

JHA NO.: JHA-00739 JHA TITLE: Electrical Terminations			REV:	0	ISSUE DATE:	5-1-24	
			WORK PACKAGE NUMBER: N/A SPECIFIC N/A LOCATION:				
Activity	Sub-Activity	Hazard	Control		<u> </u>		
Hand & Power Tools	Hand, Air and Electrical Tools	Improper Use of Tools/Equipment Laceration/Grinding Wheel Failure Fire Electric Shock Inhalation of Carbon Monoxide, Nitrogen Dioxide, and/or Other Combustion Gases, Chemical Asphyxiatior Struck-by Abrasion					
Manual Material Handling	Manual Material Handling	Muscle Strain/Sprain Ergonomics Pinch Points	 Supervisors will be trained in the basics of manual material handling, hazards and basic controls, and conducting basic risk assessments for material handling work Where manual handling is unavoidable, the supervisor will conduct an informal risk 				
			assessment as part of the FLHA process and follow up with employees before work starts				
			Inspect for shifted loads, stored energy, or loose items prior to unloading				
			Keep hands and arms clear when stacking material				
			· Remove/protect sharp edges with "softeners" prior to lifting				
			To understand safe lifting limits during manual material handling, refer to OT-SH-801768-A128, UPF Ergonomics Lifting Guidelines				
Personal Protective	Hearing	Noise	Refer to ML-SH-801768-A011, Sound Levels of Common Construction Power Tools				
Equipment (PPE)	Protection - Noise Levels		· Wear approved single hearing protection devices with a minimum NRR of 21				
	Between		· Barricade and Signage:				
	Eighty-Five (85) and Ninety-Nine (99) dBA.		o Install caution sign, of protection on the barrical		e with caution signs or ta ty-five (85) dBA boundar		

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			o Contact Industrial working in enclosed a	Hygiene to evaluate noise reas.	levels for new/changed	work activities or when			
Confined Space Entry (Life Critical	General Requirements	Engulfment/Entrapme Hazardous Atmosphe	re entry evaluation or pe	onfined space unless you rmit has been completed	are trained and authoriz	red to do so, and an			
Activity)		Limited Access/Egres	Never enter a c	onfined space unless atmo	ospheric testing has bee	en performed			
			· Never enter a c	onfined space without an a	approved permit				
			 Never enter a confined space without an attendant at the entrance. E attendant is present, do not enter without an effective way to communicate from inside the confined space 						
			vaults, water towers, s	es include, but are not limite storage tanks, process ves	sels, bins, boilers, and	ductwork			
			 These spaces share common characteristics that help us understand what a compact space is. 						
			· Characteristics of a confined space include the following:						
			o it is large enough	o it is large enough for a worker or workers to enter					
			o it has limited means of entry and exit						
			o it is not designed to form of hazard						
			 Some hazards that can be present in confined spaces are oxygen deficiency, flammer or explosive gases, toxic gases, slips and falls, and electrical and mechanical hazards. Con ES&H for assistance and evaluation of confined spaces on the construction site 						
			 IF a suspect space is confined AND you cannot confirm that a conclassification was conducted, THEN DO NOT enter the space 						
			· Contact superv	ision to determine if the spa	ace was evaluated and	classified			
			· IF supervision of	cannot provide a confirmati	ion, THEN request that	ES&H classify the space			



