



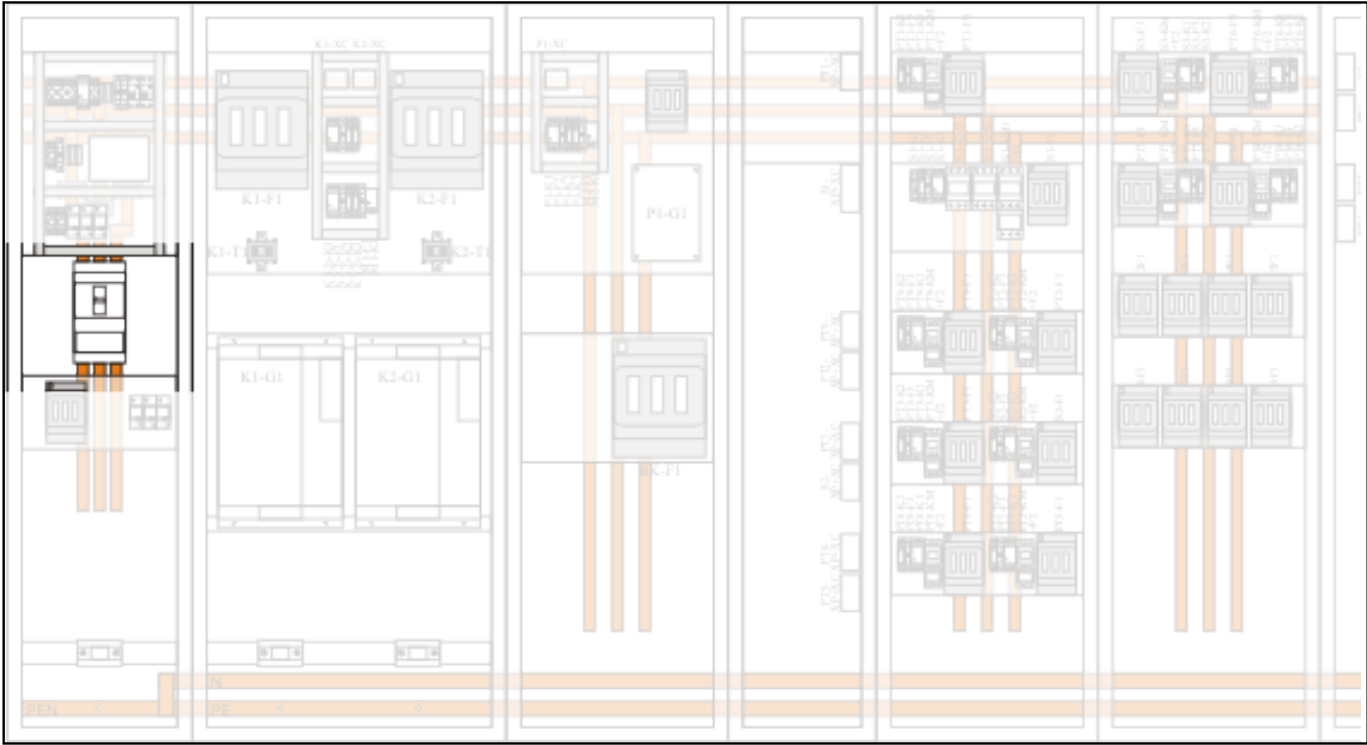
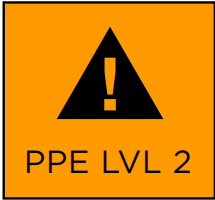


remote switchgear system		SORT ▼ 	
Breaker 1A tripped in Switchgear 5 - Margaret Hall			
June 23, 2014 • 10:36 AM			
High vibration levels in Switchgear 6 wiring - Tepper Building			
June 12, 2014 • 10:36 AM			
Automatically lowered temperature due to Increasing humidity and loose wiring in Switchgear 3 - Simon Building			
June 3, 2014 • 10:36 AM			



