



FRED SHEARER & SONS, INC.
ESTABLISHED 1916

Job Hazard Analysis		JHA # 4
Job/Task Title: Shaft Wall Installation		
Safe Job Procedure:		Revised 11/2024
This JHA is for the safe and successful installation of shaft wall framing and shaft liner. Special emphasis is placed on Fall Protection, "Stop the Drop", and working with heavy, awkward materials.		
WORKERS MUST READ AND UNDERSTAND JHA #0 BEFORE BEGINNING ANY TASK		
Review JHA's #22 Baker Scaffolds, #23 Power Tools and Equipment, #24 MEWP and Aerial Lift, #26 Material Handling, #27 Powder Actuated Tools, #30 Covering/Cleanup, #33 Fall Protection, #34 Overhead Work		
Step #1 Cutting Material		
Steps to Complete Job	Hazards	Preventive Measures
Operating a chop saw, angle grinder or screamer saw and hand tools in the process of cutting metal framing components.	Worker could be exposed to excessively loud noise and possible electrical shock, cuts and punctures	1) Additional PPE: Hearing protection, Face shield, Cut 4 Gloves and Cut-less Sleeves. Hearing protection is required when noise exceeds 85dB. Chop saws, angle grinders, screamers produce noise in excess of 120dB.
		2) Prior to use, inspect the tool, blade, or cut-off wheel for any defects or damage. Assure all guards are in place. If the blade or cut-off wheel is worn out or damaged, replace it. If issues are found with the equipment, immediately red tag the tool and take it out of service by handing off to the supervisor.
		3) Inspect cords and ensure your connected to an approved power source with GFCI.
	Workers will be exposed to sparks, and possible fires.	1) Set up cut stations so sparks will not damage nearby materials, such as glass, drywall, finished floors, etc.
		2) Remove any combustible material from the area.
		3) Ensure a fire extinguisher is attached to the cut station, is charged, and has a current annual inspection tag.
	Worker will be exposed to possible trips, slips, sprains, and strains.	1) Set up the cut station to minimize lifting, reaching, bending, and kneeling. Stock materials near task area. (Materials should be stocked within 15 feet of the task area for maximum efficiency and to avoid injury)
		2) Use a dump buggy for handling and transporting waste. Do not overload. Set up dump buggy so cut offs fall directly into it. (Don't let debris hit the ground)



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		3) Set up station to support the material lengths required.
		4) When feasible, keep materials stocked on carts for mobility.
Step #2 Installation of J Track and Shaft Studs		
Steps to Complete Job	Hazards	Preventive Measures
Installing metal framing using an impact gun, basic hand tools, and Powder Actuated Fasteners (PAFs).	Workers have the potential to be exposed to strains, sprains, cuts, punctures, excessive noise, and falls.	1) Additional PPE: Hearing protection, Face shield, Cut 4 Gloves and Cut-less Sleeves. Hearing protection is required when noise exceeds 85dB. PAFs produce noise in excess of 120dB.
		2) When feasible, position your body in front of the work to avoid overreaching and unnecessary twisting. Minimize reaching overhead by repositioning lift or baker in order to get closer to the work.
		3) When installing long, heavy, or awkward material, get help or use mechanical means to safely handle the installation.
		4) Partners are to work together to accomplish their task. Consider crew rotation throughout the day to avoid strains.
		5) The down guy must keep the area clear of debris, watch out for potential hazards, and feed materials to the up guy.
		6) Fall protection planning is required when a worker is at or above 6 feet, or closer than 6 feet to an unprotected leading edge, or if gap in framing is greater than 18 inches. (See JHA #33 Fall Protection)
Step #3 Installation of Shaft Liner		
Steps to Complete Job	Hazards	Preventive Measures
Cutting shaft liner using hand and power tools.	Worker will be exposed to cuts, punctures, pinch, pokes, strain and sprains.	1) Additional PPE: Cut level 4 gloves. Sleeves are recommended. When overhead work produces particles, gasketed safety glasses or a clear face shield with safety glasses are to be worn.
		2) Use proper hand, foot placement at all times.
Installing shaft liner using impact/screw gun. Access work with MEWP or baker scaffold.	Worker has the potential to be exposed to strains, sprains, punctures, flying debris, cuts, tip over, falls.	1) When installing long or heavy pieces of material, get help or use mechanical means to safely handle materials.
		2) Partners are to work together to accomplish their task. Consider crew rotation throughout the day to avoid strains.
		3) Inspect equipment daily before use.