

Infrared Inspection

Infrared Thermography Inspection 40 Year Recertification

Electrical system operating at 400A or higher



Inspection Details			
Thermographer	Humberto Suarez		
Company Name	Evolve Property Inspections		
Client	Sample		
Inspection Date	03/24/2022		
Address	ess Sample		
Report Name Electrical Thermography			



TABLE OF CONTENTS

I - Introduction to the Report

Explains the purpose of the report and what it contains.

II - Certification

Certification of inspection authenticity and completeness signed by a certified thermographer.

III - Inspection Equipment List

Provides a complete list of all equipment inspected with summary results detailing the equipment inspection status.

IV - Explanation of Problem Documentation

Discusses Section V (Thermographic Documentation & Analysis) and Section VI (Equipment Repair Summary Page) and explains the Repair Priority Guide

V - Thermographic Documentation & Analysis

Contains a full page of documentation for each problem found, including photo and color or B&W the rmogram.

VI - Equipment Repair Summary Form

Includes a form (Equipment Repair Summary Page) to document equipment repair information including the date of repair, the responsible person, and the action(s) taken to resolve the problem.



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.

Hmberto Suarez

Certified Thermographer, Level II Infrared Training Center

Certificate No. 180687



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. 180687



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
3/24/2022 10:02:35 AM	Main switch gear	81.7 °F	Y	Normal	12
3/24/2022 10:06:57 AM	Main switch gear	81.8 °F	Υ	Normal	13
3/24/2022 10:19:27 AM	Main switch gear	87.2 °F	Υ	Normal	14
3/24/2022 10:21:56 AM	Main switch gear	84.2 °F	Υ	Normal	15
3/24/2022 10:23:31 AM	Main switch gear	82.8 °F	Υ	Normal	16
3/24/2022 10:24:45 AM	Main switch gear	83.3 °F	Υ	Normal	17
3/24/2022 10:26:03 AM	Main switch gear	83.1 °F	Υ	Normal	18
3/24/2022 10:29:07 AM	Main switch gear	84.1 °F	Υ	Normal	19
3/24/2022 10:31:03 AM	Light post contactor	83.9 °F	Υ	Normal	20
3/24/2022 10:35:07 AM	light pol timer	86.9 °F	Υ	Normal	21
3/24/2022 10:39:06 AM	Light signs contactor	83.3 °F	Υ	Normal	22
3/24/2022 10:41:29 AM	Signs timer	85.4 °F		Normal	23
3/24/2022 10:43:21 AM	Breaker panel	83.9 °F	Υ	Normal	24
3/24/2022 10:45:45 AM	Breaker panel	86.5 °F	Υ	Normal	25
3/24/2022 10:51:52 AM	Main switch gear	85.1 °F	Υ	Normal	26
3/24/2022 10:53:24 AM	Main switch gear	81.9 °F	Υ	Normal	27



Created	Equipment	Value	Details	Default rating formula	Page number
3/24/2022 10:57:10 AM	light pol timer	82.1 °F	Υ	Normal	28
3/24/2022 10:59:51 AM	Main switch gear	84.3 °F	Υ	Normal	29
3/24/2022 11:04:00 AM	Main switch gear	87.9 °F	Υ	Normal	30
3/24/2022 11:06:25 AM	Main switch gear	81.5 °F	Υ	Normal	31
3/24/2022 11:08:40 AM	2 Main panel breaker	90.2 °F	Υ	Repair next time	32
3/24/2022 11:14:08 AM	Main breaker	84.2 °F	Υ	Normal	33
3/24/2022 11:18:30 AM	Breaker panel	84.0 °F	Υ	Normal	34
3/24/2022 11:29:14 AM	Main switch gear	100.1 °F	Υ	Normal	36
3/24/2022 11:31:01 AM	Main switch gear	85.7 °F	Υ	Normal	37
3/24/2022 11:37:03 AM	Breaker panel	81.9 °F	Υ	Normal	38
3/24/2022 11:43:44 AM	Breaker panel	80.8 °F	Υ	Intermediate	39
3/24/2022 11:47:06 AM	timer	86.2 °F	Υ	Normal	40
3/24/2022 11:56:35 AM	Breaker panel	79.1 °F	Υ	Repair next time	41
3/24/2022 12:06:59 PM	Breaker panel	77.3 °F	Υ	Intermediate	42
3/24/2022 12:15:09 PM	Breaker panel	83.8 °F	Υ	Normal	43
3/24/2022 12:21:12 PM	Main switch gear	86.3 °F	Υ	Normal	44
3/24/2022 12:23:59 PM	Main switch gear	86.9 °F	Υ	Normal	45
3/24/2022 12:31:17 PM	Main switch gear	84.1 °F	Υ	Normal	46
3/24/2022 12:32:41 PM	gutter	81.6 °F	Υ	Normal	47
3/24/2022 12:35:14 PM	gutter	81.9 °F	Υ	Normal	48
3/24/2022 12:47:49 PM	gutter	85.2 °F	Υ	Normal	49
3/24/2022 12:52:26 PM	gutter	86.5 °F	Υ	Normal	50



Created	Equipment	Value	Details	Default rating formula	Page number
3/24/2022 1:01:35 PM	Breaker panel	77.7 °F	Υ	Repair next time	51
3/24/2022 1:06:13 PM	Breaker panel	82.6 °F	Υ	Repair immediately	52
3/24/2022 1:13:34 PM	Breaker panel	78.1 °F	Υ	Normal	53
3/24/2022 1:15:16 PM	timer	77.5 °F	Υ	Normal	54
3/24/2022 1:20:52 PM	Breaker panel	71.9 °F	Υ	Intermediate	55
3/24/2022 1:23:18 PM	timer	69.3 °F	Υ	Normal	56
3/24/2022 1:26:53 PM	Breaker panel	78.2 °F	Υ	Repair next time	57
3/24/2022 1:34:34 PM	Breaker panel	*266.4 °F	Υ	Repair immediately	58
3/24/2022 1:51:20 PM	Breaker panel 1	71.6 °F	Υ	Repair immediately	59
3/24/2022 1:55:48 PM	Breaker panel 2	78.8 °F	Υ	Normal	60
3/24/2022 1:59:08 PM	Breaker panel 3	75.2 °F	Υ	Repair next time	61
3/24/2022 2:05:15 PM	Breaker panel	79.9 °F	Υ	Normal	62
3/24/2022 2:12:54 PM	Breaker panel 1	87.7 °F	Υ	Intermediate	63
3/24/2022 2:14:29 PM	Breaker panel 2	97.0 °F	Υ	Normal	64
3/24/2022 2:03:12 PM	Breaker panel 3	71.0 °F	NI	Intermediate	65



Built In Trend Monitoring

When yearly scans are accomplished, report results allow you to trend monitor your electrical equipment without having to cross reference previous report findings.

