

My signature on the corresponding CFN-1251, UPF Construction Attendance Sheet, indicates that I have read the JHA and have received answers to any questions I had relative to the JHA. My signature further indicates my willingness to comply with the provisions and requirements of the JHA.

JHA NO.:	JHA-00752		REV:	4	ISSUE DATE:	2-27-25		
JHA TITLE: Structural Steel Installation WORK PAC and Misc. Metal Work NUMBER:			WORK PACKA NUMBER:	GE N/A	SPECIFIC LOCATION:	N/A		
Activity	Sub-Activity	Hazard		Control	·			
Hand & Power Tools	Hand, Air and Electrical Tools	Wheel Far Fire Electric S Inhalation Monoxide Dioxide, Combust	uipment on/Grinding ailure Shock of Carbon e, Nitrogen and/or Other ion Gases, I Asphyxiation	Review the application of the series of the	able work activities and implement the a Power Tools	ssociated work controls listed in JHA-		
Grinding Activities	Grinding Activities on Uncoated	Flying Pa (Debris)		 Reference ML-SH-801768-A002, UPF Eye and Face Protection List. Ensure the grinding wheel is rated for higher revolutions per minute (RPM) than the 				
	Metal		Wheel Failure ool Control -	grinder. Ensure the guard is on the grinder.				
		Laceratio Activities)		Laceration (Grinding Activities)		· Use the too	I handle(s) to maneuver the grinder	
		Burn Fire		· Hand-held	grinders shall be equipped with a consta	int pressure switch		
		(Hot Wor	k)	· Wear a shirt, jacket (or equivalent) made from heavier materials (e.g., heavy cotton, denim) that overlap footwear to prevent spatter from entering				
				 Wear pants/trousers made from heavier materials (e.g., heavy cotton, denim) that over footwear to prevent spatter from entering 				
				 Wear clothing that is free from pockets, hoods, or cuffs that can trap sparks or slag. Kee sleeves and collars buttoned 				
				· Ensure the	material being cut is secured via approv	ved methods (i.e., bench vise, c-clamp)		

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				NOTE: Never hold	d the material that i	s being cut!			
					ork Area, contact t		ilaps are acceptable. If not in a dividual (PAI) for a Hot Work Permit		
Portable Band Saws Portable Band Saws		Laceration					except for the working portion of the day wheels shall be fully		
						Always adhere to	the following requir	ements:	
				 Keep hands 	away from cutting	area and blade.			
				Always keep both hands on the tool handles.					
				Always keep your hands out of the line of the band saw blade.					
				· Ensure the	material being cut i	is secured via approved r	methods (i.e., bench vise, c-clamp).		
				NOTE: Never hol	d the material tha	t is being cut!			
				· Always wait	until the motor has	s reached full speed befo	ore starting a cut.		
				 Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/ or battery pack, picking up or carrying the tool. 					
				· Remove an	y adjusting key or v	wrench before turning the	e power tool on.		
				 Do not over 	reach. Keep prope	r footing and balance at a	all times.		
				 Do not wea moving parts. 	r loose clothing or j	ewelry. Keep your hair, c	clothing and gloves away from		
				· Do not force	the power tool. Us	se the correct power tool	for your application.		
Portable Circular Saws	Portable Circular Saws	Laceration	-	 Portable, po base plate or shoe 		saws shall be equipped	with guards above and below the		



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						cover the saw to the depth of the traction and contact with the work	teeth, except for the minimum arc
				The lower gremoved from the		automatically return to the covering	ng position when the blade is
Powder-Actuated Tools	Powder-Actuated Tool Use	Imprope Tool/Equ	uipment	Only those allowed to operate		who have received training for the er-actuated tool	particular tool being used are
	Line of Fire Struck-by, Flying Particles Fire			d tools each day before loading to nd use the manufacturer's recomm			
	File			defect during use,	tag then	ted tools are not in proper working n immediately "out-of-service" and n to the work area until properly rep	
				· DO NOT loa	ad powde	er-actuated tools until just prior to t	the intended firing time
				DO NOT po barrel end	oint loade	d or empty tools at any workers, a	and keep hands clear of the open
				· DO NOT lea	ave loade	ed tools unattended	
						ers into very hard or brittle material ass block, live rock, face brick, or h	
				backed by a subst	tance cap	ers into materials that are easily per pable of preventing the pin or faste ng missile hazard on the other side	
				· DO NOT dr	ive faster	ners into a spalled area caused by	an unsatisfactory fastening
				· DO NOT us	e powde	r-actuated tools in an explosive or	flammable atmosphere
				Use powder the manufacturer	r-actuate	d tools with the correct shield, gua	ard, or attachment recommended by



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		use	Establish a da in accordance w	nger barricade and signage in areas wher ith UPF-CP-214	e powder-actuated tools are in
		reco	Store powder- ommendations wh	actuated tools and fasteners in accordance nen not in use	e with manufacturers'
		Tec	•	ose unspent rounds in domestic trash. Cor ative, and/or ES&H	ntact Superintendent, Site
			Dispose misfir	ed rounds in accordance with the manufac	cturers' instructions
			Ensure the too	ol operator wears safety glasses and a fac	e shield during operation
		and their	uthorized posses powder charges r pockets Only powder-a	red tools and powder charges shall be consion at any time while not in use (i.e., tool in a locked flammable cabinet). The operator of the charges, studs, pins, or fasteners use in a specific tool shall be used. Cross	s are stored in locked containers ators shall not carry cartridges in designed and recommended by
		prof	nibited		
		and	no less than one	a misfire, hold the tool in the operating po full minute. If it is uncertain that the tool is tainer and return it to the tool room with a Not Use."	defective, then unload the tool
		work		a thorough and complete study of the job, d, as well as its thickness and general cor	
		•	Ensure occupi	ed areas behind the firing location are clea	ared prior to task start
		pend	Avoid the use etrated by the fas	of powder-actuated tools on materials or stening stud	surfaces that may be completely