Pictorial

One-Line

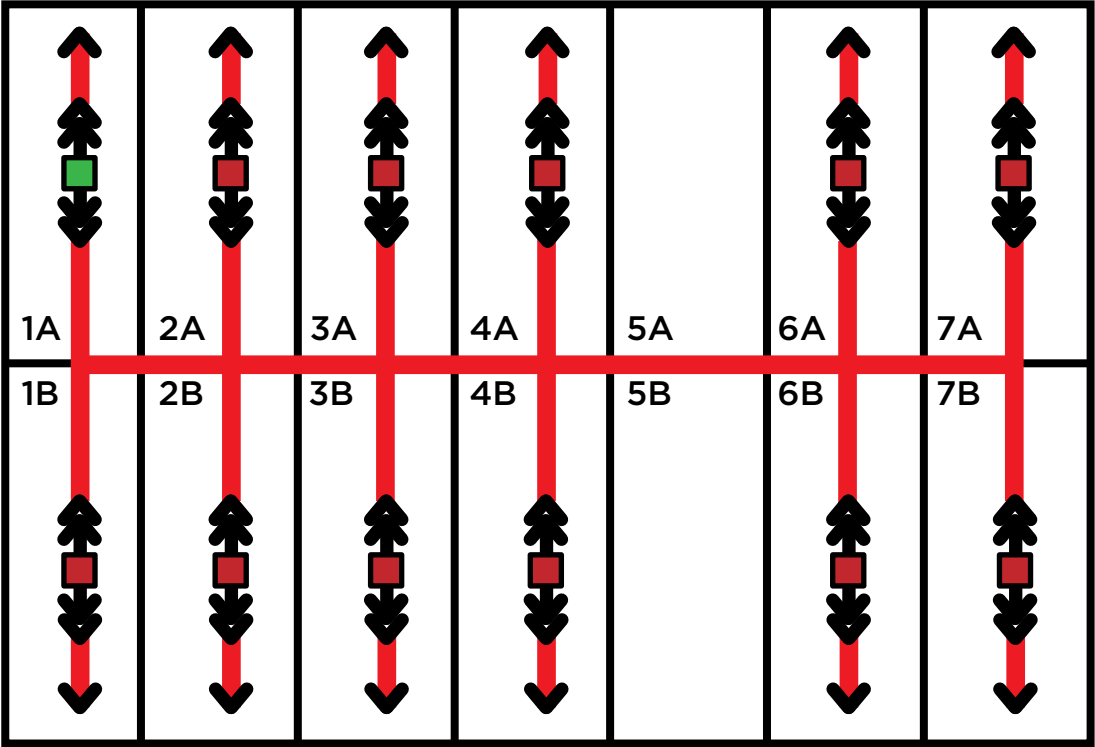
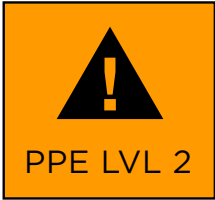
Floor Map

Why?

A malfunction in chiller 7 caused an overload in Breaker 1A.