If a previous year problem is not repaired it will show up again in the current scan report and its current intensity range indicates a current effective response.

Defining Total Temperature and Ambient Operating Temperature and explanation for their Use

Total Temperature: Total Temperature = Ambient Operating Temperature + Fault temperature

Allows the customer to evaluate possible damage to equipment.

- Leads fail between 90°C/194°F and 110°C/230°
- Phenolic fails around 200°C/392°F
- Transformers and Motor Insulation failure temperature depends on insulation class rating.
- Contacts start to fail around 130ºC/266ºF

Ambient Operating Temperature (AOT*) for Infrared Scanning Purposes: Temperature within a device container (Box or Cabinet) that is not directly affected by faulting component = Normal Equipment Operating Temperature Contained By Box or Cabinet.

Example: If there is no container (e.g. Device mounted to a wall), it is the temperature adjacent to the device not affected by the fault.

Allows you, the customer, to determine if device will operate at intended amperage. Most switchgear is rated to operate at approximately 40°C/104°F (Industrial) to 50°C/122°F (Marine) If AOT is enough above normal rated temperature, either of the following conditions can cause an unanticipated trip.

- 1. An intermittent high load.
- 2. A minor (Green) or intermediate (Yellow) fault.

Report pages with photographs:

- RGBstands for Visible Light Photograph
- IRstands for Infrared Light Thermograph
- *AOT stands for Ambient Operating Temperature

Both black & white and color infrared thermographs are presented to better depict the fault condition.



In addition to the corrective response time frame suggested below and the failure curve located on the previous page, you may want to consider using the military standard responses presented below. Standard for evaluating faults located In Electrical Equipment utilizing Temperature Data obtained with an Infrared Imaging Equipment:

Temperatures rise above Ambient Operating Temperature:

- *10°C/18°F to 24°C/43°F component failure unlikely, but corrective measures required at next scheduled routine maintenance period or as scheduling permits. (Green Label).
- 25°C/45°F to 39°C/70°F component failure probable, unless corrected. (Yellow Label).
- 40°C/72°F to 69°C/124°F component failure almost certain, unless corrected.(Orange Label).
- 70°C/126°F and above component failure imminent. Immediately inform the person responsible for continued operation of equipment. (Red Label).

Note: All Industrial Electric uses a Blue Label to indicate faults that require attention due to either ambient temperature (Ex: Phase Not Operating), faulty equipment elements or unsafe conditions.

* Note: Temperature conditions below 10°C/18°F rise above AOT are not considered significant enough to record and are usually not included in the reports unless the fault temperature is being affected by a cooling medium such as oil or wind.

Fault Correction Recommendation When Our Source Assessment Is Inaccurate:

When a fault is indicated in a connection or component and examination by your electrician does not turn up a loose connection or faulty component where we have indicated, a fault does exist.

The electrician should continue to investigate the next connection or component to be found in the direction that the heat is coming from until a source is located.

Example: If a molded case breaker line side lead connection lug is indicated as a fault source and is found to be secure, but not frozen in place, look for a loose connection or sign of over temp. in the lead holder lug.



IV - EXPLANATION OF PROBLEM DOCUMENTATION

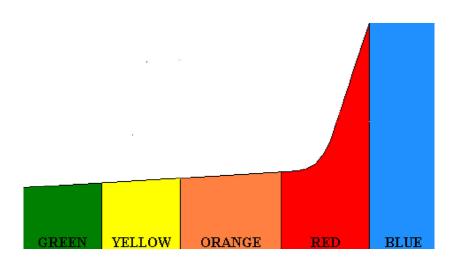
Property owners need to prioritize their repair efforts.

To help them do this, we provide you with a repair priority rating for each problem point identified in this report.

The repair priority rating is an objective measure which is based on the severity of the apparent temperature rise measured by the thermographer (see table below).

These ratings adhere to established industry standards and guidelines.

To determine repair schedules, the ratings should be combined with the judgement of your maintenance personnel as to the importance of each potential problem with regard to personnel safety and the consequences of equipment failure.



Minor	Intermediate	Serious	Critical	
10 °C 18 °F	25 °C 45 °F	40°C 72 °F	70°C 126 °F	AMBIENTTEMP No heat rise
Years	Months	Months to Weeks	Weeks to now	Faulty equipment or not in service



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Measurements

Sp1	81.7 °F
Sp2	81.7 °F
Sp1-Sp2	0.0 °F
Sp1-Reference temp.	81.7 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 10:02:35 AM

Severity: Normal

NETA/NFPA70 B Severity Criteria:

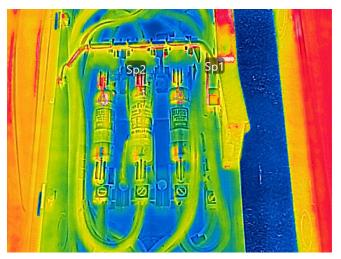
Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Text annotations

Floor	1
Location	Electrical Room
Equipment	Main switch gear
Item	11948 iglesia
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:









Measurements

Sp1	81.8 °F
Sp2	81.7 °F
Sp1-Sp2	0.1 °F
Temp Rise over similar	
Sp1-Reference temp.	81.8 °F
Temp Rise over Ambient	
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 10:06:57 AM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

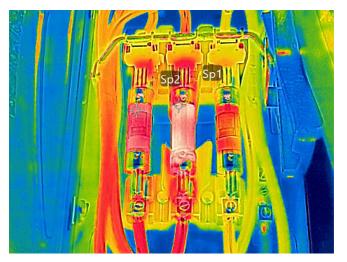
Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Text annotations

Floor	1
Location	Electrical Room
Equipment	Main switch gear
Item	11946 iglesia
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:









Measurements

Sp1	87.2 °F
Sp2	86.6 °F
Sp1-Sp2	0.7 °F
Sp1-Reference temp.	87.2 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 10:19:27 AM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