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			• • • •	 DO NOT drive fasteners directly into materials such as brick or concrete that are clost than three inches from the edge or corner or into steel surfaces closer than 1/2-inch from the edge or corner UNLESS a special guard or fixture is used Ensure the operator knows what is behind the surface or between the surfaces or wainto which the stud is being driven (e.g., electrical wires, fluid lines, gas lines, personnel) DO NOT carry a tool from one job to another while it is loaded DO NOT fire the tool when there is an obstruction in the barrel DO NOT test a powder-actuated hole DO NOT use a fastener without a cap or guide Avoid using a long-breech plug charge in a short-breech barrel 				
Dropped Object Prevention	General Requirements	Dropped		Review the applic	cable work activities and implement the a Object Prevention			
Barricades and Signs (Life Critical Activity)	General Requirements	Imprope		Review the application 10712, Barricade	cable work activities and implement the ass, PPE, FLHA.	associated work controls listed in JHA-		
Compressed Gas Cylinder; Liquefied Petroleum Gas; and Liquefied Inert Gas Use	General Requirements	Spills Asphyxia Muscle S Ergonon Cryogen Fire	ation C Strain nic		cable work activities and implement the a sed Gas, LPG, and Inert Gas.	associated work controls listed in JHA-		
JacksLever,	JacksLever,	Potentia		Vhen using jacks	s, perform the following:			
Screw, Hydraulic, and Ratchet	Screw, Hydraulic, and Ratchet	Release	(Mechanical)	Verify the manufacturer's rated capacity is marked legibly on each unit				
				Verify the presence of a positive stop to prevent over-travel on all jacks				



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				oundation during rood block betwe	ootential exists for slippage from the metal c a lift by setting in place blocking and cribbir een the cap and the load	ng at the base of the jack and a		
				Crib, block,	or otherwise secure a load immediately after	er it has been raised		
			th	Lubricate ja nan the following	acks at regular intervals and inspect them from:	equently, but not less frequently		
			0	Once every si	x months for constant or intermittent use			
			0	When jacks a	re sent out of shop for special work or when	returned		
			o u	When a jack is se	s subjected to abnormal load or shock, imm	ediately inspect before and after		
			•	Examine re	paired jacks and associated replacement pa	arts for possible defects		
			Т	ag defective jack	ks and take out of service until repaired			
Manual Material Handling	Pallet Jack Use	Muscle Strain/Sprain Ergonomics		 Do not overload the machine. Be aware of dynamic loading! Sudden load movement may briefly create excess load causing product failure 				
		Pinch Po		Use as inte	nded only. Do not use machine to support p	personnel		
		Struck B	y ·	Always load	d the machine evenly and centrally			
		Caught	Between .	Keep clear	of fork and load while raised			
			•	Only use or	n flat, level surface able to withstand weight	of machine and load		
				Never leave se	e a loaded machine unattended the load mu	st always be lowered when not in		
			•	Inspect before	ore every use do not use if parts are loose of	or damaged.		
Manual Material Handling	Manual Material Handling	Muscle S Ergonon	Strain/Sprain · c		s will be trained in the basics of manual mat ducting basic risk assessments for material			



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Personal Protective Equipment (PPE)	Hot Work	Burn	oints . assi	Inspect for sh Keep hands a Remove/prote To understand Remove/prote Rear a shirt, paccordance with Recordance with Restrial Personnel Wear pants/tr Rewear to prevent Keep sleeves Wear clothing For heavy wo Re), flame-resistand Relegs, when ne Cape sleeves Rerial shall be wo Additional eva	or shoulder covers with bibs made of learn during overhead welding, cutting, or of aluation of hot work PPE will be performed.	employees before work starts is prior to unloading lifting all handling, refer to OT-SH-801768- on, burning, entrapment of hot associated hot work activities shall: irements of hazard risk category 2 ant Clothing for Protection of ures from Fire) g., heavy cotton, denim) that overlap is that can trap sparks or slag ips, Oxyfuel Gas Weld over 1/2" hall be used to give added protection ather or other flame-resistant other operations, when necessary
	Welding	Arc Flas	h ·	Personnel per	/FLHA card briefing rforming welding activities shall wear a w SI Z87.1 to protect themselves from weld	



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Personal Protective Equipment (PPE)				Z49.1, American I – "Guide for Shad NOTE: Minimum	s shall be selected for the specific welding National Standard for Safety in Welding, C le Numbers." Refer to Appendix B, Guide the shade requirements for welding operations	tuitting, and Allied Processes, Table 1 for Shade Numbers in Welding		
				activity.Safety glas	ses or goggles must be worn in addition to	the welding helmet		
				Support personnel in the immediate welding area must wear a similar level of eye and face protection				
Personal Protective	Task Specific Flying Pa Eye/Face		articles	Refer to MI and face protection	SH-801768-A002, <i>UPF Eye and Face Pr</i> on directives	rotection List, for task-specific eye		
Equipment (PPE)	Protection				nd sealed eyewear (e.g., spoggles) may be s, and splashes that are generated by wor			
				 Face shields are required when workers are exposed to flying objects, molten metal, liquid chemicals, or potentially hazardous light radiation. Face shields shall be worn in conjunction with primary eye protection (safety glasses or goggles) 				
Personal	Hearing	Noise		· Refer to ML	SH-801768-A011, Sound Levels of Comi	mon Construction Power Tools		
Protective Equipment (PPE)	Protection - Noise Levels Between			· Wear appro	oved single hearing protection devices with	a minimum NRR of 21		
Equipment (FFE)	Eighty-Five (85)			Barricade and Signage:				
	and Ninety-Nine (99) dBA.	9) dBA. pro			sign, or caution barricade tape with cautio barricade to establish the eighty-five (85) c			
				o Contact Indus working in enclose	strial Hygiene to evaluate noise levels for need areas.	ew/changed work activities or when		
		Noise		· Reference	ML-SH-801768-A011 Sound Levels of Cor	mmon Construction Power Tools		



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Personal Protective	Hearing Protection - Noise		blu	At a minimum, ve foam earbuds) Al	wear single hearing protection devices ND ear muffs	with NRR of 33 (i.e. red, white and		
Equipment (PPE)	Levels over One- Hundred (100) dBA		. 114	 Contact IH or ES&H Representative if the anticipated noise levels are greater than 114dBA prior to engaging in the activity Use employee and or job rotation to reduce the time of exposure. When performing activities in enclosed spaces such as enclosed cells, pits, vaults or other similar spaces that may adversely affect noise levels or where multiple noise sources are present contact ES&H for further evaluation 				
			adv					
			•	Barricade and Signage:				
				Install danger barr Indary area	icade tape with danger signs or tags to	o identify the one hundred (100) dBA		
					de of danger barricade with caution sir valuate size of these boundaries	ngle hearing protection required		
				Contact IH to evaluate closed areas.	uate noise levels for new/changed wor	k activities or when working in		
Hot Work	General Requirements	Fire			work activities and implement the ass n, Protection, Hot Work and Welding	ociated work controls listed in JHA-		
Fire Prevention and Protection	Fire Occurrence Fire		saf		personnel are primarily responsible for ea. The discoverer of the fire shall perf			
			Ste	Step 1 – Yell "FIRE" to notify those in the immediate vicinity.				
			Ste	p 2 – Notify the Y-	12 Operations Center (OC) by:			
			0	Activating a fire ala	arm (pull box), if available			
			0	Calling 911 from a	Y-12 landline			



