

Infrared Inspection

Infrared Thermography Inspection **Building Recertification** Electrical system operating at 400A or higher



Inspection Details	
Thermographer	Humberto Suarez
Company Name	Evolve Property Inspections
Client	SAMPLE
Inspection Date	August 29th, 2024
Address	00 NW 000th St Miami, Florida
Report Name	Electrical Thermography



II – CERTIFICATION

I hereby warrant that the inspection, which is the subject of this report, was conducted personally by me or by a thoroughly qualified assistant under my direction. I further warrant that this report has been prepared under my personal guidance and has been found by me to be totally accurate and complete to the best of my ability as a certified thermographer.

Humberto Suarez



Certified Thermographer, Level II Infrared Training Center
Certificate No. 140924119



I hereby warrant that I am a Level II Certified Thermographer meeting the experience required, as per the current “Minimum Inspection Procedural Guidelines for Building Electrical Inspections”, revised and approved on November 18, 2021 by the Miami-Dade County Board of Rules and Appeals (BORA).

Humberto Suarez



Certified Thermographer, Level II Infrared Training Center
Certificate No. 140924119

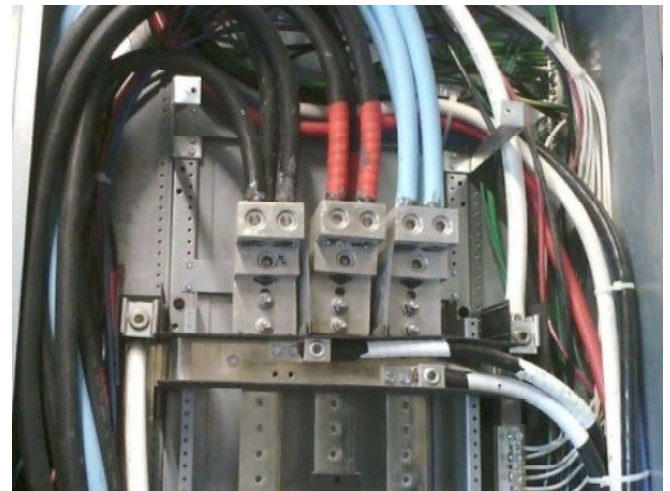
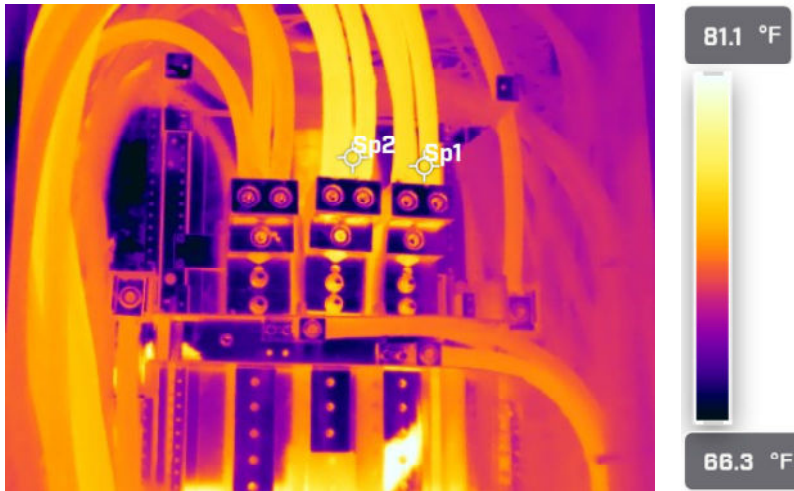


III - INSPECTION EQUIPMENT LIST

DETAILS COLUMN: Y=panels/doors off or open, N=panels/doors on or closed,
 NI = not inspected, OFF=equipment was not in operation