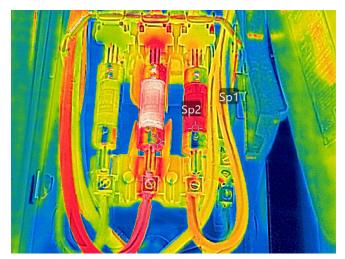
Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Text annotations

Floor	1
Location	Electrical Room
Equipment	Main switch gear
Item	11944
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:









Measurements

Sp1	87.2 °F
Sp2	86.6 °F
Sp1-Sp2	0.7 °F
Sp1-Reference temp.	87.2 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 10:21:56 AM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

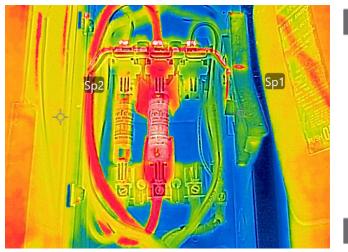
Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Text annotations

Floor	1
Location	Electrical Room
Equipment	Main switch gear
Item	11942
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:









Measurements

Sp1	82.8 °F
Sp2	83.3 °F
Sp1-Sp2	-0.5 °F
Sp1-Reference temp.	82.8 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 10:23:31 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

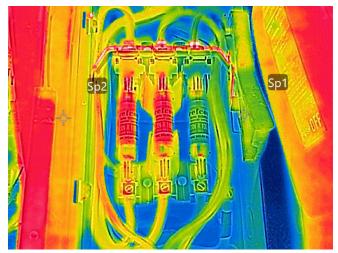
Text annotations

Floor	1
Location	Electrical Room
Equipment	Main switch gear
Item	11940
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:

Missing/damaged Fuses Phase C, Recommend electrical contractor instal new fuses 100 amp









Measurements

Sp1	83.3 °F
Sp2	83.8 °F
Sp1-Sp2	-0.5 °F
Sp1-Reference temp.	83.3 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 10:24:45 AM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

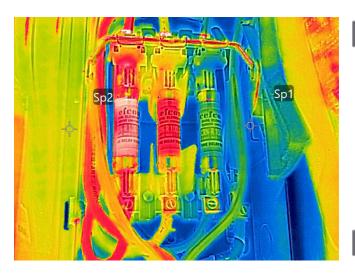
Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

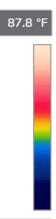
Text annotations

Floor	1
Location	Electrical Room
Equipment	Main switch gear
Item	11938
Details	Υ
Anomaly	Normal
Recommendation	No action
	•

Comments and Recommendatios:









Measurements

Sp1	83.1 °F
Sp2	83.9 °F
Sp1-Sp2	-0.9 °F
Sp1-Reference temp.	83.1 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 10:26:03 AM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

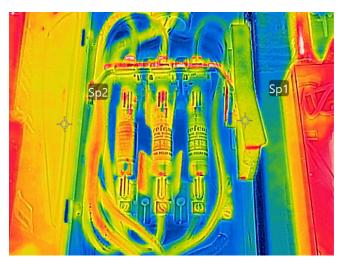
Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Text annotations

Floor	1
Location	Electrical Room
Equipment	Main switch gear
Item	11936
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:









Measurements

Sp1	84.1 °F
Sp2	84.2 °F
Sp1-Sp2	-0.1 °F
Temp Rise over similar	
Sp1-Reference temp.	84.1 °F
Temp Rise over Ambient	
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 10:29:07 AM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

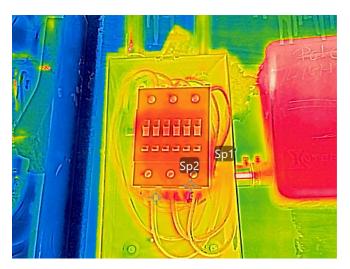
Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Text annotations

Floor	1
Location	Electrical Room
Equipment	Main switch gear
Item	11934
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:









Measurements

Micasarcinicits	
Sp1	83.9 °F
Sp2	83.6 °F
Sp1-Sp2	0.3 °F
Temp Rise over similar	
Sp1-Reference temp.	83.9 °F
Temp Rise over Ambient	
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 10:31:03 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 Location Equipment Item Light post contactor Item Details Anomaly Recommendation 1 Electrical Room Light post contactor Ist Priority Contactor is exposed and in the wrong box		
Equipment Light post contactor Item 1st Details Y Anomaly Priority Recommendation Contactor is exposed and in	Floor	1
Item 1st Details Y Anomaly Priority Recommendation Contactor is exposed and in	Location	Electrical Room
Details Y Anomaly Priority Recommendation Contactor is exposed and in	Equipment	Light post contactor
Anomaly Priority Recommendation Contactor is exposed and in	Item	1st
Recommendation Contactor is exposed and in	Details	Υ
	Anomaly	Priority
	Recommendation	•

Comments and Recommendatios:

Contactor is exposed and in the wrong box, Recommend electrical contractor to replace to proper lighting contactor







Measurements

Sp1	86.9 °F	
Sp2	87.0 °F	
Sp1-Sp2	-0.2 °F	
Sp1-Reference temp.	86.9 °F	
Emissivity	0.90	
Reflected temp.	68.0 °F	
Atmospheric temp.	58.0 °F	

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 10:35:07 AM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

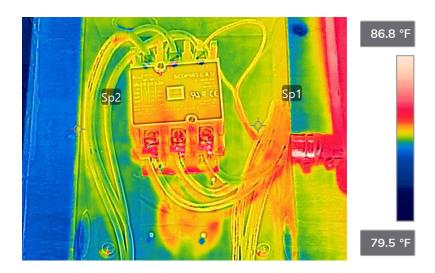
Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Text annotations

Floor	1
Location	Electrical Room
Equipment	light pol timer
Item	Exterior lightning
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:







Measurements

Sp1	83.3 °F
Sp2	83.2 °F
Sp1-Sp2	0.1 °F
Sp1-Reference temp.	83.3 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F
	1

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 10:39:06 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

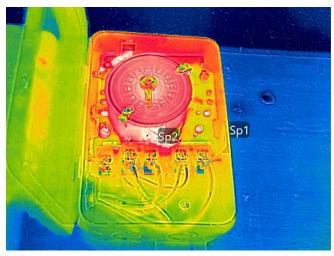
1
Electrical Room
Light signs contactor
Exterior sign
Υ
Normal
No action

Comments and Recommendatios:

No heat rise. Higher temperature is reflected from inspector's body

Knockouts - Missing Knockout seals electrical equipment has exposed energized access, person or object may suffer electrocution if in contact with opening in contactor box, Recommend by code all knockouts should be installed. Please ask your electrican/engineer to evaluate









Measurements

Sp1	85.4 °F
Sp2	85.8 °F
Sp1-Sp2	-0.4 °F
Sp1-Reference temp.	85.4 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 10:41:29 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

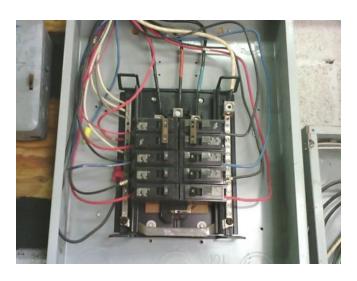
Floor	1
Location	Electrical Room
Equipment	Signs timer
Item	Timer
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:









Measurements

Sp1	83.9 °F
Sp2	84.3 °F
Sp1-Sp2	-0.4 °F
Sp1-Reference temp.	83.9 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 10:43:21 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	Breaker panel
Item	house panle C
Details	Υ
Anomaly	Normal
Recommendation	No action

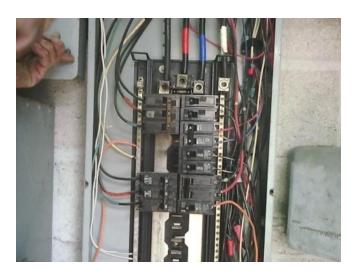
Comments and Recommendatios:

Nutral cable not proper color, Please ask your electrican/engineer to check it









Measurements

Sp1	86.5 °F
Sp2	86.3 °F
Sp1-Sp2	0.2 °F
Temp Rise over similar	
Sp1-Reference temp.	86.5 °F
Temp Rise over Ambient	
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

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

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 10:45:45 AM

Text annotations

Floor	1
Location	Electrical Room
Equipment	Breaker panel
Item	House panel B
Details	Υ
Anomaly	Nutral cable not proper coller
Recommendation	Electrical contractor to repair

Comments and Recommendatios:

Nutral cable not proper color, Please ask your electrican/engineer to check it









Measurements

Sp1	85.1 °F
Sp2	85.5 °F
Sp1-Sp2	-0.4 °F
Sp1-Reference temp.	85.1 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 10:51:52 AM
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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	Main switch gear
Item	11918
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:









Measurements

Sp1	81.9 °F
Sp2	82.1 °F
Sp1-Sp2	-0.2 °F
Sp1-Reference temp.	81.9 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 10:53:24 AM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

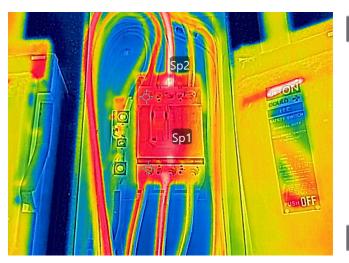
Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Text annotations

Floor	1
Location	Electrical room
Equipment	Main switch gear
Item	11932
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:









Measurements

Sp1	82.1 °F
Sp2	82.6 °F
Sp1-Sp2	-0.5 °F
Sp1-Reference temp.	82.1 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

5
307
F
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022 10:57:10 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

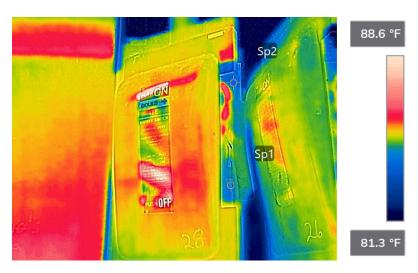
Text annotations

Floor	1
Location	11930
Equipment	light pol timer
Item	Main breaker shut off
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:

Light Poll main breaker shut off installed in location were does not allow to access other main shut off by electrical code need clearnce, Recommend electrical contractor to evaluate







Measurements

Sp1	84.3 °F	
Sp2	83.8 °F	
Sp1-Sp2	0.5 °F	
Sp1-Reference temp.	84.3 °F	
Emissivity	0.90	
Reflected temp.	68.0 °F	
Atmospheric temp.	58.0 °F	

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 10:59:51 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

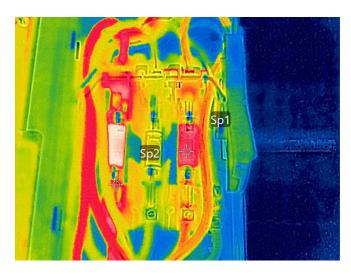
Text annotations

Floor	1
Location	Electrical Room
Equipment	Main switch gear
Item	11928
Details	NI
Anomaly	No Access
Recommendation	Electrican
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Comments and Recommendatios:

No Access main breaker shut off installed in location were does not allow to access other main shut off by electrical code need clearnce, Recommend electrical contractor to evaluate a better location or replacemnt









Measurements

Sp1	87.9 °F
Sp2	87.6 °F
Sp1-Sp2	0.3 °F
Sp1-Reference temp.	87.9 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 11:04:00 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	Main switch gear
Item	11926
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:









Measurements

Sp1	81.5 °F
Sp2	80.8 °F
Sp1-Sp2	0.7 °F
Sp1-Reference temp.	81.5 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 11:06:25 AM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

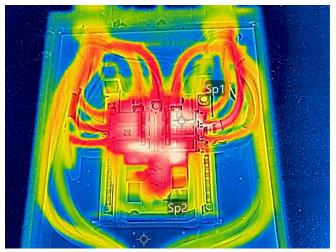
Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Text annotations

Floor	1
Location	Electrical Room
Equipment	Main switch gear
Item	11964
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:









Measurements

Sp1	90.2 °F
Sp2	83.5 °F
Sp1-Sp2	6.7 °F
Sp1-Reference temp.	90.2 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 11:08:40 AM

Severity: Repair next time

NETA/NFPA70 B Severity Criteria:

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

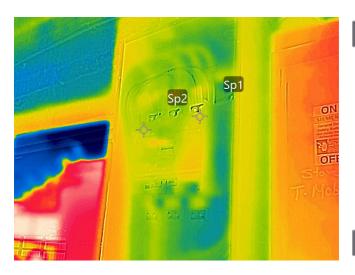
Text annotations

Floor	1
Location	Electrical Room
Equipment	2 Main panel breaker
Item	11920 and 11922
Details	Υ
Anomaly	Priority
Recommendation	Electrical contractor to repair