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			o Calling Y-12 O	C at (865) 574-7172 from a cell phone	
			o Contacting the	OC via Channel 1 from a Project radio	
				supervisor/superintendent and providing an be forwarded to the Y-12 OC)	y information regarding the fire
			NOTE: Use the photocation.	onetic alphabet when calling the OC to avoi	d confusion identifying the building
			stage fire using an if personnel believe	reporting the fire, personnel may voluntarily available portable fire extinguisher. This volution it is within their capability to safely extinguitedly available, and there is no immediate date.	untary action should be taken only sh or contain the fire, a safe
Safety Watch	Process Em	ergency		emergency, individuals performing Safety W spond to the emergency as required (e.g., T	
Safety Watch	Fire Watch Fir		A worker assigned	as a Fire Watch:	
	Ho	: Work	 Must wear a Equipment and Sat 	n orange vest in accordance with UPF-CP-2 fe Work Apparel	205, Personal Protective
			Work permit, are m	erves Hot Work activities to Ensure fire safe naintained. Such observations will continue valued at the assigned Fire Watch is relieved by an	while Hot Work is in progress or
			to Ensure no smole	at the work area for at least 30 minutes after dering embers or slag exist. Fire Watches wi pervision and other workers in the event of	ill watch for fires in all exposed
				tch ensures that the Hot Work area is barric ersonnel from entering the barricaded work a	
			· More than or	ne Fire Watch is required if:	



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					that could be ignited by the Hot Wo itial Fire Watch are present (e.g., what wall openings)		
					ds are not sufficient to adequately e the welding and/or cutting activities fires		
				o The Fire Watch will ha conditions develop	ve the authority to stop welding and	l/or cutting work activities if unsafe	
				In the event of a fire, the F	rire Watch:		
				· Follow the Fire Occ	urrence steps outlined above for pro	pper notification	
				 May attempt to extir 	nguish the fire		
					Il notify the ESH-R if any fire extingue clean up and disposal of the mater	uishers are discharged so they may ial can be completed.	
					o and after it has been determined the horizontal threat the fire protection equipments.	hat no fires or smoldering materials ent to its original location	
Safety Watch	Confined Space Watch (Attendant)	Confined	d Space		Natch, also referred to as an attendated confined space (e.g., vessel, tan		
				excavation).			
				Workers assigned as a Confined Space Watches must wear orange vests in accordance with UPF-CP-205.			
Safety Watch	Equipment Watch (Spotter)	Moving I	Equipment	clearance between the equand discuss responsibilitie	f a Spotter is to assist an equipment uipment and hazards. The operator is, method of communication, location execute the task successfully leveral iss	and Spotter(s) will jointly identify on of the Spotter(s), blind spots,	



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				· The following	ng practices should be considered when pla	nning the activity:
				o Achieving eye near or around he	contact and an acknowledgment from the ϵ avy equipment	equipment operator before walking
			-	o Never having	Spotters stand within the blind spot of equip	ment operators or truckers
				o Never allowing	personnel to stand within the swing radius	of equipment while it is operating
				o Checking arou	and underneath trucks and equipment for	or personnel before operating them
Safety Watch	Overhead Safety Watch	Dropped	l Objects	An Overhead Safe work. Examples in	ety Watch is utilized to protect personnel fro clude:	m hazards created during elevated
					on tasks with low-risk for dropped objects o out/measurements)	or similar hazards (e.g., inspections,
					ies in remote areas that are not heavily pop nnel and will not be impacted by concurrent c.)	
				In conjunction barricade cannot be	on with a barricade for elevated work/overhoe achieved)	ead hazards (e.g., when 2:1 ratio of
					lementing an Overhead Safety Watch, the t e Superintendent (Discipline Superintender or the activity	
			-	· When an O	verhead Safety Watch is used, the following	g will apply:
				essential personne	Safety Watch must be strategically located el and vehicular traffic from entering the over activities with a larger hazard area or wor	erhead work area. Multiple Watches



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					Safety Watch will notify approaching pe areas below overhead work for the dura			
					Safety Watch will perform tasks from a sated by the elevated work activities	safe location and remain clear of line-		
					work area below the elevated work is req ated work and have it placed in a safe co			
Work at Heights (Life Critical Activity)	General Requirements	Fall to E	levation Below	Review the applica 00717, Elevated V	able work activities and implement the as Vork	ssociated work controls listed in JHA-		
Working with Materials	Methods of Compliance	Inhalation of Particulates (Silica)		• For tasks performed indoors or in enclosed areas, provide a means of exhaust as needed to minimize the accumulation of visible airborne dust				
Containing Respirable Crystalline Silica				 For tasks performed using wet methods, apply water at flow rates sufficient to minimize release of visible dust 				
(RCS)				cab or booth is ma mechanisms that v properly, is under intake air that is filt	es implemented that include an enclosed intained as free as practicable from settl work properly, has gaskets and seals that positive pressure maintained through cottered through a filter that is 95% efficient Minimum Efficiency Reporting Value ratilities	led dust, has door seals and closing tt are in good condition and working ntinuous delivery of fresh air, has in the range between 0.3 and 10.0		
				use of engineering	ment/task is not listed or does not apply a controls and associated work practice or controlling worker exposures to respira	controls shall be considered as the		
_				Typical work pract	ice controls include the following:			



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Working with Materials Containing Respirable Crystalline Silica (RCS)	Work Practice Controls	Inhalatio Particula	tes (Silica) ex	Confirm that in Confirm that in Moisten crysta DTE: Material must neration Schedule work plicable project pe When necess limit not only the in ca but also the lev	aintain controls to prevent or fix malfunction ozzles spray water at the point of dust gooses are not kinked on a tool used with a alline silica dust before sweeping, shovel at be continuously and thoroughly wetted at so that tasks that involve high exposure ersonnel are in the area ary, barricades and signs shall be used to the umber of applicable project personnel expels to which applicable project personnel policable sections of UPF-CP-318, Respirated Signs.	eneration for wet method controls a dust collector ling, or vacuuming I at all times with no visible dust es are performed when no other to control personnel access to areas exposed to respirable crystalline el are exposed
Working with Materials Containing Respirable Crystalline Silica (RCS)	Housekeeping	Inhalatio Particula	tes (Silica) in co (H . ap filt.	conjunction with a mpressed air. Wo EPA) filter or othe Dry sweeping plicable project pered vacuum clear Concrete slurr aning) shall be reaced into appropria	air cleaning of surfaces or clothing is not ventilation system that effectively capturaters shall use a ventilation system with a rapproved method to clean surfaces or cordry brushing is prohibited where such ersonnel exposure to silica. Use wet swener by (e.g., from dust control methods or excomoved from work areas by wet vacuuminate concrete washout bins, containers or a dust on work surfaces	res the dust cloud created by the a high-efficiency particulate air clothing if necessary n activity could contribute to eping or shoveling, or a HEPA- cess water from concrete ng or other similar methods and



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Hoisting and Rigging/Bull Rigging	General Requirements	Loss of L	∟oad		able work activities and implement the associations, and Material Handling	ociated work controls listed in JHA-		
Confined Space Entry (Life Critical	General Requirements	Hazardo	ent/Entrapment us Atmosphere		a confined space unless you are trained a it has been completed	and authorized to do so, and an entry		
Activity)		Limited	Access/Egress	 Never enter 	a confined space unless atmospheric test	ing has been performed		
				 Never enter 	a confined space without an approved per	rmit		
					a confined space without an attendant at the not enter without an effective way to fined space			
					aces include, but are not limited to, sewers age tanks, process vessels, bins, boilers, a			
				These spaces share common characteristics that help us understand what a confined space is.				
				Characteristics of a confined space include the following:				
				o it is large enou	gh for a worker or workers to enter			
				o it has limited means of entry and exit				
				o it is not designer form of hazard	ed for people to enter and work in on a reg	gular basis, and it can contain some		
				or explosive gases	ds that can be present in confined spaces t, toxic gases, slips and falls, and electrical ce and evaluation of confined spaces on the	I and mechanical hazards. Contact		
					space is confined AND you cannot confire conducted, THEN DO NOT enter the spac			
				 Contact sup 	ervision to determine if the space was eva	luated and classified		



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				IF supervision	n cannot provide a confirmation, 7	THEN request that ES&H classify the space		
				Do not enter Confined Space En		cting ES&H and completing UCN-23273,		
Field Level Hazard Assessment (FLHA)	Field Level Hazard Assessment Process	Unidentified and Unmitigated Hazards		FLHA is a pre-task briefing that must be used daily by crews at the beginning of their work shift or when new tasks are undertaken. It is a process of employee participation to identify and mitigate environmental, safety, and health risks and hazards associated with their planned work that day. The JHA process must not replace, or be a substitute for, the daily FLHA process.				
Field Level Hazard	Implementing Field Level	Unidenti Unmitiga	fied and ated Hazards		ork activities each day or after an perform the following:	extended break or interruption (e.g., shift		
Assessment (FLHA)	Hazard Assessment			Perform a Wa	alkdown and review the work loca	tion with involved personnel		
,				Review area place to eliminate/re		fied and hazard controls/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 FLH	A briefing with the work crew and	support disciplines		
				o Resolve any iss	ues/concerns with the work crew			
				o List and discuss the work to be perfo		azards, and controls/mitigation measures for		
				o Ensure personn	el document participation in the "l	Employee" section of UCN-23552		
				o Conduct approp	riate FLHA briefings when any of	the following conditions exist:		
				The work are	a changes			
				Personnel with	th different classifications will be v	vorking in close proximity		
				Differing type	s of work are performed in close	proximity		



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				· The w	ork activity ch	anges		
				· The R	esponsible Su	perintendent deems it necessary		
				applicable at	t the end of ea	orms (i.e., UCN-23552, UCN-23464 ch shift at the designated collection impleted before submitting these fo	points. The end of shift review/de-	
Scaffold Use (Life Critical Activity)	Scaffold User	Fall to E	rized Use levation Below			caffold without documented evidence folding before each work shift	ce of inspection by a designated	
		Slips and Trips		Obey the scaffold requirements at all times				
				requirements	s include strict	old without a proper tag that display adherence to the color-coded tagg and green (Safe for Use) tags, as a	ing system of red (Danger—Unsafe	
						tagged scaffold. Only authorized so old, and they are required to wear fa		
				· Never	access a yello	ow-tagged scaffold without proper fa	all protection	
				· Consi	der all scaffold	s without tags as red-tagged scaffo	olds	
					alter or modif	y a scaffold, unless you are a desig do so	nated Competent Person, who is	
				Touch the shift	ning-the-tag be	fore each use to ensure a scaffold	inspection has been completed for	
						caffold without a documented and to g for holes in the platform, missing	agged daily inspection. Inspect the handrails and other potential	
					access a red- ear required fa	tagged scaffold. Only authorized so Il protection	caffold builders are permitted, and	
				· Never	access a yello	ow-tagged scaffold without 100% tie	e-off or fall protection	



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					g on the scaffold request when intended use i.e., 25 pounds per square foot [psf])	will require scaffold capacity greater		
				 Ensuring 	scaffold is not loaded in excess of its duty ra	ating		
				 Maintaini 	ng housekeeping and accumulation of mate	rials to prevent dropped objects		
					scaffold erectors when pearlweave, toe boarols need repair	ard, or other dropped object		
				Utilizing to boards) are inconscripted scaffold.	barricading, as required, when scaffold drop omplete OR when hoisting material outside of	ped object controls (e.g., mesh, toe of the dropped object confines of the		
Scaffold Use (Life			rized Use	· Climbing on scaffolding components (e.g., cups, rings, diagonal members) is not allowed				
Critical Activity)		Fall to Elevation Below Slips and Trips		using a Persona	nbing scaffold structures in any direction abo al Fall Arrest System (e.g., harness and retra hor point is not allowed			
				· Ensure a	n adequate working surface during erection/	dismantlement activities		
Creating Floor and Wall Openings			levation Below I Objects	surfaces (deem	med by personnel creating a floor hole or me led safe for use via primary fall prevention m Walking/Working Surface Modification Perm	easures) shall be controlled through		
				The requiremen	nts of the permit include:			
					se Crafts who are specifically trained to performenters) will be allowed to remove/replace			
				a fall hazard. Al	rd guardrail system shall be installed around Il access points to the area shall be equipped d, "(Danger – Fall Protection Required beyon	d with a swing gate or equivalent and		
				 Fall prote 	ection must be provided and used by those v	vorking inside the barricaded area		



