

# Management Solutions Construction Services, Inc.

2725 S. Budd Rd Lebanon, IN 46052  
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MSCSI@MSCSI.US

Date

*Client Address*

**RE: Thermographic Survey**

**Completion Date:** Date

**MSCSI Invoice #00000**

Mr. Client,

Thank you for allowing Management Solutions Construction Services, Inc (MSCSI) the opportunity to provide Thermographic Surveying at the office located at *Client Address*. We appreciate the opportunity to serve your company.

## Thermographic Survey

**Device used during Survey:** Make/ Model | **Serial number:** xxxxxx

**Certified Infrared Thermographer:** Thermographer Name | Certification level/number

MSCSI was retained for a qualitative Infrared Thermographic Survey of Infrared Scanning of electrical panels, fuses, circuit breakers, disconnects, motor controls, lighting contactors, switch gear and distribution panels (as applicable). In an effort to identify areas of thermal anomalies and to document them for further review and repair. Further investigations of these areas may reveal additional conditions that were not readily visible at time of inspection. We document our findings with infrared thermograms and visual photographs of the areas. Our inspection is designed to comply with accepted industrial standards and this report is for the exclusive use of our client and is not intended for any other purpose.

## Analysis:

During your recent Thermographic Survey, completed on Date there were **areas of temperature anomalies or failures detected**. In the Concluding Section of the report is a list of all areas scanned that require your attention.

## Recommendations:

Please have your maintenance team carefully review the provided report. MSCSI recommends all areas of noted concerns be corrected in a timely manner. The Thermographic Survey should be completed annually as a part of your preventative maintenance schedule to help predict any potential failure, thereby planning well before it becomes urgent. This saves precious production loss and ensures equipment safety.

Respectfully,

Management Solutions Construction Services, Inc.  
Certified Infrared Thermographer



***Client Name***

*Date*

Re: *Client Address*

Management Solutions Construction, Services, Inc. has completed the **Thermographic Survey** of your electrical power distribution system. This report comprises the following documents.

1. **Report Cover Letter**
2. **Thermographic Survey Report Page** for each item scanned.
  - Infrared Image of the item scanned
  - Real Life Picture of the item scanned
  - Data Table with equipment temperature and the difference in temperature.
  - Evaluation of the item scanned.
3. **Concluding Section** of the report is a list of all areas scanned that revealed temperature anomalies or failures.

Respectfully,

Management Solutions Construction Services, Inc.  
*Certified Infrared Thermographer*





## Thermographic Survey

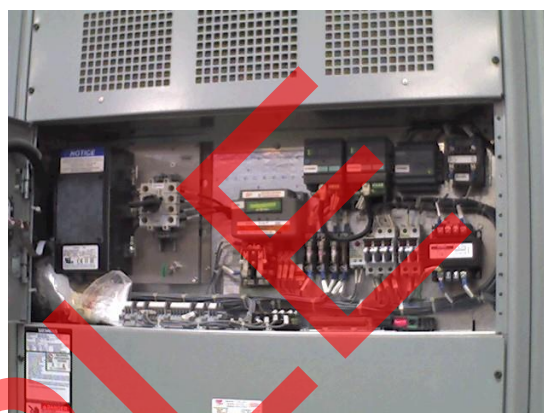
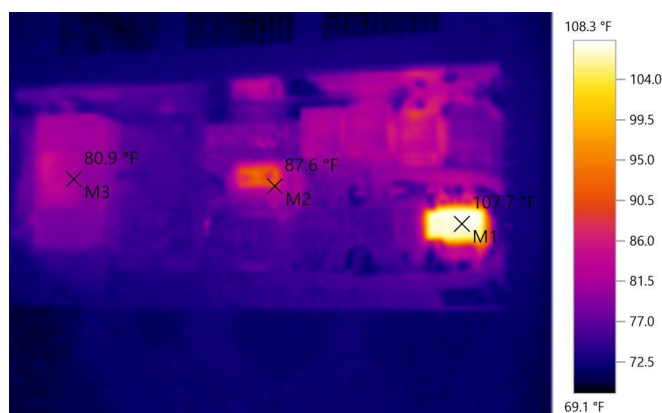
**File:** *File Number*

**Lens type:** *Type*

**Lens Serial no.:** *Serial Number*

**Date:** *Date Performed*

**Time:** *Time Performed*



### Picture parameters:

**Emissivity:** 0.95

**Refl. temp. [°F]:** 68.0

### Picture markings:

Measurement Objects	Temp. [°F]	Emiss.	Refl. temp. [°F]	Remarks
Measure point 1	107.7	0.95	68.0	-
Measure point 2	87.6	0.95	68.0	-
Measure point 3	80.9	0.95	68.0	-

### Remarks:

Each item scanned during the survey is documented with a thermograph, a photograph, descriptions and a data table with equipment temperature and the difference in temperature.



