



International Imaging Technologies, Inc.

Presents

A Qualitative Infrared Thermographic Survey of Electrical Switchgear

At the Facilities of:

**U.S. Postal Service
JAX Processing and Dist. Center
Jacksonville, FL. 32203-9731**

REPAIR GUIDE- Equipment needing repairs

U.S. Postal Service



JAX Processing and Dist. Center

Jacksonville, FL. 32203-9731

T# AREA ROOM/COLUMN PANEL/EQUIPMENT CLASS T#

1	USPS JAX PROCESSING	North Mezzanine	Panel MCC-E/Xformer 75KVA	M	1
3	USPS JAX PROCESSING	Column M11	Panel PP1-M11/Breakers for Circ. 7/8	A	3
12	USPS JAX PROCESSING	Café	Main Breaker for Panel PP1-S4	S	12
15	USPS JAX PROCESSING	Room 43	MCC-G/Cubicle-East Side Ext. Lights	C	15

KEY TO RATINGS

M - Minor

A - Alert

S - Serious

C - Critical

THERMOGRAPHIC

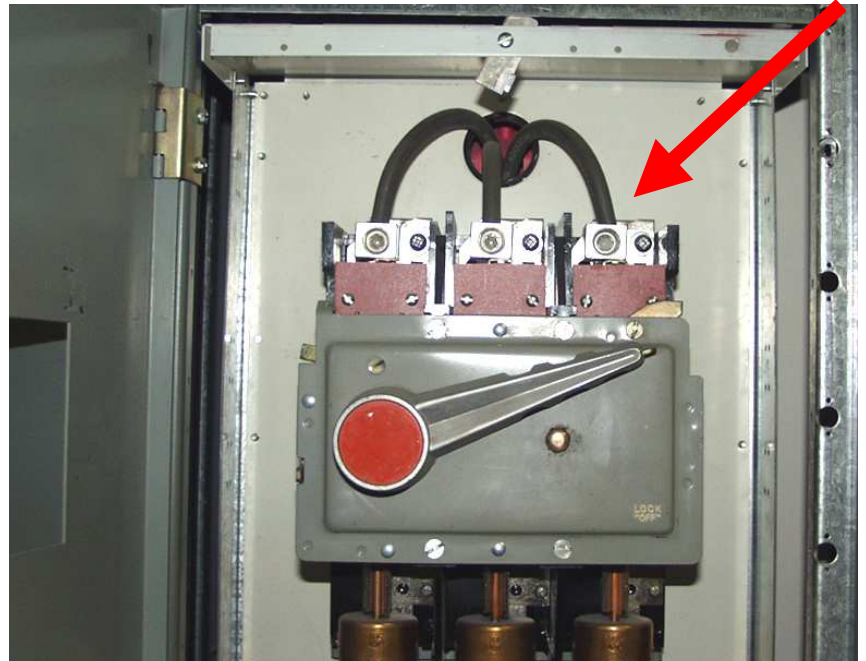
REPORT

Report No. 1

U.S. Postal Service
