MOORE'S
ELECTRICAL & MECHANICAL



ELECTRICAL THERMOGRAPHY REPORT

10/05/2026

BUILD. SERVE. IMPACT.

434.369.4372
serviceelectricaloffice@mooreselectric.com
24/7 Emergency Service: **800.789.7199**

Lucas Lambert
Certified Thermographer

Charles Morris
Certified Electrician

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MooresElectric.com
434.369.4374
101 Edgewood Ave.
Altavista, VA 24517

Dear customer,

The following is the formal report for the Electrical Thermography Inspection performed on October 5th, 2026, for your facility.

DIAGNOSTIC EQUIPMENT USED:

FLIR E54 24* Advanced Thermal Imaging Camera

INSPECTION PROCEDURES:

The electrician and thermographer team removed all electrical equipment covers and dead fronts. Infrared images were taken of all electrical terminations, pertinent electrical information was collected (voltage, amperage, panel size, etc.), and a visual inspection was completed.

Inspection report pages contain, for each piece of equipment, a digital image, an infrared image, location of the unit, severity of issue, the temperature of the issue, and recommended corrective action. Please note: if no faults were found in the electrical system, there will be no inspection report pages.

If a critical fault, needing immediate repair to avoid failure, was located, the site contact was immediately notified.

REPAIR CRITERIA EXPLANATION:

Moore's Electrical and Mechanical has developed the following scale for rating fault severity using information gathered from the United States Navy Thermography Guidelines and FLIR/ITC. Temperature ranges are delta to ambient.

0° - 20°F NO ISSUE	21° - 40°F INVESTIGATE 0-3 MONTHS	> 40°F IMMEDIATE NEED

SUMMARY OF FINDINGS:

Through the course of the inspection, Moore's imaged 72 pieces of electrical equipment, generating 143 digital and infrared images. This represents the entirety of the electrical equipment to be inspected, per the customer.

Moore's found 4 issues needing investigation or repairs.

In conclusion, this location's electrical infrastructure is in good operating order. Our visual and thermal inspection found small issues; some were corrected on site, and the others are detailed in the report below.

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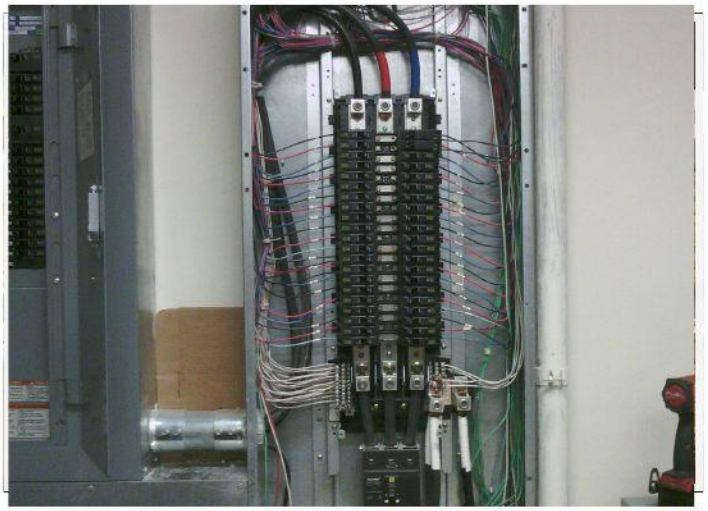
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INFRARED THERMOGRAPHY REPORT

Location: Corporate Building 1st floor

Equipment: Panel L2A





Notes, if needed:

Loose connections found on breakers 2, 4 and 6, 8. Breakers were tightened.

