

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	07							
Task/Activity:	Electrical Hand Tools/Equipment	Project No.:								
		Date Prepared:								
HAZARDS		Likelihood		Severity				Risk Score		
Ref.	Key hazards associated with the above task/activity.	Probable 3	Occasional 2	Remote 1	Catastrophic 5	Critical 4	Serious 3	Marginal 2	Negligible 1	Likelihood x Severity
	Score:									
1	Electrocution			X	X					5
2	Noise/vibration		X				X			6
3	Flying particles from the material being worked		X					X		4
4	Flying particles from damaged tools			X			X			3
5	Trailing cables		X					X		4
6	Entanglement with moving parts			X			X			3
7	Sudden/unexpected movement of the tool		X					X		4
8										
9										
10										
Risk Assessment Scores:		10+ High Risk		5-9 Medium Risk		1-4 Low Risk				

PERSONS AFFECTED					
Operatives	X	Members of Public		Site Visitors	
Other Workers		Managers		Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection	X
Hearing Protection	X	Eye Protection	X	Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
<ul style="list-style-type: none"> ➤ All operatives and others in the area should be advised when noise, dust and other flying particles are likely to be present. ➤ All operatives should be instructed in how to inspect and check the equipment prior to using it. ➤ All operatives to be trained in the use, selection and storage of the tools they use. 	<ul style="list-style-type: none"> ➤ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work.

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training	Managerial Controls
<ul style="list-style-type: none"> ➤ At least one person on site shall have received training in electric shock treatment. 	

Physical Controls	Procedural Controls
<ul style="list-style-type: none"> ➤ All electrical power tools to be 110v or less. ➤ Power sockets shall not be overloaded. ➤ The supply voltage shall always be within the operating range of the selected tool. ➤ Trailing cables shall be managed to reduce the risk of slips, trips and falls. ➤ All tools shall be earthed or double insulated ➤ Temporary and impromptu repairs shall not be allowed. ➤ All tools and cables shall be inspected before use. ➤ Transformers shall be centre tapped to earth. ➤ When not in use, all tools shall be disconnected from its electrical supply. ➤ All damaged and defective equipment shall immediately be taken out of use, reported to the supervisor and marked as being defective. 	<ul style="list-style-type: none"> ➤ A planned preventative maintenance system shall be implemented whereby all equipment shall be regularly inspected, tested and maintained in accordance with manufacturers recommendations. ➤ Where equipment is to be used in damp or confined spaces, management shall be responsible for ensure the correctly rated equipment is made available.

HSE & Other Guidance	Comments
<ul style="list-style-type: none"> ➤ HSE Guidance Notes – Safe Use of Portable Electrical Equipment. ➤ Electricity on Construction Sites. ➤ HSE Information Sheet – Maintenance of Portable Electrical Equipment . 	<ul style="list-style-type: none"> ➤

Residual Risk Rating

Considering the above control measures

LOW

Assessment Prepared by:

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Signature: *Paul Daniels*

Date: 01.08.2018

This risk assessment should be read in conjunction with all relevant method statements, safe systems of work and associated risk assessments as detailed on the Risk Assessment Briefing Record