JAX Processing and Dist. Center

Room/Column
North Mezzanine

Panel/Equipment
Panel MCC-E/Xformer 75KVA



Ambient temp.	82.3
Reference temp.	89.0
High temp.	94.5
Temp. rise	5.5

RISE ABOVE IN DEGREES F

- Ambient
- *** Reference
- *** Adjacent phase
- *** Direct measurement



AMPERAGES

A:	38
B:	38
C:	39

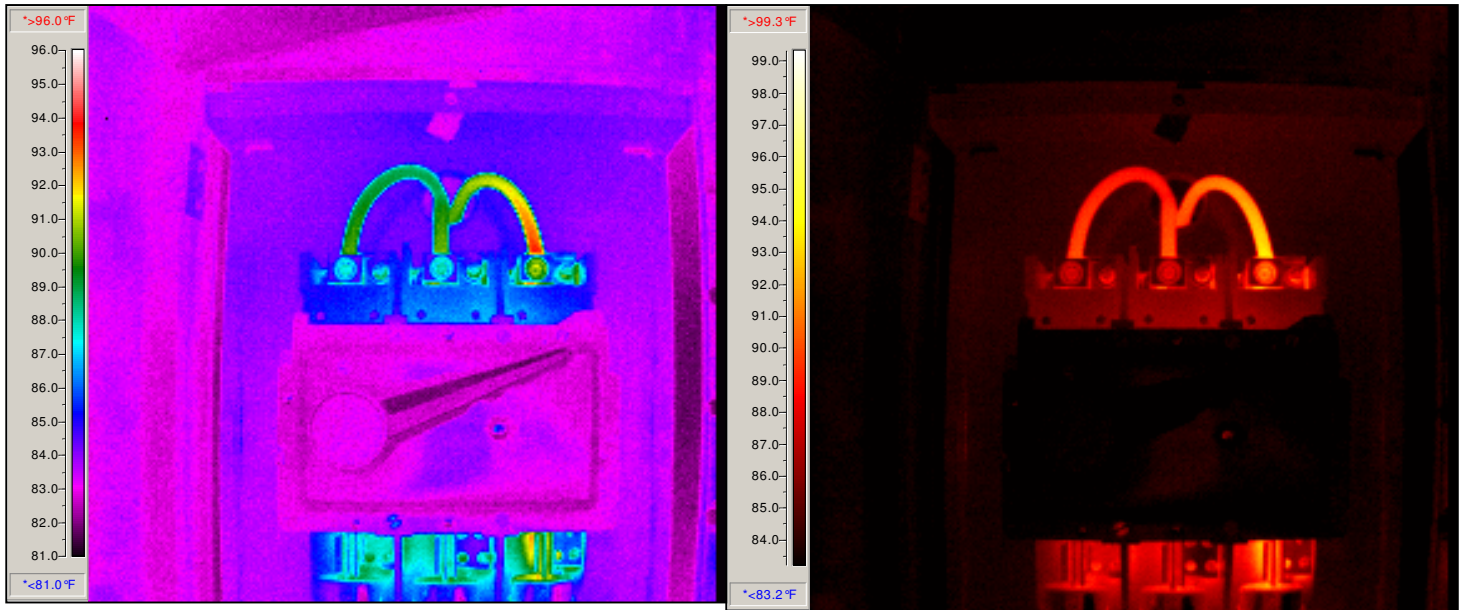


DESCRIPTION: Main Disconnect/Phase C, Line Side Lug Heating

RECOMMENDATION: Check Lug connection and Line Side of Disconnect

TEMP. RATING	TEMP. RISE F degrees	CLASSIFICATION
*** Minor	1-18	Routine. Repair during regular maintenance, little chance of physical damage.
Alert	19-36	Repair within 30 days, watch load and inspect for physical damage.
Serious	37-54	Repair/Replace ASAP. Inspect surrounding components for physical damage.
CRITICAL	>55	IMMEDIATE REPAIR/REPLACE. DANGER EXISTS!

