



RTU-1 Report



Info

Tag:	RTU-1	Title:	1st Rooftop Unit
Type:	Rooftop Unit	System:	Mechanical
Status:	Not Started	Space:	STEM Building

Description

Example equipment created via upload

Attributes

Manufacturer: Trane
Make: Climate Changers
Serial #:
Size: 20 ton
Airflow: 20,000 cfm
Age: 10 years
Condition: Good

Components

SAF — Supply Fan
Type: Centrifugal Fan • Status: Operational
Manufacturer: Baldor
Model: BD-100
Serial: 10019767
Type: Inline
Condition: Good
Age: 10 years
Notes: This fan is original with the unit. It is showing signs of wear.

RAF — Return Air Fan
Type: Centrifugal Fan • Status: Operational
Manufacturer: Baldor
Model: BD109
Serial #: 90993265

OAD — Outside Air Damper
Type: Damper Actuator • Status: Not Working
Manufacturer: Belimo
Model: RF650W
Type: Typical with end switch
Age: 10 years
Condition: Poor
Notes: Outside air damper was not being closed during occupied modes.

RAD — Outside Air Damper
Type: Damper Actuator • Status: Not Working
Manufacturer: Belimo
Model: RF650W
Type: Typical with end switch
Age: 10 years
Condition: Poor
Notes: Outside air damper was not being closed during occupied modes.

Photos



RTU-1 Report



Test	Expected	Actual	Pas
From the BAS change the cooling setpoint from 72 degF to 65 degF.	1. Fan should run 2. OAD Should open 3. Cooling should increase	1. Fan status = 2. OAD = 3. Cooling =	—
From the BAS change the cooling setpoint from 65 degF to 60 degF.	1. Fan should start 2. OAD Should open 3. Htg/Clg should be 100%	1. Fan status = 2. OAD = 3. Htg/Clg =	—
Release overrides	Unit should return to normal operation	1. Fan status = 2. OAD = 3. Htg/Clg =	—
#3 Occupied Heating			
Description: Verify that the unit can heat to meet the space demand			
Test	Expected	Actual	Pas
From the BAS change the heating setpoint from 72 degF to 78 degF.	1. Fan should run 2. OAD Should open 3. Heating should increase	1. Fan status = 2. OAD = 3. Heating =	—
From the BAS change the cooling setpoint from 78 degF to 85 degF.	1. Fan should start 2. OAD Should open 3. Heating should be 100%	1. Fan status = 2. OAD = 3. Heating =	—
Release overrides	Unit should return to normal operation	1. Fan status = 2. OAD = 3. Heating =	—

Issues

#1016 FPT: RTU-1 • #3 – Occupied Heating
Status: Open • Type: FPT • Priority: Medium