

Report By:

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



Report: Punch List
Function: Test, Adjust, & Balance
Date: 09/30/2024
Completed By: National TAB

PROJECT
HomeSense (Knoxville, TN)

11263 Parkside Dr

Knoxville, TN 37934

Client

Triton Services, Inc.
8162 Duke Boulevard
Mason, OH 45040

National TAB

Project: HomeSense (Knoxville, TN)

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HomeSense (Knoxville, TN)

Project Issue Information

Issue Name : EF-1 Not Making Flow
Description : EF-1 is not achieving design flow when hardwired to full power or at full speed on the speed controller. No obvious obstructions were observed, and static pressure is low relative to design. EF-1 may need a stronger fan/motor installed to achieve flow.
Created By : National TAB **Assigned To :** National TAB - Nick Payne
Status : Open
Priority : High **Asset Tag :**
Originated Date : 09/19/2024 - Riley Frady - National TAB

Project Issue Response Details

- **10/21/2024 National TAB - Jordan Best**
 - MC states fan matches submittal. There is no backdraft damper nor any other flow restrictions / duct leakage / etc. Design flow not achieved.



HomeSense (Knoxville, TN)

Project Issue Information

Issue Name : RTU-1 Return Restriction
Description : RTU-1 not making design flow, suspect return restriction. Lowest MA compartment static pressure is 1.00" at 60% OA damper despite opening for OA being narrower than return ductwork. Motor above FLA when door open, near FLA when not, and only has one more possible motor sheave turn before maxed out. Fan pulley near but above design RPM.

Created By : National TAB **Assigned To :** National TAB - Nick Payne
Status : Open
Priority : Medium **Asset Tag :**
Originated Date : 09/19/2024 - Riley Frady - National TAB

Project Issue Response Details

- **10/22/2024 National TAB - Jordan Best**
 - Leakage found at unit where discharge section meets curb. Gap was sealed but did not help restrictions on return. Unable to discern issue with unit but have pinpointed it as an issue in the return duct. Other issues discovered are: -filters were never changed throughout construction, internal condenser coil is caked with dust -compressor 2 locked out due to high pressure The following data was recorded pre and post sealing of the gap: Pre Amps- 6.07/6.52/6.11 (6.7 des) Volts- 490.9/488.4/491.7 MA: -1.19" Dis: 1.10" Suc: -1.56 Return drop: -0.10" Supply drop: 0.38" Post Amps- 6.07/6.52/6.11 (6.7 des) Volts- 490.9/488.4/491.7 MA: -1.18" Dis: 1.12" Suc: -1.53" Return drop: -0.11" Supply drop: 0.39"



HomeSense (Knoxville, TN)

Project Issue Information

Issue Name : RTU-5 Fan Pulley
Description : Fan pulley key was just installed afternoon of 2024-09-19, Triton tech Larnell noted wobble but pulley remained operation. After one power cycle to motor, fan pulley wobbled loose on startup. This repeated after reinstallation. Suspect issue with fan pulley fitment of key or bore. RTU-5 disconnected for safety until issue resolved.

Created By : National TAB **Assigned To :** National TAB - Nick Payne
Status : Closed
Priority : High **Asset Tag :**
Originated Date : 09/19/2024 - Riley Frady - National TAB

Project Issue Response Details

- **10/22/2024 National TAB - Jordan Best**
 - Fan pulley replaced, unit is functional and balanced to design.



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Project Issue Information

Issue Name : RTU-6 Missing Dampers
Description : In order to balance air devices, the following dampers need to be addressed: Diffuser in hallway has broken damper, stuck shut. Diffuser in men's room needs dedicated damper. Diffuser in manager's office needs dedicated damper. Returns in cash hall wing all low, suspect closed branch damper or obstruction. Unable to locate branch damper.

Created By : National TAB **Assigned To :** National TAB - Nick Payne
Status : Closed
Priority : High **Asset Tag :**
Originated Date : 09/19/2024 - Riley Frady - National TAB

Project Issue Response Details

- **10/22/2024 National TAB - Jordan Best**
 - Missing dampers added, unit balanced to design.

HomeSense (Knoxville, TN)

Project Issue Information

Issue Name : RTU-7 Dampers
Description : RTU-7 is missing all branch dampers except on trunk closest to back wall - that trunk has a damper installed but it is catching on a bolt and cannot move freely. Additionally, the mop closet diffuser will need a dedicated takeoff/neck/face damper installed to restrict its flow as there is currently no damper which only adjusts this diffuser.

Created By : National TAB **Assigned To :** National TAB - Nick Payne
Status : Open
Priority : High **Asset Tag :**
Originated Date : 09/19/2024 - Riley Frady - National TAB

Project Issue Response Details

- **10/21/2024 National TAB - Jordan Best**
 - Ductwork inaccessible due to inventory items in the warehouse. Dampers unable to be installed, diffusers unable to be balanced.



10/21/2024