



# Electrical Infrared Report

Client/Site: ABC Facility

Address: 1234 Any Street, Any Province.

Date: June 26, 2025

Thermographer: Charles Adams Level III #14799

Report Author: Charles Adams Level III #14799

Thermographer Information	
Thermographer	Charles Adams
Thermographer Certification Level	Level III #14799

Equipment Information	
Camera Model	T560
Camera Serial Number	89003587
Clamp Meter Model	Clamp meter
Clamp Meter Serial Number	Clamp merter S/N



## Introduction/Overview

This thermography report displays the temperature measurements required under NFPA70B 2023.

As per NFPA70B, Section 7.4.1, two types of temperature difference measurements must be measured and documented:

1. Calculating the temperature difference of similar components under similar loading.

The provides the result: [Box 1 Maximum Temperature] – [Spot 1 Temperature]

2. Comparing the temperature between the electrical components and ambient air temperatures, also known as Atmospheric Temperature.

The report provides the result: [Box 1 Maximum Temperature] – [Atmospheric Temperature].

Per NFPA70B, Section 7.4.5, *"Where normal circuit loading is not feasible, circuit loading of not less than 40% of nominal circuit loading SHALL be permitted"*. The report compares the lowest load Amperage reading from Phases 1,2, or 3 (required under NFPA70B) and compares the value to the recorded "Rated Load" for that device.

Three Condition states are stated and are based on the "Product" (component), its use and when it was last assessed. The next scheduled scan is based on the Condition. For thermographic scanning here is the required schedule:

Condition 1 & 2 - 12 months

Condition 3 - 6 months.

## Report Summary

Product	Equipment	Condition	Page number
Production Area	molder disconnect panel	2	4

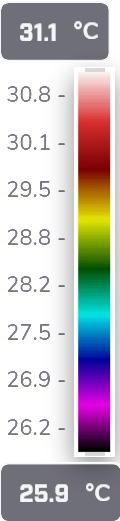
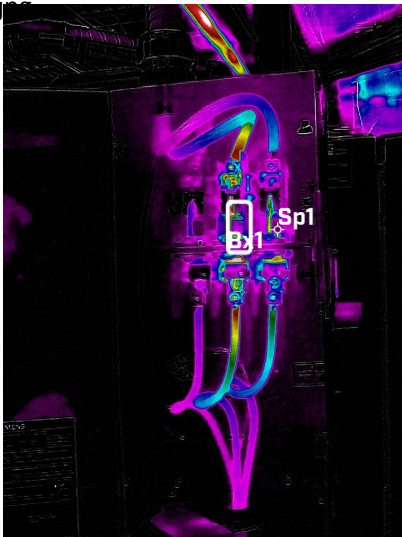


Image Parameters

Emissivity	0.95
Distance	0.85 m
Reflected temp.	19.0 °C
Air Temperature	20.0 °C
Relative humidity	61.0%
Ext. optics temp.	20.0 °C
Ext. optics trans.	1.00

Clamp Meter Readings (Amps)

Phase A	18
Phase B	10
Phase C	20

Anomaly Details

Anomaly Temperature	31.6
Reference Temperature	29
Temperature Rise Over Same	2.6
Temperature Rise Over Air	11.6
Condition	2
NextScan	Rescan within 12 months
Product	Production Area
Equipment	molder disconnect panel

Circuit Load Rating (Amps): 30

Load is below recommended 40%

Loads are not within tolerance

Recommendations/Notes

Investigate potential high-resistance connection, disassemble and inspect. Replace components as needed, clean all contact surfaces, and reassemble using proper torquing methods. Conduct a follow-up re-inspection scan in 12 months. Production Area, molder disconnect panel.