

Activity Hazard Analysis (AHA)

ACTIVITY/WORK TASK:	01 51 33	Overall Risk Assessment Code (RAC) (Use highest code)				L	
	TEMPORARY TELECOMMUNICATIONS	Activity #		AHA #			
PWD/OICC/ROICC OFFICE		Risk Assessment Code (RAC) Matrix					
NAME & DATE ACCEPTED BY GDA:		Severity	Probability				
CONTRACT NUMBER:	N62473-13-D-7436		Frequent	Likely	Occasional	Seldom	Unlikely
TASK ORDER/DELIVERY #:	1991-D-3695		E	E	H	H	M
PRIME CONTRACTOR:	RFRS Construction		E	H	H	M	L
SUBCONTRACTOR:	CP Construction		H	M	M	L	L
DATE OF PREPARATORY MEETING:			M	L	L	L	L
DATE OF INITIAL INSPECTION:		Catastrophic					
CONTRACTOR COMPETENT PERSON:	Steve Gabriel	Critical					
SITE SAFETY and HEALTH OFFICER	John Smith	Marginal					
		Negligible					
ACCEPTANCE BY GOVERNMENT DESIGNATED AUTHORITY (GDA)		Review each "Hazard" with identified safety "Controls" and determine (RAC)					
E = EXTREMELY HIGH (PWO/OICC/ROICC)		Identify the RAC (Probability/Severity) as E, H, M, or L for each "Hazard" .Place the highest RAC at the top of AHA. This is the overall risk assessment code for this activity					
H = HIGH RISK (FEAD DIRECTOR)		<p>"Severity" is the outcome/degree if an incident, near miss, or accident did occur and identified as: Catastrophic, Critical, Marginal, or Negligible after controls are in place</p> <p>"Probability" is the likelihood to cause an incident, near miss, or accident did occur and identified as: Frequent, Likely, Occasional, Seldom, or Unlikely after controls are put in place.</p>					
M = MODERATE RISK (CM or ET or PAR)							
L = LOW RISK (ET or PAR)							
JOB STEPS	HAZARDS	CONTROLS	RAC				
Site-specific/Job-specific training for workers	Employees not trained in the safe execution of their tasks may harm themselves or others	- Use this Activity Hazard Analysis and other formal and informal training as a means to train workers. NOTE: If the scope of work detailed below changes in any way, contact the Safety Department and complete an AHA amendment detailing the new scope of work.	L				
Put on your personal protective equipment.	Head, foot, or eye injury Personnel being struck by equipment/trucks Hearing damage	- Workers entering the job site must wear a hard hat, safety glasses, reflective vest and safety-toed work boots AT ALL TIMES. - Wear gloves when handling sharp objects. - Do not wear clothing or jewelry that could easily get snagged or caught by equipment or machinery.					
		EM385--1-1, Sect. 5.A, 5.B, 5.C, 5.D, 5.E, 5.F	L				

JOB STEPS	HAZARDS	CONTROLS	RAC
Receive deliveries and store material	Crushing or pinching hands or feet Excessive material handling Strains and Sprains	<ul style="list-style-type: none"> - When moving material, keep hands and feet clear of pinch points. Stack material on stickers. - Store material in such a manner that it will not be blown or knocked over. - Stay clear of moving machinery, heed backup alarms and get out of the way. - Stage material as close to its final destination as possible. - Use safe lifting techniques. <p>EM385-1-1, Sect. 14.A</p>	L
Check electrical cords	Electrocution- faulty electrical cords	<ul style="list-style-type: none"> - Do not use electrical cords with cuts, worn insulation, or visible conductors. - Use cords rated for hard or extra-hard usage. - Use factory-assembled cord sets as much as possible. Repairs must preserve the original electrical and mechanical integrity of the cord. - Electrical tape fixes are prohibited and replacement plugs must be properly sized and provided with strain relief clamps. - Check that the ground prong is in tact. <p>EM385-1-1, Sect. 11.A.03, 11.A.06, 11.A.10</p>	L
Inspect tools	Injury due to defective or improperly functioning power tools Electric shock from defective tools. Impact injuries, splinters Impact injuries from spinning tool	<ul style="list-style-type: none"> - Remove defective tools from the job site. - Wooden handles for tools are secured tightly in the tool and free of cracks and splinters. - All saws are equipped with properly functioning manufacture installed guards. - Hand held power tools (saws, drills, grinders) are equipped only with a constant pressure switch. - Pneumatic nailers have a functioning safety device on the muzzle to prevent ejection unless muzzle in contact with work surface. - Only use tools for their intended use. - Use only GFCI protected outlets. - Tag defective tools and remove them from the workplace. <p>EM385-1-1, Sect. 13.A, 13.B, 13.C, 13.D, 13.H</p>	L
Re-fuel gas powered tools	Fires, explosions, burns	<ul style="list-style-type: none"> - Use only approved metal safety cans to store and dispense fuel. - Place oily or fuel soaked rags and other combustibles in approved containers. - DO NOT SMOKE WHILE REFUELING. <p>EM385-1-1, Sect. 9.B, 26.D</p>	L