Area: North Mezzanine
Loc: Panel MCC-E/Xformer 75KVA



THERMOGRAPHIC



REPORT

Report No. 3

U.S. Postal Service
JAX Processing and Dist. Center

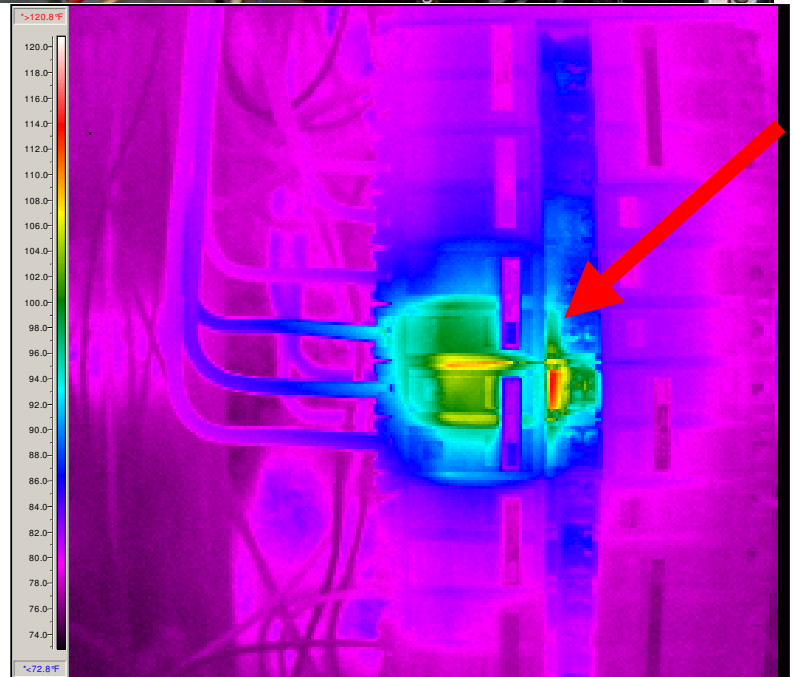
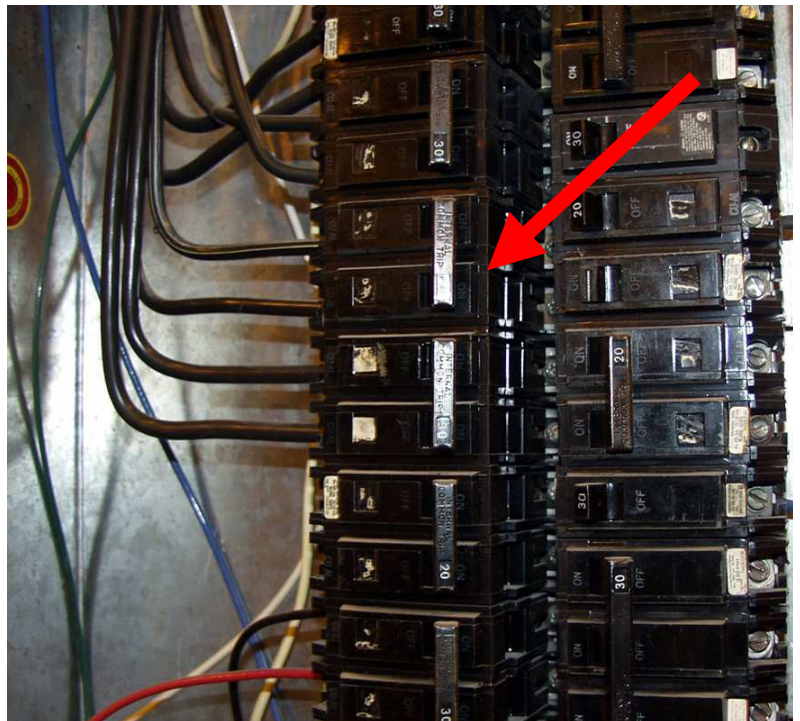
Room/Column
Column M11

