



FRED SHEARER & SONS, INC.
ESTABLISHED 1916

Job Hazard Analysis		JHA # 23
Job/Task Title: Use of Powered Tools and Equipment		
Safe Job Procedure:		Revised 11/2024
This JHA is for the safe and successful use of powered tools (both corded and cordless), powered equipment, and hand tools. Emphasis is placed on utilizing cordless tools (when feasible), proper GFCI protection and following the assured grounding program, disengaging power when changing bits and blades, and protection against silica exposure.		
WORKERS MUST READ AND UNDERSTAND JHA #0 BEFORE BEGINNING ANY TASK		
Step #1 Tool and Equipment Inspection		
Steps to Complete Job	Hazards	Preventive Measures
Inspection of the powered tool or equipment and it's power source.	Worker has the potential to be exposed to strains, sprains, and electrical hazards.	1) All corded tools, equipment and battery chargers need to be connected to approved power and GFCI protected. If using an extension cord, the GFCI must be plugged into an approved power source, and then the cord plugged into the GFCI.
		2) Tools, cords, and extension cords need to be inspected for defects prior to use daily. If defects are found, remove faulty cords from service and handoff to the foreman. All cords must be tested and marked according to the current Assured Grounding Program color.
		3) Do not route extension cords over sharp objects, through wall track, or through main access routes. Elevate cords when feasible.
		4) Guards and safety switches must not be removed or tampered with. If guards are missing, replace before using or red tag and remove from service by handing off to foreman.
		5) Ensure secondary handles are installed and working properly. If secondary handles are missing, replace before using.
		6) Never lift, lower, carry, or unplug a tool by its cord.
		7) Any tool or equipment that is found in unsafe condition must be red tagged and removed from service.
Using powered tools and equipment to complete scope of work.	Punctures, electrical hazards, struck-by, caught between, pinch points, eye injuries, loud noise, and exposure to hazardous dusts.	1) Additional PPE: Hearing protection required when noise exceeds 85dB, tools like miter saws, grinders, and screamers have the potential to produce noise that exceeds 120db.



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	<p>2) A clear or mesh face shield is required when sparks are generated from tool or equipment use i.e., chop saw or grinder. To prevent injuries, a face shield or tight fitted safety glasses (foam wrapped or gasketed goggle) are required when overhead work produces debris.</p>
	<p>3) Workers must understand the safe operation of each tool and be familiar with its use.</p>
	<p>4) If the tool has a secondary handle available, it must be used.</p>
	<p>5) Verify blades and bits are sharp and wheels are free of chips or cracks. Replace as needed.</p>
	<p>6) Unplug or disengage battery when changing out blades or bits or performing any maintenance.</p>
	<p>7) Position hands, fingers, and body to prevent putting yourself in a vulnerable position. Never place body parts within 6 inches to the point of operation.</p>
	<p>8) Set up work area to minimize overreaching, bending, and kneeling.</p>
	<p>9) Follow FSS silica control policies when drilling, cutting, or grinding concrete. Only use Table 1 compliant tools i.e., HEPA vacuums</p>
	<p>10) Manufacturers recommend not wearing gloves when working with a drill press. Gloves are not to be worn when using these tools.</p>

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