

CREW DETAILS

IN AN EMERGENCY CALL:

Crew Leader:	Project Phone Number:
Crew:	

PROJECT OVERVIEW

Purpose of Project:	Date of Project:
<p>Benefit of Project: Creates functional and aesthetically pleasing structures. Enhances the durability and longevity of buildings. Ensures compliance with building codes and safety standards. Facilitates the integration of sustainable and energy-efficient practices. Improves property values and community development. Supports economic growth through infrastructure development.</p>	

HAZARDS

HAZARD	RISK	RISK BENEFIT	MEASURE	RISK TO	RISK LEVEL
Confined space entry	Suffocation, toxic exposure, entrapment	Allows work in areas like tanks and crawl spaces, necessary for certain construction activities.	Conduct atmospheric testing before entry. Implement permit-to-work systems. Provide specialized training and emergency rescue plans. Use appropriate PPE and ensure continuous monitoring during occupancy. (ALL)	Workers, contractors	Before Measure: High After Measure: Med
Exposure to asbestos	Asbestosis, lung cancer, mesothelioma	Enables renovation and demolition of older structures containing asbestos.	Identify and assess asbestos-containing materials. Engage licensed professionals for removal. Implement strict containment and disposal procedures. Provide respiratory protection and health monitoring. (ALL)	Workers, contractors	Before Measure: High After Measure: Med

HAZARD	RISK	RISK BENEFIT	MEASURE	RISK TO	RISK LEVEL
Exposure to hazardous substances	Chemical burns, respiratory problems, long-term health issues	Allows the use of necessary materials like solvents and adhesives, facilitating various construction processes.	Identify and assess hazardous substances present. Implement proper storage and labeling. Provide personal protective equipment (PPE) such as gloves and masks. Ensure adequate ventilation and conduct regular health monitoring. (ALL)	Workers, contractors	Before Measure: High After Measure: Med
Exposure to silica dust	Silicosis, respiratory diseases, lung cancer	Allows for activities like concrete cutting and drilling, essential in construction.	Implement dust control methods such as wet cutting and local exhaust ventilation. Provide respiratory protection and conduct air monitoring. Train workers on the hazards of silica and enforce good housekeeping practices. (ALL)	Workers, contractors	Before Measure: High After Measure: Med
Manual handling of materials	Muscle strains, back injuries, repetitive strain injuries	Enables the movement and positioning of materials essential for construction activities.	Provide training on proper lifting techniques. Utilize mechanical aids like forklifts and hoists to reduce physical strain. Design workspaces to minimize the need for manual lifting and encourage team lifting for heavy loads. (ALL)	Workers	Before Measure: High After Measure: Med
Operating heavy machinery	Crush injuries, collisions, entrapment	Enables efficient execution of tasks such as excavation and material transport, enhancing productivity.	Ensure operators are certified and trained. Conduct regular maintenance and safety checks on machinery. Establish clear communication protocols and use spotters in complex operations. (ALL)	Workers, contractors	Before Measure: High After Measure: Med
Electrical work	Electrocution, burns, fires	Facilitates the installation and maintenance of electrical systems vital for building functionality.	De-energize circuits before work begins. Use insulated tools and PPE. Follow lockout/tagout procedures to prevent accidental energization. Ensure compliance with electrical codes and standards. (ALL)	Workers, contractors	Before Measure: High After Measure: Low

HAZARD	RISK	RISK BENEFIT	MEASURE	RISK TO	RISK LEVEL
Exposure to extreme weather	Heat stroke, hypothermia, dehydration	Ensures project timelines are met despite weather challenges.	Monitor weather forecasts and plan work schedules accordingly. Provide appropriate clothing and hydration. Establish shelters for breaks and educate workers on recognizing signs of heat stress or hypothermia. (ALL)	Workers, contractors	Before Measure: High After Measure: Low
Noise exposure	Hearing loss, stress, reduced communication	Allows the operation of necessary equipment, maintaining workflow efficiency.	Conduct noise assessments and implement engineering controls like sound barriers. Provide hearing protection such as earmuffs or earplugs. Schedule regular hearing tests and enforce quiet zones where possible. (ALL)	Workers, contractors	Before Measure: Med After Measure: Low
Scaffolding erection and use	Falls, scaffold collapse, falling objects	Provides safe access to elevated work areas, facilitating construction progress.	Design scaffolds according to standards. Ensure competent persons conduct inspections before use. Provide fall protection and secure scaffolds to prevent tipping. Train workers on safe practices and load capacities. (ALL)	Workers, contractors	Before Measure: High After Measure: Low
Trenching and excavation	Cave-ins, falling objects, equipment accidents	Facilitates the installation of underground utilities and foundations.	Conduct soil assessments and implement protective systems like shoring or trench boxes. Ensure proper sloping and benching. Keep heavy equipment away from trench edges and provide safe access and egress. (ALL)	Workers, contractors	Before Measure: High After Measure: Low
Use of power tools	Lacerations, burns, eye injuries	Enables efficient completion of tasks such as cutting and fastening.	Ensure tools are well-maintained and equipped with safety features. Provide training on proper use and PPE. Implement regular inspections and establish protocols for defective tool reporting. (ALL)	Workers	Before Measure: Med After Measure: Low

HAZARD	RISK	RISK BENEFIT	MEASURE	RISK TO	RISK LEVEL
Vibration exposure	Hand-arm vibration syndrome, fatigue, reduced dexterity	Permits the use of tools like jackhammers, essential for specific construction tasks.	Use vibration-dampening equipment and maintain tools to minimize vibration levels. Implement job rotation to limit exposure duration. Provide anti-vibration gloves and conduct health surveillance for early detection of vibration-related conditions. (ALL)	Workers	Before Measure: Med After Measure: Low
Working at heights	Falls from height, head injuries, fractures	Allows for the completion of tasks like roofing and high-level installations, which are integral to construction projects.	Implement fall protection systems such as guardrails, safety nets, and personal fall arrest systems. Conduct thorough training on ladder and scaffold safety. Regularly inspect equipment and enforce the use of harnesses and lanyards. (ALL)	Workers, contractors	Before Measure: High After Measure: Low
Unpredicted risks	Illness, injury, death		Continuous risk monitoring conducted by all staff. Any unforeseen hazards must be reported promptly to supervisors or management, with immediate corrective action taken as necessary. (ALL)	All	N/A

NOTES

Extra notes & activity evaluation:

Completed by

Reviewed/Approved by

Risk Assessment Date

Review Required Date