	First aid emergency action
Inhalation	Water / On tool extraction Respirator Protective Equipment (RPE) min APF 20		Exclusion zone for dust / slurry	Remove from affected area gently wash out nasal passage with fresh clean water, seek medical advice if operative has breathing difficulties.
Ingestion	Water / On tool extraction Respirator Protective Equipment (RPE) Min APF 20		Exclusion zone for dust / slurry	Remove from affected area gently wash out with fresh clean water, seek medical advice
Eye Contact	Glasses – EN166S		Exclusion zone for dust / slurry	The eye should be washed out with sterile eye wash several times and the eye covered with an eye pad.

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Skin Contact	Barrier Cream Gloves – EN388	Exclusion zone for dust / slurry	Wash with copious amounts of clean water seek first aid advice.	
Emergency Arrangements		Handling, Storage and Disposal		
Fire-fighting Measures	Accidental Release Measures	Handling	Storage	Disposal
N/A	Dust Vac, Wet vac and spill kits to contain.	Wet vac dust vac and separation tanks	Wet vac, Dust vac, separation tank	Separation tanks and into on site skips

Description	Required		Additional Requirements	
	Yes	No	Details	Frequency
Face-fit Testing	X		Face fit test for each	
Maintenance	X		Ensure RPE is in good working order, cleaned and stored correctly. Change RPE filters as recommended by the supplier Ensure , Coveralls are washed	
Monitoring (Air/Biological)		X		
Health Surveillance	X		Health surveillance questionnaire,	Yearly and as required
Information, Instruction and Training	X		Regular toolbox talks	
Specific Emergency Procedures		X		