

Incident Review – Part 3

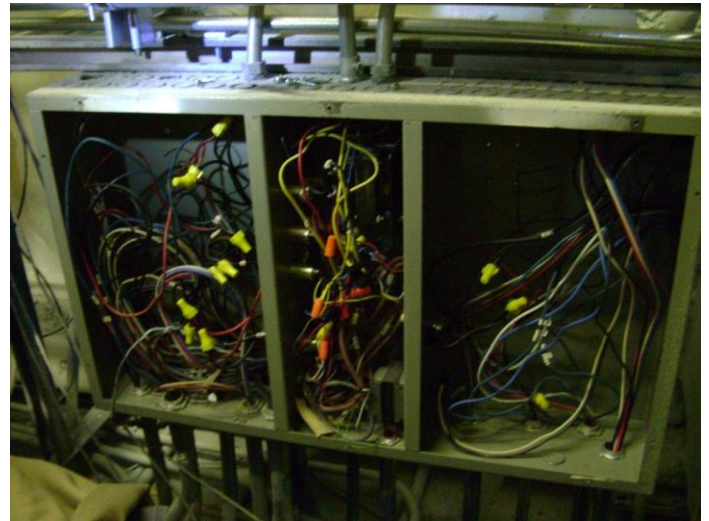
Did You Know?

ESA reviews and reports on electrical incidents that occur. We have highlighted two of these incidents below.

Incident #1 – Junction Box Fatality

Summary:

An electrician was fatally injured while working within an energized junction box in a hospital renovation project. The site electrical crew was working on removing 347 volt branch circuit wiring to lighting switches.



Causal Factors:

1. Details of the project were not discussed.
2. Victim did not want to shut lights off in other areas so worked on energized circuit.
3. No attempt to isolate power.
4. Victim worked live.

Incident #2 – Exposed Conductor in Attic

Summary:

A worker was insulating ductwork in an attic of an old house. While doing so, the worker made incidental contact with a bare energized conductor with the back of his neck. The worker received an electric shock and succumbed to his injury.



Causal Factors:

1. Conductor unintentionally wired into the line side of a 240V circuit.
2. Energized bare conductor stretched across entire attic
3. Worker was not aware of the hazard
4. Homeowner's friend, EMS rescue team, investigators and other personnel went into the attic while conductor was energized. There was potential for more injuries or fatalities.