JOB STEPS	HAZARDS	CONTROLS	RAC
Layout, communication, and preparatory instructions	Lack of coordination between workers- Mistakes, Injuries	<ul style="list-style-type: none"> - Before beginning each phase of work the foreman will explain to the workers what needs to be done and how the work will proceed. - All rebar which is below the level where work is ongoing onto which workers could fall must be protected with square type rebar caps. - Be aware of your surroundings while moving materials, watch where you are going. - Never move materials over or above workers. 	L
Moving material	Strains from lifting Striking and injuring co-workers with materials Crushed by	<ul style="list-style-type: none"> - Team lift heavy or awkward materials. - Use safe lifting techniques. - Use material handling aids whenever possible. - Be aware of your surroundings and watch where you are going while carrying material. - Never move materials above coworkers. - When receiving/stocking material through a wall or floor opening, do not stand in front or above the opening where you could fall. - (See training and inspection requirements for reach-lifts below.) - When stocking material above ground level up to 35-feet , a reach-lift will place the pallet as close to the material's final destination as possible, then hand stocking will occur. <p>EM385-1-1, Sect. 14.A See Activity Hazard Analysis on forklift operation</p>	L
Roll out tools and set up equipment	Tripping - Hoses, Cords, Compressor	<ul style="list-style-type: none"> - Keep corridors and high traffic areas free of cords, hoses, and other equipment. - Completely unroll all hoses and cords, avoid tangles. - Arrange hoses and cords in an orderly fashion. - Clean up scrap materials and debris before and after working in an area. - Maintain Good housekeeping. - All trash and debris shall be put in appropriate locations. - Do not leave tools and materials laying around on the ground. <p>EM385-1-1, Sect. 14.C</p>	L
Hoist and Set Material/Components (Forklift)	Unexpected movements Materials striking and injuring workers Crushed by falling material Swinging loads striking and injuring workers	<ul style="list-style-type: none"> - Assure that there is good communication between workers and the lift operator. - Never walk under a raised load. - Use a tag line on all loads to help stabilize the load and maneuver it into position. <p>EM385-1-1, Sect. 13.D, 14.A, 21.A, B, C, H, 27.A, B, C</p> <p>See Activity Hazard Analysis on Forklift Operation</p>	L

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JOB STEPS	HAZARDS	CONTROLS	RAC
Working with combustible materials	Fires and explosions- burns	<ul style="list-style-type: none"> - Ensure that a portable an ABC rated fire extinguisher is always within 100 ft. of your working area. - Know how to operate the fire extinguisher. - Always heed "No Smoking or Open Flame" warning signs. Remove combustible scrap and debris from work areas daily. - Store combustibles in approved locations/containers. - Use approved metal safety cans used for handling and use of flammable liquids. <p>EM385-1-1, Sect. 6.A, 6.B, 9.A, 9.B</p>	L
Working in Confined Spaces	Asphyxiation or carbon monoxide poisoning	<ul style="list-style-type: none"> - Never enter a confined space such as man-holes, vats, silos, vaults, tunnels, duct work, etc. This hazard analysis does not cover painting in Confined Spaces. - Always heed warning signs for confined spaces. <p>EM385-1-1, Sect. 34</p>	L
Using Explosive-Actuated tools	Injuries to eyes, hands and wrists, or ears	<ul style="list-style-type: none"> - Wear personal protective gear including eye, ear, and hand protection. - Proper warning signs are required to be posted. - Never use a powder actuated tool unless you have been trained and certified the specific tool (brand/model) and its use. - Hold the tool firmly (bend elbow slightly), and perpendicular to the work surface. - In the event of "mis-fire" hold in place for 30 seconds before removal. <p>EM385--1-1, Sect. 5.A, 5.B, 5.C, 5.D, 5.E, 5.F, 13.E</p>	L
Cut uni-strut and/or conduit	Cuts and scrapes Sharp edges, burrs	<ul style="list-style-type: none"> - Keep fingers at least 8 inches from the blade - Cut short pieces from long stock and hold the long end of the piece. - Don't try to cut too quickly - Make sure the piece you are cutting is properly supported and secured. - Watch where you are throwing your sparks. Do not cut where sparks will land on other workers or on combustible materials - Wear safety glasses with side shields or goggles, and foam ear plugs. <p>EM385--1-1, Sect. 5.A, 5.B, 5.C, 5.D, 5.E, 5.F, 13.A</p>	L

