



## JOB SAFETY ANALYSIS

COMPANY/ PROJECT NAME or ID/ LOCATION ( City, State) <b>Brieser Construction</b>		DATE 04/12/22	<input checked="" type="checkbox"/> NEW <input type="checkbox"/> REVISED	PAGE 1 of 2
WORK ACTIVITY (Description): <h1 style="text-align: center;">Partner Saw for Metal/Wood/Concrete/Asphalt</h1>				
<b>DEVELOPMENT TEAM</b>	<b>POSITION / TITLE</b>	<b>REVIEWED BY:</b>	<b>POSITION / TITLE</b>	
Kevin Colwell	Director of Safety			
<b>MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT ( SEE CRITICAL ACTIONS FOR TASK-SPECIFIC REQUIREMENTS)</b>				
<input type="checkbox"/> REFLECTIVE VEST <input checked="" type="checkbox"/> HARD HAT <input type="checkbox"/> LIFELINE / HARNESS <input checked="" type="checkbox"/> SAFETY GLASSES	<input type="checkbox"/> GOGGLES <input checked="" type="checkbox"/> FACE SHIELD <input checked="" type="checkbox"/> HEARING PROTECTION <input checked="" type="checkbox"/> SAFETY SHOES	<input type="checkbox"/> AIR PURIFYING RESPIRATOR <input type="checkbox"/> SUPPLIED RESPIRATOR <input type="checkbox"/> PPE CLOTHING	<input type="checkbox"/> GLOVES Cut-resistant <input checked="" type="checkbox"/> OTHER Double Hearing Protection- Water to Control Silica Dust	
<b><sup>1</sup>JOB STEPS</b>	<b><sup>2</sup>POTENTIAL HAZARDS</b>	<b><sup>3</sup>CRITICAL ACTIONS TO MITIGATE HAZARDS</b>		
1) Walk Down Work Area/Identify Utilities	<ul style="list-style-type: none"> <li>Utility strike/Other unsafe conditions/atmospheres</li> <li>Slips/Trips/Falls</li> </ul>	<ul style="list-style-type: none"> <li>Job lead will walk down job with PM or area leader to identify potential utility/plant infrastructure conflicts.</li> <li>Remove/Mark/Identify obstructions to work activities and coordinate with other personnel/contractors to be clear of cutting operations.</li> <li>Ensure all utilities have been located via 811 or plant contact.</li> </ul>		
2) Inspect and Prepare Saw	<ul style="list-style-type: none"> <li>Damaged Equipment</li> <li>Damaged/Worn blades that could break or provide more cutting resistance</li> </ul>	<ul style="list-style-type: none"> <li>Inspect saw. Make sure all guards are in place, emergency switches work, and machine is in good operating condition.</li> <li>Inspect all blades. New blades could have been damaged in shipment or handling.</li> <li>Blade shaft collars must be of proper diameter for the size blade being use or blade could become disengaged.</li> <li>Disconnect spark plug and engage and use the blade lock pin whenever installing a new blade to prevent accidental start up/blade rotation.</li> <li>Make sure to have the correct blade for the material you will be cutting.</li> </ul>		
3) Start Saw	<ul style="list-style-type: none"> <li>Cuts/Lacerations</li> <li>Flying Debris</li> <li>Hearing Loss</li> <li>Dangerous Atmosphere</li> </ul>	<ul style="list-style-type: none"> <li>Start saw on ground with foot on rear handle, left hand firmly gripping saw grip, right hand pulling starter cord. Wear proper PPE. Ensure other employees are clear of the area.</li> <li>Wear safety glasses and face shield to protect eyes.</li> <li>Wear double hearing protection.</li> <li>Do not drop start the saw.</li> <li>Beware of carbon monoxide hazards when using the saw in enclosed spaces.</li> </ul>		