Panel/Equipment
Panel PP1-M11/Breakers for Circ. 7/8

RISE	Ambient temp.	74.8
	Reference temp.	81.5
	High temp.	114.0
	Temp. rise	32.5

ABOVE IN DEGREES F

- Ambient
- *** Reference
- *** Adjacent phase
- *** Direct measurement

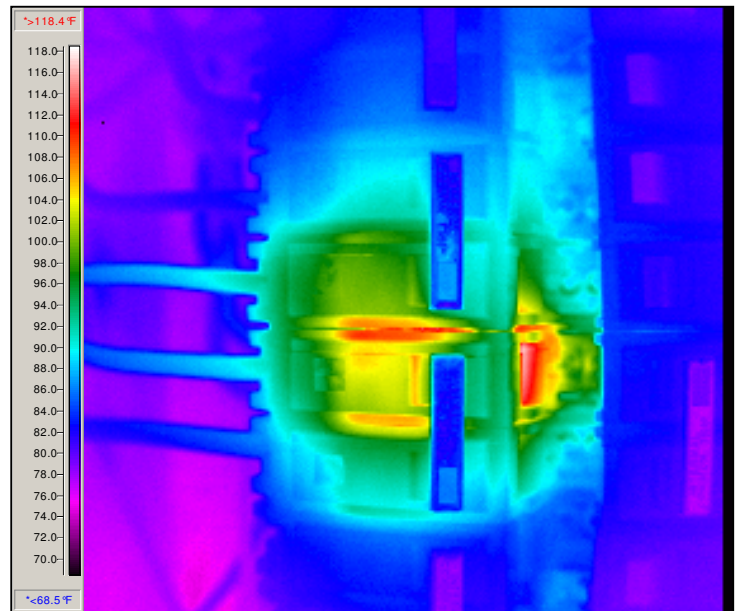
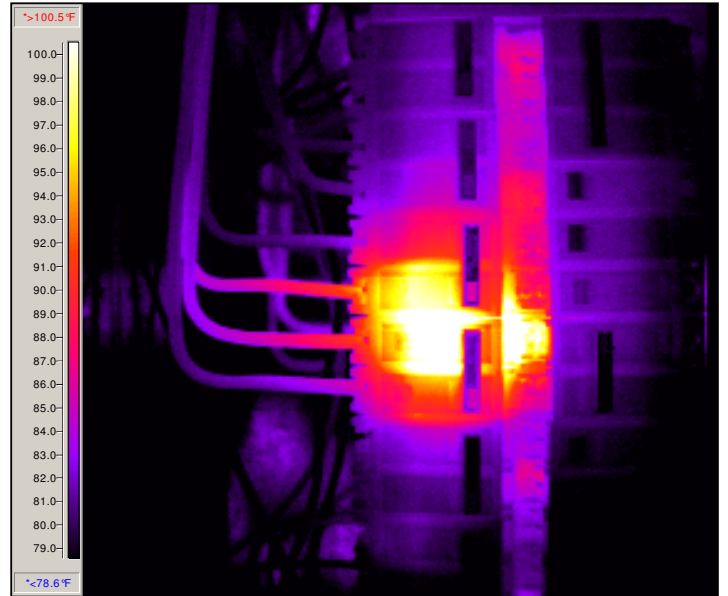
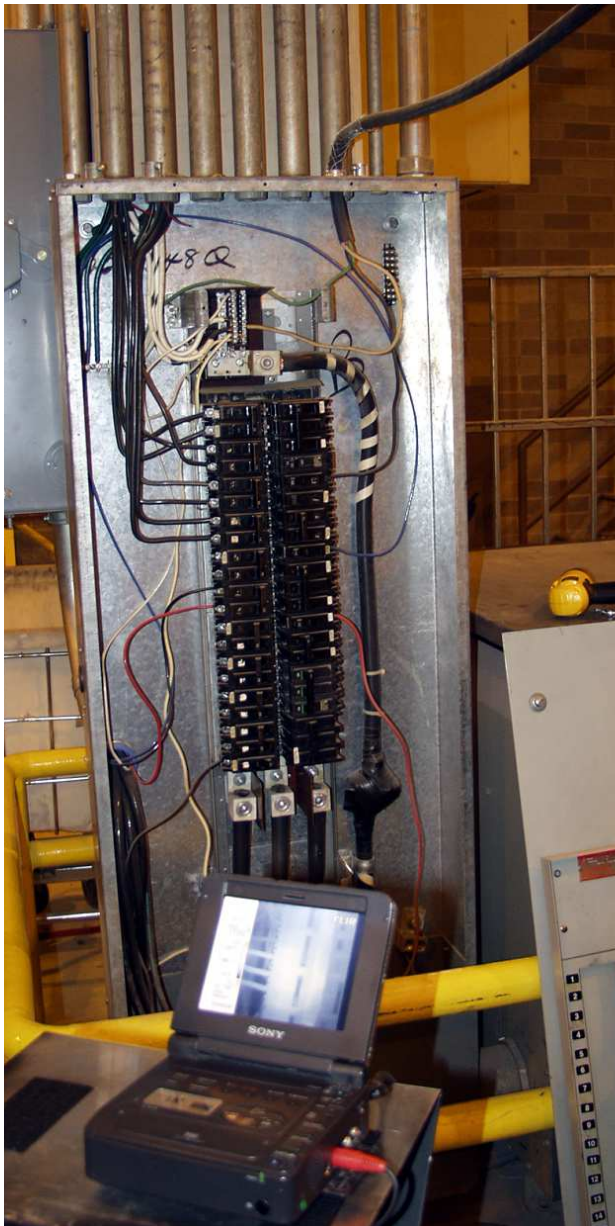
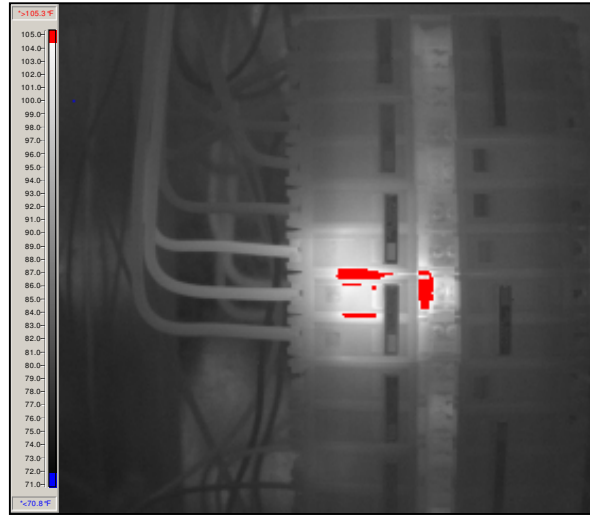


