

**Report By:**

Chetu Development  
Test add 11  
Test add 22  
Noida, AL 44444



**Report: Test**

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

**Date: 11/13/2023**

# **PROJECT**

## **CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)**

Test main street1

Noida, CA 28972

### **Client**

Vipul Company

dfghfdgfdg

ggfhghgfhfgdh, AZ 45545

# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

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# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

System/Unit: FAN - Exhaust



Asset: EF-1

AREA:

Unit Data		
	Design	Actual
MFG	PENNBARRY	PENNBARRY
Model Num	FX24BH	FX24BH
Serial Num	-	
Type	-	
Series	-	
Configuration	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	
Service Factor	-	
Efficiency	-	
Power Factor	-	

Drive Data		
	Design	Actual
Motor Sheave MFG	-	
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave MFG	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt MFG	-	
Belt Size	-	
Belt Tension (deflection)	-	
Belt Alignment Verified	-	

Test Data		
	Design	Actual
CFM	-	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	
Fan Inlet SP	-	
Fan Discharge SP	-	
Total Fan SP	-	
Brake Horse Power	-	



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

## FAN - Exhaust



**Diffuser Ret/Exh (GRD)**

EF-1/

Asset												
Asset Name	Model Num	MFG	Type	Size	DESIGN CFM	AK	VEL(1)	CFM(1)	VEL(2)	CFM(2)	FINAL CFM	% to design
E2-1	NA	NA										
E2-2	NA	NA										
E2-3	NA	NA										
E2-4	NA	NA										
E2-5	NA	NA										
E2-6	NA	NA										
E2-7	NA	NA										
E2-8	NA	NA										
E2-9	NA	NA										
E2-10	NA	NA										
Total					0			0		0	0	0%



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

System/Unit: FAN - Exhaust



Asset: EF-2

AREA:

Unit Data		
	Design	Actual
MFG	PENNBARRY	PENNBARRY
Model Num	FX24BH	FX24BH
Serial Num	-	
Type	-	
Series	-	
Configuration	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	
Service Factor	-	
Efficiency	-	
Power Factor	-	

Drive Data		
	Design	Actual
Motor Sheave MFG	-	
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave MFG	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt MFG	-	
Belt Size	-	
Belt Tension (deflection)	-	
Belt Alignment Verified	-	

Test Data		
	Design	Actual
CFM	-	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	
Fan Inlet SP	-	
Fan Discharge SP	-	
Total Fan SP	-	
Brake Horse Power	-	



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

## FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-2/

Asset												
Asset Name	Model Num	MFG	Type	Size	DESIGN CFM	AK	VEL(1)	CFM(1)	VEL(2)	CFM(2)	FINAL CFM	% to design
E1-1	NA	NA										
E1-2	NA	NA										
E1-3	NA	NA										
E1-4	NA	NA										
E1-5	NA	NA										
Total					0			0		0	0	0%



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

System/Unit: FAN - Exhaust



Asset: EF-3

AREA:

Unit Data		
	Design	Actual
MFG	PENNBARRY	PENNBARRY
Model Num	FX24BH	FX24BH
Serial Num	-	
Type	-	
Series	-	
Configuration	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	
Service Factor	-	
Efficiency	-	
Power Factor	-	

Drive Data		
	Design	Actual
Motor Sheave MFG	-	
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave MFG	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt MFG	-	
Belt Size	-	
Belt Tension (deflection)	-	
Belt Alignment Verified	-	

Test Data		
	Design	Actual
CFM	-	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	
Fan Inlet SP	-	
Fan Discharge SP	-	
Total Fan SP	-	
Brake Horse Power	-	



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

## FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-3/

Asset												
Asset Name	Model Num	MFG	Type	Size	DESIGN CFM	AK	VEL(1)	CFM(1)	VEL(2)	CFM(2)	FINAL CFM	% to design
E3-1	NA	NA										
E3-2	NA	NA										
E3-3	NA	NA										
E3-4	NA	NA										
E3-5	NA	NA										
E3-6	NA	NA										
Total					0			0		0	0	0%



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

System/Unit: FAN - Exhaust



Asset: EF-4

AREA:

Unit Data		
	Design	Actual
MFG	PENNBARRY	PENNBARRY
Model Num	FX18BH	FX18BH
Serial Num	-	
Type	-	
Series	-	
Configuration	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	
Service Factor	-	
Efficiency	-	
Power Factor	-	

Drive Data		
	Design	Actual
Motor Sheave MFG	-	
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave MFG	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt MFG	-	
Belt Size	-	
Belt Tension (deflection)	-	
Belt Alignment Verified	-	

Test Data		
	Design	Actual
CFM	-	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	
Fan Inlet SP	-	
Fan Discharge SP	-	
Total Fan SP	-	
Brake Horse Power	-	



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

## System/Unit: FAN - Exhaust



Asset: EF-5

AREA:

Unit Data		
	Design	Actual
MFG	PENNBARRY	PENNBARRY
Model Num	FX12BH	FX12BH
Serial Num	-	
Type	-	
Series	-	
Configuration	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	
Service Factor	-	
Efficiency	-	
Power Factor	-	

Drive Data		
	Design	Actual
Motor Sheave MFG	-	
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave MFG	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt MFG	-	
Belt Size	-	
Belt Tension (deflection)	-	
Belt Alignment Verified	-	

Test Data		
	Design	Actual
CFM	-	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	
Fan Inlet SP	-	
Fan Discharge SP	-	
Total Fan SP	-	
Brake Horse Power	-	



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

## FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-5/

Asset												
Asset Name	Model Num	MFG	Type	Size	DESIGN CFM	AK	VEL(1)	CFM(1)	VEL(2)	CFM(2)	FINAL CFM	% to design
E5-1	NA	NA										
E5-2	NA	NA										
E5-3	NA	NA										
E5-4	NA	NA										
E5-5	NA	NA										
E5-6	NA	NA										
Total					0			0		0	0	0%



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

System/Unit: FAN - Exhaust



Asset: EF-6

AREA:

Unit Data		
	Design	Actual
MFG	PENNBARRY	PENNBARRY
Model Num	FX12BH	FX12BH
Serial Num	-	
Type	-	
Series	-	
Configuration	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	
Service Factor	-	
Efficiency	-	
Power Factor	-	

Drive Data		
	Design	Actual
Motor Sheave MFG	-	
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave MFG	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt MFG	-	
Belt Size	-	
Belt Tension (deflection)	-	
Belt Alignment Verified	-	

Test Data		
	Design	Actual
CFM	-	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	
Fan Inlet SP	-	
Fan Discharge SP	-	
Total Fan SP	-	
Brake Horse Power	-	



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

## FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-6/

Asset												
Asset Name	Model Num	MFG	Type	Size	DESIGN CFM	AK	VEL(1)	CFM(1)	VEL(2)	CFM(2)	FINAL CFM	% to design
E6-1	NA	NA										
E6-2	NA	NA										
E6-3	NA	NA										
E6-4	NA	NA										
Total					0			0		0	0	0%



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

System/Unit: FAN - Exhaust



Asset: EF-7

AREA:

Unit Data		
	Design	Actual
MFG	PENNBARRY	PENNBARRY
Model Num	SX100BC	SX100BC
Serial Num	-	
Type	-	
Series	-	
Configuration	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	
Service Factor	-	
Efficiency	-	
Power Factor	-	

Drive Data		
	Design	Actual
Motor Sheave MFG	-	
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave MFG	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt MFG	-	
Belt Size	-	
Belt Tension (deflection)	-	
Belt Alignment Verified	-	

Test Data		
	Design	Actual
CFM	-	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	
Fan Inlet SP	-	
Fan Discharge SP	-	
Total Fan SP	-	
Brake Horse Power	-	



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

## FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-7/

Asset												
Asset Name	Model Num	MFG	Type	Size	DESIGN CFM	AK	VEL(1)	CFM(1)	VEL(2)	CFM(2)	FINAL CFM	% to design
E6-1	NA	NA										
E6-2	NA	NA										
E6-3	NA	NA										
Total					0			0		0	0	0%



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

System/Unit: FAN - Supply



Asset: MAU-1

AREA:

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	RV-25-12.5I-J	RV-25-12.5I-J
Serial Num	-	
Type	-	
Series	-	
Configuration	-	
Num Filters Size 1	-	
Filter Size 1	-	
Num Filters Size 2	-	
Filter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	
Service Factor	-	
Efficiency	-	
Power Factor	-	

Drive Data		
	Design	Actual
Motor Sheave MFG	-	
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave MFG	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt MFG	-	
Belt Size	-	
Belt Tension (deflection)	-	
Belt Alignment Verified	-	

Test Data		
	Design	Actual
CFM	-	
SF RPM	-	
SF Rotation	-	
Motor RPM	-	
Motor Frequency	-	
SF System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	
Fan Inlet SP	-	
Fan Discharge SP	-	
Freeze Stat Setpt	-	
Total Fan SP	-	
Brake Horse Power	-	
Compressor Lockout Setpt	-	

Combustion Fan Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Phase	-	
Voltage	-	
Amperage	-	

Combustion Gas Duct		
	Design	Actual
Duct Type	-	
Gauge & Material	-	
Size	-	
Minimum Rise:Run	-	
Room properly ventilated	-	
Space pres condition	-	
Flue backdrafts eliminated	-	
Flue Terminates Properly	-	

Gas Heat		
	Design	Actual
BTUH	-	
EAT (db/wb)	-	
LAT (db/wb)	-	
Gas Type	-	
Burner Type	-	
Burner Construction	-	
Input BTUH (rated)	-	
Output BTUH (rated)	-	
Gas Inlet Pres	-	
Gas Low Fire Pres	-	
Gas High Fire Pres	-	
Gas Valve Low Fire CTRL Voltage	-	
Low Fire Temp Rise (F)	-	
Gas Valve High Fire CTRL Voltage	-	
High Fire Temp Rise (F)	-	
Pilot Ignition Status (pass/fail)	-	
Gas Valve Pilot Ignition CTRL Voltage	-	
Flame Proving Switch Type	-	
Flame proof CTRL Voltage	-	
Single or Dual Bank	-	
Staged or Modulating	-	
Heater Operates (y/n)	-	
Combustion Blower Operates (y/n)	-	
Flame Status (pass/fail)	-	
High Limit Temp Cut-off SetPt	-	
Inlet Air Temp SetPt	-	
Discharge Air Temp SetPt	-	
Temp Rise SetPt	-	
Air Flow Switch SP SetPt	-	
Air Flow Switch SP Actual	-	
Air Flow Switch CTRL Voltage	-	
Air Flow Switch Proved (Pass/Fail)	-	
Space Temp SetPt-ON	-	
Space Temp SetPt-OFF	-	
Flame Modulates Properly	-	

Chilled Water Coil		
	Design	Actual
BTUH	-	
EAT (db/wb)	-	
LAT (db/wb)	-	
Coil Size (hxl)	-	
Coil Area	-	
Coil Face Velocity	-	
GPM CIRCUIT 1	-	
Water Inlet Temp (F)	-	
Water Discharge Temp (F)	-	
Water Coil Delta P	-	
GPM CIRCUIT 2	-	
Inlet SP	-	
Discharge SP	-	
Coil Delta SP	-	

Evaporator DX Coil		
	Design	Actual
BTUH	-	
EAT (db/wb)	-	
LAT (db/wb)	-	
Coil Size (hxl)	-	
Coil Area	-	
Coil Face Velocity	-	
Refrigeration Type	-	
Circuit 1 SetPt (F)	-	
Circuit 1 EAT (db/wb)	-	
Circuit 1 LAT (db/wb)	-	
Circuit 2 SetPt (F)	-	
Circuit 2 EAT (db/wb)	-	
Circuit 2 LAT (db/wb)	-	
Inlet SP	-	
Discharge SP	-	
Coil Delta SP	-	