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<p>4) Cutting Wood</p>	<ul style="list-style-type: none"> <li>• Cuts/Lacerations</li> <li>• Kickback</li> <li>• Strain/Fatigue</li> <li>• Struck By</li> <li>• Hearing Loss</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain proper stance. Keep left arm and elbow straight, two hands on the saw, maintain secure footing, never cut above shoulder level. Stop engine for all cleaning, adjustments, repair, and refueling of saw.</li> <li>• Make sure blade is moving before making contact with material being cut. Use wedge when necessary to prevent binding.</li> <li>• Proper body position, take frequent breaks, stay hydrated.</li> <li>• Barricade area to keep out non-essential personnel.</li> <li>• Never cut with other personnel in the line of fire of the blade.</li> <li>• Ensure hearing protection for operator and others in the work area is being worn</li> </ul>
<p>5) Cutting Metal</p>	<ul style="list-style-type: none"> <li>• Cuts/Lacerations</li> <li>• Kickback</li> <li>• Strain/Fatigue</li> <li>• Struck By</li> <li>• Hearing Loss</li> <li>• Sparks/Fire</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain proper stance. Keep left arm and elbow straight, two hands on the saw, maintain secure footing, never cut above shoulder level. Stop engine for all cleaning, adjustments, repair, and refueling of saw.</li> <li>• Make sure blade is moving before making contact with material being cut.</li> <li>• Proper body position, take frequent breaks, stay hydrated.</li> <li>• Barricade area to keep out non-essential personnel.</li> <li>• Never cut with other personnel in the line of fire of the blade.</li> <li>• Ensure hearing protection for operator and others in the work area is being worn</li> <li>• Obtain proper hot work permit.</li> <li>• Monitor atmosphere is potential for explosive environment is present.</li> <li>• Contain(nest) sparks with fire blanket or welding screens to prevent errant sparks from entering other work areas/striking personnel.</li> <li>• Keep combustible fuels away from the cutting area.</li> </ul>



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<p>6) Cutting Concrete/Asphalt</p>	<ul style="list-style-type: none"> <li>• Cuts/Lacerations</li> <li>• Kickback</li> <li>• Strain/Fatigue</li> <li>• Struck By</li> <li>• Hearing Loss</li> <li>• Sparks/Fire</li> <li>• Dust/Silica</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain proper stance. Keep left arm and elbow straight, two hands on the saw, maintain secure footing, never cut above shoulder level. Stop engine for all cleaning, adjustments, repair, and refueling of saw.</li> <li>• Make sure blade is moving before making contact with material being cut.</li> <li>• Proper body position, take frequent breaks, stay hydrated.</li> <li>• Barricade area to keep out non-essential personnel.</li> <li>• Never cut with other personnel in the line of fire of the blade.</li> <li>• Ensure hearing protection for operator and others in the work area is being worn</li> <li>• Blade may contact embedded steel/metal in material and create a spark. Obtain proper hot work permit.</li> <li>• Monitor atmosphere is potential for explosive environment is present.</li> <li>• Contain(nest) sparks with fire blanket or welding screens to prevent errant sparks from entering other work areas/striking personnel.</li> <li>• Use water to mitigate dust.</li> <li>• Consult OSHA Table 1 for additional mitigation means for work in excess of 4 hours or indoors/enclosed areas.</li> </ul>
<p>7) Carrying Saw</p>	<ul style="list-style-type: none"> <li>• Cuts/Lacerations</li> </ul>	<ul style="list-style-type: none"> <li>• When carrying saw the engine is to be off.</li> </ul>

<sup>1</sup> Each Job or Operation consists of a set of steps. Be sure to list all the steps in the sequence that they are performed. Specify the equipment or other details to set the basis for the associated hazards in Column 2

<sup>2</sup> A hazard is a potential danger. What can go wrong? How can someone get hurt? Consider, but do not limit, the analysis to: **Contact** - victim is struck by or strikes an object; **Caught** - victim is caught on, caught in or caught between objects; **Fall** - victim falls to ground or lower level (includes slips and trips); **Exertion** - excessive strain or stress / ergonomics / lifting techniques; **Exposure** - inhalation/skin hazards. Specify the hazards and do not limit the description to a single word such as "Caught"

<sup>3</sup> Aligning with the first two columns, describe what actions or procedures are necessary to eliminate or minimize the hazards. Be clear, concise and specific. Use objective, observable and quantified terms. Avoid subjective general statements such as, "be careful" or "use as appropriate".