Troubleshooting tools





Pictorial

One-Line

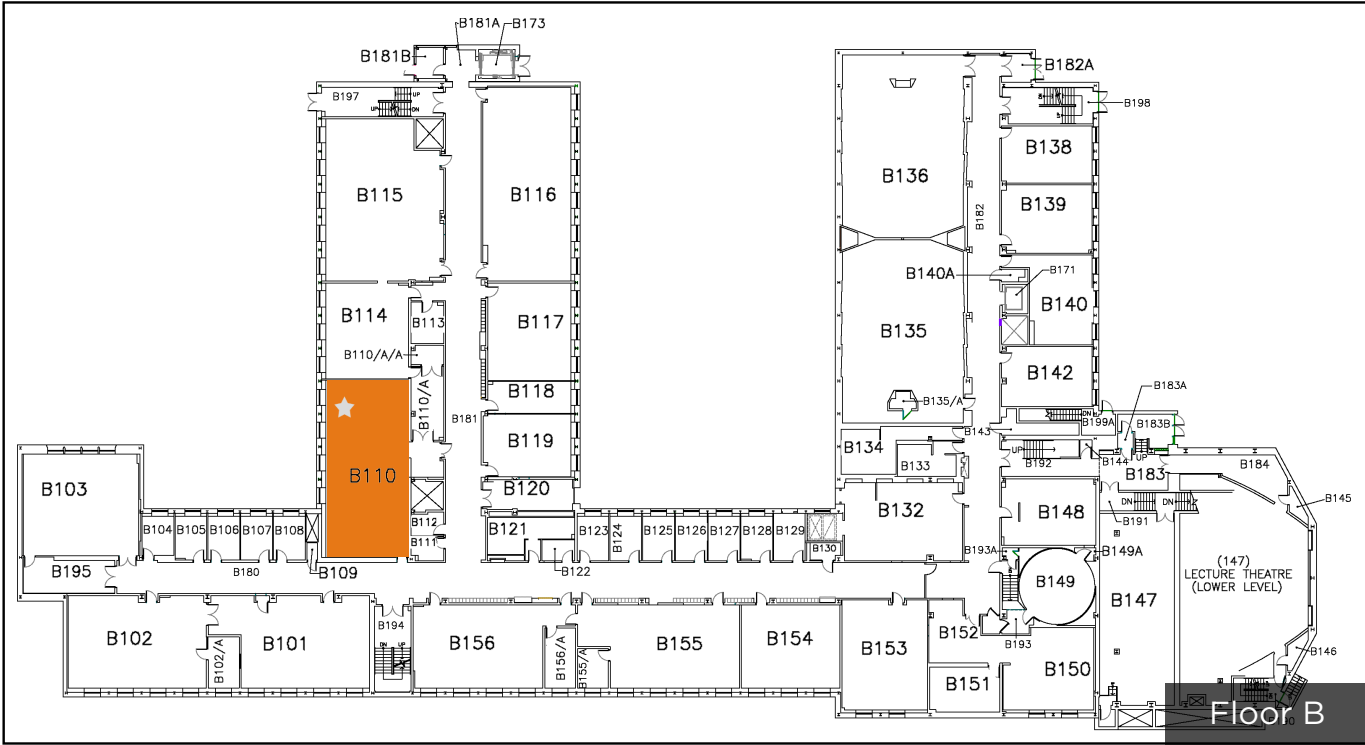
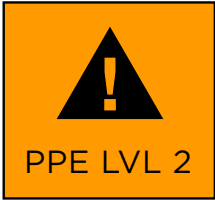
Floor Map

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Troubleshooting tools





Pictorial

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Why?

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Troubleshooting tools

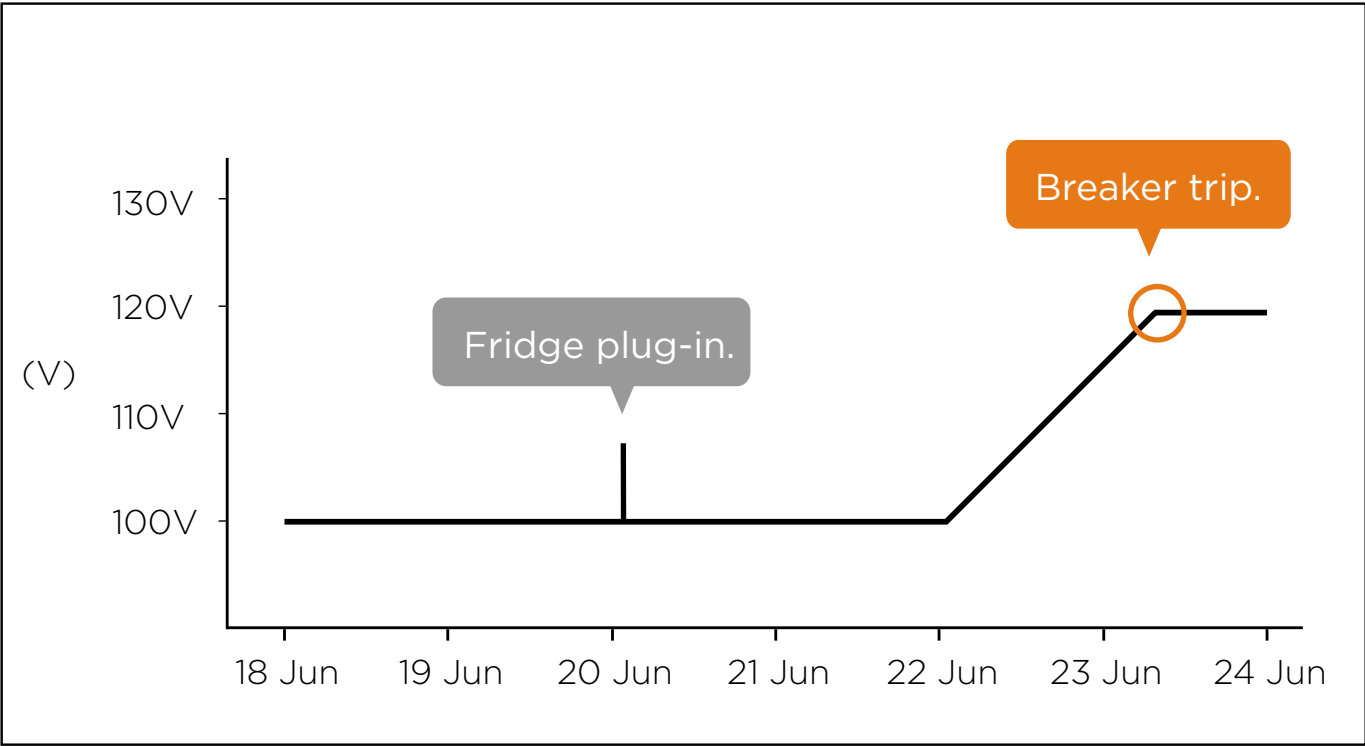




TRIP EVENT DATA

BREAKER SENSORS

SUGGESTED PROTOCOL



Volts

Amps

Breaker 1A Tripped in Switchgear 5 Margaret Hall

June 23, 2014 • 10:36 AM

Data from Trip Unit Breaker 1A for time of trip event

Voltage 120V (23 over average)

Amps 333A (34 over average)

Phase B Phase

View more detailed information on your power monitoring system





TRIP EVENT DATA

BREAKER SENSORS

SUGGESTED PROTOCOL

Summary of Breaker 1A's Sensor Data

The breaker has dirt on some components.  
[UNRELATED TO BREAKER TRIPPING]

Sensors in Breaker 1A	Status	Sensor Condition
Dirt		
Fire		
Humidity		
Temperature		
Wiring		



TRIP EVENT DATA

BREAKER SENSORS

SUGGESTED PROTOCOL

Summary of Breaker 1A's Sensor Data

The breaker has dirt on some components.  
[UNRELATED TO BREAKER TRIPPING]

Sensors in Breaker 1A	Status	Sensor Condition
Dirt	<div><div>!</div><div>Dirt on Breaker 1A. Two months until problem becomes serious.</div></div>	<div><div>✓</div></div>
Fire	<div><div>✓</div></div>	<div><div>✓</div></div>
Humidity	<div><div>✓</div></div>	<div><div>✓</div></div>
Temperature	<div><div>✓</div></div>	<div><div>✓</div></div>
Wiring	<div><div>✓</div></div>	<div><div>✓</div></div>



Steps for fixing breaker 1A trip.

You will be asked to authenticate to perform these actions remotely.

1. Power automatically rerouted from generator
2. Switch off Switchgear 5.
3. Rack out bucket 1 and 3.
4. Locate cable 62 and 73.
- 5 Tighten screws on bolts on cable 62 and 73.
6. Rack in bucket 1 and 3.





Steps for fixing breaker 1A trip.

You will be asked to authenticate to perform these actions remotely.

1. Reroute power from Switchgear 5 to Switchgear 7

✓
2. Switch off Switchgear 5.

✓
3. Rack out bucket 1 and 3.

>
4. Locate cable 62 and 73.

>
- 5 Tighten screws on bolts on cable 62 and 73.

>
6. Rack in bucket 1 and 3.

>