Evaporative Cooler		
	Design	Actual
BTUH	-	
EAT (db/wb)	-	
LAT (db/wb)	-	
EAT SetPt (F)	-	
Filter Media Size (hxl)	-	
Filter Media Area	-	
Filter Media Face Velocity	-	
EWT (F)	-	
LWT (F)	-	
Inlet SP	-	
Discharge SP	-	
Coil Delta SP	-	

Electric Coil		
	Design	Actual
KW	-	
EAT (db/wb)	-	
LAT (db/wb)	-	
BTUH	-	
Coil Size (hxl)	-	
Coil Area	-	
Coil Face Velocity	-	
Voltage	-	
Heat Stage 1 RL (A)	-	
Heat Stage 2 RL (A)	-	
Heat Stage 3 RL (A)	-	
Heat Stage 4 RL (A)	-	
Heat Stage 5 RL (A)	-	
Heat Stage 6 RL (A)	-	
Inlet SP	-	
Discharge SP	-	
Coil Delta SP	-	
High Limit Temp Cut-off SetPt	-	
Temp Rise SetPt	-	
Discharge Temp SetPt	-	
Inlet Air Temp SetPt	-	
Air Flow Switch SP	-	
Air Flow Switch CTRL Voltage	-	
Space Temp SetPt-ON	-	
Space Temp SetPt-OFF	-	
Coil Staging Functional	-	

Hot Water Coil		
	Design	Actual
BTUH	-	
EAT (db/wb)	-	
LAT (db/wb)	-	
Coil Size (hxl)	-	
Coil Area	-	
Coil Face Velocity	-	
GPM CIRCUIT 1	-	
EWT (F)	-	
LWT (F)	-	
Water Coil Delta P	-	
GPM CIRCUIT 2	-	
Inlet SP	-	
Discharge SP	-	
Coil Delta SP	-	

Steam Coil		
	Design	Actual
BTUH	-	
EAT (db/wb)	-	
LAT (db/wb)	-	
Coil Size (hxl)	-	
Coil Area	-	
Coil Face Velocity	-	
Steam Coil-Circuit 1 Delta P	-	
Steam Inlet Temp (F)	-	
Steam Discharge Temp (F)	-	
Steam Coil-Circuit 2 Delta P	-	
Inlet SP	-	
Discharge SP	-	
Coil Delta SP	-	

Compressors		
	Design	Actual
Refrigerant Charge	-	
Refrigerant Type	-	
Comp 1 RLA	-	
Comp 2 RLA	-	
Comp 1 Suction Pres	-	
Comp 2 Suction Pres	-	
Comp 1 Discharge Pres	-	
Comp 2 Discharge Pres	-	
Circuit 1 Superheat	-	
Circuit 2 Superheat	-	
Comp 1 Liquid Line Temp	-	
Comp 2 Liquid Line Temp	-	
Circuit 1 SubCooling	-	
Circuit 2 SubCooling	-	

General		
	Design	Actual
Unit free of Damage	-	
Unit Completely Assembled	-	
Unit Leveled	-	
Curb & Unit Installed Air Tight	-	
Controls Complete	-	
Fan Rotation Correct	-	
Fan Belt Condition	-	
Unit Filters Clean	-	
Evap Coil Clean	-	
Evap Coil Free of Frost	-	
Condensor Coil Clean	-	
Condensor Fins Straight	-	
Refrigerant Sight Glass Dry	-	
Condensate Drain Installed	-	
Crankcase Heaters Operate	-	

<b>Condensor DX Coil</b>		
	<b>Design</b>	<b>Actual</b>
<b>BTUH</b>	-	
<b>EAT (db/wb)</b>	-	
<b>LAT (db/wb)</b>	-	
<b>Coil Size (hxl)</b>	-	
<b>Coil Area</b>	-	
<b>Coil Face Velocity</b>	-	
<b>Refrigeration Type</b>	-	
<b>Circuit 1 SetPt (F)</b>	-	
<b>CIRCUIT 1 EAT (db/wb)</b>	-	
<b>CIRCUIT 1 LAT (db/wb)</b>	-	
<b>Circuit 2 SetPt (F)</b>	-	
<b>CIRCUIT 2 EAT (db/wb)</b>	-	
<b>CIRCUIT 2 LAT (db/wb)</b>	-	

<b>Condensor Fan</b>		
	<b>Design</b>	<b>Actual</b>
<b>Fan Alignment</b>	-	
<b>Fan Rotation</b>	-	
<b>Fan 1 Motor RLA</b>	-	
<b>Fan 1 Motor RLV</b>	-	
<b>Fan 2 Motor RLA</b>	-	
<b>Fan 2 Motor RLV</b>	-	



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	6030 ND-2	6030 ND-2
Job / Serial Num	-	
Type	-	
Hood length	-	
Hood Width	-	
Hood Height	-	
Num of EXH Risers	-	
EXH Riser size 1	-	
EXH Riser Size 2	-	
Num of Supply Risers	-	
Supply Riser Size	-	
Supply Plenum Type	-	
Supply Plenum Width	-	
Supply Plenum Length	-	

Test Data Exhaust		
	Design	Actual
Filter Type	-	
Filter Size 1	-	
Filter Size 2	-	
Filter Qty 1	-	
Filter Qty 2	-	
Filter AK factor size 1	-	
Filters AK factor size 2	-	
Filter Total AK Area	-	
Kv factor (Vel)	-	
Plenum SP	-	
Riser SP	-	
Filter1 FPM	-	
Filter2 FPM	-	
Filter3 FPM	-	
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter High FPM(corr)	-	
Filter Low FPM (corr)	-	
Filter Ave FPM(corr)	-	
CFM	-	

Test Data Supply		
	Design	Actual
Plenum SP	-	
AK factor	-	
Total AK Area	-	
Kv factor (Vel)	-	
Num of Readings	-	
Reading1 FPM	-	
Reading2 FPM	-	
Reading3 FPM	-	
Reading4 FPM	-	
Reading5 FPM	-	
Reading6 FPM	-	
Reading7 FPM	-	
Reading8 FPM	-	
Reading9 FPM	-	
Reading10 FPM	-	
Reading11 FPM	-	
Reading12 FPM	-	
Reading13 FPM	-	
Reading14 FPM	-	
High FPM(corr)	-	
Low FPM(corr)	-	
Ave FPM(corr)	-	
CFM	-	

Cooking Equipment		
	Design	Actual
Item 1	-	
Item 2	-	
Item 3	-	
Item 4	-	
Item 5	-	
Item 6	-	
Item 7	-	
Item 8	-	
Item 9	-	
Item 10	-	

Performance Data		
	Design	Actual
Exh-Supply Net CFM	-	
Smoke Generation Type	-	
Cooking Equip Heat On	-	
Hood Capture %	-	
Smoke Capture @ Equip Surface %	-	
Smoke Capture @ Perim of Hood %	-	
Heat Loss (Box Shadow) %	-	
Rated Heat of Equip	-	
Supply Re-Entrainment %	-	
Exh Riser1 Pos (Left End)	-	
Exh Riser2 Pos (Right End)	-	
End Panels Installed (Y/N)	-	
Space Offset Temp Riser 1	-	
Heat Sensor High SetPt Riser 1	-	
Space Offset Temp Riser 2	-	
Heat Sensor High SetPt Riser 2	-	
Space Offset Temp Riser 3	-	
Heat Sensor High SetPt Riser 3	-	
Space Offset Temp Riser 4	-	
Heat Sensor High SetPt Riser 4	-	
Riser Temp F (idle) Riser 1	-	
Riser Temp F (idle) Riser 2	-	
Riser Temp F (idle) Riser 3	-	
Riser Temp F (idle) Riser 4	-	
Ambient Room Temp	-	
100% override functional	-	
electronic Gas Valve shut- off f(x)	-	

General		
	Design	Actual
Third Party Witness	-	
Third Party Company	-	
Tech Witness	-	
Tech Company	-	
Code Official Witness	-	
Jurisdiction	-	
Service/Startup Performed By	-	



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

## System/Unit: AHU-DUAL FAN



Asset: RTU-1

AREA:

UNIT DATA - SUPPLY		
	Design	Actual
Manufacturer	TRANE	TRANE
Model Number	SFHLLF554M	SFHLLF554M
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Final Filters / Size (1)	-	
No. Final Filters / Size (2)	-	
No. Final Filters / Size (3)	-	

UNIT DATA - EXHAUST/RETURN		
	Design	Actual
Manufacturer	-	
Model Number	-	
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Pre-Filters / Size (4)	-	
No. Pre-Filters / Size (5)	-	
No. Pre-Filters / Size (6)	-	

MOTOR DATA - SUPPLY		
	Design	Actual
Motor MFG / Frame	-	
Horsepower / RPM	-	
Rated Volts / Phase	-	
Rated Amperage / SF	-	

MOTOR DATA - EXHAUST/RETURN		
	Design	Actual
Motor MFG / FRAME	-	
Horsepower / RPM	-	
Rated Volts / Phase	-	
Rated Amperage / SF	-	

DRIVE DATA - SUPPLY		
	Design	Actual
Motor Sheave Size / Bore	-	
Fan Sheave Size / Bore	-	
Belt CL Distance	-	
No. Belts / Size	-	

DRIVE DATA - EXHAUST/RETURN		
	Design	Actual
Motor Sheave Size / Bore	-	
Fan Sheave Size / Bore	-	
Belt CL Distance	-	
No. Belts / Size	-	

TEST DATA - SUPPLY		
	Design	Actual
Total CFM	-	
OA CFM	-	
Fan RPM	-	
VFD Speed	-	
RL Voltage	-	
RL Amperage	-	
Motor B.H.P.	-	

TEST DATA - EXHAUST/RETURN		
	Design	Actual
Total CFM	-	
Fan RPM	-	
VFD Speed	-	
RL Voltage	-	
RL Amperage	-	
Motor B.H.P.	-	

PERFORMANCE DATA - SUPPLY		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	-	
Reheat Coil P.D.	-	
DX Coil P.D.	-	
Condenser Coil P.D.	-	
Chilled Water Coil P.D.	-	
Pre Heat Coil P.D.	-	
Final Filters P.D.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Air Blender P.D.	-	
Total ESP	-	

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	-	



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

## AHU-DUAL FAN



VAV - Single Duct

RTU-1/

Asset	MFG	Model Num	Serial Num	Design Service	Service	Type	Inlet Size
VRH 1-1	TRANE	VCEF08					
	<b>Design Max CF<sub>M</sub></b>	<b>Max CFM</b>	<b>Design Min CFM</b>	<b>Min CFM</b>	<b>Design Heat CF<sub>M</sub></b>	<b>Heat CFM</b>	<b>Ak (max)</b>
	<b>Ak (min)</b>	<b>Ak (heat)</b>	<b>Damper SetPt</b>	<b>Diversity Test 1</b>	<b>Diversity Test 2</b>	<b>Design EAT (F - db/wb)</b>	<b>EAT (F - db/wb)</b>
	<b>Design LAT (F - db/wb)</b>	<b>LAT (F - db/wb)</b>	<b>Inlet SP</b>	<b>Discharge SP</b>			
VRH 1-2	TRANE	VCEF10					
	<b>Design Max CF<sub>M</sub></b>	<b>Max CFM</b>	<b>Design Min CFM</b>	<b>Min CFM</b>	<b>Design Heat CF<sub>M</sub></b>	<b>Heat CFM</b>	<b>Ak (max)</b>
	<b>Ak (min)</b>	<b>Ak (heat)</b>	<b>Damper SetPt</b>	<b>Diversity Test 1</b>	<b>Diversity Test 2</b>	<b>Design EAT (F - db/wb)</b>	<b>EAT (F - db/wb)</b>
	<b>Design LAT (F - db/wb)</b>	<b>LAT (F - db/wb)</b>	<b>Inlet SP</b>	<b>Discharge SP</b>			
VRH 1-3	TRANE	VCEF10					
	<b>Design Max CF<sub>M</sub></b>	<b>Max CFM</b>	<b>Design Min CFM</b>	<b>Min CFM</b>	<b>Design Heat CF<sub>M</sub></b>	<b>Heat CFM</b>	<b>Ak (max)</b>
	<b>Ak (min)</b>	<b>Ak (heat)</b>	<b>Damper SetPt</b>	<b>Diversity Test 1</b>	<b>Diversity Test 2</b>	<b>Design EAT (F - db/wb)</b>	<b>EAT (F - db/wb)</b>
	<b>Design LAT (F - db/wb)</b>	<b>LAT (F - db/wb)</b>	<b>Inlet SP</b>	<b>Discharge SP</b>			
VRH 1-4	TRANE	VCEF08					
	<b>Design Max CF<sub>M</sub></b>	<b>Max CFM</b>	<b>Design Min CFM</b>	<b>Min CFM</b>	<b>Design Heat CF<sub>M</sub></b>	<b>Heat CFM</b>	<b>Ak (max)</b>
	<b>Ak (min)</b>	<b>Ak (heat)</b>	<b>Damper SetPt</b>	<b>Diversity Test 1</b>	<b>Diversity Test 2</b>	<b>Design EAT (F - db/wb)</b>	<b>EAT (F - db/wb)</b>
	<b>Design LAT (F - db/wb)</b>	<b>LAT (F - db/wb)</b>	<b>Inlet SP</b>	<b>Discharge SP</b>			
VRH 1-5	TRANE	VCEF08					

	<b>Design Max CFM</b>	<b>Max CFM</b>	<b>Design Min CFM</b>	<b>Min CFM</b>	<b>Design Heat CFM</b>	<b>Heat CFM</b>	<b>Ak (max)</b>
	<b>Ak (min)</b>	<b>Ak (heat)</b>	<b>Damper SetPt</b>	<b>Diversity Test 1</b>	<b>Diversity Test 2</b>	<b>Design EAT (F - db/wb)</b>	<b>EAT (F - db/wb)</b>
	<b>Design LAT (F - db/wb)</b>	<b>LAT (F - db/wb)</b>	<b>Inlet SP</b>	<b>Discharge SP</b>			
VRH 1-6	<b>MFG</b>	<b>Model Num</b>	<b>Serial Num</b>	<b>Design Service</b>	<b>Service</b>	<b>Type</b>	<b>Inlet Size</b>
	TRANE	VCEF08					
	<b>Design Max CFM</b>	<b>Max CFM</b>	<b>Design Min CFM</b>	<b>Min CFM</b>	<b>Design Heat CFM</b>	<b>Heat CFM</b>	<b>Ak (max)</b>
	<b>Ak (min)</b>	<b>Ak (heat)</b>	<b>Damper SetPt</b>	<b>Diversity Test 1</b>	<b>Diversity Test 2</b>	<b>Design EAT (F - db/wb)</b>	<b>EAT (F - db/wb)</b>
	<b>Design LAT (F - db/wb)</b>	<b>LAT (F - db/wb)</b>	<b>Inlet SP</b>	<b>Discharge SP</b>			
VRH 1-7	<b>MFG</b>	<b>Model Num</b>	<b>Serial Num</b>	<b>Design Service</b>	<b>Service</b>	<b>Type</b>	<b>Inlet Size</b>
	TRANE	VCEF08					
	<b>Design Max CFM</b>	<b>Max CFM</b>	<b>Design Min CFM</b>	<b>Min CFM</b>	<b>Design Heat CFM</b>	<b>Heat CFM</b>	<b>Ak (max)</b>
	<b>Ak (min)</b>	<b>Ak (heat)</b>	<b>Damper SetPt</b>	<b>Diversity Test 1</b>	<b>Diversity Test 2</b>	<b>Design EAT (F - db/wb)</b>	<b>EAT (F - db/wb)</b>
	<b>Design LAT (F - db/wb)</b>	<b>LAT (F - db/wb)</b>	<b>Inlet SP</b>	<b>Discharge SP</b>			
VRH 1-8	<b>MFG</b>	<b>Model Num</b>	<b>Serial Num</b>	<b>Design Service</b>	<b>Service</b>	<b>Type</b>	<b>Inlet Size</b>
	TRANE	VCEF08					
	<b>Design Max CFM</b>	<b>Max CFM</b>	<b>Design Min CFM</b>	<b>Min CFM</b>	<b>Design Heat CFM</b>	<b>Heat CFM</b>	<b>Ak (max)</b>
	<b>Ak (min)</b>	<b>Ak (heat)</b>	<b>Damper SetPt</b>	<b>Diversity Test 1</b>	<b>Diversity Test 2</b>	<b>Design EAT (F - db/wb)</b>	<b>EAT (F - db/wb)</b>
	<b>Design LAT (F - db/wb)</b>	<b>LAT (F - db/wb)</b>	<b>Inlet SP</b>	<b>Discharge SP</b>			
VRH 1-9	<b>MFG</b>	<b>Model Num</b>	<b>Serial Num</b>	<b>Design Service</b>	<b>Service</b>	<b>Type</b>	<b>Inlet Size</b>
	TRANE	VCEF08					
	<b>Design Max CFM</b>	<b>Max CFM</b>	<b>Design Min CFM</b>	<b>Min CFM</b>	<b>Design Heat CFM</b>	<b>Heat CFM</b>	<b>Ak (max)</b>
	<b>Ak (min)</b>	<b>Ak (heat)</b>	<b>Damper SetPt</b>	<b>Diversity Test 1</b>	<b>Diversity Test 2</b>	<b>Design EAT (F - db/wb)</b>	<b>EAT (F - db/wb)</b>
	<b>Design LAT (F - db/wb)</b>	<b>LAT (F - db/wb)</b>	<b>Inlet SP</b>	<b>Discharge SP</b>			
VRH 1-10	<b>MFG</b>	<b>Model Num</b>	<b>Serial Num</b>	<b>Design Service</b>	<b>Service</b>	<b>Type</b>	<b>Inlet Size</b>
	TRANE	VCEF08					
	<b>Design Max CFM</b>	<b>Max CFM</b>	<b>Design Min CFM</b>	<b>Min CFM</b>	<b>Design Heat CFM</b>	<b>Heat CFM</b>	<b>Ak (max)</b>
	<b>Ak (min)</b>	<b>Ak (heat)</b>	<b>Damper SetPt</b>	<b>Diversity Test 1</b>	<b>Diversity Test 2</b>	<b>Design EAT (F - db/wb)</b>	<b>EAT (F - db/wb)</b>

	Design LAT (F - db/wb)	LAT (F - db/wb)	Inlet SP	Discharge SP			

**Diffuser Ret/Exh (GRD)**

**RTU-1/**

Asset												
Asset Name	Model Num	MFG	Type	Size	DESIGN CFM	AK	VEL(1)	CFM(1)	VEL(2)	CFM(2)	FINAL CFM	% to design
R1-1	NA	NA										
R1-2	NA	NA										
R1-3	NA	NA										
R1-4	NA	NA										
R1-5	NA	NA										
Total					0			0		0	0	0%

**Diffuser Supply (GRD)**

**VRH 1-1/**

Asset				
Asset Name	Location	a7	FINAL CFM	% to design
1-01-1				
1-01-2				
1-01-3				
Total			0	

**VRH 1-2/**

Asset				
Asset Name	Location	a7	FINAL CFM	% to design
1-02-1				
1-02-2				
Total			0	

**VRH 1-3/**

Asset				
Asset Name	Location	a7	FINAL CFM	% to design
1-03-1				
1-03-2				
1-03-3				
1-03-4				
Total			0	

**VRH 1-4/**

Asset				
Asset Name	Location	a7	FINAL CFM	% to design
1-04-1				
1-04-2				
Total			0	

**VRH 1-5/**

Asset				
Asset Name	Location	a7	FINAL CFM	% to design
1-05-1				
1-05-2				
1-05-3				
1-05-4				
Total			0	

**VRH 1-6/**

<b>Asset</b>				
<b>Asset Name</b>	<b>Location</b>	<b>a7</b>	<b>FINAL CFM</b>	<b>% to design</b>
1-06-1				
1-06-2				
1-06-3				
Total			0	

**VRH 1-7/**

<b>Asset</b>				
<b>Asset Name</b>	<b>Location</b>	<b>a7</b>	<b>FINAL CFM</b>	<b>% to design</b>
1-07-1				
1-07-2				
1-07-3				
Total			0	

**VRH 1-8/**

<b>Asset</b>				
<b>Asset Name</b>	<b>Location</b>	<b>a7</b>	<b>FINAL CFM</b>	<b>% to design</b>
1-08-1				
1-08-2				
1-08-3				
1-08-4				
Total			0	

**VRH 1-9/**

<b>Asset</b>				
<b>Asset Name</b>	<b>Location</b>	<b>a7</b>	<b>FINAL CFM</b>	<b>% to design</b>
1-09-1				
1-09-2				
Total			0	

**VRH 1-10/**

<b>Asset</b>				
<b>Asset Name</b>	<b>Location</b>	<b>a7</b>	<b>FINAL CFM</b>	<b>% to design</b>
1-10-1				
1-10-2				
1-10-3				
Total			0	



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

## System/Unit: AHU-DUAL FAN



Asset: RTU-2

AREA:

UNIT DATA - SUPPLY		
	Design	Actual
Manufacturer	TRANE	TRANE
Model Number	SFHLLF704M	SFHLLF704M
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Final Filters / Size (1)	-	
No. Final Filters / Size (2)	-	
No. Final Filters / Size (3)	-	

UNIT DATA - EXHAUST/RETURN		
	Design	Actual
Manufacturer	-	
Model Number	-	
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Pre-Filters / Size (4)	-	
No. Pre-Filters / Size (5)	-	
No. Pre-Filters / Size (6)	-	

MOTOR DATA - SUPPLY		
	Design	Actual
Motor MFG / Frame	-	
Horsepower / RPM	-	
Rated Volts / Phase	-	
Rated Amperage / SF	-	

MOTOR DATA - EXHAUST/RETURN		
	Design	Actual
Motor MFG / FRAME	-	
Horsepower / RPM	-	
Rated Volts / Phase	-	
Rated Amperage / SF	-	

DRIVE DATA - SUPPLY		
	Design	Actual
Motor Sheave Size / Bore	-	
Fan Sheave Size / Bore	-	
Belt CL Distance	-	
No. Belts / Size	-	

DRIVE DATA - EXHAUST/RETURN		
	Design	Actual
Motor Sheave Size / Bore	-	
Fan Sheave Size / Bore	-	
Belt CL Distance	-	
No. Belts / Size	-	

TEST DATA - SUPPLY		
	Design	Actual
Total CFM	-	
OA CFM	-	
Fan RPM	-	
VFD Speed	-	
RL Voltage	-	
RL Amperage	-	
Motor B.H.P.	-	

TEST DATA - EXHAUST/RETURN		
	Design	Actual
Total CFM	-	
Fan RPM	-	
VFD Speed	-	
RL Voltage	-	
RL Amperage	-	
Motor B.H.P.	-	

PERFORMANCE DATA - SUPPLY		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	-	
Reheat Coil P.D.	-	
DX Coil P.D.	-	
Condenser Coil P.D.	-	
Chilled Water Coil P.D.	-	
Pre Heat Coil P.D.	-	
Final Filters P.D.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Air Blender P.D.	-	
Total ESP	-	