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			other hazards to pe	king surfaces below the work area shall be ersonnel below. As necessary, the area(s) ent access, protecting personnel from exp	below the work area shall be
			be provided, where grate(s)/floor plates	needs shall be evaluated prior to the start e required. The remaining grating/floor pla s(s) sections must be protected from move means capable of preventing displaceme	te/handrail bordering the removed ement or slippage by securing with
				aterial must be set in an area so as not to tivities. Stacks or bundles of removed mat floor-loading limits	
				alling covers/grating/floor plate/handrail, thely re-installed, correctly positioned, and p	
			the Supervisor and	ms have been reinstalled and properly sed I authorized BNI ES&H Representative for area released for general use	
			the work must cont	st be altered or cut to accept piping, cond tact the responsible Supervisor and area (to making any modifications.	
Mobile Elevated Work Platforms	Requirements S	Contact with Surrounding Structure,	· Never opera	te any mechanical elevated work platform	without documented training
(MEWPs) (Life Critical Activity)		quipment, or commodities	 Never stand 	on the toe board, mid-rail, or top rail of th	e basket
Childar Activity)	FI	ire ntrapment	Never work to point, even during	from the basket without being tied off to th ground positioning	ne manufacturer's designated anchor
		imited Access/Egress Propped Objects		ne basket at height unless prior, document n Project ES&H personnel	ted approval for the deviation has



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		Electrical Fall to Ele	Shock evation Below			requirements defined in UPF-CP-2 all construction site and support ar	
				accordance with t	he requir a trained	erial/scissor lift that has not been ins rements specified in UPF-CP-224. A operator will visually inspect and fu n approved form	At the beginning of each shift or
				· Ensure the versus outdoors)	lift style	in use is appropriate for the work tas	sk and location (e.g., indoors
				· Follow all d wind speeds	lirections	related to adverse weather condition	ons, including lightning and high
				be protected from	the elem	manual(s) are to be maintained with nents. If this cannot be accomplishe ned by the Project Distributable Sup	d, a hard copy may be stored in a
				· All controls	must be	plainly marked as to their function	
				 All capacity platform/basket ar 		ning decals will be in place, secure, d stations	, and legible, at both the
				platform/basket. T of the extinguishe	he fire e r. Scisso	s must be equipped with an ABC-rat xtinguisher shall be secured in a ma r lifts must be equipped with a fire e equipped with a fire extinguisher 10	anner as to prevent displacement extinguisher 2.5 lbs. or greater.
				· Boom-type	aerial lift	s must be equipped with anti-entrap	oment devices
						re to be inspected daily before use of 248, <i>Aerial/Scissor Lift Daily Checkl</i>	
Mobile Elevated Work Platforms	Operating Requirements	Contact v	vith ling Structure,	Only trained and of the following:	qualified	personnel shall operate aerial or sci	issor lift devices in accordance with



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(MEWPs) (Life Critical Activity)	Com	oment, or modities	All personnel must Section 3.0, Fall Prevention	wear an approved PFAS in accordance on and Protection	ce with the requirements of		
	Limit Drop Elect	pment ed Access/Egress ped Objects rical Shock o Elevation Below	lifting load capacity. The v platforms will be included the aerial/scissor lift basks	orm of the aerial/scissor lift will not be veight of personnel, tools, and materia as part of the total load capacity. If meet or platform, obtain approval from the document on the FLHA Card before	als in aerial/scissor lift baskets or aterial cannot be contained inside e Responsible Supervisor and an		
			Aerial/scissor lift platform or basket will not be secured to any structure for any reason nor be allowed to rest on any structure				
			 When aerial/scissor lift equipment is used with outriggers, outriggers shall be positioned on a solid surface 				
				nd firmly on the floor of the basket/pla utform or use planks, ladders, or other			
				the equipment should keep their hand terior grab rail for balance when provi			
			Do not tie electrical cords, welding leads, or hoses to an aerial/scissor lift when operated (traveling horizontally or vertically)				
			When at the work location, the operator should engage the emergency stop function and close the platform mounted control panel cover (if equipped) to prevent accidental movement				



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Mobile Elevated Work Platforms (MEWPs) (Life Critical Activity)	Exiting Aerial/Scissor Lifts at Elevation	Dropped Electrica		 the lift platform und There is not access the access the activities Personned entering of Personnel must entering of elevated area or significant and area or significant and area or significant and area or significant area. 	may be used to access elevated work area der the following requirements: no other established safe access to the wonust be evaluated to ensure the use of an elevated area or structure consible Supervisor for the work and an Esty and document the approval on CFN-132 must use the lift manufacturer's access por exiting the lift nsure 100% tie-off is maintained throughout tructure, from the elevated area or structured area or structure	ork area (e.g., stairs) aerial lift is the safest means to 6&H Representative must approve 23 point (e.g., gate, slide bar) when at the transition from the lift to the	
Ladders	General Requirements Fall to Elevation Below Dropped Objects			Ladders mu 1A or greater Only nonmerecommended)	s purchased or used on the Project shall not be vendor-certified as American National etallic ladders will be purchased and used deers (ladders with three legs) are prohibited	al Standards Institute (ANSI) Type	
				Straight lade	ders longer than 20 feet are prohibited adders longer than 36 feet are prohibited		
				· Stepladders	and platform ladders longer than 12 feet a ladders will be equipped with nonskid feet	<u> </u>	
Ladders	Ladder Use	Fall to El Dropped	evation Below Objects	All hardware without binding or	· ·		
				Ladder rungs are free from grease, oil, mud, and other materials			



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				Ladder saf	ety feet and other auxiliary equipment are i	n good condition
				Ladder doe other faulty equip	es not have any broken or missing steps, ru ment	ings, cleats, broken side rails, or any
				- Two or more pe people - Place portable lanother person to - Personnel shall the ladder - Do not carry ma - If working from person to the control - Prevent unauthor - Do not stand on - Do not sit on or - When accessing anding surface. I	ers in any manner other than their intended ople will not work from the same ladder unleadders on a level and stable surface and so prevent slipping face the ladder when ascending or descent aterials or tools in hands while ascending or portable ladders, then remain within the corporated entry in the area below the ladder with are present during ladder use the platform or top step of a stepladder (i.e. straddle a stepladder to perform work ganother elevation, extend the top of the laft this is not possible because of the ladder's the landing to help personnel mount and discontinuations.	ess it is specifically designed for two ecure them or have them held by ding and use both hands to grasp descending ladders fines (side rails) of the ladder th barricades or flagging when e., top two steps) idder 36 inches beyond the upper s configuration, install a grab rail(s)
Ladders	Job-Made Ladders	Fall to El Dropped	•	constructed and ι	s where manufactured ladders are infeasib used. Job-made ladders must comply with t vays and Ladders	
Ladders	Ladder Inspection	Fall to El Dropped	evation Below Objects		at do not have the current quarterly color control of discovery using a "Do Not Use" tag un	