AMPERAGES
A: Not Read
B: Not Read
C: Not Read

DESCRIPTION: Breaker Bus Connection
RECOMMENDATION: Check Bus Connection

TEMP. RATING	TEMP. RISE F degrees	CLASSIFICATION
Minor	1-18	Routine. Repair during regular maintenance, little chance of physical damage.
*** Alert	19-36	Repair within 30 days, watch load and inspect for physical damage.
Serious	37-54	Repair/Replace ASAP. Inspect surrounding components for physical damage.
CRITICAL	>55	IMMEDIATE REPAIR/REPLACE. DANGER EXISTS!

Area: Column M11
Loc: Panel PP1-M11/Breakers for Circ. 7/8



THERMOGRAPHIC



REPORT

Report No. 12

U.S. Postal Service
JAX Processing and Dist. Center

Room/Column
Café

Panel/Equipment
Main Breaker for Panel PP1-S4

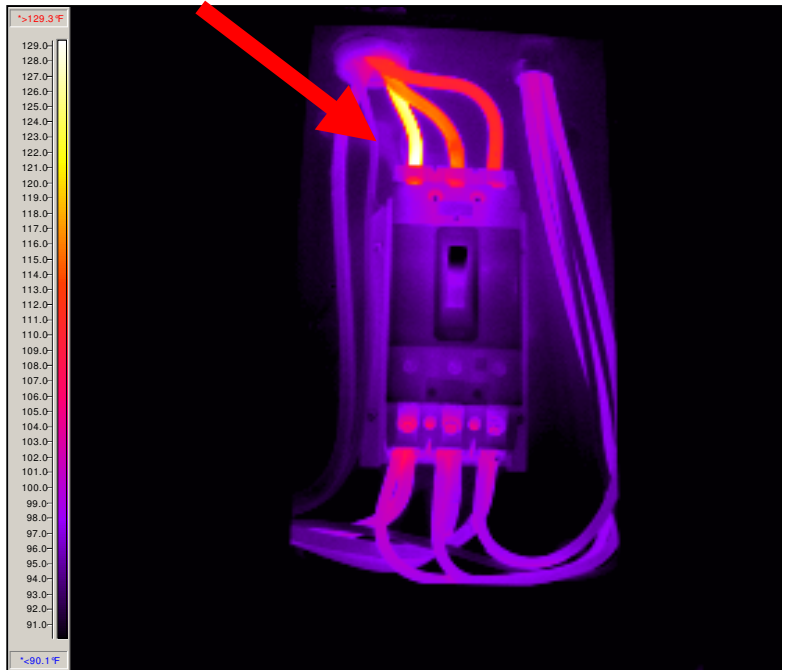


Ambient temp.	80.2
Reference temp.	89.8
High temp.	129.9
Temp. rise	40.1

- RISE ABOVE IN DEGREES F
- Ambient
 - *** Reference
 - *** Adjacent phase
 - *** Direct measurement



