Electrical Safety Program
Appendix K-Electrical Risk Assessment Flowchart

Management and qualified electrical workers shall be able to perform risk assessment to determine which tasks require certain documentation, PPE, boundaries, and insulated tools. The flowchart below outlines the thought process for performing this risk assessment.

What is the Highest Nominal Voltage in Enclosure?

- Less than 50 Volts (Level 1 & 2 Qualified Electrical Workers)
  - No PPE or Documentation Required

- Between 50 & 480 Volts (& 277 V lighting) (Level 1 & 2 Qualified Electrical Workers)
  - energized or Deenergize Electrical Work?
    - Energized Work
      - Testing, Troubleshooting, Infrared, or Inspection?
        - Yes
          - No Documentation Required. Refer to Row #2 on ERAT
        - No
          - EEWP Required. Refer to Row #3 on ERAT
    - Deenergized Work
      - Establish ESWC. No Documentation Required. Refer to Row #4 on ERAT

- Between 480 & 1000 Volts (Level 2 Qualified Electrical Workers)

- Over 100 Volts (Level 2 Qualified Electrical Workers)
  - MV Permit Required. Refer to Row #5 on ERAT

- Is equipment fed from a 50A (or smaller) fuse or circuit breaker (1 or 2 pole)
  - No
    - No Documentation Required. Refer to Row #1 on ERAT (Refer to Ballast Risk Assessment if lighting)