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					at are damaged or defective shall be immed using a "Do Not Use" tag and returned to t	
Ladders	Ladder Storage		levation Below I Objects		n use, store portable ladders to protect ther ders away from excessive heat and in areas	
				Other mater	rials are not to be stored on ladders	
Orbital Sanding General Requirements		Ingestion	n of	Employ good eating, or smoking	od personal hygiene techniques such as wa	ashing your hands before drinking,
		Particulates			tal sander with vacuum attachment with Hi ninimum a half-face Air Purifying Respirato	
					aust ventilation requirement cannot be met, signs or tags around the coatings removaled	
Compressed Gas Cylinder; Liquefied Petroleum Gas; and Liquefied Inert Gas Use	General Requirements	Spills Asphyxia Muscle S Ergonon Cryogen Fire	Strain nic		able work activities and implement the asso ed Gas, LPG, and Inert Gas.	ociated work controls listed in JHA-
Welding, Cutting, and Brazing	General Requirements	Inhalatio Fume Burns Flying Parc Flas Shock Fire (Holingestion	h t Work)	• • •	able work activities and implement the asson Intion, Protection, Hot Work and Welding.	ociated work controls listed in JHA -



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Welding, Cutting, and Brazing	Material Fit- up/Tack Weld Activities	Arc – Flash Burns		Support personnel in the immediate area assisting with the weld/hotwork activities (i.e., tacking supports) must wear PPE appropriate to the hazard (e.g., gloves, category 2 weld shirt/jacket, shaded glasses, face shield, etc.)				
				NOTE: The "imme platform/basket, et	diate area" consists of the direct work face, c.	weld screened area, aerial lift		
					y hazards created by the activity to protect personnel directly			
Welding, Cutting, and Brazing	Shielded Metal Arc Welding (SMAW) on Carbon Steel (Stick Welding)	Inhalatio Fume Arc Flas	n of Welding h	welder/operator wi discharge exhaust	e local exhaust ventilation with a capacity of th an inline high efficiency particulate air (H air outdoors to a location that does not affe kk into the work area.	EPA) filter (i.e., fume extractor) OR		
	(Stick Welding)			When ventilation is not feasible, at a minimum, a half-face Air Purifying Respirator (APF 10) with a HEPA/P 100 filter is required.				
		· · · · · · · · · · · · · · · · · · ·		Indoors or Enclosed Areas: Provide local exhaust ventilation with a capacity of 100 linear feet per minute per welder/operator with an inline high efficiency particulate air (HEPA) filter (i.e., fume extractor) OR discharge exhaust air outdoors to a location that does not affect other workers or allow exhaust air to be drawn back into the work area.				
				When local exhaust ventilation is not feasible, establish means of adequate general/mechanical ventilation AND at a minimum, use a half-face Air Purifying Respirator (APF 10) with a HEPA/P 100 filter is required.				
					ynage: If local exhaust ventilation requirem n completed danger signs or tags around the ersonnel.			



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			•	Wear safety glasses ar	d a welding hood with	a lens shade as foll	ows:		
				Electrode		Minimum	Suggested*		
				Size - in.	Arc Current	Protective	Shade No.		
				(mm)	(Amperes)	Shade	(Comfort)		
				Less than 3/32 (2.4)	Less than 60	7	10 (*)		
				3/32 - 5/32 (2.4 - 4.0)	60 - 160	8	10		
				5/32 - 1/4 (4.0 - 6.4)	160 - 250	10	12		
				More than 1/4 (6.4)	250 - 550	11	14		
and Brazing	Welding (GTAW)/Tungsten Inert Gas (TIG) on Carbon Steel			Wear safety glasses and a welding hood with a lens shade as follows: Minimum Suggested*					
Welding, Cutting,	Welding or	Fume G	eneration	hand.		•	ole from the area of heat		
and Brazing	Thermal Cutting	i dilic O	onoradon	application and the follo			nom the area of heat		



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	of Galvanized		Wh	ere possible, use non-h	eat generating cutting methods (e.	g., portaband).		
	Coated Steel		wel disc	der/operator with an inli charge exhaust air outd		HEPA) filter (i.e., fume extractor) OR ect other workers or allow exhaust		
				en ventilation is not fea EPA/P 100 filter is requ		Purifying Respirator (APF 10) with		
			bar		local exhaust ventilation requirem ted danger signs or tags around the			
			filte	ear feet per minute per ver (i.e., fume extractor) C	d Areas: Provide local exhaust ver velder/operator with an inline high of DR discharge exhaust air outdoors aust air to be drawn back into the v	efficiency particulate air (HEPA) to a location that does not affect		
Welding, Cutting, and Brazing	Gas Tungsten Arc Welding (GTAW) /	Hexavalent Inhalation o			nd debris from work clothing using cheduled breaks and at the end of			
	Orbital Welding on Stainless Steel, Hastelloys	Fume Arc Flash		Clean the welding work area using a HEPA vacuum or a method to minimize dust generation (e.g., wet the debris or use floor sweep) at the termination of the welding activity.				
	and Inconels		Out	Outdoors: Ensure adequate natural ventilation, no additional controls.				
			Ind	Indoors: Ensure adequate general/mechanical ventilation, no additional controls.				
			Enc har		s: Contact IH for additional and spe	ecific controls for the conditions at		



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Mobile Elevated Work Platforms (MEWPs) (Life Critical Activity)	General Requirements Contact Equipm Commers Falls Inadve	NUMBER: We with . equent, or odities for tent Movement al Shock . act	Arc Current (Amperes) Less than 50 50 - 150 150 - 500 The operator is to cuipment, and/or comm The operator and/or a spotter(s) when con Area blind spots exist ivities) OR Obstructions exist Aerial lift tip over puneven surface OR Other (e.g., abrupt	a welding hood with a lens shade Minimum Protective Shade 8 10 ensure adequate clearance is obtodities or supervisor to perform a pre-wo ditions similar to those listed belowist OR in the path of planned travel (e.g., when raising or lowering the lift Communication).	sas follows: Suggested* Shade No. (Comfort) 10 12 14 sained between the lift and structures, rk walkdown and determine the need w are encountered clutter, other equipment, other R ES&H prior to operating an aerial lift rfaces)