Created	Equipment	Value	Details	Default rating formula	Page number
8/29/2024 9:57:42 AM	MDP Top	76.5 °F	Y	Normal	4
8/29/2024 9:59:03 AM	MDP Middle	83.1 °F	Y	Normal	5
8/29/2024 9:59:40 AM	MDP Bottom	70.6 °F	Y	Normal	6
8/29/2024 10:00:26 AM	Breaker Panel Top	70.7 °F	Y	Normal	7
8/29/2024 10:01:30 AM	Breaker Panel Bottom	69.6 °F	Y	Normal	8
8/29/2024 10:08:33 AM	Breaker Panel	68.7 °F	Y	Normal	9
8/29/2024 10:09:18 AM	Breaker Panel Top	89.4 °F	Y	Normal	10
8/29/2024 10:10:09 AM	Breaker Panel Bottom	78.6 °F	Y	Normal	11
8/29/2024 10:10:54 AM	800AMP Main Fuse Disconnect	78.0 °F	Y	Normal	12
8/29/2024 10:12:06 AM	Timer	71.6 °F	Y	Normal	13
8/29/2024 10:12:52 AM	Timer	70.2 °F	Y	Normal	14
8/29/2024 10:13:32 AM	Grounding Rod	81.4 °F	Y	Normal	15





Measurements

Sp1	76.5 °F
Sp2	76.9 °F
Temp Rise over Ambient	
Sp1-Reference temp.	76.5 °F
Temp Rise over similar	
Sp1-Sp2	-0.4 °F
Emissivity	0.95
Reflected temp.	68.0 °F
Atmospheric temp.	68.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	248.0 °F
Range min.	-4.0 °F
Created	8/29/2024 9:57:42 AM

Text annotations

Floor	1
Location	Electrical Room
Equipment	MDP Top
Item	1
Details	Y
Anomaly	Normal
Recommendation	No action

Severity: **Normal**

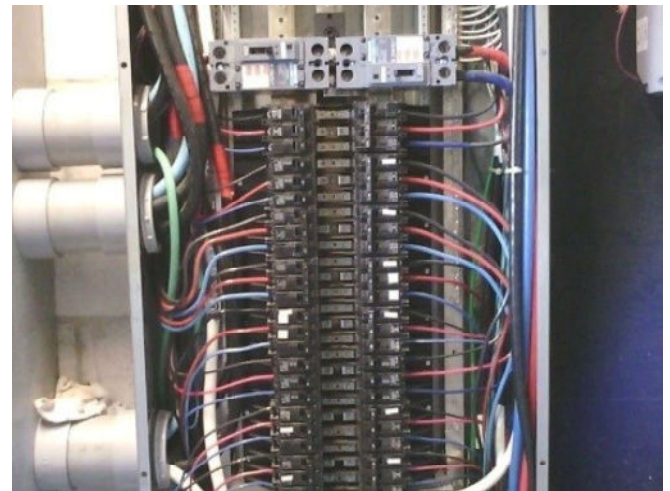
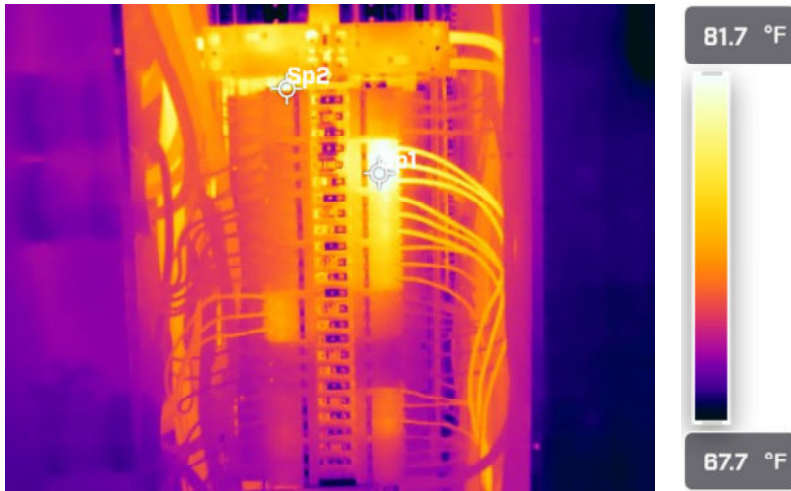
NETA/NFPA70 B Severity Criteria:

Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Comments and Recommendations:

No thermal anomalies or deficiencies found during initial inspection.