AMPERAGES
A: Not Read
B: Not Read
C: Not Read

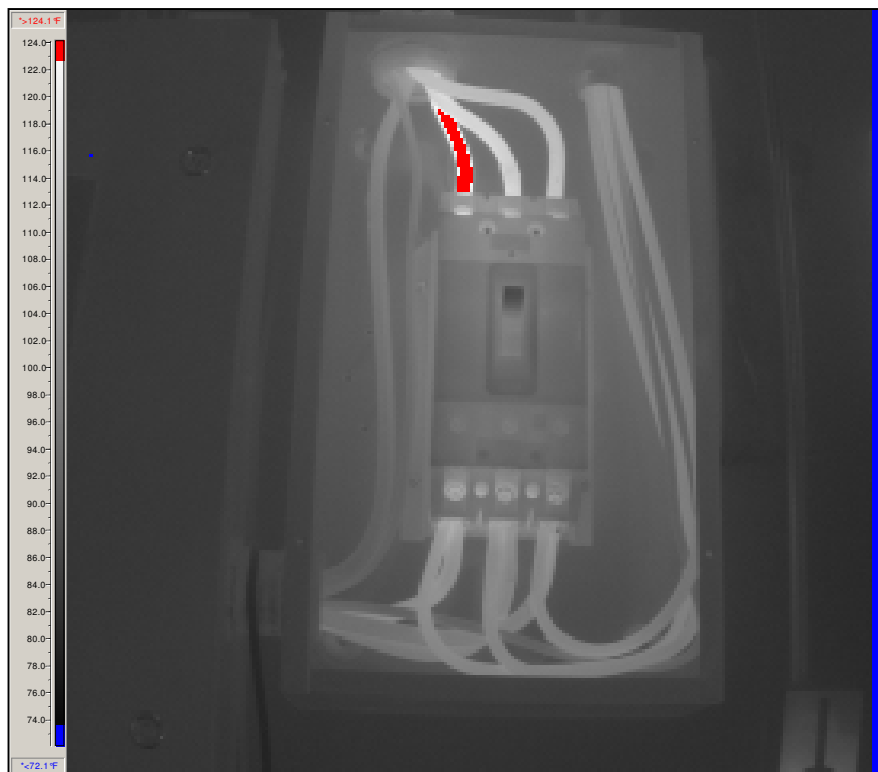
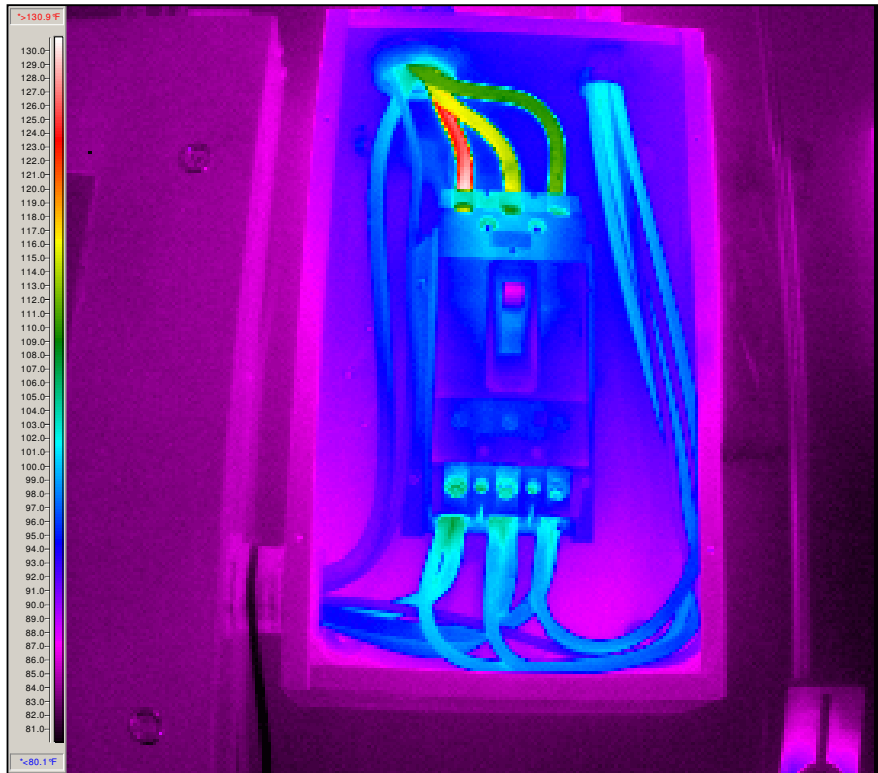