Comments and Recommendatios:

Installation of 2 main breakers are not properly installed by code, recomend 2 seperate main braker dissconect by a Electrical contractor









Measurements

Sp1	84.2 °F
Sp2	84.0 °F
Sp1-Sp2	0.2 °F
Sp1-Reference temp.	84.2 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

IR E95
DL10
501807
0.0 °F
0.0 °F
24/2022 11:14:08 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

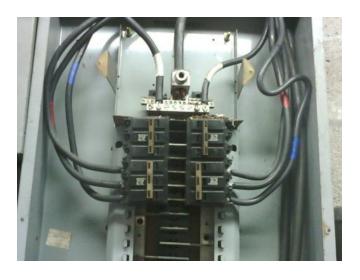
Floor 1
Location Electrical Room
Equipment Main breaker
Item Not in use 11962 11964
Details Y
Anomaly Not in use
Recommendation No action

Comments and Recommendatios:

Not in use







Measurements

Sp1	84.0 °F	
Sp2	84.3 °F	
Sp1-Sp2	-0.2 °F	
Sp1-Reference temp.	84.0 °F	
Emissivity	0.90	
Reflected temp.	68.0 °F	
Atmospheric temp.	58.0 °F	

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 11:18:30 AM
	I .

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	Breaker panel
Item	11950 - 52 54 56
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:

No Ground and one main breaker not in use, Recommend electrical contractor to evaluate and repair





Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 11:21:07 AM

Severity: Normal

NETA/NFPA70 B Severity Criteria:

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

Text annotations

iekt ailiiotations	
Floor	1
Location	Electrical Room
Equipment	Breaker panel
Item	11950 - 52 54 56
Details	Υ
Anomaly	Missing knockout
Recommendation	Electrical contractor to repair

Comments and Recommendatios:

No heat rise. Higher temperature is reflected from inspector's body

Knockouts - Missing Knockout seals electrical equipment has exposed energized access, person or object may suffer electrocution if in contact with opening in contactor box, Recommend by code all knockouts should be installed. Please ask your electrican/engineer to evaluate









Measurements

Sp1	100.1 °F
Sp2	99.8 °F
Sp1-Sp2	0.2 °F
Sp1-Reference temp.	100.1 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 11:29:14 AM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

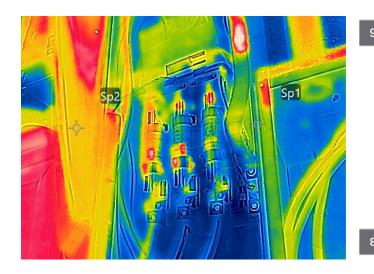
Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Text annotations

Floor	1
Location	Electrical Room
Equipment	Main switch gear
Item	Tmobil
Details	Υ
Anomaly	Normal
Recommendation	No action
	•

Comments and Recommendatios:







Measurements

Sp1	85.7 °F
Sp2	86.5 °F
Sp1-Sp2	-0.9 °F
Sp1-Reference temp.	85.7 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

FLIR E95
FOL10
78501807
120.0 °F
-20.0 °F
3/24/2022 11:31:01 AM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

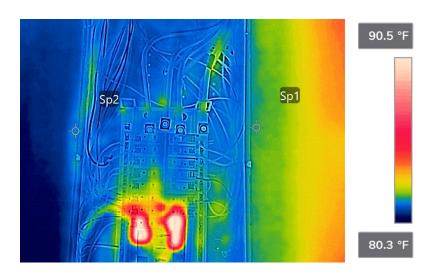
Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

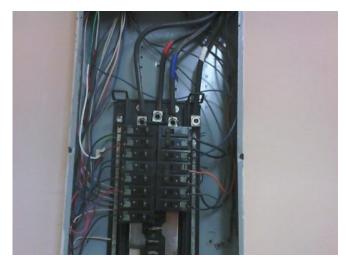
Text annotations

Floor	1
Location	Electrical Room
Equipment	Main switch gear
Item	11958
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:







Measurements

Sp1	81.9 °F
Sp2	81.5 °F
Sp1-Sp2	0.3 °F
Sp1-Reference temp.	81.9 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 11:37:03 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

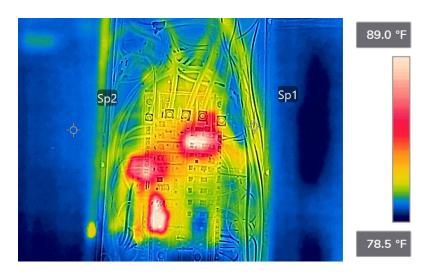
Text annotations

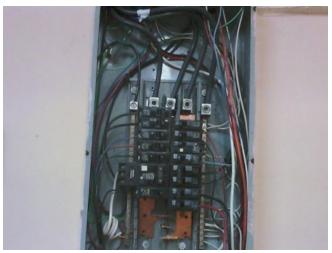
Floor	1
Location	Church
Equipment	Breaker panel
Item	11946 iglesia
Details	Υ
Anomaly	Normal
Recommendation	Grounding issues

Comments and Recommendatios:

Grounding Issues, Recommend installing proper grounding bars by a lisence electrican







Measurements

Weasurements	
Sp1	80.8 °F
Sp2	79.4 °F
Sp1-Sp2	1.4 °F
Sp1-Reference temp.	80.8 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	58.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 11:43:44 AM

Severity: **Intermediate**

NETA/NFPA70 B Severity Criteria:

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

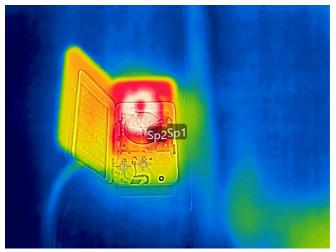
Text annotations

Floor	1
Location	Church
Equipment	Breaker panel
Item	11948 iglesia
Details	Υ
Anomaly	missing groun
Recommendation	Electrical contractor to repair

Comments and Recommendatios:

Grounding Issues, Recommend installing proper grounding bars by a lisence electrican









Measurements

86.2 °F
85.8 °F
0.4 °F
86.2 °F
0.90
68.0 °F
58.0 °F
0.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 11:47:06 AM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

	<u>-</u>
Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

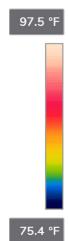
Text annotations

Floor	1
Location	Church
Equipment	timer
Item	11946 iglesia
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:









Measurements

Sp1	79.1 °F	
Sp2	85.0 °F	
Sp1-Sp2	-5.9 °F	
Sp1-Reference temp.	79.1 °F	
Emissivity	0.90	
Reflected temp.	68.0 °F	
Atmospheric temp.	67.0 °F	
	I .	

