



Electric Wiring

Electrical hazards are the third-leading source of fatal injuries among construction workers. One of every eight construction industry deaths involves electricity.

Here is an Example

Ryan and his foreman were finishing the electrical wiring of an outdoor floodlight. Ryan began removing the insulation from a normal house wiring unit using insulated wire strippers. His right thumb and right index finger contacted the non-insulated part of the wire stripper. The 110-volt circuit had not been shut off at the panel box. Ryan received an electrical shock and fell to the ground. The ambulance soon arrived, but he was pronounced dead upon arrival at the hospital.

1. How would you prevent an accident like this?
2. Have you ever experienced a shock from electric wiring? Do you know anyone who has had an electrical injury? If so, what happened?

Preventing Electrocutions from Electric Wiring

- Clearly identify disconnected power source and circuits.
- De-energize circuits before doing any type of work on electrical circuits.
- Use lockout devices to prevent a circuit from becoming live.
- Use an AC voltage tester to verify the electrical power is off.

What Are We Going to Do Today?

What will we do here at the worksite today to prevent being electrocuted by electric wiring?

1. _____

2. _____

3. _____

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