Measurements

Sp1	83.1 °F
Sp2	82.2 °F
Temp Rise over Ambient	
Sp1-Reference temp.	83.1 °F
Temp Rise over similar	
Sp1-Sp2	0.9 °F
Emissivity	0.95
Reflected temp.	68.0 °F
Atmospheric temp.	68.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	248.0 °F
Range min.	-4.0 °F
Created	8/29/2024 9:59:03 AM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

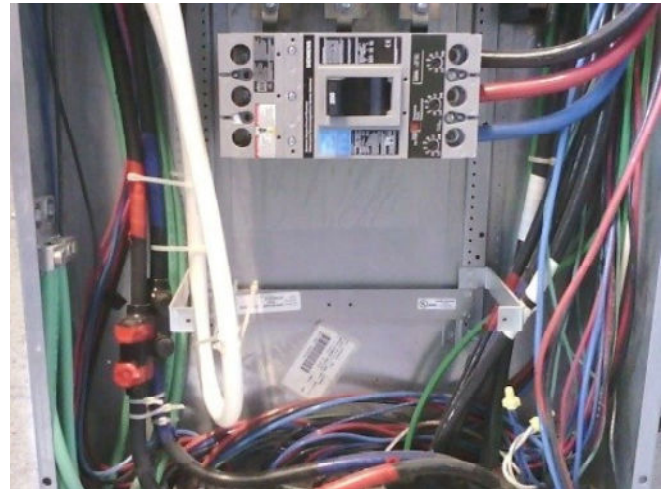
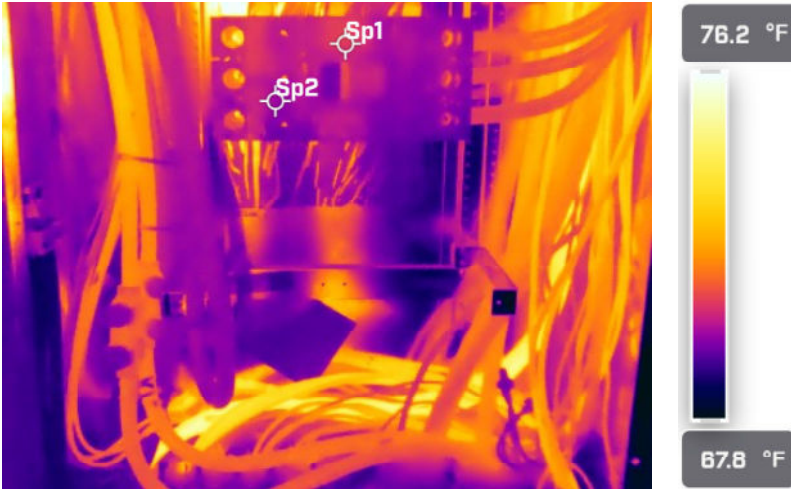
Text annotations

Floor	1
Location	Electrical Room
Equipment	MDP Middle
Item	1
Details	Y
Anomaly	Normal
Recommendation	No action



Comments and Recommendations:

No thermal anomalies or deficiencies found during initial inspection.



Measurements

Sp1	70.6 °F
Sp2	69.9 °F
Temp Rise over Ambient	
Sp1-Reference temp.	70.6 °F
Temp Rise over similar	
Sp1-Sp2	0.8 °F
Emissivity	0.95
Reflected temp.	68.0 °F
Atmospheric temp.	68.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	248.0 °F
Range min.	-4.0 °F
Created	8/29/2024 9:59:40 AM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

