



Services Provided By Collins Electrical

Thermographic Imaging

- Removal and replacement of covers on all listed pieces of equipment by State Certified Electricians/Level I Certified Thermographers.
- Adherence to NFPA 70E safety standards by NFPA 70E trained electricians.
- Infrared Thermography (Detection of Hot Spots) on all listed pieces of equipment.
- Visual Inspection on all listed pieces of equipment.
- If Infrared problem is found variables such as True RMS Current, Total Harmonic Distortion % (Current) and Voltage Drop will be taken and documented to determine the cause and resolution to repair the problem.
- Ultrasonic Scanning (Detection on low level arcing, tracking, and corona).
- Documentation of code violations and or Safety Issues.

Electrical Preventative Maintenance (EPM)

- All of the listed services in the above mentioned Infrared Thermography.
- Documentation of variables on all listed pieces of equipment consisting of True RMS (Voltage & Current) and Total Harmonic Distortion % (Voltage & Current).
- Repair of loose connections or minor problems (where safe to do so and with Customer compliance) by tightening and/or torquing.
- Vacuuming and cleaning of equipment (where safe to do so) and only in compliance with customer's safety regulations
- Repair of minor Code Violations.

Reporting

- Hard Copy Report
 1. Documentation of Nameplate Data consisting of all visible information as it pertains to that particular piece of equipment including; breaker type, number of breakers used, fuse type, wire size, amperage, voltage ratings etc.
 2. Documentation of equipment location, manufacturer, model #, and facility nomenclature.
 3. Documentation of problems found inclusive of Problem Description, Problem Resolution, Consequences, and additional Safety Notes.

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4. Documentation of problem by means of infrared photos, digital photos and variables such as True RMS Current, Total Harmonic Distortion (Current), and Voltage Drop across the contacts.
- Electronic Reporting
 1. Interactive registered software that enables one to access all gathered information at the click of a mouse.
 2. The ability to print out multiple Hard Copy reports as needed.
 3. Comments Page that allows user to write comments on any piece of equipment tested.
 4. The ability to Track and Trend all pieces of equipment tested.

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