

Report By:

**National TAB
1329 E. KEMPER ROAD
SUITE 4210
CINCINNATI, OH 45246**

NATIONAL

TAB

Comfort. Under control.

Report: ISSUES

Function: Test, Adjust, & Balance

Date: 03/30/2023

PROJECT

Project Eagle (Liberty, MO)

1551 SHEPHERD RD

LIBERTY, MO 64083

Client

Metro Air Conditioning

8151 McCoy

Shawnee, KS 66227

National TAB

Project: Project Eagle (Liberty, MO)

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Project Eagle (Liberty, MO)

Project Issue Information

Issue Name : CEF1-1/1-2/1-3 overperforming

Description : The edges of the ceiling fan CEF1-1, CEF1-2, and CEF1-3 are not sealed and the fan is pulling from outside the restroom and over performing as a result. All fans speed taps are set to lowest setting.

Created By : National TAB

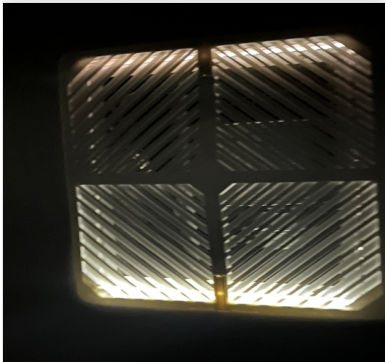
Assigned To : National TAB - Jacob Davidson

Status : Open

Originated Date : 03/20/2023 - Jacob Davidson - National TAB

Project Issue Response Details

- **03/29/2023** **National TAB - Jacob Davidson**
 - The space around the ceiling fans has been sealed, however the units are still overperforming at the lowest speed possible on the dial. A smaller fan would be needed to decrease any further.
- **03/20/2023** **National TAB - Jacob Davidson**
 - Added pics of other fans with light bleeding through.



Gaps1-3.jpeg



GapCEF1-2.jpeg



Gap1-2R.jpeg



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Project Eagle (Liberty, MO)

Project Issue Information

Issue Name : Exhaust fan control issue

Description : The exhaust fans are all controlled via 4 controllers outside the office area. They are labeled North, South, Upper, and Lower. The office spaces are not North and South of each other and there is no indication which controller goes to which fans or which fan number on the controller it correlates to. The only way that tech can determine is trial and error, but the facility is too big and that will take far too much time and to be feasible. Tech will only be able to read values unless a better way to control the speed is given.

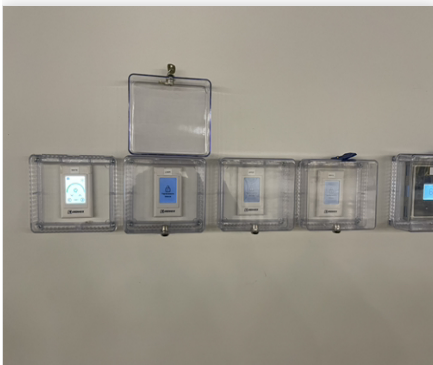
Created By : National TAB

Assigned To : National TAB - Jacob Davidson

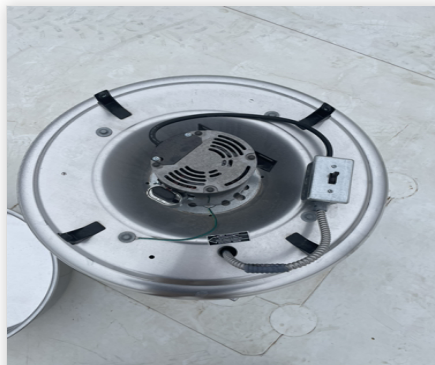
Status : Open

Originated Date : 03/21/2023 - Jacob Davidson - National TAB

Project Issue File Details



Controllers.jpeg



Nospeedtap.jpeg



Screen.jpeg

Project Issue Response Details

• **03/29/2023** National TAB - Jacob Davidson

- Was told by Charles that the MAU controllers are how the exhaust fans are controlled. That is not the case as the modules do not have any controls for exhaust fans in the options menu. Tech still cannot control fan speed.



Modules.jpeg



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Project Eagle (Liberty, MO)

Project Issue Information

Issue Name : RTU2 “shutdown active” alarm error message
Description : Alarm message on RTU2 during heating “shutdown active” that won’t go away with erasing the alarm.
Created By : National TAB **Assigned To :** National TAB - Jacob Davidson
Status : Open
Originated Date : 03/29/2023 - Jacob Davidson - National TAB

Project Issue File Details



Alarm.jpeg

Project Issue Response Details

- **03/29/2023 National TAB - Jacob Davidson**
 - There are other alarms popping up and the unit also has no enthalpy Setpoint like it is supposed to.