## Thermographic Survey

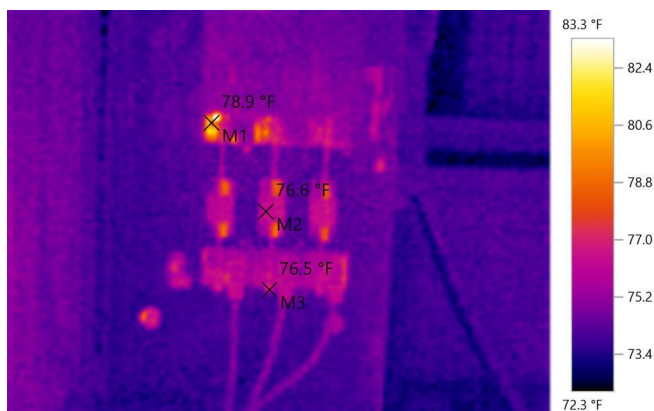
**File:** *File Number*

**Lens Serial no.:** *Serial Number*

**Date:** *Date Performed*

**Lens type:** *Type*

**Time:** *Time Performed*



### Picture parameters:

**Emissivity:** 0.95

**Refl. temp. [°F]:** 68.0

### Picture markings:

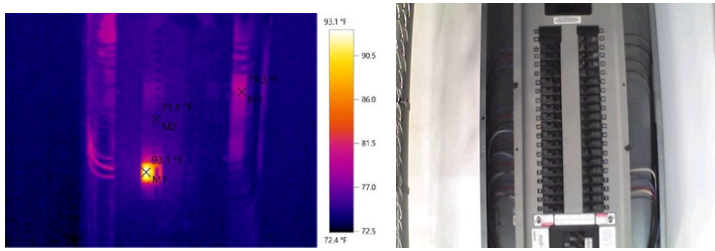
Measurement Objects	Temp. [°F]	Emiss.	Refl. temp. [°F]	Remarks
Measure point 1	78.9	0.95	68.0	-
Measure point 2	76.6	0.95	68.0	-
Measure point 3	76.5	0.95	68.0	-

### Remarks:

Each item scanned during the survey is documented with a thermograph, a photograph, descriptions and a data table with equipment temperature and the difference in temperature.

## Conclusion and Recommended Action

The following are temperature anomalies or failures detected during the Thermographic Survey



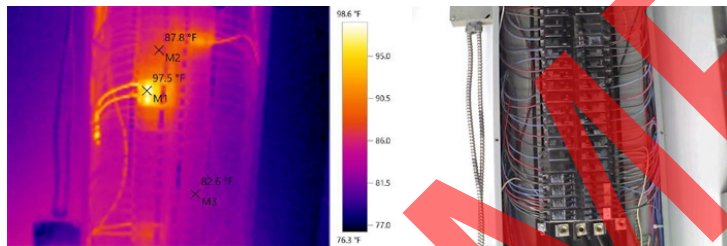
Label / Name / Number:

Image number :

Temperature during scan:

Acceptable temperature range:

Recommended action:



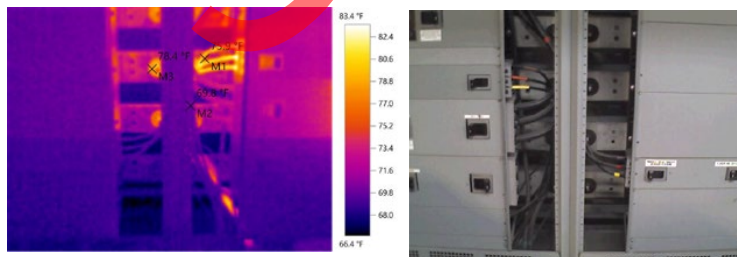
Label / Name / Number:

Image number :

Temperature during scan:

Acceptable temperature range:

Recommended action:



Label / Name / Number:

Image number :

Temperature during scan:

Acceptable temperature range:

Recommended action: