

**Report By:**

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



**Report: TAB Report**  
**Function: Test, Adjust, & Balance**  
**Date: 07/11/2025**  
**Completed By: National TAB**

**PROJECT**  
**Deweys Remodel (Crestview Hills, KY)**

2949 Dixie Highway

Crestview Hills, KY 41017

**Client**

C&T DESIGN  
4025 PORT UNION RD.  
FAIRFIELD, OH 45014

# National TAB

Project: Deweys Remodel (Crestview Hills, KY)

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## Issue List

- Dirty Filters
- Economizers Not Functional
- RTU-1 Below Design
- Unit Cleanliness



## Deweys Remodel (Crestview Hills, KY)

### Project Issue Information

**Issue Name :** Dirty Filters  
**Description :** Filters for RTU's 1, 2, and 3 are all extremely dirty and should be replaced.  
**Created By :** National TAB                      **Assigned To :** National TAB - Jordan Best  
**Status :** Open  
**Priority :** Urgent                                      **Asset Tag :**  
**Originated Date :** 07/11/2025 - Jordan Best - National TAB



### Deweys Remodel (Crestview Hills, KY)

#### Project Issue Information

**Issue Name :** Economizers Not Functional  
**Description :** Economizers for RTU's 1, 2, and 3 are not functional. Units 2 and 3 OA set manually, unable to access economizer damper actuator to manually set OA for RTU 1. This will cause negative building pressure while hoods are operating.

**Created By :** National TAB                      **Assigned To :** National TAB - Jordan Best  
**Status :** Open  
**Priority :** Urgent                                      **Asset Tag :**  
**Originated Date :** 07/11/2025 - Jordan Best - National TAB



**Deweys Remodel (Crestview Hills, KY)**

**Project Issue Information**

**Issue Name :** RTU-1 Below Design  
**Description :** Unit below design. Motor sheave spun into lowest tolerance. Unit is below FLA; fan speed could be increased by changing the pulley size and belt length.  
**Created By :** National TAB                      **Assigned To :** National TAB - Jordan Best  
**Status :** Open  
**Priority :** High                                      **Asset Tag :**  
**Originated Date :** 07/11/2025 - Jordan Best - National TAB



## Deweys Remodel (Crestview Hills, KY)

### Project Issue Information

**Issue Name :** Unit Cleanliness  
**Description :** RTU's 1, 2, and 3 are all extremely dirty and dusty. Recommend thoroughly cleaning supply and return compartments, cooling coils, and re-securing internal insulation,  
**Created By :** National TAB                      **Assigned To :** National TAB - Jordan Best  
**Status :** Open  
**Priority :** Urgent                                      **Asset Tag :**  
**Originated Date :** 07/11/2025 - Jordan Best - National TAB

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Project: Deweys Remodel (Crestview Hills, KY)

System/Unit: AHU/RTU



Asset: RTU-1

AREA:

Unit Data		
	Design	Actual
MFG	NA	CARRIER
Serial Num	-	3305G20776
Model Num	NA	48TME014
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	32"X20"
Num PreFilter 1	-	4
PreFilter Size 1	-	20"X20"X2"

Motor Data		
	Design	Actual
Motor MFG	-	GE
Frame	-	56HZ
Motor Rpm	-	1725
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	10.2
Service Factor	-	1.15

Drive Data	
	Actual
Motor Sheave Size	1VPD6X7/8
Motor Bore Size	1VPD6X7/8
Motor Sheave SetPt	0 TURNS OUT
Fan Sheave Size	8"
Fan Sheave Bore	1"
Belt CL Distance	17"
Num of Belts	1
Belt Size	A35

Test Data		
	Design	Actual
SF CFM	5000	3975
RA CFM	4000	3975
OA CFM	1000	0
RL Voltage	-	206.1/206/206.4
RL Amperage	-	8.72/8.82/8.67

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.7"
Fan Suction SP	-	-1.05"
Fan Discharge SP	-	0.91"
Total ESP	-	1.61"
Fan Total SP	-	1.96"

Completed By: Jordan Best on 07/11/2025

Notes:

Unit Traverse Total @ Entry to Dining: 2763

2nd Trunk Traverse: 1242

Unit below design at highest speed. Motor is below FLA

Written By: Jordan Best on 07/11/2025

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Project: Deweys Remodel (Crestview Hills, KY)

## AHU/RTU



**Diffuser Supply (GRD)**

**RTU-1/**

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
AHU1-SGRD1				400	1	378			-
AHU1-SGRD2				400	1	315			-
AHU1-SGRD3				350	1	330			-
AHU1-SGRD4				125	1	109			-
AHU1-SGRD5				125	1	80			-
AHU1-SGRD6				300	0.59				-
AHU1-SGRD7				300	0.59				-
AHU1-SGRD8				300	0.59				-
AHU1-SGRD9				300	0.59				-
AHU1-SGRD10				300	0.59				-
AHU1-SGRD11				300	0.59				-
AHU1-SGRD12				300	0.59				-
AHU1-SGRD13				300	0.59				-
AHU1-SGRD14				300	0.59				-
AHU1-SGRD15				300	0.59				-
AHU1-SGRD16				300	0.59				-
AHU1-SGRD17				300	0.59				-
<b>Total</b>				5000		1212	0	0	0%

