Report By:

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

NATIONAL TAB

Comfort. Under control.

Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 6/15/2022

PROJECT

Beta Tutorial Test Project

1 Main street

Kansas City, MO 64110

Client

101 Construction Company, Inc. 1
761 Old Hickory Blvd. Suite 104
Noida 1

Brentwood, TN 37 027

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Project: Beta Tutorial Test Project

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Project: Beta Tutorial Test Project

System/Unit: AHU/RTU

Asset: AHU1 AREA:

Unit Data		
	Design	**Actual**
MFG	TRANE	TRANE
Serial Num	-	1234
Model Num	YCD	YCD
Configuration	-	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num PreFilter 1	-	
PreFilter Size 1	-	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Rated Voltage	-	
Rated Amperage	-	

Test Data		
	Design	**Actual**
SF CFM	-	
RA CFM	-	
OA CFM	-	
RL Voltage	-	
RL Amperage	-	
OA Damper Position	-	

Performance Data		
	Design	**Actual**
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	

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AHU/RTU

Diffuser Supply (GRD)

AHU1/

Asset							
AHU1-SGRD1	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
				100			
	FINAL CFM	% to design					
	101	101.0					
AHU1-SGRD2	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
				200			
	FINAL CFM	% to design					
	215	107.5					
AHU1-SGRD3	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
				300			
	FINAL CFM	% to design					
		-					
AHU1-SGRD4	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
				100			
	FINAL CFM	% to design					
		-					
AHU1-SGRD5	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
				200			
	FINAL CFM	% to design					
		-					
AHU1-SGRD6	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
				300			
	FINAL CFM	% to design					
		-					
AHU1-SGRD7	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
				100			
	FINAL CFM	% to design					
		-					
AHU1-SGRD8	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
	FINAL CFM	% to design					
AHU1-SGRD9	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
	FINAL CFM	% to design					
AHU1-SGRD10	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
	FINAL CFM	% to design					

Diffuser Ret/Exh (GRD)

AHU1/

Asset							
AHU1-EGRD1	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
	FINAL CFM	% to design					
AHU1-EGRD2	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
	FINAL CFM	% to design					

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Asset	Notes

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Project: Beta Tutorial Test Project

System/Unit: AHU/RTU

Asset: AHU1 AREA:

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	YCD	YCD
Type	-	
Configuration	-	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Rated Voltage	-	
Rated Amperage	-	

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

Electrical		
	Design	Actual
VFD Min Setpt	-	
VFD Max Setpt	-	

Test Data		
	Design	Actual
SF CFM	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
SA Temp (db/wb)	-	

General		
	Design	Actual
Fan Rotation Correct	-	
Unit Filters Clean	-	

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AHU/RTU

VAV - Single Duct

AHU1/

Asset							
AHU1-VAV1	MFG	Model Num	Type	Size	Design Max CFM	Max CFM	Design Min CFM
	NA	NA					
	Min CFM	Design Heat CFM	Heat CFM	Ak (max)			

Diffuser Supply (GRD)

AHU1-VAV1/

Asset							
AHU1-VAV1-SGRD1	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
	FINAL CFM	% to design					
AHU1-VAV1-SGRD2	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
	FINAL CFM	% to design					
AHU1-VAV1-SGRD3	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
	FINAL CFM	% to design					

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Project: Beta Tutorial Test Project

System/Unit: AHU/RTU

Asset: AHU2 AREA:

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	YCD	YCD
Type	-	
Configuration	-	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Rated Voltage	-	
Rated Amperage	-	

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

Electrical		
	Design	Actual
VFD Min Setpt	-	
VFD Max Setpt	-	

Test Data		
	Design	Actual
SF CFM	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
SA Temp (db/wb)	-	

General		
	Design	Actual
Fan Rotation Correct	-	
Unit Filters Clean	-	

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Asset	Notes

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Project: Beta Tutorial Test Project

System/Unit: FAN - Exhaust

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Asset: EF1 AREA:

Unit Data		
	Design	**Actual**
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	DU85	DU85
Serial Num	-	
Type	-	

Test Data		
	Design	**Actual**
CFM	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	-	

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

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Project: Beta Tutorial Test Project

System/Unit: Kitchen Hood Type I

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Asset: HD1 AREA:

Unit Data		
	Design	**Actual**
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	ND2	ND2
Job / Serial Num	-	
Type	-	
Hood length	-	
Hood Width	-	

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	-	
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 Ave FPM(corr)	-	
CFM	-	

Cooking Equipment		
	Design	**Actual**
Item 1	-	
Item 2	-	

Performance Data		
	Design	**Actual**
Smoke Generation Type	-	
Hood Capture %	-	
End Panels Installed (Y/N)	-	

General		
	Design	**Actual**
Third Party Witness	-	
Third Party Company	-	
Tech Witness	-	

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Project: Beta Tutorial Test Project

System/Unit: Kitchen Hood Type I

Comfort. Under control.

Asset: HD2 AREA:

Unit Data		
	Design	**Actual**
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	ND2	ND2
Job / Serial Num	-	
Type	-	
Hood length	-	
Hood Width	-	

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	-	
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 Ave FPM(corr)	-	
CFM	-	

Cooking Equipment		
	Design	**Actual**
Item 1	-	
Item 2	-	

Performance Data		
	Design	**Actual**
Smoke Generation Type	-	
Hood Capture %	-	
End Panels Installed (Y/N)	-	

General		
	Design	**Actual**
Third Party Witness	-	
Third Party Company	-	
Tech Witness	-	

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