








UC SANTA BARBARA Environmental Health & Safety Design, Facilities & Safety Services		Procedure No.: SS-HB
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Issue Date:	Review Date: 10/01/21	Page Number: 1 of 1

**WARNING!** Do not use this machine unless an instructor or shop supervisor has instructed you in the safe use and operation and has authorized you to operate this equipment!

Equipment/Machine:	HORIZONTAL BORER
Description of Work:	Using a horizontal borer.
Make/Model Number:	
<b>Potential Hazards:</b> Exposed moving parts and electrical hazard with the potential to cause harm through entanglement, exposure to heat, noise, dust, projectiles and sharp objects.	

Personal Protective Equipment (PPE) Required (Check the box for required PPE)						
						
Gloves	Face Masks	Eye Protection	Hearing Protection	Safety Footwear	Protective Clothing	Welding Mask
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Safe Work Procedure Checklist:
<p><b>1. PRE-Operation:</b></p> <ul style="list-style-type: none"> <li>Task (e.g. Drawings, instructions, specifications etc) is clearly understood.</li> <li>Drill bit is tight in chuck and chuck key has been removed.</li> <li>Work piece is securely clamped.</li> <li>Correct drill speed has been set.</li> <li>Where necessary, depth stop for drill has been set or wood to be drilled is rested on scrap.</li> <li>Make sure guarding is in place.</li> <li>Identify ON/OFF switch and emergency stop button (if applicable).</li> </ul> <p><b>2. Operation:</b></p> <ul style="list-style-type: none"> <li>Check that drill runs 'true' and does not wobble.</li> <li>Keep hands clear of work piece and away from rotating tool.</li> <li>Back out frequently on deep cuts to clean and cool drill bit.</li> <li>Turn off machine before belt speeds are changed.</li> <li>Guarding in place before machine re-start.</li> </ul> <p><b>POST-Operation:</b></p> <ul style="list-style-type: none"> <li>Switch off drill before removing chips and shavings from the drill table.</li> <li>Make sure good housekeeping practices are in place to minimize dust build-up.</li> <li>Return clean drill bit to drill rack and clamps to their storage area.</li> </ul>