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Job Hazard Analysis		JHA # 1
<b>Job/Task Title: Interior Metal Framing</b>		
Safe Job Procedure:		Revised 1/2024
<p>This JHA is for the safe and successful installation of Interior Metal Framing. Proper ergonomics is critical while framing. Eliminating twisting and overreaching and minimizing the use of tools overhead is important for reducing strains and sprains. Emphasis is also placed on wearing the required PPE, Scaffold/MEWP Safety, and the proper use of PAF Tools.</p>		
<p><b>Required PPE: Hard Hat, Safety Glasses, Hi-Vis Vest, Cut-4 Gloves, Cut Resistant Sleeves, Hearing Protection, Knee pads (layout), and Work Boots</b></p>		
<p><b>Review JHA's 24,26,27,28,30,31,34: MEWP and Aerial Lift, Material Handling, Powder Actuated Tools, Scaffold, Covering/Cleanup, LOTO, Overhead Work</b></p>		
<b>Step #1 Work Area Inspection</b>		
Steps to Complete Job	Hazards	Preventive Measures
Survey and set up the work area.	Workers can be cut on sharp materials, sharp edges, or equipment. Possible trips, falls, and being struck by loose debris or unsecure materials.	1) Hard Hat, Safety Glasses, Hi-Vis vest, Cut-4 Gloves, Hearing Protection, Cut Resistant Sleeves (framing or cutting), Knee pads (layout), and Work Boots.
		2) Identify, eliminate, or mark all trip hazards such as, open holes, slippery conditions, rolling stock, or changes in elevations.
		3) Correct or note any changes in work area since last leaving it.
		4) Pickup loose materials and remove debris from work area.
Identify any stored energies in the work area that could be released due to the work being performed, or by being damaged.	Workers could release unknown or unsuspected energy due to damage, removal of system components, or exposure of system components.	1) Relocate stored energy components or system from work area.
		2) Deenergize and install LOTO (JHA #31) procedures to stored energy source.
		3) Install bulletproofing or mitigation to protect stored energy source.
		4) Barricade and tag area around stored energy source.



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Walk area to ensure that there is adequate lighting and electrical power supply.	Lack of lighting can impair the ability to see, causing trips, falls, cuts, etc. Lack of sufficient electrical power can cause circuit overloads. and excessive number of electrical cords in the area.	1) Have temporary task lighting provided before work begins.
		2) Have temporary power provided before work begins.
		3) Minimize electrical cords in area. Verify the cords in use are rated for their expected use.
		4) All cords and lighting to be GFCI protected.
		5) All cords to be tested and marked according to current Assured Grounding protocol.
Coordinate work in the area with other trades.	Possible confusion and conflict due to multiple trades working in a limited area.	1) Communicate with other trades to avoid creating a hazardous situation by trade stacking. <b>Coordination.</b>
<b>Step #2 Layout</b>		
<b>Steps to Complete Job</b>	<b>Hazards</b>	<b>Preventive Measures</b>
Laying out walls, soffits, or other architectural features.	Worker has the potential to be exposed to strains, cuts, and falls.	1) Stretch and flex before beginning of shift and after lunch. Stretch throughout the shift when needed to reduce or eliminate muscle strains.
		2) Wearing knee pads is required.
		3) Post "Laser-In-Use" warning signs.
Drying off floor to snap chalk lines.	Worker has the potential to be exposed to burns, slips/trips, and sprains.	1) Squeegee floor of water before attempting to dry floor with weed burner.
		2) Inspect area for any combustibles prior to using weed burner and remove them.
		3) Ensure fire extinguisher is readily available and adjacent to work area.
		4) Use appropriate striker for igniting the weed burner.
		5) Turn off valve for the weed burner and the tank when not in use.
		6) At the end of shift turn off both valves and disconnect the weed burner from tank for storage. After the weed burner has cooled, secure it in the gang box. Secure propane tank in approved designated containment or chain up to gang box.



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Step #3 Cutting Material			
Steps to Complete Job	Hazards	Preventive Measures	
Operating a chop saw or grinder in the process of cutting metal framing components.	Worker could be exposed to excessively loud noise and possible electrical shock.	1) Hearing Protection is required when operating a chop saw. When noise exceeds 85db hearing protection is required. <b><i>Metal chop saw produces noise greater than 120db.</i></b>	
		2) Inspect saw and blade for any defects or damage.	
		3) Inspect cords and ensure you're connected to an approved power source with GFCI.	
	Worker will be exposed to flying debris, sparks, and metal particles.		1) Wearing of safety glasses and face shield is required.
			2) Set up cut station in a manner that will not allow sparks to damage adjacent materials such as glass, drywall, finished floor etc.
			3) Remove any combustible material from the area.
			4) Ensure fire extinguisher is properly charged, currently inspected, and attached to cut station.
	Worker will be exposed to possible trips, slips, sprains, and strains.		1) Stretch and flex before beginning of shift and after lunch. Stretch throughout the shift when needed to reduce or eliminate muscle strains.
			2) Set up the cut station to minimize lifting, reaching, bending, and kneeling. Stock materials near task area.
			3) Utilize dump buggies for handling and transporting waste. Do not overload. Set up dump buggy so cut offs fall directly into it.
			4) Set up station to support the material lengths required.
			5) When feasible, keep materials stocked on carts for mobility.
Steps to Complete Job	Hazards	Preventive Measures	
Installing and attaching metal framing using an impact/screw gun, basic hand tools, and PAF's.	Worker has the potential to be exposed to electrical shock, strains, sprains, and cuts.	1) Position body in front of the work to avoid overreaching and unnecessary twisting. Minimize reaching overhead when using the impact/screw gun or PAF.	
		2) When installing long or heavy pieces of material, utilize adequate crew size or mechanical means to safely handle installation and materials.	



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		3) Utilize cordless tools whenever possible.
		4) Partners are to work together to accomplish their task. Consider crew rotation throughout the day to avoid Strains.
		5) Down guy to keep area clear of debris, watch out for potential hazards, and pass materials up.
		6) When attaching track overhead, face shield, tight fitted safety glasses or spoggles are required.