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	-	



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

## AHU-DUAL FAN



VAV - Single Duct

RTU-2/

Asset	MFG	Model Num	Serial Num	Design Service	Service	Type	Inlet Size
VRH 2-1	TRANE	VCEF16					
	<b>Design Max CF<sub>M</sub></b>	<b>Max CFM</b>	<b>Design Min CFM</b>	<b>Min CFM</b>	<b>Design Heat CF<sub>M</sub></b>	<b>Heat CFM</b>	<b>Ak (max)</b>
	<b>Ak (min)</b>	<b>Ak (heat)</b>	<b>Damper SetPt</b>	<b>Diversity Test 1</b>	<b>Diversity Test 2</b>	<b>Design EAT (F - db/wb)</b>	<b>EAT (F - db/wb)</b>
	<b>Design LAT (F - db/wb)</b>	<b>LAT (F - db/wb)</b>	<b>Inlet SP</b>	<b>Discharge SP</b>			
VRH 2-2	TRANE	VCEF10					
	<b>Design Max CF<sub>M</sub></b>	<b>Max CFM</b>	<b>Design Min CFM</b>	<b>Min CFM</b>	<b>Design Heat CF<sub>M</sub></b>	<b>Heat CFM</b>	<b>Ak (max)</b>
	<b>Ak (min)</b>	<b>Ak (heat)</b>	<b>Damper SetPt</b>	<b>Diversity Test 1</b>	<b>Diversity Test 2</b>	<b>Design EAT (F - db/wb)</b>	<b>EAT (F - db/wb)</b>
	<b>Design LAT (F - db/wb)</b>	<b>LAT (F - db/wb)</b>	<b>Inlet SP</b>	<b>Discharge SP</b>			
VRH 2-3	TRANE	VCEF08					
	<b>Design Max CF<sub>M</sub></b>	<b>Max CFM</b>	<b>Design Min CFM</b>	<b>Min CFM</b>	<b>Design Heat CF<sub>M</sub></b>	<b>Heat CFM</b>	<b>Ak (max)</b>
	<b>Ak (min)</b>	<b>Ak (heat)</b>	<b>Damper SetPt</b>	<b>Diversity Test 1</b>	<b>Diversity Test 2</b>	<b>Design EAT (F - db/wb)</b>	<b>EAT (F - db/wb)</b>
	<b>Design LAT (F - db/wb)</b>	<b>LAT (F - db/wb)</b>	<b>Inlet SP</b>	<b>Discharge SP</b>			
VRH 2-4	TRANE	VCEF06					
	<b>Design Max CF<sub>M</sub></b>	<b>Max CFM</b>	<b>Design Min CFM</b>	<b>Min CFM</b>	<b>Design Heat CF<sub>M</sub></b>	<b>Heat CFM</b>	<b>Ak (max)</b>
	<b>Ak (min)</b>	<b>Ak (heat)</b>	<b>Damper SetPt</b>	<b>Diversity Test 1</b>	<b>Diversity Test 2</b>	<b>Design EAT (F - db/wb)</b>	<b>EAT (F - db/wb)</b>
	<b>Design LAT (F - db/wb)</b>	<b>LAT (F - db/wb)</b>	<b>Inlet SP</b>	<b>Discharge SP</b>			

Diffuser Ret/Exh (GRD)

**RTU-2/**

<b>Asset</b>												
<b>Asset Name</b>	<b>Model Num</b>	<b>MFG</b>	<b>Type</b>	<b>Size</b>	<b>DESIGN CFM</b>	<b>AK</b>	<b>VEL(1)</b>	<b>CFM(1)</b>	<b>VEL(2)</b>	<b>CFM(2)</b>	<b>FINAL CFM</b>	<b>% to design</b>
R2-1	NA	NA										
R2-2	NA	NA										
R2-3	NA	NA										
R2-4	NA	NA										
R2-5	NA	NA										
Total					0			0		0	0	0%

**Diffuser Supply (GRD)****VRH 2-1/**

<b>Asset</b>				
<b>Asset Name</b>	<b>Location</b>	<b>a7</b>	<b>FINAL CFM</b>	<b>% to design</b>
2-01-1				
2-01-2				
Total			0	

**VRH 2-2/**

<b>Asset</b>				
<b>Asset Name</b>	<b>Location</b>	<b>a7</b>	<b>FINAL CFM</b>	<b>% to design</b>
2-02-1				
2-02-2				
2-02-3				
Total			0	

**VRH 2-3/**

<b>Asset</b>				
<b>Asset Name</b>	<b>Location</b>	<b>a7</b>	<b>FINAL CFM</b>	<b>% to design</b>
2-03-1				
2-03-2				
2-03-4				
2-03-5				
V2-03-3				
Total			0	

**VRH 2-4/**

<b>Asset</b>				
<b>Asset Name</b>	<b>Location</b>	<b>a7</b>	<b>FINAL CFM</b>	<b>% to design</b>
2-04-1				
2-04-2				
2-04-3				
Total			0	



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

## System/Unit: AHU-DUAL FAN



Asset: RTU-3

AREA:

UNIT DATA - SUPPLY		
	Design	Actual
Manufacturer	TRANE	TRANE
Model Number	SFHLLF604M	SFHLLF604M
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Final Filters / Size (1)	-	
No. Final Filters / Size (2)	-	
No. Final Filters / Size (3)	-	

MOTOR DATA - SUPPLY		
	Design	Actual
Motor MFG / Frame	-	
Horsepower / RPM	-	
Rated Volts / Phase	-	
Rated Amperage / SF	-	

DRIVE DATA - SUPPLY		
	Design	Actual
Motor Sheave Size / Bore	-	
Fan Sheave Size / Bore	-	
Belt CL Distance	-	
No. Belts / Size	-	

TEST DATA - SUPPLY		
	Design	Actual
Total CFM	-	
OA CFM	-	
Fan RPM	-	
VFD Speed	-	
RL Voltage	-	
RL Amperage	-	
Motor B.H.P.	-	

PERFORMANCE DATA - SUPPLY		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	-	
Reheat Coil P.D.	-	
DX Coil P.D.	-	
Condenser Coil P.D.	-	
Chilled Water Coil P.D.	-	
Pre Heat Coil P.D.	-	
Final Filters P.D.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Air Blender P.D.	-	
Total ESP	-	

UNIT DATA - EXHAUST/RETURN		
	Design	Actual
Manufacturer	-	
Model Number	-	
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Pre-Filters / Size (4)	-	
No. Pre-Filters / Size (5)	-	
No. Pre-Filters / Size (6)	-	

MOTOR DATA - EXHAUST/RETURN		
	Design	Actual
Motor MFG / FRAME	-	
Horsepower / RPM	-	
Rated Volts / Phase	-	
Rated Amperage / SF	-	

DRIVE DATA - EXHAUST/RETURN		
	Design	Actual
Motor Sheave Size / Bore	-	
Fan Sheave Size / Bore	-	
Belt CL Distance	-	
No. Belts / Size	-	

TEST DATA - EXHAUST/RETURN		
	Design	Actual
Total CFM	-	
Fan RPM	-	
VFD Speed	-	
RL Voltage	-	
RL Amperage	-	
Motor B.H.P.	-	

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	-	



# Chetu Development

Project: CINCINNATI REHAB HOSPITAL (BLUE ASH, OH)

## AHU-DUAL FAN



VAV - Single Duct

RTU-3/

Asset	MFG	Model Num	Serial Num	Design Service	Service	Type	Inlet Size
VRH 3-1	TRANE	VCEF16					
	<b>Design Max CF<sub>M</sub></b>	<b>Max CFM</b>	<b>Design Min CFM</b>	<b>Min CFM</b>	<b>Design Heat CF<sub>M</sub></b>	<b>Heat CFM</b>	<b>Ak (max)</b>
	<b>Ak (min)</b>	<b>Ak (heat)</b>	<b>Damper SetPt</b>	<b>Diversity Test 1</b>	<b>Diversity Test 2</b>	<b>Design EAT (F - db/wb)</b>	<b>EAT (F - db/wb)</b>
	<b>Design LAT (F - db/wb)</b>	<b>LAT (F - db/wb)</b>	<b>Inlet SP</b>	<b>Discharge SP</b>			
VRH 3-2	TRANE	VCEF10					
	<b>Design Max CF<sub>M</sub></b>	<b>Max CFM</b>	<b>Design Min CFM</b>	<b>Min CFM</b>	<b>Design Heat CF<sub>M</sub></b>	<b>Heat CFM</b>	<b>Ak (max)</b>
	<b>Ak (min)</b>	<b>Ak (heat)</b>	<b>Damper SetPt</b>	<b>Diversity Test 1</b>	<b>Diversity Test 2</b>	<b>Design EAT (F - db/wb)</b>	<b>EAT (F - db/wb)</b>
	<b>Design LAT (F - db/wb)</b>	<b>LAT (F - db/wb)</b>	<b>Inlet SP</b>	<b>Discharge SP</b>			
VRH 3-3	TRANE	VCEF12					
	<b>Design Max CF<sub>M</sub></b>	<b>Max CFM</b>	<b>Design Min CFM</b>	<b>Min CFM</b>	<b>Design Heat CF<sub>M</sub></b>	<b>Heat CFM</b>	<b>Ak (max)</b>
	<b>Ak (min)</b>	<b>Ak (heat)</b>	<b>Damper SetPt</b>	<b>Diversity Test 1</b>	<b>Diversity Test 2</b>	<b>Design EAT (F - db/wb)</b>	<b>EAT (F - db/wb)</b>
	<b>Design LAT (F - db/wb)</b>	<b>LAT (F - db/wb)</b>	<b>Inlet SP</b>	<b>Discharge SP</b>			
VRH 3-4	TRANE	VCEF06					
	<b>Design Max CF<sub>M</sub></b>	<b>Max CFM</b>	<b>Design Min CFM</b>	<b>Min CFM</b>	<b>Design Heat CF<sub>M</sub></b>	<b>Heat CFM</b>	<b>Ak (max)</b>
	<b>Ak (min)</b>	<b>Ak (heat)</b>	<b>Damper SetPt</b>	<b>Diversity Test 1</b>	<b>Diversity Test 2</b>	<b>Design EAT (F - db/wb)</b>	<b>EAT (F - db/wb)</b>
	<b>Design LAT (F - db/wb)</b>	<b>LAT (F - db/wb)</b>	<b>Inlet SP</b>	<b>Discharge SP</b>			

Diffuser Ret/Exh (GRD)

**RTU-3/**

<b>Asset</b>												
<b>Asset Name</b>	<b>Model Num</b>	<b>MFG</b>	<b>Type</b>	<b>Size</b>	<b>DESIGN CFM</b>	<b>AK</b>	<b>VEL(1)</b>	<b>CFM(1)</b>	<b>VEL(2)</b>	<b>CFM(2)</b>	<b>FINAL CFM</b>	<b>% to design</b>
R3-1	NA	NA										
R3-2	NA	NA										
R3-3	NA	NA										
R3-4	NA	NA										
R3-5	NA	NA										
R3-6	NA	NA										
R3-7	NA	NA										
<b>Total</b>					0			0		0	0	0%

**Diffuser Supply (GRD)**

**VRH 3-1/**

<b>Asset</b>				
<b>Asset Name</b>	<b>Location</b>	<b>a7</b>	<b>FINAL CFM</b>	<b>% to design</b>
3-01-1				
3-01-2				
3-01-3				
3-01-4				
<b>Total</b>			0	

**VRH 3-2/**

<b>Asset</b>				
<b>Asset Name</b>	<b>Location</b>	<b>a7</b>	<b>FINAL CFM</b>	<b>% to design</b>
3-02-1				
3-02-2				
<b>Total</b>			0	

**VRH 3-3/**

<b>Asset</b>				
<b>Asset Name</b>	<b>Location</b>	<b>a7</b>	<b>FINAL CFM</b>	<b>% to design</b>
3-03-1				
3-03-2				
3-03-3				
<b>Total</b>			0	

**VRH 3-4/**

<b>Asset</b>				
<b>Asset Name</b>	<b>Location</b>	<b>a7</b>	<b>FINAL CFM</b>	<b>% to design</b>
3-04-1				
3-04-2				
<b>Total</b>			0	