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 11:56:35 AM

Severity: Repair next time

NETA/NFPA70 B Severity Criteria:

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

Text annotations

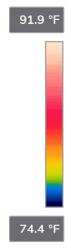
Floor	1
Location	Church
Equipment	Breaker panel
Item	11950 CHURCH
Details	Υ
Anomaly	Priority
Recommendation	Ground issues a d brakers recommend contractor

Comments and Recommendatios:

Grounding Issues and deffrent breakers, Recommend installing proper grounding bars and proper breakers by a lisence electrican









Measurements

Sp1	77.3 °F
Sp2	75.5 °F
Sp1-Sp2	1.9 °F
Sp1-Reference temp.	77.3 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	67.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 12:06:59 PM

Severity: **Intermediate**

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	11940 karati
Equipment	Breaker panel
Item	11940
Details	Y
Anomaly	Priority
Recommendation	Doble tapping wrong breakers no ground missing a phase

Comments and Recommendatios:

Doble tapping, wrong breakers no ground and missing C Phase, Recommend lisence electrican to repair









Measurements

Sp1	83.8 °F
Sp2	84.2 °F
Sp1-Sp2	-0.4 °F
Sp1-Reference temp.	83.8 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	67.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 12:15:09 PM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

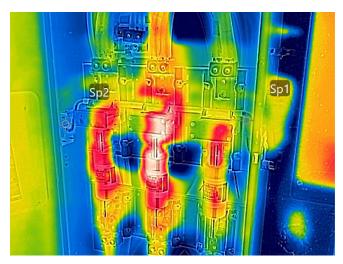
Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

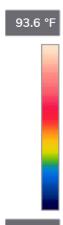
Text annotations

Floor	1
Location	11938 karati
Equipment	Breaker panel
Item	11938
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:









Measurements

Sp1	86.3 °F
Sp2	85.8 °F
Sp1-Sp2	0.5 °F
Sp1-Reference temp.	86.3 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 12:21:12 PM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

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

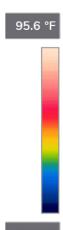
Text annotations

Floor	1
Location	Electrical Room
Equipment	Main switch gear
Item	Main shut 2 of 3
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:









Measurements

Sp1	86.9 °F
Sp2	87.6 °F
Sp1-Sp2	-0.7 °F
Sp1-Reference temp.	86.9 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 12:23:59 PM

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	Main switch gear
Item	1of3 main
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:









Measurements

Sp1	84.1 °F
Sp2	83.8 °F
Sp1-Sp2	0.3 °F
Sp1-Reference temp.	84.1 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 12:31:17 PM

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	Main switch gear
Item	Main shut off 3
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:







Measurements

Sp1	81.6 °F
Sp2	80.8 °F
Sp1-Sp2	0.7 °F
Sp1-Reference temp.	81.6 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 12:32:41 PM

Severity: Normal

NETA/NFPA70 B Severity Criteria:

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

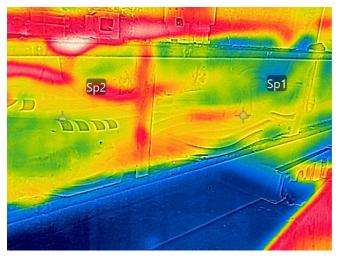
Text annotations

Floor	1
Location	Electrical Room
Equipment	gutter
Item	
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:

No heat rise. Higher temperature is reflected from inspector's body









Measurements

Sp1	81.9 °F
Sp2	81.4 °F
Sp1-Sp2	0.5 °F
Sp1-Reference temp.	81.9 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 12:35:14 PM
	I .

Severity: Normal

NETA/NFPA70 B Severity Criteria:

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

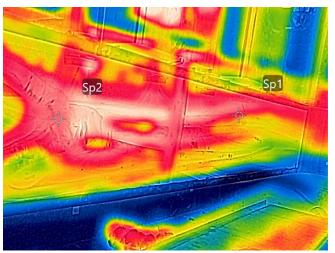
Text annotations

Floor	1
Location	Electrical Room
Equipment	gutter
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:

No heat rise. Higher temperature is reflected from inspector's body









Measurements

Sp1	85.2 °F
Sp2	86.1 °F
Sp1-Sp2	-0.9 °F
Sp1-Reference temp.	85.2 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 12:47:49 PM

Severity: Normal

NETA/NFPA70 B Severity Criteria:

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

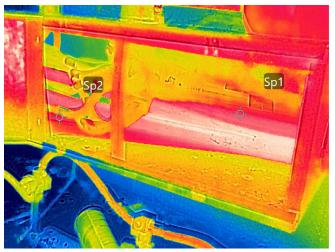
Text annotations

Floor	1
Location	Electrical Room
Equipment	gutter
Item	
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:

No heat rise. Higher temperature is reflected from inspector's body









Measurements

Sp1	86.5 °F
Sp2	86.2 °F
Sp1-Sp2	0.3 °F
Temp Rise over similar	
Sp1-Reference temp.	86.5 °F
Temp Rise over Ambient	
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 12:52:26 PM

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	gutter
Item	
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:

No heat rise. Higher temperature is reflected from inspector's body







Measurements

Sp1	77.7 °F
Sp2	85.3 °F
Sp1-Sp2	-7.6 °F
Sp1-Reference temp.	77.7 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 1:01:35 PM

Severity: Repair next time

NETA/NFPA70 B Severity Criteria:

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

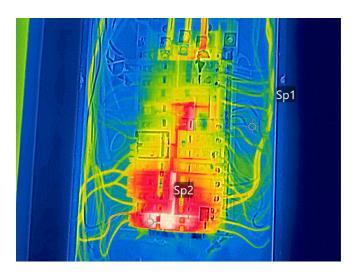
Text annotations

Floor	1
Location	11934
Equipment	Breaker panel
Details	Υ
Anomaly	Priority
Recommendation	Doble tapping Breakers

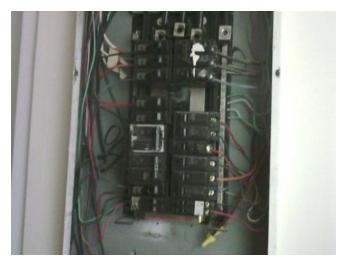
Comments and Recommendatios:

Doble tapping Breakers, Recommend lisence electrican to repair









Measurements

Sp1	82.6 °F
Sp2	105.6 °F
Sp1-Sp2	-23.0 °F
Sp1-Reference temp.	82.6 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 1:06:13 PM

Severity: **Repair immediately**

NETA/NFPA70 B Severity Criteria:

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

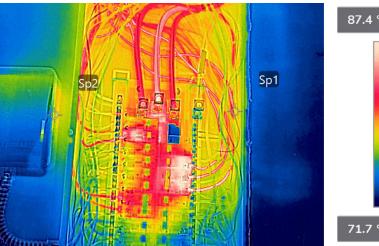
Text annotations

Floor	1
Location	11936
Equipment	Breaker panel
Item	
Details	Υ
Anomaly	Priority
Recommendation	Doble tapping Breaker Ground and missing breaker cover

Comments and Recommendatios:

Doble tapping Breaker Ground issues and missing breaker cover, Recommend lisence electrican to repair









Measurements

Sp1	78.1 °F
Sp2	78.0 °F
Sp1-Sp2	0.1 °F
Sp1-Reference temp.	78.1 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 1:13:34 PM

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	11942
Equipment	Breaker panel
Item	
Details	Υ
Anomaly	Priority
Recommendation	Ground issues recommend contractor

Comments and Recommendatios:

Grounding Issues, Recommend installing proper grounding bars by a lisence electrican









Measurements

Sp1	77.5 °F
Sp2	77.9 °F
Sp1-Sp2	-0.4 °F
Sp1-Reference temp.	77.5 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 1:15:16 PM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

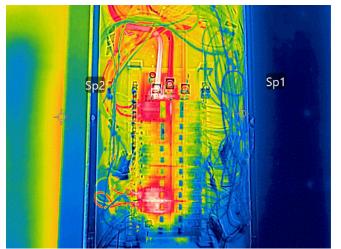
Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

Text annotations

Floor	1
Location	11942
Equipment	timer
Item	
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:









Measurements

Sp1	71.9 °F	
Sp2	75.8 °F	
Sp1-Sp2	-3.8 °F	
Sp1-Reference temp.	71.9 °F	
Emissivity	0.90	
Reflected temp.	68.0 °F	
Atmospheric temp.	79.0 °F	

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 1:20:52 PM

Severity: Intermediate

NETA/NFPA70 B Severity Criteria:

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

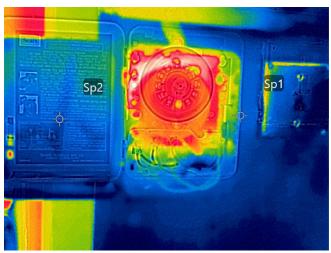
Text annotations

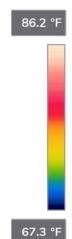
Floor	1
Location	11944
Equipment	Breaker panel
Item	
Details	Υ
Anomaly	Priority
Recommendation	Doble tapping Breaker And grounding

Comments and Recommendatios:

Double tapping Breaker And grounding issues, Recommend lisence electrican to repair









Measurements

Sp1	69.3 °F
Sp2	68.7 °F
Sp1-Sp2	0.6 °F
Temp Rise over similar	
Sp1-Reference temp.	69.3 °F
Temp Rise over Ambient	
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 1:23:18 PM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

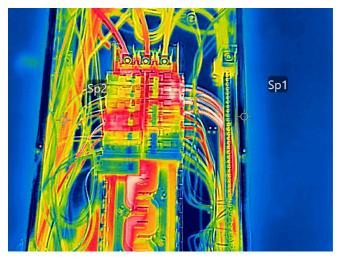
Normal	0 to 1
Intermediate	1 to 4
Repair next time	4 to 15
Repair immediately	>15

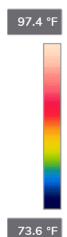
Text annotations

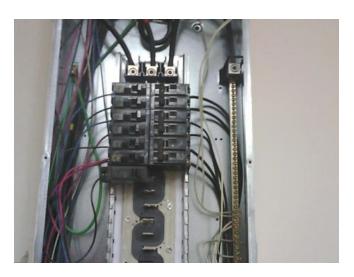
Floor	1
Location	11944
Equipment	timer
Item	
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:









Measurements

Sp1	78.2 °F
Sp2	85.8 °F
Temp Rise over similar	
Sp1-Sp2	-7.6 °F
Temp Rise over Ambient	
Sp1-Reference temp.	78.2 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F
Reference temp.	0.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 1:26:53 PM

Severity: Repair next time

NETA/NFPA70 B Severity Criteria:

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

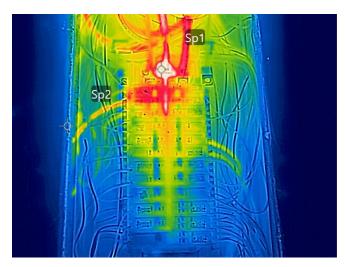
Text annotations

Floor	1
Location	11958
Equipment	Breaker panel
Item	
Details	Υ
Anomaly	Priority
Recommendation	Double tapping grounding recommend contractor

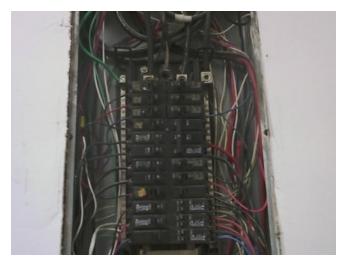
Comments and Recommendatios:

Double tapping and grounding issues recommend electrical contractor









Measurements

Wicdsdreinens	
Sp1	>266.4 °F
Sp2	92.3 °F
Sp1-Sp2	*174.1 °F
Sp1-Reference temp.	*266.4 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 1:34:34 PM

Severity: **Repair immediately**

NETA/NFPA70 B Severity Criteria:

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

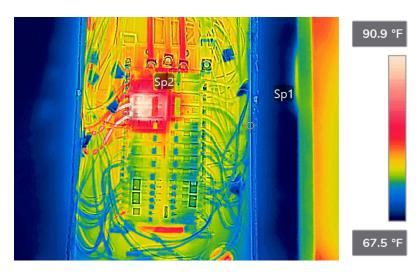
Text annotations

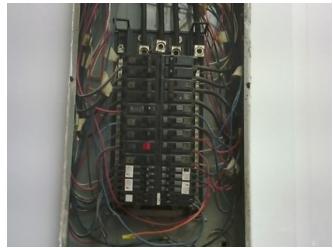
Floor	1
Location	11960
Equipment	Breaker panel
Item	
Details	Υ
Anomaly	Priority
Recommendation	Fire hazardous 1phase burnt