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				electrical compone	t electrical equipment/cables and compo ents obstructing the operation of an aeria aged with the use of a spotter			
				are a tool of the tra	20-volt extension cords and 208-volt (sinade and craft persons can plug or unpluge welder, tool, or heater)			
				· Only Tempo	orary Power Electricians can plug in, unp	olug, or route 480-volt cord sets		
				o Only Tempora equipment such as	ry Power Electricians can operate or res s panel boards.	eet any breakers in temporary electrical		
Rebar Embed and Commodities	and Commodities Fabrication			When rebar spacing is greater than eight (8) inches install plywood walkways or wire mesh (or equivalent) in the work area				
Installation	(Horizontal)	Pinch Points Impalement/ Puncture		 Only Ironworker crew members and essential personnel (e.g., Superintendent, QC, FE) that are required to support rebar assembly and installation, as directed by the Responsible Superintendent, are allowed to walk rebar prior to the installation of walk platforms 				
				 Keep fingers and hands away from pinch points. Use sleever bars (or similar) to separate material and be aware of hand positioning 				
				Place approved caps or equivalent over exposed ends of rebar				
				Bend over sharp wire tie ends				
				 When working around or reaching into areas with sharp/exposed edges wear durable long sleeve shirts or use cut/puncture resistant sleeves for added protection. 				
Installation of	General	Pinch Po		Be aware of	hand and body placement			
Structural Steel	Requirements		levation Below e Instability	 Use sleever 	bars or spud wrenches to align steel me	embers		
			,	· Whenever p	ossible, steel erection will be performed	with an aerial lift (boom/scissor)		



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					steel structures shall consist o	nor slide columns for access/egress. Vertical f properly placed and secured access ladders or
						cations cannot be achieved, an Alternate Fall d and implemented for the scope of work
				and rigging. Each of bolts (or other supp	connection should be evaluate port) are warranted or needed	ed per connection prior to releasing the crane ed by the connector to determine if additional due to the size of the structural member, site Engineering for additional guidance
				 Only authorize 	zed personnel shall be allowed	d to work within suspended load fall zones
Installation of Structural Steel	Installation of Structural Steel - Connecting Steel Members	Suspend Steel	led Structural	work directly below connection of the s	a suspended load. When req	planned to ensure no employee is required to pured, employees engaged in the initial ors) shall use tooling (e.g., sleever bar, bullpin) nembers while working to place and secure the
				· Only authorize	zed personnel shall be allowed	d to work within suspended load fall zones
Installation of Structural Steel	Q-Deck Installation	Falling N Noise	1aterial	All decking send of the shift	hall be wind tacked or wind so	crewed down prior to the end of the task or the
	Activities			All excess shend of the shift	neets and bundles of Q-deck s	shall be secured prior to the end of the task or
					ing protection required, use apatic fasteners to secure Q-dec	oproved ear plugs and muffs when using powder cking due to impact noise
				· There is no i	requirement to install a 100 dB	BA boundary danger barricading.



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Removal of Fireproofing	Cementitious Fireproofing (via non-powered tools)	Environr Inhalatio	nental Waste n	ngs by appropriate means (i.e., vacuum, e, duct tape, or knots and transport to the containing waste) reduce the generation of dust				
Removal of Fireproofing Fireproofing (via powered tools)		Environr Inhalatio	nental Waste n		s in clear bags and seal with zip tie	ngs by appropriate means (i.e., vacuum, e, duct tape, or knots and transport to the		
				intumescent firep of heat application contacts and any heat transfer. This	roof coatings shall be stripped bac n. The area of heat application mea adjacent surface whose surface te s also includes the backside of the	<u> </u>		
				 A minimum of a half-face Air Purifying Respirator (APF 10) with a HEPA/P 100 filter is required P100 Particulate filters need to be replaced when: 				
					difficulty breathing comfortably or i	notices an increase of breathing resistance		
				o The filter beco	omes visibly dirty			
				o The filter is ph	nysically damaged			
				Or at a minimum of every 30 days inclusive of the above requirements.				
Vibration Producing Equipment and Activities	General Requirements			Arm Vibration Le	/els. Note that these limits are cum	ML-SH-801768-A008, Power Tools Hand- nulative over the course of a work shift. ools continuously within the work shift		
Activities				Take break with a co-worker	s from the source of the vibration e	every hour – perform a different task or rotate		



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					s before using them to Ensure they have be increased vibration caused by faults or gen			
				 Avoid over- 	gripping or forcing a tool or work-piece mo	re than is necessary		
				 Encourage 	good blood circulation by:			
				o Keeping warm	n and dry by dressing appropriately			
				 Massaging 	and exercising the fingers during work brea	aks.		
Defeating Safety Devices (Life	Guards / Safety Protection Devices	Protection			pass, modify, or remove any safety protect the Site Manager and ES&H Manager. Th			
Critical Activity)				 Disconnect 	load indicators			
				· Remove G	uards or handles from rotating equipment o	r tools		
				Fix or lock	triggers and power switches to keep them in	n the "on" position		
				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 eq 	uipment without deploying outrigger pads v	vhen they are required		
Post-Installed Concrete	General Requirements	Energy	of Hazardous	Personnel s perform PICA inst	shall be trained and qualified (as required ballations.	y the Project specifications) to		
Anchors			ll Hazard Damage	 PICA activi 	ties shall be documented on CFN-1081.			
		roporty	Damago	Regarding embedded item reviews:				
				· Reviews ar	e required for the following concrete excava	ations:		
				 Depths gre 	ater than 1-inch from the concrete surface	when non-carbide tooling is used		
				 Depths gre 	ater than 4-inches from the concrete surfac	e when carbide tooling is used		



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		·	Civil Field Engineer (L	anent installations, an Inspection Repo CFE) has evaluated the scope. Once to pproved, a drill stop must be used.			
			· A drill stop (or s follows:	similar device) shall be used to prevent	damage to embedded items as		
				oling and carbide tooling with 4 or more ill stop at all times. Tooling shall be co			
			2 Cutter head concrete inches from the concrete conc	or concrete excavation depths > 4-			
			 Drill stops may 	be turned off (for both non-carbide and	carbide tooling):		
			o When permitted b	y design			
				ion has been evaluated by the FE and tion is required prior to installing anythi			
Post-Installed Concrete Anchors	Pre-Drilling	Release of Hazardous Energy	the design documents	shall lay out the concrete excavations using survey controls. For complex in are recommended to facilitate the layo	stallations or installations with tight		
	Pre-Excavation	Electrical Hazard Property Damage	• If a location device (i.e., rebar scanner or ground penetrating radar) cannot be utilized due to adjacent interferences, 1/4-inch diameter pilot holes may be used.				
			 When practical, it is recommended for the RS (or designee) to use a locating device (i.e., rebar scanner or ground penetrating radar) for locating embedded items (i.e., reinforcing, pipe, conduit, etc.) or drill pilot holes to establish a pattern within the area where the PICA(s) is to be installed. 				
	Drilling	Release of Hazardous Energy	Ensure that dril requirements.	I stops are obtained and used when red	quired in accordance with the		