Recommended next steps:

N/A

SEVERITY OF PROBLEM:

- [x] None
- [ ] Mild
- [ ] Moderate
- [ ] Severe

CAMERA INFORMATION

Camera Model	FLIR E6	Range Max.	250.0°C
Lens	FOL7	Range Min.	-20.0°C
Camera Serial	63982642	Field of View	44.98

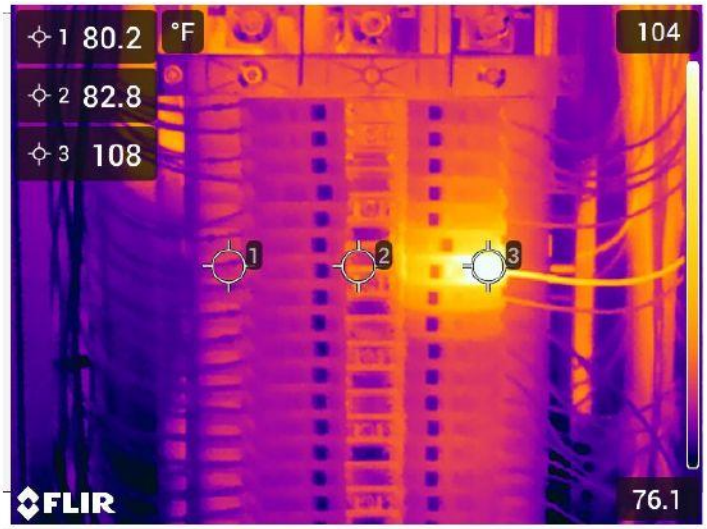
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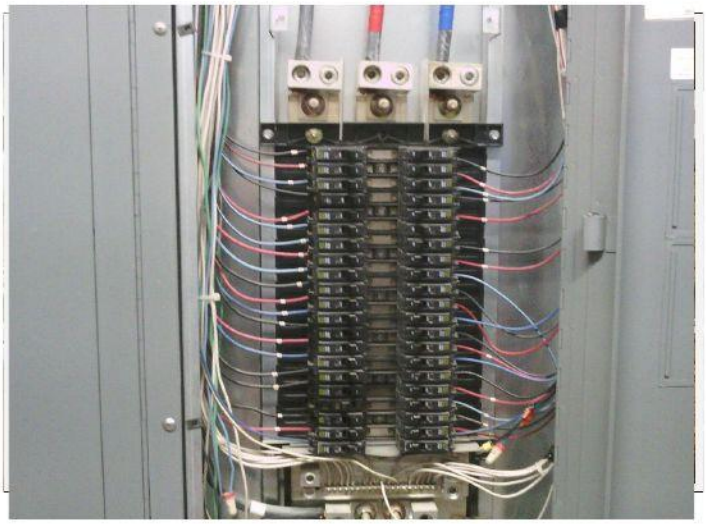
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INFRARED THERMOGRAPHY REPORT

Location: Executive Building Parking Garage

Equipment: Panel R1-2





Notes, if needed:

No loose connections were found. Amperage is within range.

Recommended next steps:

Replace breaker 14.

SEVERITY OF PROBLEM:

- [ ] None
- [x] Mild
- [ ] Moderate
- [ ] Severe

CAMERA INFORMATION

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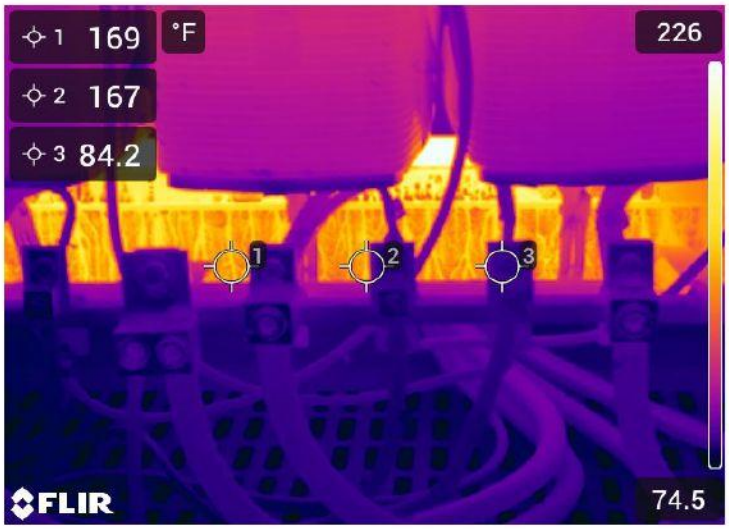
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INFRARED THERMOGRAPHY REPORT

Location: Executive Building Parking Garage

Equipment: 75KVA Transformer





Notes, if needed:

Technician noticed oxidation on the terminals.

