

R	oof Bolting Risk Assessme	ent	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
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THIS RISK ASSESS	IENT IS APPROVED BY THE PC		
Under the Work Health and Safety Regulation (WHS Regulation), a prepared before the proposed work starts.	person conducting a busine or un	ndertaking PCBU required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CLY		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project Manual.			



				F	RISK MATRIX		
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE MA	JOR CATASTROPH			HIERARCHY OF CONTROLS
ALMOST CERTAIN	3 HIGH	3 HIGH		4 4 JTE ACUTE	SCORE	ACTION	Elimination Remove the hazard.
LIKELY	2 MODERATE	3 HIGH	U U U U U U U U U U U U U U U U U U U	4 4 JTE ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard. Isolation
POSSIBLE	1 LOW	2 MODERATE		4 JTE ACUTE	3H HIGH	Rev before work art	Isolate People from the hazard Engineering Isolate the
UNLIKELY	1 LOW	1 LOW		3 Z GH ACU E	MC RATE	Ensure control measures in place.	Activité istrativ e Chang
RARE	1 LOW	1 LOW		3 GH H. 1	1L LOW	Monitor and keep records.	PP
Risk Rating & Required Action:         4A       Stop work. The risk is intolerable, cominate the hazard predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or his er-level authorisatic is required.         3H       Review and approve additional controls to constrain the state arts. Senior supervisor sign-off needed.         2M       Ensure all nominated controls are imprace and efficience. Proceed with caution; monitor conditions.         1L       Proceed, following standard operating procedurer Monitor and keep records.         Consequence Scale:							Notes on Hierarchy of Controls:         Remember to apply controls in the preferred order shown by the coloured pyramid:         1.       Eliminate         2.       Substitute         3.       Isolate         4.       Engineering         5.       Administrative         6.       PPE
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat		Always document why a lower-order control is accepted if
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	Significant regulator intervention; criminal prosecution Improvement notice; major media coverage		elimination or substitution is not reasonably practicable. aligned with Safe Work Australia's Managing the risk of fatigue at
Moderate	Medical-treatmen	nt injury; lost-tim	e > 1 moderate dela	y Minor breach; ad	Minor breach; adverse client comment		work (2023) and ISO 45001:2018 clauses 6–8.
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance		
			no schedule	Deviation caught and corrected on site			



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	Incomplete briefing, Unfamiliar with PPE	4A	<ul> <li>Conduct a safety briefing before starting</li> <li>Ensure all workers are familiar with PPE</li> <li>Distribute printed instructions</li> <li>Verify communication devices are operational</li> <li>Assign roles and responsibilities</li> <li>Review rescue protocols as acroup</li> <li>Confirm everyonce transition network equipment</li> <li>Check that the environment is safety startine work</li> <li>Assign weather conditions</li> <li>Emplaye the incrutance of reporting hazards</li> </ul>	2M
2. Site Induction	New workers, Unfamilier and yout	2	<ul> <li>Conduct the origh situated of rew workers</li> <li>Fork energenerexits clearly</li> <li>Provide maps to all staff</li> <li>splain the location of first aid stations</li> <li>Conduct walkthroughs of the site before work begins</li> <li>Introduce key personnel</li> <li>Highlight escape routes</li> <li>Schedule regular review sessions</li> <li>Assign a buddy to new workers</li> <li>Clarify site-specific rules and operations</li> </ul>	2M
3. Inspection of Bolting Equipment	Faulty equipment, Missing components	4A	<ul> <li>Perform a pre-start equipment inspection</li> <li>Maintain an up-to-date equipment checklist</li> <li>Verify all equipment is certified for use</li> <li>Check for visible damage or wear</li> <li>Confirm all components are present</li> <li>Use only approved tools for inspection</li> <li>Make note of any defects</li> <li>Obtained sign-off from supervisor after inspection</li> </ul>	2M