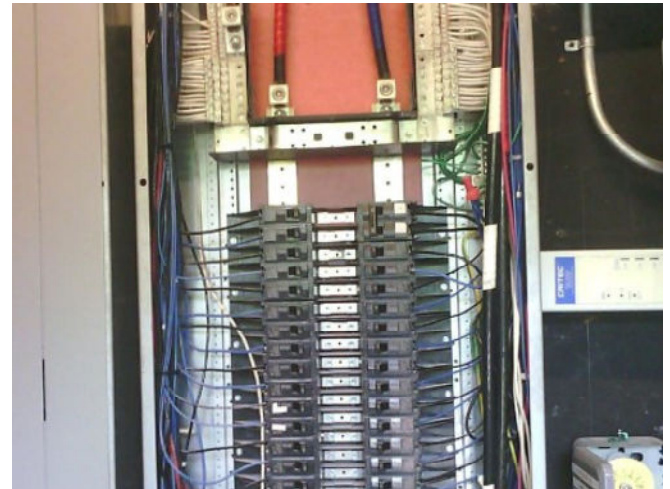
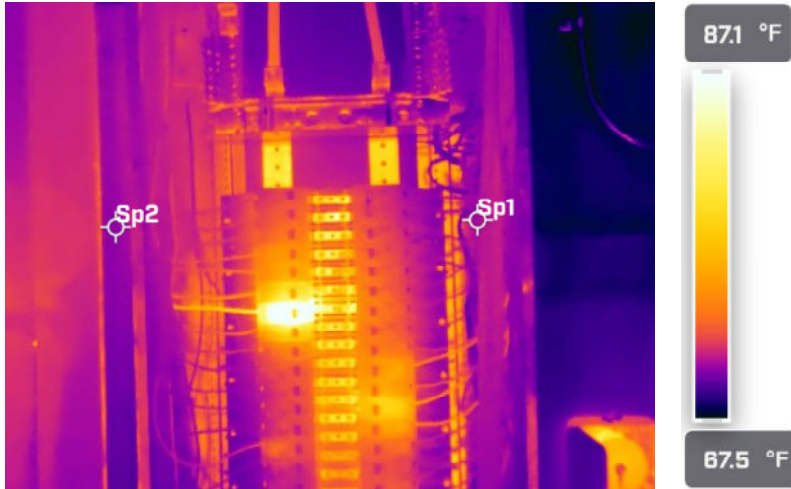
Text annotations

Floor	1
Location	Electrical Room
Equipment	MDP Bottom
Item	1
Details	Y
Anomaly	Normal
Recommendation	No action



Comments and Recommendations:

No thermal anomalies or deficiencies found during initial inspection.



Measurements

Sp1	70.7 °F
Sp2	70.5 °F
Temp Rise over Ambient	
Sp1-Reference temp.	70.7 °F
Temp Rise over similar	
Sp1-Sp2	0.2 °F
Emissivity	0.95
Reflected temp.	68.0 °F
Atmospheric temp.	68.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	248.0 °F
Range min.	-4.0 °F
Created	8/29/2024 10:00:26 AM

Text annotations

Floor	1
Location	Electrical Room
Equipment	Breaker Panel Top
Item	Panel LA
Details	Y
Anomaly	Normal
Recommendation	No action

Severity: **Normal**

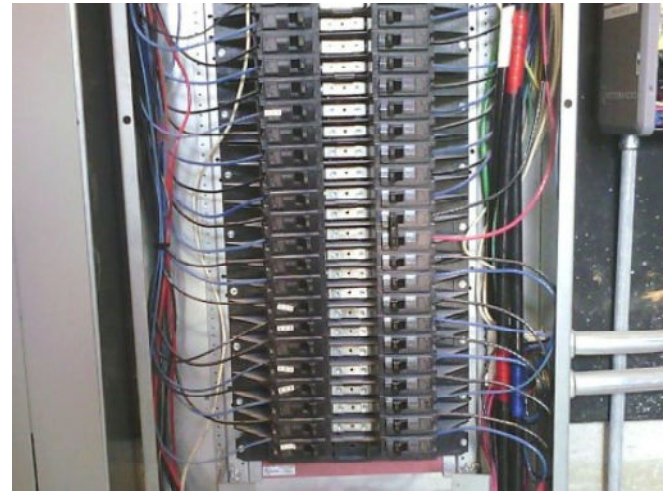
NETA/NFPA70 B Severity Criteria:

Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Comments and Recommendations:

No thermal anomalies or deficiencies found during initial inspection.