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Activity	Sub-Activity	Hazard	Control		-			
			Do not enter any confin Confined Space Entry Evalua	ed space prior to contaction	ting ES&H and co	mpleting UCN-23273,		
Field Level Hazard Assessment (FLHA)	Field Level Hazard Assessment Process	Unidentified and Unmitigated Hazards	FLHA is a pre-task brieshift or when new tasks are use mitigate environmental, safety that day. The JHA process mutated in the series of the series are series.	ndertaken. It is a process , and health risks and ha	s of employee part azards associated	with their planned work		
Field Level Hazard Assessment (FLHA)	Implementing Field Level Unmitigated Hazards		Prior to beginning work activities each day or after an extended break or interruption (e.g., sh change, weekend), perform the following:					
	Hazard Assessment		· Perform a Walkdown and review the work location with involved personnel					
			 Review area hazards to place to eliminate/reduce ther 	ensure they are identific n	ed and hazard cor	ntrols/mitigations are in		
			· Ensure there are no new hazards unidentified and uncontrolled by the approved JHA					
			Using UCN-23552, perform the following:					
			o Conduct a FLHA briefing v	with the work crew and s	upport disciplines			
			o Resolve any issues/concerns with the work crew					
			o List and discuss the scope of work, anticipated hazards, and controls/mitigation measures for the work to be performed					
			o Ensure personnel document participation in the "Employee" section of UCN-23552					
			o Conduct appropriate FLHA briefings when any of the following conditions exist:					
			· The work area changes					
			· Personnel with different classifications will be working in close proximity					
			Differing types of work are performed in close proximity					
			· The work activity chang	The work activity changes				



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			· The Responsible Su	perintendent deems	it necessary		
			 Turn in completed for applicable at the end of ea briefing section must be con 	ch shift at the desigr		ne end of shift review/de-	
Ladders	General Requirements	Fall to Elevation Below Dropped Objects	 All portable ladders purcha including: 	ased or used on the	Project shall meet minimu	um specifications,	
		,	 Ladders must be ve 1A or greater 	erican National Standard	s Institute (ANSI) Type		
			 Only nonmetallic ladders will be purchased and used on the site (fiberglass ladders are recommended) 				
			· Tripod ladders (ladd	lers with three legs)	are prohibited		
			· Straight ladders longer than 20 feet are prohibited				
			· Extension ladders lo	onger than 36 feet ar	e prohibited		
			· Stepladders and pla	tform ladders longer	than 12 feet are prohibite	ed	
			All portable ladders will be equipped with nonskid feet				
Ladders	Ladder Use	Fall to Elevation Below	w Inspect ladders prior to use				
		Dropped Objects	 All hardware and fitt without binding or undue p 		ached and the movable p	parts operate freely	
		I	Ladder rungs are free from grease, oil, mud, and other materials				
			· Ladder safety feet a	nd other auxiliary eq	uipment are in good cond	dition	
			Ladder does not have other faulty equipment	ve any broken or mis	ssing steps, rungs, cleats,	broken side rails, or any	



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Activity	Sub-Activity	Hazard	Control			
			Two or more people for two people Place portable ladd held by another per Personnel shall face grasp the ladder Do not carry material fly working from port ladder Prevent unauthorize when overhead has Do not stand on the Do not sit on or strate When accessing an upper landing surfainstall a grab rail(s) the ladder	e will not work from the ers on a level and states on to prevent slipping the ladder when as als or tools in hands wable ladders, then relead entry in the area be ards are present during platform or top step addle a stepladder to other elevation, extended. If this is not possions and the same platform or top step and the stepladder to other elevation, extended. If this is not possions above the	able surface and secure of cending or descending while ascending or desmain within the confine the ladder with basing ladder use of a stepladder (i.e., to perform work and the top of the ladder landing to help person	it is specifically designed to them or have them and use both hands to cending ladders is (side rails) of the arricades or flagging in two steps) T 36 inches beyond the der's configuration, nel mount and dismount
Ladders	Ladder Inspection	Fall to Elevation Below Dropped Objects	service at the point of discovery Ladders that are dama point of discovery using a "D	ery using a "Do Not laged or defective sha o Not Use" tag and re	all be immediately tagge eturned to the Tool Crib	and color coded ed out of service at the
Ladders	Ladder Storage	Fall to Elevation Below Dropped Objects	When not in use, store sunlight store ladders away to	portable ladders to property to property in property i	protect them from the e and in areas with good	elements and direct
			· Other materials are no	t to be stored on lade	ders	
		Laceration	· Use an approved wire	stripping tool		



