

Report By:

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



Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 07/07/2023

PROJECT
07-03-23 RIPPLE - CINCINNATI, OH

2000 MADISON RD

CINCINNATI, OH 45208

Client

NEED

National TAB

Project: 07-03-23 RIPPLE - CINCINNATI, OH

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Issue List

- EF-1 Missing Grease Trap
- MUA Gas piping
- MUA Noise problem



07-03-23 RIPPLE - CINCINNATI, OH

Project Issue Information

Issue Name : EF-1 Missing Grease Trap
Description : Ef-1 is missing the grease trap/drain
Created By : National TAB **Assigned To :** National TAB - Tyler Youells
Status : Open
Originated Date : 07/07/2023 - Tyler Youells - National TAB

Project Issue File Details



**Nogreasetrap
07/07/2023**



07-03-23 RIPPLE - CINCINNATI, OH

Project Issue Information

Issue Name : MUA Gas piping
Description : Gas piping to the MUA has not yet been completed. This unit will not be able to heat until gas line is installed. Recommend resolving before Fall/Winter seasons.
Created By : National TAB **Assigned To :** National TAB - Tyler Youells
Status : Open
Originated Date : 07/07/2023 - Tyler Youells - National TAB

Project Issue File Details



**MUAgasline
07/07/2023**



07-03-23 RIPPLE - CINCINNATI, OH

Project Issue Information

Issue Name : MUA Noise problem
Description : When the MUA was at design flow there was a lot of noise from the duct to PSP connection resulting from a system effect. The total MUA flow was reduced from 1000CFM to reduce noise levels. Exhaust flow was also reduced to maintain Exhaust-Supply CFM offset.
Created By : National TAB **Assigned To :** National TAB - Tyler Youells
Status : Open
Originated Date : 07/07/2023 - Tyler Youells - National TAB

National TAB

Project: 07-03-23 RIPPLE - CINCINNATI, OH

System/Unit: FAN - Exhaust



Asset: KEF1

AREA:HD-1

Unit Data		
	Design	Actual
MFG	ECONOAIRE	ECONOAIRE
Model Num	EASIF15DD	EASIF15DD
Serial Num	-	5713888
Type	INLINE	INLINE
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	Actual
Motor MFG	-	TELCO GREEN
Frame	-	NA
Horsepower	1	1
Motor Rpm	-	1750
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	3.0
Service Factor	-	1.15

Test Data		
	Design	Actual
CFM	1100	1161
Fan RPM	1379	1313
Fan Rotation	-	CCW
Motor RPM	-	1313
System SetPt	-	45HZ
RL Voltage	-	154/154/154.1
RL Amperage	-	1.82/1.81/1.82
Total ESP	0.9"	0.77"
Fan Inlet SP	-	-0.63"
Fan Discharge SP	-	0.14"

Completed By: Tyler Youells on 07/07/2023

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Project: 07-03-23 RIPPLE - CINCINNATI, OH

System/Unit: FAN - Supply



Asset: KHMUA1

AREA:HD-1

Unit Data		
	Design	Actual
MFG	ECONOAIRE	ECONOAIRE
Model Num	E76	E76
Serial Num	-	5713888
Type	MUA	MUA
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	Actual
Motor MFG	-	TELCO GREEN
Frame	-	NL
Horsepower	1	1
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	230	230
Amperage (rated)	-	6.5
Service Factor	-	1

Drive Data		
	Design	Actual

Gas Heat		
	Design	Actual
Heater Operates (y/n)	-	NO
Flame Status (pass/fail)	-	FAIL
Inlet Air Temp SetPt	55	55
Discharge Air Temp SetPt	60	60
Air Flow Switch SP Actual	-	0.221"

Test Data		
	Design	Actual
CFM	750	794
SF RPM	1746	1080
Motor RPM	-	1080
RL Voltage	-	241.6
RL Amperage	-	1.82
Total ESP	-	0.17"
Fan Discharge SP	-	0.10"

General		
	Design	Actual
Fan Rotation Correct	-	YES

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Project: 07-03-23 RIPPLE - CINCINNATI, OH

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	ECONOIRE	ECONOIRE
Model Num	4812 ESX-2-PSP-F	4812 ESX-2-PSP-F
Job / Serial Num	-	5713888
Type	TYPE II CANOPY	TYPE II CANOPY
Hood length	108	108
Hood Width	48	48
Supply Plenum Type	-	PSP
Supply Plenum Width	14	14"
Supply Plenum Length	108	108"

Test Data Exhaust		
	Design	Actual
Filter Type	CONDENSATE BAFFLE	CONDENSATE BAFFLE
Filter Size 1	-	16X16
Filter Qty 1	6	6
CFM	1100	1161

Cooking Equipment		
	Design	Actual
Item 1	-	OVEN
Item 2	-	OVEN
Item 3	-	HOTWELL
Item 4	-	HOT PLATES

Test Data Supply		
	Design	Actual
Total AK Area	10.5	10.5
Kv factor (Vel)	0.89"	0.89
Num of Readings	-	9
Reading1 FPM	-	96
Reading2 FPM	-	105
Reading3 FPM	-	84
Reading4 FPM	-	69
Reading5 FPM	-	96
Reading6 FPM	-	85
Reading7 FPM	-	78
Reading8 FPM	-	81
Reading9 FPM	-	78
Ave FPM(corr)	-	86
CFM	750	794

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