Measurements

Sp1	69.6 °F
Sp2	69.6 °F
Temp Rise over Ambient	
Sp1-Reference temp.	69.6 °F
Temp Rise over similar	
Sp1-Sp2	0.0 °F
Emissivity	0.95
Reflected temp.	68.0 °F
Atmospheric temp.	68.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	248.0 °F
Range min.	-4.0 °F
Created	8/29/2024 10:01:30 AM

Text annotations

Floor	1
Location	Electrical Room
Equipment	Breaker Panel Bottom
Item	Panel LA
Details	Y
Anomaly	Normal
Recommendation	No action

Severity: **Normal**

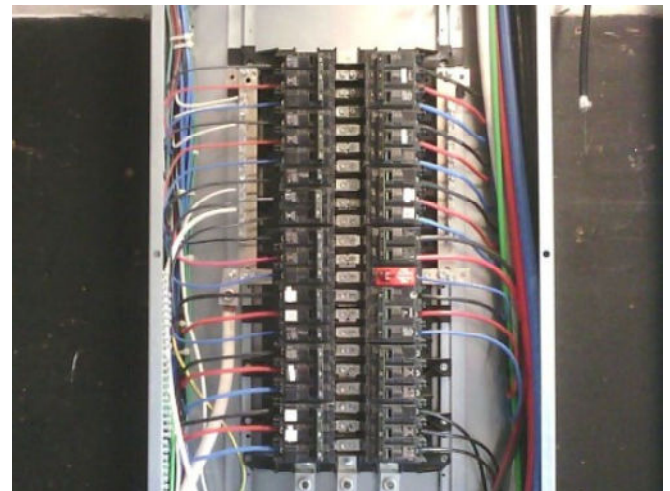
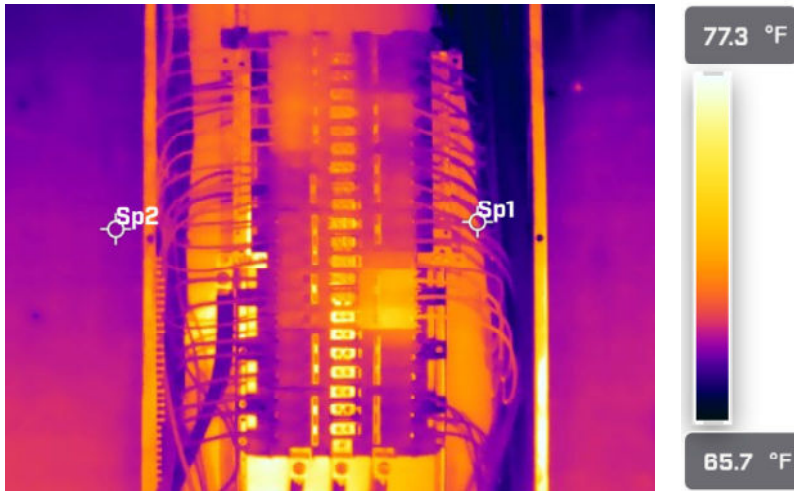
NETA/NFPA70 B Severity Criteria:

Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Comments and Recommendations:

No thermal anomalies or deficiencies found during initial inspection.





Measurements

Sp1	68.7 °F
Sp2	68.2 °F
Temp Rise over Ambient	
Sp1-Reference temp.	68.7 °F
Temp Rise over similar	
Sp1-Sp2	0.5 °F
Emissivity	0.95
Reflected temp.	68.0 °F
Atmospheric temp.	68.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	248.0 °F
Range min.	-4.0 °F
Created	8/29/2024 10:08:33 AM

Text annotations

Floor	1
Location	Electrical Room
Equipment	Breaker Panel
Item	Panel LC
Details	Y
Anomaly	Normal
Recommendation	No action