DESCRIPTION: Breaker Lug/Phase A, Line Side

RECOMMENDATION: Check Lug Connection

TEMP. RATING	TEMP. RISE	CLASSIFICATION
	F degrees	
Minor	1-18	Routine. Repair during regular maintenance, little chance of physical damage.
Alert	19-36	Repair within 30 days, watch load and inspect for physical damage.
*** Serious	37-54	Repair/Replace ASAP. Inspect surrounding components for physical damage.
CRITICAL	>55	IMMEDIATE REPAIR/REPLACE. DANGER EXISTS!

Area: Café
Loc: Main Breaker for Panel PP1-S4



THERMOGRAPHIC



REPORT

Report No. 15

U.S. Postal Service
JAX Processing and Dist. Center

Room/Column
Room 43

Panel/Equipment
MCC-G/Cubicle-East Side Ext. Lights

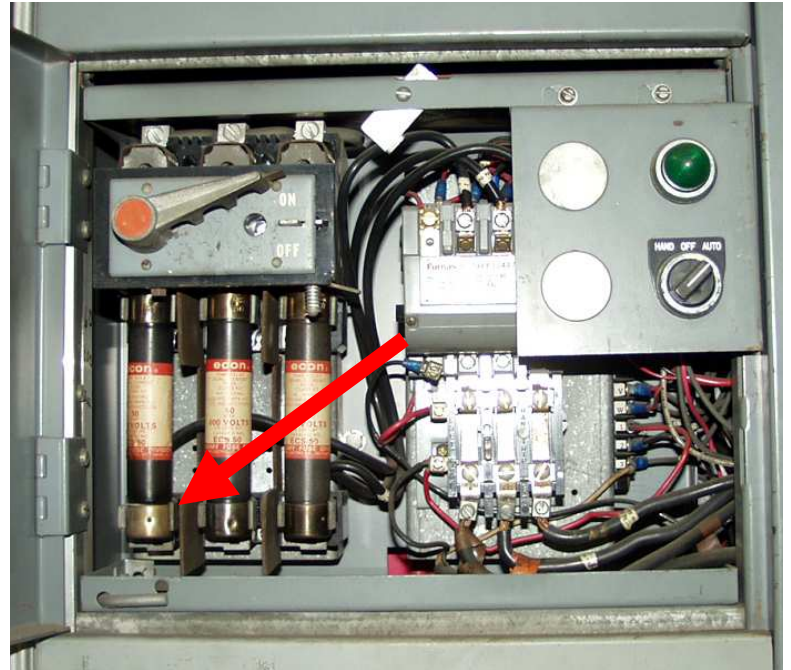
Ambient temp.	86.0
Reference temp.	104.8
High temp.	224.2
Temp. rise	119.4

- RISE ABOVE IN DEGREES F
- Ambient
 - *** Reference
 - *** Adjacent phase
 - *** Direct measurement



AMPERAGES
A: Not Read
B: Not Read
C: Not Read

DESCRIPTION: Fuse and Fuse Clip/Phase A,
Load Side
RECOMMENDATION: Replace Fuse and Fuse
Clip



TEMP. RATING	TEMP. RISE F degrees	CLASSIFICATION
Minor	1-18	Routine. Repair during regular maintenance, little chance of physical damage.
Alert	19-36	Repair within 30 days, watch load and inspect for physical damage.
Serious	37-54	Repair/Replace ASAP. Inspect surrounding components for physical damage.
*** CRITICAL	>55	IMMEDIATE REPAIR/REPLACE. DANGER EXISTS!

Area: Room 43
Loc: MCC-G/Cubicle-East Side Ext. Lights

