



CI-0703

TAB 7: TECHNICAL DISCIPLINES

Electrical

- > Underground warning tapes.
- > Labelling nomenclature.
- > Electrical Rooms are to have a framed Single Line Drawing of the Electrical Distribution System which is to be updated with any addition or deletion of part of the system.

CODES AND STANDARDS

Provide products listed and classified by CSA, ESA and acceptable to authority having jurisdiction as suitable for purpose specified and shown.

ARC FLASH

Electrical Arc Flash hazard levels to be designed for minimum hazard risk. Preliminary Electrical Arc Flash hazard level study will indicate possible hazard. The equipment selection will be done to minimize the Hazard prior to equipment purchase. The final arc flash study will verify the Levels. At the completion of work, all equipment in the space at the site shall be labeled and floors permanently marked showing boundaries for all hazard levels above level 0.

WIRE MARKERS

Locations: Each conductor in a panel board, pull boxes, outlet and junction boxes, patch panel, rack and each connection.

Wire Identification Materials: Use one of the following:

- > Heat shrink sleeves, blank;
- > Clear plastic tape wrap-on strips with white writing section;
- > Wrap-on strips, pre-numbered;
- > Slip-on identification bead markers or sleeves, blank or pre-numbered;
- > **Power & Lighting Circuits:** Branch circuit/feeder number indicated on drawings;
- > **Control Circuits:** Control wire number indicated on schematic & interconnection diagrams on drawings & shop drawings.

NAMEPLATE IDENTIFICATION OF EQUIPMENT

Identify equipment with lamicoïd nameplates as indicated in Equipment Identification Schedule.