

JOB HAZARD ANALYSIS FORM

COMPLETE BEFORE BEGINNING WORK

(1) JOB INFORMATION									
Date: 2/7/2023		Task Name/Description: Electrical Installation, Maintenance, or Repair							
Department:		Supervisor:							
(2) JOB/TASK STEPS (Most job	s require 5-10 basic steps)								
Basic Job Step	Hazard(s) – (See Section or EHS Hazard Report								
Assess the accessibility of the equipment and prepare for work.	None Anticipated	 Notify affected building occupants of service interruption. 							
		 Select and inspect tools and PPE appropriate for electrical work. Repair or replace equipment which have potential faults or damaged electrical insulation. Some classes of electrical PPE must be tested regularly to be considered protective. If documentation of timely testing is not available, replace PPE with inspected units. Use an assistant or set up barriers/signage prior to work. 							
	Trips/ falls	 Clear obstacles and walkways prior to accessing the equipment. Lay down a non-conductive mat and or use insulated/non-slip footwear. 							
De-energize and remove equipment covers.	Shock, Electrocution, Arc I	 Complete Lock-out/Tag-Out process prior to starting whenever possible. Live work is not approved except where de-energizing equipment would create a greater hazard to life. Watch the edges of the panel and be sure they don't touch the wires in the panel box. Wear appropriately rated PPE for the level of electrical hazard. 							
	Sharp object/cuts	Work in Teams to ease handling.							
	Pinch points	Wear cut and electrical resistant gloves.							
	Struck by (falling swinging object)	Place removed covers/components clear of the work area.							
	Overexertion	 Use proper manual handling techniques. Lift with legs, hold heavy objects close to the body, keep back straight, use lifting aids and/or team lift techniques when necessary. 							
Performing de-energized service.	Shock or electrocution	 Confirm zero energy state using appropriate test equipment. Wear gloves properly insulated for the load of the 							



		 panel. Watch the edges of the panel and be sure they don't touch any components/equipment which may still be energized or carry a residual charge
	Sharp object/cuts	Work in Teams to ease handling.
	Pinch points	 Wear cut and electrical resistant gloves. Place removed covers/components clear of the
	Overexertion	work area.
Performing service while energized	Shock/electrocution	 Wear appropriately rated PPE for the level of electrical hazard. Including gloves, garments, non-conductive footwear, and face shields. Use insulated tools which are rated for live electric work. Work in teams.
	Skin burns/Arc Blast	 Wear protective clothing that is rated for the anticipated level of arc-flash/blast hazard, and a face shield. Position body to side of work area/equipment to minimize risk from arc flash/blast, Ensure non-qualified personnel do not enter the limited approach boundary or hazard area while performing work.
	Eye burns and impact injuries from debris ejected during ard discharges	
	Sharp object/cuts	Work in Teams to ease handling.
	Pinch points	Wear cut and electrical resistant gloves.
	Overexertion	Place removed covers/components clear of the work area.
Reassemble the equipment	All the hazards and controls for the previous tasks exist in reverse order.	Use the planning, engineering, and procedure controls for each of the tasks performed.
	Shock or fire from fasteners	Watch the position and location of the panel fasteners to assure they do not catch on other components while being replaced.
Required Training: -Electrical safety/LOTO (selectorical safety/LOTO (selectorical safety) -Hand and power tool safety -Workplace ergonomics (If he -Slip, trip, fall -PPE specific training	-SI -Fa	E: oltage and Energy specific electrical PPE p resistant, non-conductive footwear ce shield it resistant, non-conductive gloves



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JOB HAZARD ANALYSIS FORM—worksheets

(3) JOB/TASK HAZARDS (COMPLETE IN LIEU OF OR ADDITION TO EHS WORKSITE HAZARD REPORT)										
Items checked below relate to existing site conditions or work operations/steps.										
Hazardous Building Materials Asbestos Lead PCB Silica Caught On/By	Contact/Exposure Electrical Hazardous Energy Chemical Biological Other Sharp Objects		Falls Same Level Lower Level Ladders Other Struck By/Against Equipment Covers/components		Environmental/Physical Hazardous Atmospheres Confined Space Non-Permit Permit Heat Cold Pests/wildlife Weather Overexertion Other					
(A. HAZADO CONTROLA										
A) Task/Hazard Elimination	B) Substitution C) E		ngineering/Process Controls	ſ	inistrative Controls	E) Personal Protective Equipment (PPE)				
□ Equipment changes □ Tool changes (IE reach poles) □ Electrically Insulated tools □ Remove hazardous items □ Housekeeping before work □ Work Timing/scheduling □ Other □ De-energization/LOTO	☐ Use lower hazard product ☐ Use different form of product ☐ Less hazardous energy source ☐ Other	☐ Physical Barrier ☐ Machine Guard ☐ Ventilation ☐ Machine/Process Enclosure ☑ Mechanical Lifting Device ☐ Wet Method/Dust Control ☐ Chemical Use Controls ☐ Process Automation ☑ Manual Handling Aids ☐ Other		⊠ See Section 2 for Correct/Safe work practices. □ Training □		☐ Fall protection ☐ Gloves ☐ Hard hat ☐ Hearing protection ☐ Respiratory protection ☑ FR Clothing ☐ Safety glasses ☑ Other ☐ Electrical protective garments, footwear, gloves, etc.				
NOTE: Confirm mitigation and protective steps with your Supervisor/Safety Representative.										
(5) COMPLETE FOR WOI	RK AT HEIGHTS									
Elevation category: ☐ Roof ☐ Theater Rigging Area ☐ Loading Dock	□ Scaffold □ Lift □ Fixed Platforn		☐ Fixed Equipment ☐ Tree Climbing ☐ Other:							
Fall protection to be used (Check all that apply) ☐ Full body harness ☐ Fixed length lanyard ☐ Retractable lifeline ☐ Anchorage straps		☐ Exclusion Zones ☐ Physical restraint		☐ Monitoring personnel ☐ Other						
Has each employee inspected his or her fall protection equipment?										
Have all employees working at heights completed Fall Protection Training? Describe the fall protection system to be used: SEND A COPY OF YOUR COMPLETED JHA TO NAU EHS FOR INCLUSION IN THE NAU JHA LIBRARY										