



RAMS PRO ZONE

RISK ASSESSMENT

(ENABLING WORKS-ELECTRICAL AND MECHANICAL SERVICES)

Document No: QHSE-RA-EMS-01
Date of issue: 01-01-2025
Revision: 00

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TASK / ACTIVITY:	Electrical & Mechanical, Existing services		
DATE OF ASSESSMENT:		DATE OF NEXT ASSESSMENT	00-00-2025
PROJECT / LOCATION:			

Sr.	Hazards	Risks	Persons in Danger	Risk Level			Control Measures	Residual Risk			Remarks
				L	S	RR		L	S	RR	
1	● Cutting live cables ● Bursting or cutting water pipes ● Arcing /fire	● Electrocution ● Serious burns - Fires	● Employees Other ● subcontractors' Client/employees	4	3	12	● All contractors involved must liaise and schedule works in a coordinated manner, whilst briefing all concerned through inductions and toolbox talks. ● Competent persons such as plumber or electrician to make safe works area prior to installing ducting. ● Lock out or permit work orders to be issued where necessary and supervised to ensure compliance. ● Suitable fire extinguisher to be present during work. ● Isolate power and other energy sources where it is safe to do and without causing interference to necessary services. ● Suitable first aid box to be present on site and all products must be in date. ● Fire blanket to be used where cutting may expose itself to combustible materials.	1	3	L	



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							• Electrical panel doors to be secure at the end of the working day. A suitable fire extinguisher must be at hand for people working on electrical panels, preferably CO2.				
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Risk Matrix

		SEVERITY						CONSEQUENCES: 6 – Catastrophic – Multiple fatalities 5 – Major - Single Fatality 4 – Serious – Permanent disability 3 – Moderate – Lost Time Injury 2 – Minor – Medical Treatment 1 – Insignificant – First Aid Case
LIKELIHOOD		Insignificant	Minor	Moderate	Serious	Major	Catastrophic	
	1	1	2	3	4	5	6	
	2	2	4	6	8	10	12	
	3	3	6	9	12	15	18	
	4	4	8	12	16	20	24	
	5	5	10	15	20	25	30	
	6	6	12	18	24	30	36	
24 - 36	Extreme	Immediate action required, Activity should not to proceed in current form						
15 - 20	High	Prompt action required, including interim actions. Activity should be modified to include remedial action and planning.						



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	8 - 12	Medium	Schedule action including any interim countermeasures e.g. implement safe work procedures, signage, instructions	
	4 - 6	Low	Activity can operate subject to management and or modification,	
	1 - 3	Very Low/ Negligible	Risk almost certainly acceptable, no action required unless escalation of risk is possible	

LIKELY FREQUENCY:

Likelihood (of Adverse Event Occurring)			
	Description	Health & safety	Environmental
6	Almost certain or imminent	Occurs all the time	Continuous or will happen frequently
5	Highly likely	Common occurrence, Occurs multiple times in a year	Happens 5 – 10 times per year
4	Likely or could occur	Know to occur in the last 12 months	1 – 5 times per Year
3	Not likely, but possible	Has occurred in an industry worldwide	Once every 5 years
2	Unlikely	Has not occurred in over 10 years of the same activity	Not happened in over 10 years
1	Rare	Theoretically possible, but not expected to occur	theoretically possible, but not expected to occur

Prepared by:		Approved by:	
Sign:	Date: 00/00/2025	Sign:	Date: 00/00/2025



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