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			- Replace worn or damaged parts immediately	
			- Ensure regular maintenance logs are kept	
4. Setting Up Fall Protection	Falls from height, Incorrect setup	4A		1L
5. Verification of Site Conditions	Unstable surfaces azardous materials	ЗН		2М
6. Installation Planning	Incorrect measurements, Insufficient preparation	ЗН		2М

Version 2.5



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7. Securing Work Area	Unauthorised access, Distracted workers	ЗН		2М
8. Equipment Operation	Operator error, Mean en aumure	J.A		2М
9. Drill Hole Preparation	Incorrect drill use, Dust inhalation	4A		2М

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10. Sensor Installation	Electric shock, Incorrect placement	ЗН		2М
11. Roof Bolt Installation	Collapsing structure, Injury from equipment	4A		2М
12. Quality Assurance	Installation errors, Compromised bolt integrity	ЗН		2М



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13. Clean-Up and Debrief	Slip hazards, Overlooked unsecured items	ЗН		1L
14. Review and Report	Data incompleteness, Miscommunication	2М		1L
15. Continuous Improvement	Static processes, Resistance to change	2М		1L

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#### **EMERGENCY RESPONSE – CALL 000 FOR EMERGENCIES**

Ensure to have an Emergency Management Plan in place as well as adequate numbers of trained first aid staff with easy access to fully stocked first aid kits, rescue equipment, material safety data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

LEGISLATIVE R	EFERENCES
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEG	ISLATIVE REFERENCES ANY STATE AT ARE NOT APPLICABLE
Queensland & Australian Capital Territory Work Health and Safety Act 2011 Work Health and Safety Regulations 2011 Legislation QLD: <u>https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws</u> Codes of Practice QLD: <u>https://www.worksafe.gld.gov.au/laws-and-compliance/codes-of-practice</u> Legislation ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations</u> Codes of Practice ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</u>	Victoria Occupational Health and Safety Act and 4 Occupational Health and Safety Act and 4 Occupational Health and Safety Subject Safety Safet
New South Wales Work Health and Safety Act 2011 Work Health and Safety Regulations 2017 Legislation NSW: <u>https://www.safework.nsw.gov.au/legal-obligations/legislati</u> Codes of Practice NSW: <u>https://www.safework.nsw.gov.au/resource-library/lis</u>	Western Australia Work Health and Safety Act 2020 Work Health and Safety Regulations 2022 Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u> Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u>
Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation 2011 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/workplace-serve-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formered-resources/compliance/workplace-serve-laws</u>	Safe Work Australia Links Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u> Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model- codes-of-practice</u>
South Australia Work Health and Safety Act 2012 (SA) Work Health and Safety Regulations 2012 (SA) Legislation for SA: <u>https://www.safework.sa.gov.au/resources/legislation</u> Codes of Practice for SA: <u>https://www.safework.sa.gov.au/work_daces/codes-of-practice#COPs</u>	Model Codes of Practice  - Managing noise and preventing hearing loss at work - Confined spaces - Labelling of workplace hazardous chemicals - Managing risks of hazardous chemicals in the workplace - Welding processes
Tasmania         Work Health and Safety Act 2012         Work Health and Safety (Transitional and Consequential Provisions) Act 2012         Work Health and Safety Regulations 2012         Work Health and Safety (Transitional) Regulations 2012         Legislation for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations">https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</a> Codes of Practice for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a>	<ul> <li>First aid in the workplace</li> <li>Managing the risk of falls at workplaces</li> <li>Hazardous manual tasks</li> <li>Managing the risk of falls in housing construction</li> <li>Managing electrical risks in the workplace</li> <li>Demolition work</li> <li>Excavation work</li> </ul>
Details of permits, licenses or access required by regulatory bodies (add or delete as required): Permits from local council Authorisation to commence work	<ul> <li>Work health and safety consultation, cooperation and coordination</li> <li>Managing the work environment and facilities</li> <li>How to manage work health and safety risks</li> <li>Managing risks of plant in the workplace</li> <li>Construction work</li> </ul>

- Any required documents.