## Safety Talk: **Electrical Safety**



HIGH VOLTAGE HIGH VOLTAGE CONT CO	are the <u>fifth</u> <u>leading</u> <u>cause</u> <u>of</u> <u>injuries</u> . ling causes of these fatalities are: act with overhead power lines act with wiring and other electrical ponents act with electrical current from hines/power tools/fixtures	Here are some practices to follo using electrical machines 1. Ensure the too devices, and are in good re <u>prior</u> to using. 2. Beware of
<ul> <li>Electrical accidents can result in:</li> <li>Minor shocks;</li> <li>Electrical burns;</li> <li>Arc flash explosions;</li> <li>Falls from heights;</li> <li>Fires; and</li> <li>Electrocutions – death!</li> </ul>	<ul> <li>When using electrically powered machines, equipment, or tools, the following can ensure your safety:</li> <li>Guards - cover live electrical parts to prevent contact;</li> <li>Double insulation or grounding - protect the user against shock in</li> </ul>	overloading o interconnecti multiple exten cords and po strips. 3. Always use a when working in wet enviror
<b>DANGER</b> HIGH VOLTAGE AUTHORIZED PERSONNEL ONLY	<ul> <li>case of internal electrical system failure;</li> <li>Fuses – shuts off power if too much current is flowing through a circuit; and</li> <li>Ground Fault Circuit Interrupters (GFCI) – shuts off power if it senses an imbalance between current to the energized and</li> </ul>	or around sou water. 4. Never handle by its cord. 5. Always use per tools that are grounded (the pronged) or c
<ul> <li>RESPECT ELECTRICITY !</li> <li>Current as little as 60 miliamps at 60 Hz is enough to be fatal.</li> <li>50 V at 60 Hz can provide enough</li> </ul>	return conductor. KEEP IN MIND:	<ul> <li>6. Tag and remo service any d equipment.</li> </ul>
<ul> <li>current to be fatal.</li> <li>Never work on live electrical parts!</li> <li>Perform lockout/tagout for machines or equipment and unplug power tools prior to</li> </ul>	<u>FUSES:</u> Protect against <u>fires</u> and property damage. <u>GFCI's:</u> Protect against	<b>ADDITIONAL INFOR</b> Review the follow policies on the

- unplug power tools prior to servicing. Never use conductive ladders or
- conductive tools around live electricity and power lines.

Always test the GFCI prior to using it!

electrical shocks.

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- GFCI g outside, nments, urces of
- e a tool
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- ove from damaged

## MATION:

ving Environmental Health and Safety website:

Hand and Portable Power Tools, Lockout/Tagout, and Machine Guarding