JOB STEPS	HAZARDS	CONTROLS	RAC
Working in hot weather	Heat Stroke, Heat Exhaustion, Heat Cramps Sunburn	<ul style="list-style-type: none"> - Make sure you always have an adequate supply of cold water available. If your water supply is running low talk to your supervisor. - Take scheduled cool down breaks. - Provide ventilation or air cooling equipment for enclosed work areas. - Use sunscreen. - Respond quickly and decisively in case of an accident. Call 911 immediately. - Know where the emergency numbers are posted, where the first aid kit is, and who is trained in first aid. - Only persons trained in first aid should be allowed to administer first aid. <p>EM385-1-1, Sect. 6.I</p>	L
Roll up Equipment and Clean-up	Slipping, Tripping, or falling, and Delayed Egress	<ul style="list-style-type: none"> - Store equipment out of the way. Roll up hoses and cords at end of day. - Clean up work area at the end of each shift. Stack materials in designated lay down areas. - Never throw or drop scrap and debris to a lower level unless that drop area has been cautioned/ barricaded off to prevent workers from entering the area. - Place combustibles in approved containers. <p>EM385-1-1, Sect. 2.B</p>	L
Sweep floor	Dust inhalation	<ul style="list-style-type: none"> - Wear a dust mask or respirator when sweeping. <p>EM385-1-1, Sect. 5.G</p>	L
Responding to an emergency	Delayed emergency response- further injury or loss of life	<ul style="list-style-type: none"> - Respond quickly and decisively in case of an accident. Call 911 immediately. - Know where the emergency numbers are posted, where the first aid kit is, and who is trained in first aid. - Only persons trained in first aid should be allowed to administer first aid. <p>EM385-1-1, Sect. 3.A, 3.B</p>	L
Administering First Aid	Exposure to blood-borne pathogens	<ul style="list-style-type: none"> - Use appropriate PPE when administering first aid such as gloves, masks, eye protection and/or resuscitation equipment especially when blood is present. - Wash after contact with blood or other body fluids. - Dispose of soiled material in a labeled leak-proof container. <p>EM385-1-1, Sect. 3.A, 3.B, 3.D</p>	L

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EQUIPMENT TO BE USED	TRAINING REQUIREMENTS AND COMPETENT OR QUALIFIED PERSONNEL NAME(S)	INSPECTION REQUIREMENTS
Forklift	Forklift Operator Training and Certification/License Review of Manufacturer's Operating Manual Activity Hazard Analysis Review	<ul style="list-style-type: none"> - Conduct Daily Inspection prior to Use - including Back-up Alarm and Maintenance Records. - Operators Manual shall be on ALL equipment. - Forklift will be equipped with Fire Extinguisher.
Explosive-Actuated Tools	Only Qualified Operators possessing a Qualified Operators Card can use an explosive-actuated device.	<ul style="list-style-type: none"> - Inspected daily PRIOR TO LOADING for proper function, broken parts, etc. Any equipment found defective will be tagged, taken out of service and replaced immediately. Explosive-actuated tools must be inspected, thoroughly cleaned, and tested after 1,000 rounds.
Power Tools	Trained by site supervisor and authorized to use power tools.	<ul style="list-style-type: none"> - Inspected daily for broken parts, damaged cords etc. Any equipment found defective will be tagged, taken out of service and replaced immediately.
Hand Tools	Trained by site supervisor before use.	<ul style="list-style-type: none"> - Inspected daily for broken parts, loose handles or components etc. Any equipment found defective will be tagged, taken out of service and replaced immediately.
Field/Work Truck	Valid Driver's License Required. Valid Insurance Certificate Required. Activity Hazard Analysis Review for each worker.	<ul style="list-style-type: none"> - Activity Hazard Analysis Review for each worker. - Vehicle must be properly maintained and in good working order.
Personal Protective Equipment (PPE)	All workers will be trained in the proper donning and use of PPE before beginning work.	<ul style="list-style-type: none"> - Inspect ALL PPE prior to each use. Any damaged PPE will be replaced immediately.
First Aid Kits	A MINIMUM of 2 individuals trained in CPR/First Aid will be on-site and available to render aid at all times.	<ul style="list-style-type: none"> - First Aid Kits will be inspected weekly for damage and/or missing items which shall be replaced immediately.

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