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Stripping of Electrical Conductors	Stripping of Electrical Conductors		use of a fi		es the review and appro		tool is infeasible. The ntendent and an ES&H	
Installation/Removal of Electrical	General Requirements	Electric Shock Arc Flash	· Ens		performing a live dead	live test to any ed	quipment, devices and	
Equipment, Cables, and Accessories			· Ens		nd verified prior to acce	essing existing El	ectrical equipment and	
			Always perform the required independent zero energy verification					
			· Arc Flash PPE shall be worn where exposure exists					
			· Ensure installations comply with site procedures and regulations					
			· Cables and leads are installed with the minimum 7' clearance above floor level					
			· Cal	bles are installed on in	sulated non-conductive	supports		
				sure testing is maintair d other workers	ed in a barricaded area	, to ensure work	area is safe for work	
				sure electrical equipme cting means:	ent has the required safe	e access/egress	clearance to	
			o 36" to 120/208-volt					
			o 42" to 480-volt					
				Standard 120-volt extension cords and 208-volt (single-phase twist lock) extension cords are a tool of the trade and craft persons can plug or unplug these cords, after shedding the loa (e.g., turning off the welder, tool, or heater)				
			Only Temporary Power Electricians can plug in, unplug, route, or relocate 480-volt cord sets					



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Defeating Safety Devices (Life	Guards / Safety	Unsafe Conditions			r remove any safety ր ger and ES&H Manaç		without written but it's not limited to:
Critical Activity)	Protection Devices		· Disconn	ect load indicators			
			· Remove	e Guards or handle	s from rotating equipr	ment or tools	
			· Fix or lo	ck triggers and po	wer switches to keep	them in the "on" p	osition
			· Hardwire electrical wires into outlets				
			Use damaged or defective equipment and/or tools				
			· Skip or bypass required inspections before using equipment and/or tools				
			Operate equipment without deploying outrigger pads when they are required				
Ergonomic Hazard Activities	Various Activities	Musculoskeletal Disorder Injury	Contact ES&H factors are end		el 1) to evaluate your	work activity if an	y of the following risk
			Risk Factors				
			The risk of musculoskeletal disorder (MSD) injury depends on work positions and postu often the task is performed, the level of required effort and how long the task lasts. Risk that may lead to the development of MSDs include:				
					. Examples include lif uring materials, or ma		s or people, pushing or of equipment or tools.
					similar tasks repetiti equently for an exten		



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			 Working in awkwa Using positions that place shoulder height, kneeling, twisting the torso while lift 	stress on the body, su squatting, leaning over		titive reaching above
			 Localized pressur the hand) against hard or 		Pressing the body or parthe hand as a hammer.	t of the body (such as
			 Cold temperatures increase the potential for and poultry processing or 	MSDs to develop. For		perations in meatpacking
			 Vibration, both when the Hand-arm vibration can do more difficult to control. Harms resulting in increase portable grinders, chains a effects of vibration can date for a task. 	amage small capillaries and-arm vibration may d force exertion to con aws) in much the same	cause a worker to lose trol hand-powered tools way gloves limit feeling	nd can make hand tools feeling in the hands and (e.g., hammer drills, in the hands. The
			· Combined exposur		t ors . May place workers	at a higher risk for



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Ensure a new corresponding CFN-1251, UPF Construction Attendance Sheet, is signed and inserted in the CWP to document JHA briefing.								
PREPARER:	Nicholas Prewitt	05/01/24						
APPROVAL:	Printed Name/Signature	Date						
ES&H:	Anton Panev Printed Name/Signature	1 Parl 05/01/24 Date						
	Fillited Name/Signature	Date						
SITE MANAGER: (DOA-CM-801768-A214)	Alex Carlson	My Call 05/01/24						
	Printed Name/Signature	Date						