Severity: **Normal**

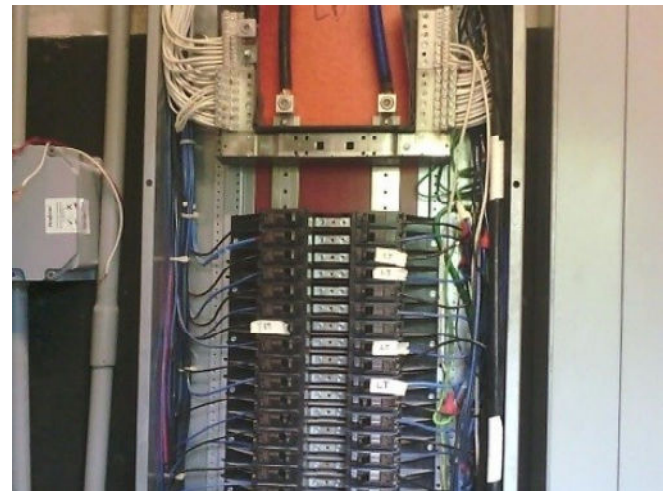
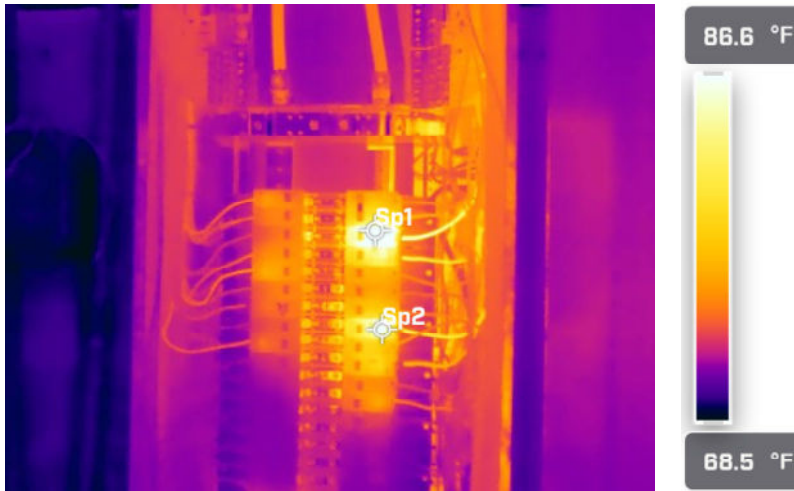
NETA/NFPA70 B Severity Criteria:

Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Comments and Recommendations:

No thermal anomalies or deficiencies found during initial inspection.





Measurements

Sp1	89.4 °F
Sp2	88.8 °F
Temp Rise over Ambient	
Sp1-Reference temp.	89.4 °F
Temp Rise over similar	
Sp1-Sp2	0.6 °F
Emissivity	0.95
Reflected temp.	68.0 °F
Atmospheric temp.	68.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	248.0 °F
Range min.	-4.0 °F
Created	8/29/2024 10:09:18 AM

Text annotations

Floor	1
Location	Electrical Room
Equipment	Breaker Panel Top
Item	Panel LB
Details	Y
Anomaly	Normal
Recommendation	No action

Severity: **Normal**

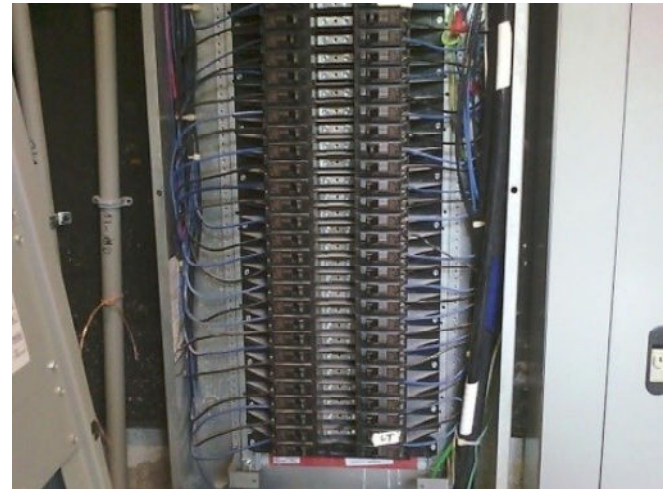
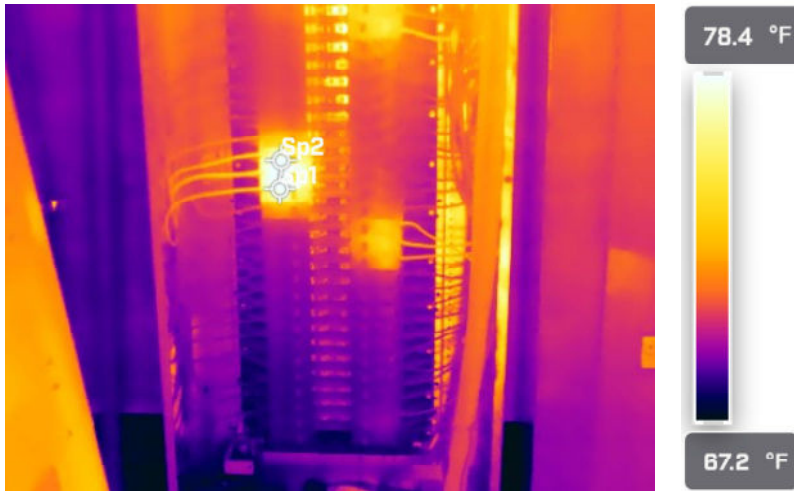
NETA/NFPA70 B Severity Criteria:

Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Comments and Recommendations:

No thermal anomalies or deficiencies found during initial inspection.





Measurements

Sp1	78.6 °F
Sp2	79.0 °F
Temp Rise over Ambient	
Sp1-Reference temp.	78.6 °F
Temp Rise over similar	
Sp1-Sp2	-0.5 °F
Emissivity	0.95
Reflected temp.	68.0 °F
Atmospheric temp.	68.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	248.0 °F
Range min.	-4.0 °F
Created	8/29/2024 10:10:09 AM

Text annotations

Floor	1
Location	Electrical Room
Equipment	Breaker Panel Bottom
Item	Panel LB
Details	Y
Anomaly	Normal
Recommendation	No action

Severity: **Normal**

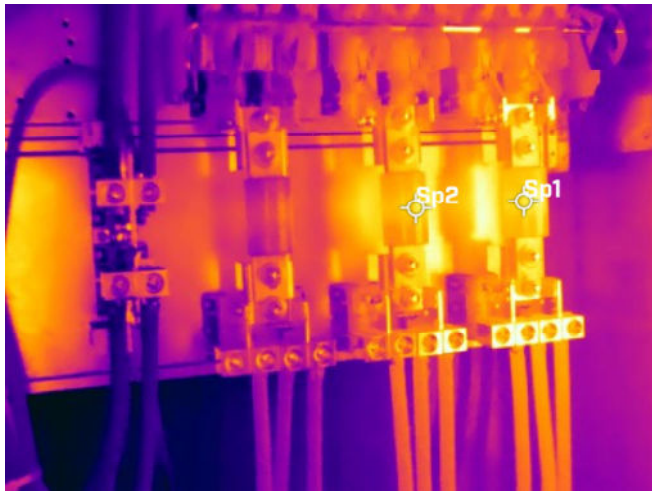
NETA/NFPA70 B Severity Criteria:

Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Comments and Recommendations:

No thermal anomalies or deficiencies found during initial inspection.





Measurements

Sp1	78.0 °F
Sp2	78.1 °F
Temp Rise over Ambient	
Sp1-Reference temp.	78.0 °F
Temp Rise over similar	
Sp1-Sp2	-0.1 °F
Emissivity	0.95
Reflected temp.	68.0 °F
Atmospheric temp.	68.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	248.0 °F
Range min.	-4.0 °F
Created	8/29/2024 10:10:54 AM

Text annotations

Floor	1
Location	Electrical Room
Equipment	800AMP Main Fuse Disconnect
Item	Main 1 of 1
Details	Y
Anomaly	Normal
Recommendation	No action

