



### Electrical Safety (General)

Developed by:	Approved by:	Date created:	Last revision:
B White Safety Coordinator	Jason Moffat	October 2010	December 1, 2022
Possible Hazards Present	Personal Protection Required	Additional Training	
<ul style="list-style-type: none"> <li>- Electrocution</li> <li>- Shock</li> <li>- Thermal injury</li> <li>- Arc flash</li> <li>- Explosion/fire</li> </ul>	<ul style="list-style-type: none"> <li>- CSA approved PPE</li> <li>- Hardhat</li> <li>- Insulated boots</li> <li>- Insulated tools</li> <li>- Insulated gloves</li> <li>-</li> </ul>	<ul style="list-style-type: none"> <li>- Minimum electrical apprenticeship</li> </ul>	
<ol style="list-style-type: none"> <li>1. Lockout electrical equipment that is to be worked on or serviced.</li> <li>2. Inspect equipment for damage before each use.</li> <li>3. Inspect electrical cords for defects; cracking, fraying, faulty prongs.</li> <li>4. Know where electrical boxes are in case of an emergency.</li> <li>5. Pull the plug, not the cord when unplugging.</li> <li>6. Do not work on potentially energized equipment without proper lockout in place.</li> <li>7. Do not use equipment, outlets or cords that are damaged or have exposed wires.</li> <li>8. Do not bypass the switch &amp; operate by connecting or disconnecting the cord.</li> <li>9. Do not block access to circuit breakers or fuse boxes.</li> <li>10. Do not use electrical equipment in wet conditions or damp locations unless the tool is connected to a ground fault plug.</li> <li>11. Do not use a metal ladder or scaffold near any energized electrical circuits or equipment.</li> <li>12. Ensure all electrical circuits and equipment is installed according to the Mb Electrical Code.</li> <li>13. Ensure that electrical panels and switches controlling a service supply are protected from damage.</li> <li>14. Install ground fault circuit interrupters in areas that are damp or wet.</li> <li>15. Ensure you develop and follow lockout procedures when working on energized equipment.</li> <li>16. Ensure you develop SOPs for working near overhead electrical lines.</li> <li>17. Ensure equipment is properly grounded by using a three-prong plug or double insulation.</li> <li>18. Turn off equipment before connecting it to a power supply and disconnect the power supply before making adjustments or changing accessories.</li> <li>19. Inspect equipment for signs of damage before each use. Tag out/lock out defective equipment.</li> <li>20. Use only approved extension cords with proper wire gauge for length and power supply.</li> </ol>			



21. Keep power cords away from heat, oil, sharp edges and moving parts.

**REPORT ANY DANGEROUS SITUATIONS TO THE SUPERVISOR**

**Documentation/Legislation**

Workplace Safety and Health Regulation,  
M.R. 217/2006

6 - Personal Protective Equipment  
38 – Electrical safety

**This Safe Work Procedure will be reviewed anytime the task, equipment or materials change and at a minimum every three years.**