

ELECTRICAL SAFETY

In work and at home, electricity is an integral part of our everyday lives. Although we are accustomed to the usual warnings and precautions, our frequent use of electricity makes it easy to take its terrific power and damage potential for granted. Below are some of the common injuries that can occur and ways to prevent them.

Electrical Injury Categories

Fatal Electrocutation

Caused when a person is exposed to a lethal amount of electrical energy

The duration, amount, and path of shocking current through the body overloads the nervous system or severely damages internal organs

Falls

Caused as a result of contact with electrical energy

Muscle contraction may cause a person to fall from an elevation, such as a ladder, as a result from contact with electricity

Safe Working Practices

- Allow only trained, qualified employees to work on electrical equipment.
- De-energize all circuits and equipment before starting any electrical work.
- Always close electrical control panels and cover receptacle boxes .
- Always wear proper personal protection equipment when working around electrical equipment such as rubber-soled shoes or boots on damp wet surfaces.
- Follow All Lock-out procedures for all machines when required.
- Ensure all cords and tools used while working have adequate insulation.
- Purchase extension cords that include a three prong grounding end.
- Encourage the use of ground fault circuit interrupters (GFCI) in the following environments
 - Electricity is used near water
 - The user of electrical equipment is grounded
 - Power is being provided to portable tools or outdoor receptacles
 - Temporary wiring or extension cords are being used

For Further Information Review the following

The National Fire Protection Agency (NFPA) 70E and Occupational Safety and Health Administration (OSHA) Subpart S in 1910 and Subpart K in 1926 cover a full range of safety information employers and employees need to know this information to prevent losses occurring from electricity.



TAKE SAFETY PERSONALLY:

MAKE IT A PART OF YOUR DAILY ROUTINE.

THINK SAFETY!

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