Severity: **Normal**

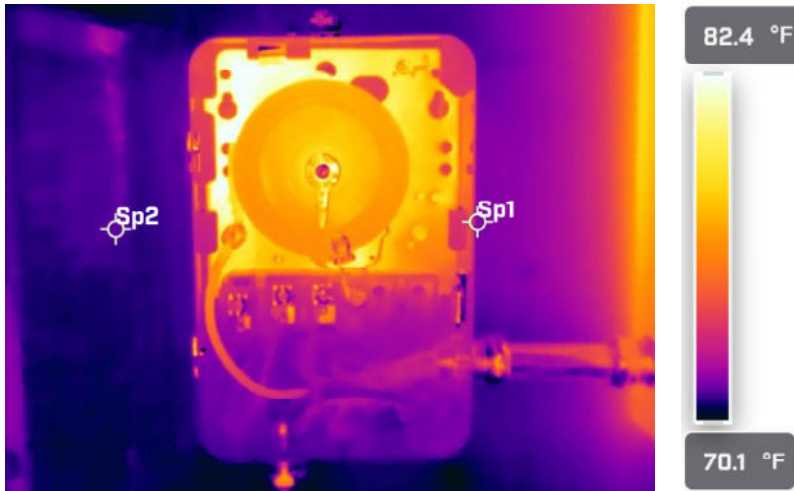
NETA/NFPA70 B Severity Criteria:

Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Comments and Recommendations:

No thermal anomalies or deficiencies found during initial inspection.





Measurements

Sp1	71.6 °F
Sp2	71.1 °F
Temp Rise over Ambient	
Sp1-Reference temp.	71.6 °F
Temp Rise over similar	
Sp1-Sp2	0.4 °F
Emissivity	0.95
Reflected temp.	68.0 °F
Atmospheric temp.	68.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	248.0 °F
Range min.	-4.0 °F
Created	8/29/2024 10:12:06 AM

Text annotations

Floor	1
Location	Electrical Room
Equipment	Timer
Item	Exterior Lights
Details	Y
Anomaly	Normal
Recommendation	No action

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Comments and Recommendations:

No thermal anomalies or deficiencies found during initial inspection.





Measurements

Sp1	70.2 °F
Sp2	69.2 °F
Temp Rise over Ambient	
Sp1-Reference temp.	70.2 °F
Temp Rise over similar	
Sp1-Sp2	1.0 °F
Emissivity	0.95
Reflected temp.	68.0 °F
Atmospheric temp.	68.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	248.0 °F
Range min.	-4.0 °F
Created	8/29/2024 10:12:52 AM

Text annotations

Floor	1
Location	Electrical Room
Equipment	Timer
Item	2
Details	Y
Anomaly	Normal
Recommendation	No action

Severity: **Normal**

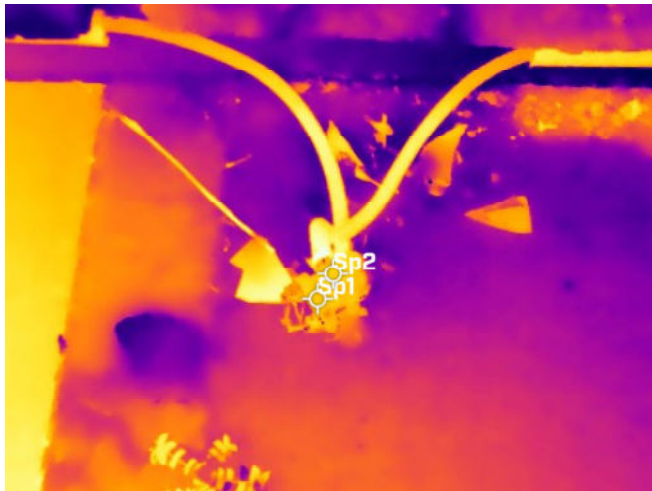
NETA/NFPA70 B Severity Criteria:

Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Comments and Recommendations:

No thermal anomalies or deficiencies found during initial inspection.





Measurements

Sp1	81.4 °F
Sp2	81.6 °F
Temp Rise over Ambient	
Sp1-Reference temp.	81.4 °F
Temp Rise over similar	
Sp1-Sp2	-0.1 °F
Emissivity	0.95
Reflected temp.	68.0 °F
Atmospheric temp.	68.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	248.0 °F
Range min.	-4.0 °F
Created	8/29/2024 10:13:32 AM

Text annotations

Floor	1
Location	Electrical Room
Equipment	Grounding Rod
Item	1
Details	Y
Anomaly	Normal
Recommendation	No action

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Comments and Recommendations:

No thermal anomalies or deficiencies found during initial inspection.

