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## Risk Element

- Electric shock;
- Injury whilst installing equipment and cables.

## Precautions to Eliminate/reduce Risk

- Make sure supply is isolated;
- Correct plant and tools are used throughout the project;
- Correct safety precautions are used/followed.

## Action in an Emergency

- Isolate electricity supply;
- Remove injured person(s) from danger area (if without risk);
- Render first;
- Call emergency services.

## Safe Working Method

**NOTE: Reference should be made to the I.E.E. Regulations (BS7671) and the Electricity at Work Regulation 1989 before implementing these procedures.**

- Calculate total working current;
- Check to see if appropriate and adequate supply is available;
- Calculate cable sizes as per I.E.E. Wiring Regulations;
- Install equipment and cables in accordance with I.E.E. Regulations;
- Carry out necessary electrical tests and checks, and rectify faults if necessary;
- Switch on supplies, run and check equipment;
- Hand over project to client after completing all relevant documentation.