Recommended next steps:

Shut down the equipment and clean the terminals.

SEVERITY OF PROBLEM:

- [x] None
- [ ] Mild
- [ ] Moderate
- [ ] Severe

CAMERA INFORMATION

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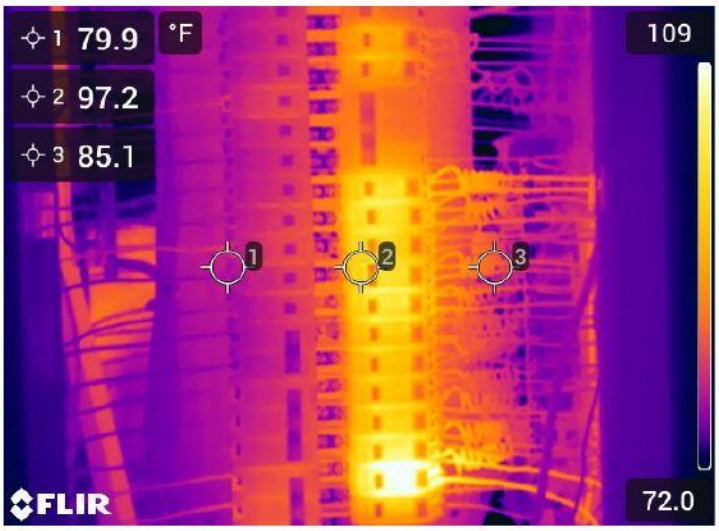
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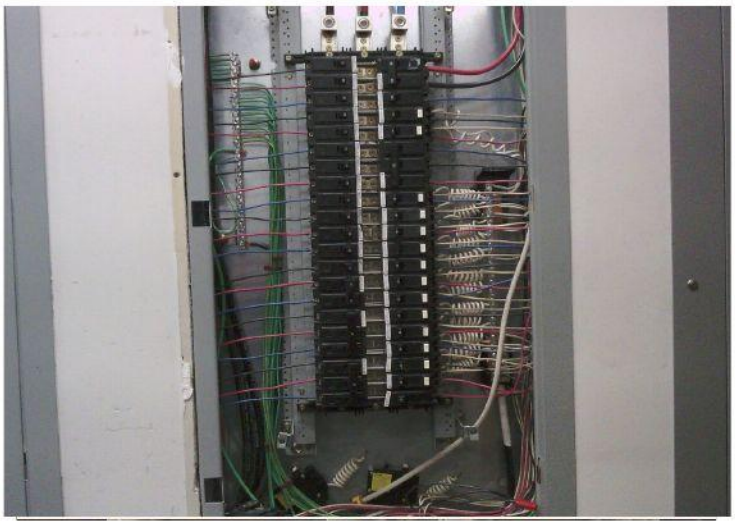
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INFRARED THERMOGRAPHY REPORT

Location: Restaurant Kitchen

Equipment: Panel KPB





Notes, if needed:

Breaker 38 shows a hot spot. Amperage is above normal. Wires are double-landed on the breaker.

Recommended next steps:

Separate the wires and install a tandem breaker to serve both circuits.

SEVERITY OF PROBLEM:

- [ ] None
- [x] Mild
- [ ] Moderate
- [ ] Severe

CAMERA INFORMATION

Camera Model	FLIR E6	Range Max.	250.0°C
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