Comments and Recommendatios:

Fire hazardous 1 phase burnt, Recommend repacement of breaker panel and breakers







Measurements

Sp1	71.6 °F
Sp2	94.6 °F
Sp1-Sp2	-23.0 °F
Sp1-Reference temp.	71.6 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 1:51:20 PM

Severity: **Repair immediately**

NETA/NFPA70 B Severity Criteria:

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

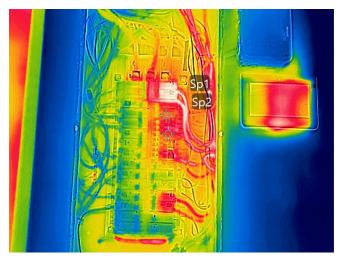
Text annotations

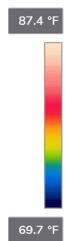
Floor	1
Location	11930
Equipment	Breaker panel 1
Item	
Details	Υ
Anomaly	Priority
Recommendation	Doble tapping Breaker And grounding

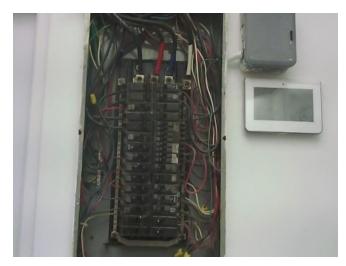
Comments and Recommendatios:

Doble tapping Breaker And grounding issues, Recommend electrical contractor









Measurements

Sp1	78.8 °F
Sp2	79.6 °F
Sp1-Sp2	-0.8 °F
Sp1-Reference temp.	78.8 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F

Camera information

E95
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0 °F
)°F
/2022 1:55:48 PM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

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

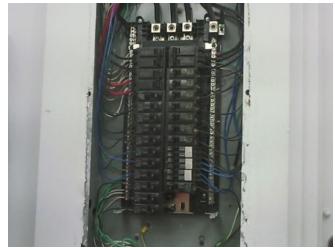
Text annotations

Floor	1
Location	11930
Equipment	Breaker panel 2
Item	
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:







Measurements

Sp1	75.2 °F
Sp2	70.1 °F
Sp1-Sp2	5.1 °F
Sp1-Reference temp.	75.2 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F
	I

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 1:59:08 PM

Severity: Repair next time

NETA/NFPA70 B Severity Criteria:

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

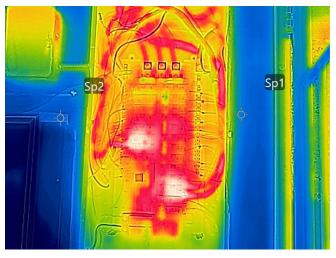
Text annotations

Floor	1
Location	11930
Equipment	Breaker panel 3
Item	
Details	Υ
Anomaly	Priority
Recommendation	Grounding issues

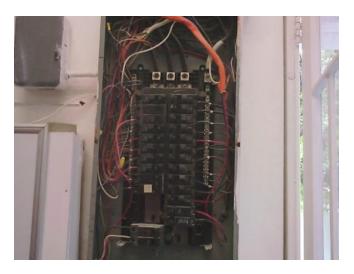
Comments and Recommendatios:

Grounding Issues, Recommend installing proper grounding bars by a lisence electrican









Measurements

Sp1	79.9 °F
Sp2	79.3 °F
Sp1-Sp2	0.5 °F
Sp1-Reference temp.	79.9 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 2:05:15 PM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

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

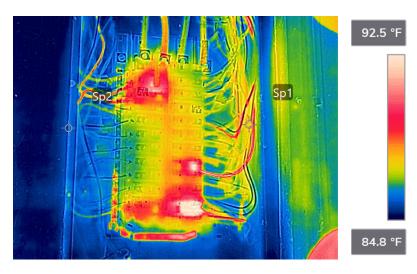
Text annotations

Floor	1
Location	11924
Equipment	Breaker panel
Item	
Details	Υ
Anomaly	Priority
Recommendation	Grounding issues Romex connector missing

Comments and Recommendatios:

Grounding Issues Romex connetor missing, Recommend installing proper grounding bars by a lisence electrican and connectors







Measurements

Sp1	87.7 °F
Sp2	85.7 °F
Temp Rise over similar	
Sp1-Sp2	1.9 °F
Temp Rise over Ambient	
Sp1-Reference temp.	87.7 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F
Reference temp.	0.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 2:12:54 PM

Severity: Intermediate

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	11920
Equipment	Breaker panel 1
Item	
Details	Υ
Anomaly	Priority
Recommendation	Grounding issues

Comments and Recommendatios:

Grounding issues, Recommend electrical contractor installing propely ground bar









Measurements

Sp1	97.0 °F	
Sp2	96.3 °F	
Sp1-Sp2	0.8 °F	
Sp1-Reference temp.	97.0 °F	
Emissivity	0.90	
Reflected temp.	68.0 °F	
Atmospheric temp.	79.0 °F	

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 2:14:29 PM

Severity: **Normal**

NETA/NFPA70 B Severity Criteria:

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

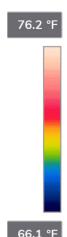
Text annotations

Floor	1
Location	11920
Equipment	Breaker panel 2
Details	Υ
Anomaly	Normal
Recommendation	No action

Comments and Recommendatios:









Measurements

Sp1	71.0 °F
Sp2	69.7 °F
Sp1-Sp2	1.3 °F
Sp1-Reference temp.	71.0 °F
Emissivity	0.90
Reflected temp.	68.0 °F
Atmospheric temp.	79.0 °F
Reference temp.	0.0 °F

Camera information

Camera model	FLIR E95
Lens	FOL10
Camera serial	78501807
Range max.	120.0 °F
Range min.	-20.0 °F
Created	3/24/2022 2:03:12 PM

Severity: **Intermediate**

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	11929
Equipment	Breaker panel 3
Details	NI
Anomaly	Priority
Recommendation	Panel not available for open

Comments and Recommendatios:

No access to panel wall blocking, Recommend contracror to evaluate for proper access