

**Report By:**

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

**NATIONAL**

**TAB**

Comfort. Under control.

**Report: PRELIM  
Function: Test, Adjust, & Balance  
Date: 02/03/2023**

# **PROJECT**

## **Pandora Rookwood (Norwood, OH)**

2655 EDMONDSON RD

Norwood, OH 45209

**Client**

Champion Commercial HVAC

# National TAB

Project: Pandora Rookwood (Norwood, OH)

## Table Of Contents

Section	Page #
User Uploaded File	3
AHU/RTU	4
FAN - Exhaust	6

## SUMMARY

Included in this TAB report for Pandora Norwood is TAB data for one rooftop unit, and one restroom ceiling fan. Rooftop units were balanced to within +/-10% by reading air devices with a flow hood and adjusting fan speed via speed controller. Air devices were then balanced to within +/- 10% unless noted and Outdoor air was measured with a velocity matrix at the intake of the rooftop units. Restroom ceiling exhaust fans were read with a flow hood and confirmed to be within +/-10% of design flow.

# National TAB

Project: Pandora Rookwood (Norwood, OH)

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU-1

AREA:TLT 6

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	3822C08732
Model Num	48FCEA05A3A5-0A0A0	48FCEA05A3A5A0A0
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	25X14
Num PreFilter 1	-	2
PreFilter Size 1	-	16X25X2

Motor Data		
	Design	Actual
Motor MFG	-	NOT LISTED
Horsepower	-	NOT LISTED
Motor Rpm	-	NOT LISTED
Phase	3	3
Rated Voltage	208	208
Rated Amperage	5.5	5.1
Service Factor	-	1

Test Data		
	Design	Actual
SF CFM	1600	1627
RA CFM	1280	1292
OA CFM	320	335
RL Voltage	208	209.3/211.5/210.9
RL Amperage	5.5	2.04/2.03/2.05
OA Damper Position	-	14%

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.25"
Fan Suction SP	-	-0.46"
Fan Discharge SP	-	0.49"
Total ESP	1.0	0.74"
Fan Total SP	-	0.95"

Completed By: Tyler Youells

Notes:

# National TAB

Project: Pandora Rookwood (Norwood, OH)

## AHU/RTU



Comfort. Under control.

### Diffuser Supply (GRD)

#### RTU-1/TLT 6

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-1	SALES 9	CD-1	10	200	249	184	92.0
1-2	SALES 9	CD-1	10	200	288	201	100.5
1-3	SALES 9	CD-1	10	200	395	215	107.5
1-4	SALES 9	CD-1	10	200	316	219	109.5
1-5	SALES 9	CD-1	10	200	376	204	102.0
1-6	SALES 9	CD-1	10	200	278	211	105.5
1-7	STOCK 10	CD-1	10	350	320	339	96.9
1-8	TLT 6	CD-2	6	50	79	54	108.0

Completed By: Michael Gabbert on

# National TAB

Project: Pandora Rookwood (Norwood, OH)

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF-1

AREA:TLT 6

Unit Data		
	Design	Actual
<b>MFG</b>	PENNBARRY	PENNBARRY
<b>Model Num</b>	ZT-SC	ZT
<b>Serial Num</b>	-	L22AM17046
<b>Type</b>	CEILING	CEILING

Test Data		
	Design	Actual
<b>CFM</b>	75	81
<b>RL Voltage</b>	-	116.4
<b>RL Amperage</b>	-	0.72

Motor Data		
	Design	Actual
<b>Motor MFG</b>	-	FASCO
<b>Horsepower</b>	60W	NL
<b>Motor Rpm</b>	1135	1400
<b>Phase</b>	1	1
<b>Voltage (rated)</b>	115	115
<b>Amperage (rated)</b>	-	0.74
<b>Service Factor</b>	-	1

Completed By: Tyler Youells

Notes: