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**Report: TEST**

**Function: Test, Adjust, & Balance**

**Date: 04/03/2026**

**Completed By: National TAB**

# **PROJECT**

## **City of Florence Office Reno (Florence, KY)**

8020 Veterans Memorial Dr

Florence, KY 41042

### **Client**

Air Rush Mechanical

157 Indian Creek Dr

Covington, KY 41017

# National TAB

Project: City of Florence Office Reno (Florence, KY)

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# National TAB

Project: City of Florence Office Reno (Florence, KY)

System/Unit: AHU/RTU



Asset: E-RTU-1

AREA:115

Unit Data	
	Actual
MFG	NA
Serial Num	
Model Num	NA
Configuration	
Num OA Filters 1	
OA Filter Size 1	
Num OA Filters 2	
OA Filter Size 2	
Num PreFilter 1	
PreFilter Size 1	
Num PreFilter 2	
PreFilter Size 2	
Num Final Filter 1	
Final Filter Size 1	
Num Final Filter 2	
Final Filter Size 2	

Test Data		
	Design	Actual
SF CFM	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	
RL Voltage	-	
RL Amperage	-	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
Min OA Damper Position	-	
Econo Damper Position	-	
Brake Horse Power	-	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Rated Voltage	
Rated Amperage	
Service Factor	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D.	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

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Project: City of Florence Office Reno (Florence, KY)

## AHU/RTU



**VAV - Single Duct**

**E-RTU-1/115**

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
E-VAV-1-1	NA	NA			1410						
E-VAV-1-5	NA	NA			280						
E-VAV-1-9	NA	NA			540						
VAV-1-2	NA	NA			940		350				
VAV-1-3	NA	NA			690		250				
VAV-1-4	NA	NA			230		90				
VAV-1-6	NA	NA			765		270				

**Diffuser Supply (GRD)**

**E-VAV-1-1/**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-1-1	115	CD-E		235			-
1-1-2	115	CD-E		235			-
1-1-3	115	CD-E		235			-
1-1-4	115	CD-E		235			-
1-1-5	115	CD-E		235			-
1-1-6	115	CD-E		235			-
Total				1410	0	0	0%

**E-VAV-1-5/**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-5-1	113	CD-E		140			-
1-5-2	113	CD-E		140			-
Total				280	0	0	0%

**E-VAV-1-9/**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-9-1	110A	CD-4	8	230			-
1-9-2	RR	CD-E		155			-
1-9-3	RR	CD-E		155			-
Total				540	0	0	0%

**VAV-1-2/**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-2-1	115	CD-E		235			-
1-2-2	115	CD-E		235			-
1-2-3	115	CD-E		235			-
1-2-4	115	CD-4	8	235			-
Total				940	0	0	0%

**VAV-1-3/**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-3-1	107	CD-4	8	230			-
1-3-2	107	CD-4	8	230			-

**VAV-1-3/**

<b>Asset</b>							
<b>Asset Name</b>	<b>Location</b>	<b>Type</b>	<b>Size</b>	<b>DESIGN CFM</b>	<b>CFM(1)</b>	<b>FINAL CFM</b>	<b>% to design</b>
1-3-3	107	CD-4	8	230			-
<b>Total</b>				690	0	0	0%

**VAV-1-4/**

<b>Asset</b>							
<b>Asset Name</b>	<b>Location</b>	<b>Type</b>	<b>Size</b>	<b>DESIGN CFM</b>	<b>CFM(1)</b>	<b>FINAL CFM</b>	<b>% to design</b>
1-4-1	108	CD-4	8	230			-
<b>Total</b>				230	0	0	0%

**VAV-1-6/**

<b>Asset</b>							
<b>Asset Name</b>	<b>Location</b>	<b>Type</b>	<b>Size</b>	<b>DESIGN CFM</b>	<b>CFM(1)</b>	<b>FINAL CFM</b>	<b>% to design</b>
1-6-1	111	CD-4	8	230			-
1-6-2	111A	CD-1	6	75			-
1-6-3	110	CD-4	8	230			-
1-6-4	110	CD-4	8	230			-
<b>Total</b>				765	0	0	0%

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Project: City of Florence Office Reno (Florence, KY)

System/Unit: AHU/RTU



Asset: E-RTU-2

AREA:104

Unit Data	
	Actual
MFG	NA
Serial Num	
Model Num	NA
Configuration	
Num OA Filters 1	
OA Filter Size 1	
Num OA Filters 2	
OA Filter Size 2	
Num PreFilter 1	
PreFilter Size 1	
Num PreFilter 2	
PreFilter Size 2	
Num Final Filter 1	
Final Filter Size 1	
Num Final Filter 2	
Final Filter Size 2	