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Project: Deweys Remodel (Crestview Hills, KY)

## System/Unit: AHU/RTU



Asset: RTU-2

AREA:

Unit Data		
	Design	Actual
MFG	NA	CARRIER
Serial Num	-	3405G40572
Model Num	NA	48TME008
Configuration	-	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	32"X20"
Num PreFilter 1	-	4
PreFilter Size 1	-	20"X20"X2"

Motor Data		
	Design	Actual
Motor MFG	-	GE
Frame	-	56Y
Motor Rpm	-	1725
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	5.2
Service Factor	-	1.15

Drive Data	
	Actual
Motor Sheave Size	4"
Motor Bore Size	0.75"
Motor Sheave SetPt	3 TURNS OUT
Fan Sheave Size	AM74X1
Fan Sheave Bore	AM74X1
Belt CL Distance	17.5"
Num of Belts	1
Belt Size	A50

Test Data		
	Design	Actual
SF CFM	3000	2964
RA CFM	2400	2382
OA CFM	600	582
RL Voltage	-	205.5/205.9/206.1
RL Amperage	-	3.76/3.85/3.69
OA Damper Position	-	SET MANUALLY

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.33"
Fan Suction SP	-	-0.7"
Fan Discharge SP	-	0.08"
Total ESP	-	0.38"
Fan Total SP	-	0.78"

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Project: Deweys Remodel (Crestview Hills, KY)

## AHU/RTU



**Diffuser Supply (GRD)**

**RTU-2/**

<b>Asset</b>									
<b>Asset Name</b>	<b>Location</b>	<b>Type</b>	<b>Size</b>	<b>DESIGN CFM</b>	<b>AK</b>	<b>CFM(1)</b>	<b>CFM(2)</b>	<b>FINAL CFM</b>	<b>% to design</b>
AHU2-SGRD1				400	1			396	99.0
AHU2-SGRD2				400	1			350	87.5
AHU2-SGRD3				400	1			348	87.0
AHU2-SGRD4				400	1			384	96.0
AHU2-SGRD5				400	1			502	125.5
AHU2-SGRD6				400	1			340	85.0
AHU2-SGRD7				200	1			298	149.0
AHU2-SGRD8				400	1			346	86.5
<b>Total</b>				3000		0	0	2964	98.8%

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Project: Deweys Remodel (Crestview Hills, KY)

System/Unit: AHU/RTU



Asset: RTU-3

AREA:

Unit Data		
	Design	Actual
MFG	NA	LENNOX
Serial Num	-	NA
Model Num	NA	TGA06052BMY
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	16"X10"
Num PreFilter 1	-	2
PreFilter Size 1	-	40"X16"X2"

Motor Data		
	Design	Actual
Horsepower	-	0.75
Phase	-	1
Rated Voltage	-	208
Rated Amperage	-	4.2

Test Data		
	Design	Actual
SF CFM	2000	2054
RA CFM	1600	1682
OA CFM	400	372
RL Voltage	-	206.2/205.3/205.7
RL Amperage	-	3.98/4.12/3.89
OA Damper Position	-	SET MANUALLY

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.33"
Fan Suction SP	-	-0.41"
Fan Discharge SP	-	0.25"
Total ESP	-	0.58"
Fan Total SP	-	0.66"

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Project: Deweys Remodel (Crestview Hills, KY)

## AHU/RTU



**Diffuser Supply (GRD)**

**RTU-3/**

<b>Asset</b>									
<b>Asset Name</b>	<b>Location</b>	<b>Type</b>	<b>Size</b>	<b>DESIGN CFM</b>	<b>AK</b>	<b>CFM(1)</b>	<b>CFM(2)</b>	<b>FINAL CFM</b>	<b>% to design</b>
AHU3-SGRD1				200	1			167	83.5
AHU3-SGRD2				200	1			162	81.0
AHU3-SGRD3				275	1			303	110.2
AHU3-SGRD4				250	1			210	84.0
AHU3-SGRD5				275	1			379	137.8
AHU3-SGRD6				200	1			221	110.5
AHU3-SGRD7				300	1			297	99.0
AHU3-SGRD8				300	1			315	105.0
<b>Total</b>				2000		0	0	2054	102.7%

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Project: Deweys Remodel (Crestview Hills, KY)

System/Unit: FAN - Exhaust



Asset: EF-1

AREA:RESTROOM

Unit Data		
	Design	Actual
MFG	COOK	COOK
Model Num	GEMINI 160	GEMINI 160

Test Data		
	Design	Actual
CFM	150	149

Motor Data		
	Design	Actual
Motor MFG	-	QUEACE
Motor Rpm	-	1100
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	0.51

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# National TAB

Project: Deweys Remodel (Crestview Hills, KY)

System/Unit: FAN - Exhaust



Asset: EF-2

AREA:RESTROOM

Unit Data		
	Design	Actual
MFG	COOK	COOK
Model Num	GEMINI 160	GEMINI 160

Test Data		
	Design	Actual
CFM	150	154

Motor Data		
	Design	Actual
Motor MFG	-	QUEACE
Motor Rpm	-	1100
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	0.51

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