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Project Eagle (Liberty, MO)

Project Issue Information

Issue Name : RTU3 fan does not run.

Description : Supply diffusers are reading negative values meaning they are exhausting air and not supplying. All dampers have been checked and opened. Due to bad storming, tech was unable to get to roof to diagnose problem. When closing a diffuser the negative number goes to zero as well, so the diffusers are confirmed to be exhausting.

Created By : National TAB

Assigned To : National TAB - Jacob Davidson

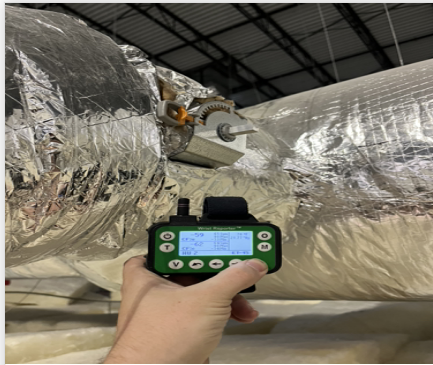
Status : Open

Originated Date : 03/16/2023 - Jacob Davidson - National TAB

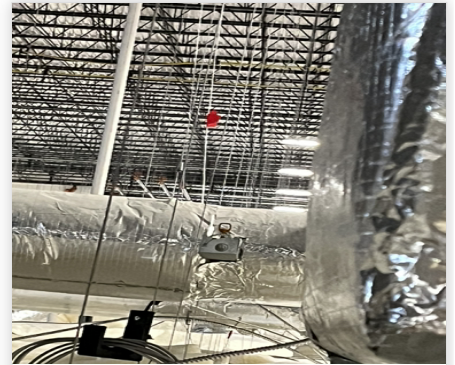
Project Issue File Details



Thermo.jpeg



Reading.jpeg

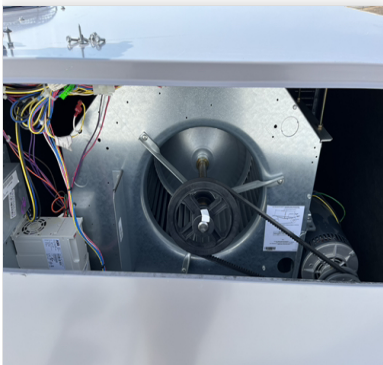


Damperclosed.jpeg

Project Issue Response Details

• **03/29/2023** National TAB - Jacob Davidson

- Disconnect was off on the roof. After turning on the disconnect and waiting 5 minutes, the fan still did not start with the thermostat in fan on position.



Motorcompartment.jpeg

• **03/29/2023 National TAB - Jacob Davidson**

- Came into site today and was told by Charles that all punchlist items had been fixed prior to my arrival. RTU3 still is not running how it is supposed to run at any stage. Tech cannot balance unit as a result.



Cooling.jpeg



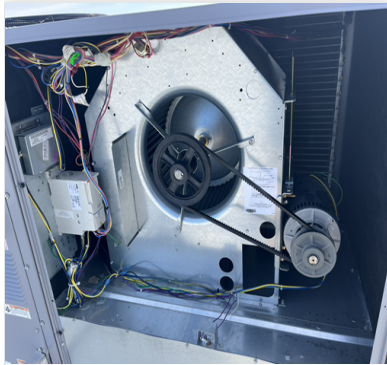
Heating.jpeg



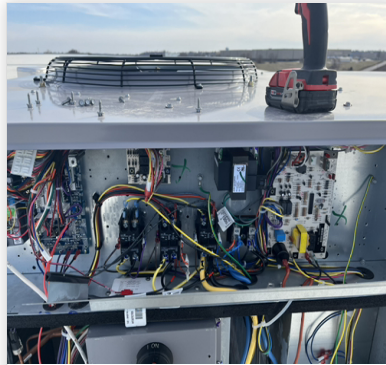
Hoodsetup.jpeg

• **03/20/2023 National TAB - Jacob Davidson**

- Tech was able to make it to roof to check out unit and fan motor is not at all running. All 3 branches of the disconnect are getting 490V. The VFD in the unit is running but the fan will not turn on. The thermostat is also in fan on



Fan.jpeg



Electric.jpeg