Test Data		
	Design	Actual
SF CFM	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	
RL Voltage	-	
RL Amperage	-	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
Min OA Damper Position	-	
Econo Damper Position	-	
Brake Horse Power	-	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Rated Voltage	
Rated Amperage	
Service Factor	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D.	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

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Project: City of Florence Office Reno (Florence, KY)

## AHU/RTU



**VAV - Single Duct**

**E-RTU-2/104**

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
E-VAV-2-3	NA	NA			660						
E-VAV-2-4	NA	NA			470						
E-VAV-2-5	NA	NA			470						
VAV-2-1	NA	NA			460		200				
VAV-2-2	NA	NA			690		270				

**Diffuser Supply (GRD)**

**E-VAV-2-3/**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2-3-1	115	CD-E		220			-
2-3-2	115	CD-E		220			-
2-3-3	115	CD-E		220			-
Total				660	0	0	0%

**E-VAV-2-4/**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2-4-1	115	CD-E		235			-
2-4-2	115	CD-E		235			-
Total				470	0	0	0%

**E-VAV-2-5/**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2-5-1	115	CD-E		235			-
2-5-2	115	CD-E		235			-
Total				470	0	0	0%

**VAV-2-1/**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2-1-1	104	CD-4	8	230			-
2-1-2	104	CD-4	8	230			-
Total				460	0	0	0%

**VAV-2-2/**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2-2-1	106	CD-4	8	220			-
2-2-2	105	CD-4	8	220			-
2-2-3	105	CD-4	8	220			-
Total				660	0	0	0%

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Project: City of Florence Office Reno (Florence, KY)

System/Unit: AHU/RTU



Asset: E-RTU-3

AREA:103

Unit Data	
	Actual
MFG	NA
Serial Num	
Model Num	NA
Configuration	
Num OA Filters 1	
OA Filter Size 1	
Num OA Filters 2	
OA Filter Size 2	
Num PreFilter 1	
PreFilter Size 1	
Num PreFilter 2	
PreFilter Size 2	
Num Final Filter 1	
Final Filter Size 1	
Num Final Filter 2	
Final Filter Size 2	

Test Data		
	Design	Actual
SF CFM	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	
RL Voltage	-	
RL Amperage	-	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
Min OA Damper Position	-	
Econo Damper Position	-	
Brake Horse Power	-	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Rated Voltage	
Rated Amperage	
Service Factor	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D.	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

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Project: City of Florence Office Reno (Florence, KY)

## AHU/RTU



**VAV - Single Duct**

**E-RTU-3/103**

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV-3-1	NA	NA			870		315				
VAV-3-2	NA	NA			540		190				
VAV-3-3	NA	NA			460		165				
VAV-3-4	NA	NA			720		255				
VAV-3-5	NA	NA			900		325				

**Diffuser Supply (GRD)**

**VAV-3-1/**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3-1-1	103	CD-4	8	180			-
3-1-2	103	CD-4	8	230			-
3-1-3	104	CD-4	8	230			-
3-1-4	104	CD-4	8	230			-
Total				870	0	0	0%

**VAV-3-2/**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3-2-1	103	CD-4	8	230			-
3-2-2	103	CD-4	8	230			-
Total				460	0	0	0%

**VAV-3-3/**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3-3-1	100	CD-4	8	180			-
3-3-2	100	CD-4	8	180			-
3-3-3	100	CD-4	8	180			-
Total				540	0	0	0%

**VAV-3-4/**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3-4-1	101	CD-4	8	180			-
3-4-2	101	CD-4	8	180			-
3-4-3	101	CD-4	8	180			-
3-4-4	101	CD-4	8	180			-
Total				720	0	0	0%

**VAV-3-5/**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3-5-1	104	CD-4	8	180			-
3-5-2	104	CD-4	8	180			-
3-5-3	104	CD-4	8	180			-
3-5-4	104	CD-4	8	180			-
3-5-5	104	CD-4	8	180			-
Total				900	0	0	0%



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Project: City of Florence Office Reno (Florence, KY)

## System/Unit: FAN - Exhaust



Asset: E-EF-5

AREA:RR

Unit Data	
	Actual
MFG	NA
Model Num	NA
Serial Num	
Type	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Voltage (rated)	
Amperage (rated)	
Service Factor	

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	Actual
CFM	400	
Fan RPM	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	
Brake Horse Power	-	

# National TAB

Project: City of Florence Office Reno (Florence, KY)

## FAN - Exhaust



**Diffuser Ret/Exh (GRD)**

**E-EF-5/RR**

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
E5-1	RR	EG-E		200				-
E5-2	RR	EG-E		200				-
Total				400		0	0	0%