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Post-Installed Concrete Anchors	Excavation	Electrical Property		o If an embedded prior to continuation		countered, stop drilling/excavat	ting and notify the FE for resolution
Construction Blind	General Requirements	Energy	of Hazardous			oveground construction activiting the following two conditions of	
Penetrations	ations		Hazard Damage	1. The poter (including drywall s		or contacting utilities or damagi	ing permanent plant commodities
			2. The tool(s) or person(s) involved with the activity will be physically accessing areas where direct visual confirmation of the location of enclosed/hidden hazardous energy sources or permanent plant commodities is not achievable.				
				Exceptions:			
				blind cavity do not	require a blir		ard sheet(s) without entering the Examples include self-drilling screws
				UPF Construction	Blind Penetr		n accordance with Y17-95-64-902, oleting blind penetration activities, damage or personal injury.
Ergonomic Hazard Activities	Various Activities	Musculos Disorder		Contact ES&H/IH (factors are encoun		nnel 1) to evaluate your work a	activity if any of the following risk
				Risk Factors			
				often the task is pe	rformed, the		n work positions and postures, how ow long the task lasts. Risk factors



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		<u> </u>	pulli		essive force. Examples include lifting heam manually pouring materials, or maintainin	
			serie		ne same or similar tasks repetitively. Pontinually or frequently for an extended per	
			shou	g positions that pulder height, knew ling the torso wh		ged or repetitive reaching above sing a knife with wrists bent, or
			the I		essure into the body part. Pressing the bird or sharp edges, or using the hand as a	
				ease the potentia	tures . In combination with any one of the al for MSDs to develop. For example, man ng occur with a chilled product or in a colo	y of the operations in meatpacking
			more arms porta effec	d-arm vibration of e difficult to conti is resulting in incitable grinders, ch	th whole body and hand-arm, can caust can damage small capillaries that supply real. Hand-arm vibration may cause a work reased force exertion to control hand-power ainsaws) in much the same way gloves ling an damage the body and greatly increase	nutrients and can make hand tools ker to lose feeling in the hands and ered tools (e.g., hammer drills, mit feeling in the hands. The
			MSI		posure to several risk factors. May place obsure to any one risk factor.	ce workers at a higher risk for
Tungsten Grinder (i.e., Sharpie DX,	thoriated	Electric Shock Lacerations	com		grinder to ensure the motor, power cord, g n good working condition.	grinding head and related
Piranha III)	Tungsten Electrodes	Caught Betwe	LIIS		ollet size is selected for the diameter of turn of the head assembly.	ngsten to be ground; two collets
				dle the equipmending dust.	nt with care especially when cleaning to a	void dispersal and inhalation of



JHA NO.:	JHA-00752		REV:	4	ISSUE DATE:	2-27-25			
JHA TITLE:	Structural Steel Installation and Misc. Metal Work		WORK PACKA NUMBER:	GE N/A	SPECIFIC LOCATION:	N/A			
				Grinder is designe	d to grind tungsten electrodes only.				
			-	Do not plug grinder into an electrical outlet if cord is frayed or cut.					
					Do not unscrew grinder head while the machine is in operation.				
			-	Remove plug from	electrical outlet when changing the diamo	nd wheel or cleaning the grinder.			
				Keep hands away	from moving parts.				
			-	Wear protective hair covering to contain long hair.					
				Do not wear loose clothing neckties, rings, bracelets, or other jewelry, which may get caught, in moving parts of the machine.					
Remove Existing Razor Wire		Struck-b & Line o	y, Lacerations, f Fire	 Stand out of the line-of-fire when making cuts on the razor wire. The maximum section of wire to be removed/cut is a 40' section at any one time. Use specialized PPE for handling razor wire defined as: Kevlar or leather gloves, Kevlar or leather leg chaps, Kevlar or leather cape and sleeves for body core protection including the neck area, hard hat with face shield, safety glasses, vest, safety toed boots. Use danger barricade for the entire work area to prevent unauthorized personnel from entering. Ensure proper access and warning signage is posted. Prior to cutting the razor wire, ensure the wire is secured to prevent inadvertent movement during the cutting operation. Specifically, secure the wire from spring-back (example: installing "S" hooks to holding razor wire while making inside cuts) Once the wire is cut, the individuals making the initial cut are to stand a safe distance out of the line of fire while the razor wire is cut free from the fencing. Once the razor wire bundle is laying on the ground, an excavator secures it on the ground with its bucket. While the bundle is secured, individuals are then permitted to tie the bundle together to prevent springing. Once razor wire has been secured to prevent springing, the excavator picks it up and places in its secured shipping crate. When the crate is left unattended during shift, the lid must be placed on top. At the end of each shift the lid must be screwed on or locked. Once the secure shipping crate is at max capacity, the lid is to be secured and the crate moved to an approved laydown. 					



My signature on the corresponding CFN-1251, UPF Construction Attendance Sheet, indicates that I have read the JHA and have received answers to any questions I had relative to the JHA. My signature further indicates my willingness to comply with the provisions and requirements of the JHA.

JHA NO.: JHA-00752		REV:	4	ISSUE DATE:	2-27-25
JHA TITLE:	Structural Steel Installation and Misc. Metal Work	WORK PACKAGE NUMBER:	N/A	SPECIFIC LOCATION:	SITE
Ensure a r	new corresponding CFN-1251, L	JPF Construction Attendance Sheet,	is signed and inse	ted in the CWP to docume	ent JHA briefing.
PREPARER: Anton Panev Printed Name/Si				Par	02/28/25 Date
APPROVAL:			anner man meneral meneral meneral est service de la company de la compan	titaanin dan dan salah sal	e vereferent formen fortilframentifischen weiter generale
ES&H:		Robert Drake	Roll	C Qh	- 02/28/25
		Printed	Date		
SITE MANAGER: (DOA-CM-801768-A	L / John Isenberg				

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