Report By:

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

Report: TAB REPROT

Function: Test, Adjust, & Balance

Date: 12/03/2025

Completed By: National TAB

PROJECT

Mimi's (Crawford Ave)

1329 Ellis Street

Cincinnati, OH 45223

Client

F.G. Schaefer Co.

2145 Florence Ave

PO Box 6505

Cincinnati, OH 45206

National TAB

Project: Mimi's (Crawford Ave)

Table Of Contents

Project Summary

The summary below provides a quick understanding of our scope of work and general testing procedures. Enclosed in the report is further detail about your building performance including recommendations, asset data, and pictures. Our focus is to work with the trades to remedy any issues or deficiencies during the actual field balancing and not after the balancing has occurred to achieve a positive environment and outcome. The level of success is determined by the availability of the trades, possible parts needed, or time constraints.

Kitchen Exhaust Hood & Associated Fans

Each kitchen exhaust fan was measured at the hood filter bay utilizing a velocity matrix and a manufacturer's correction factor. Each filter velocity is multiplied by the manufacturer's corrected area. The sum of these readings equals the total flow of the exhaust fans. The total flow of the exhaust was then adjusted to within tolerance of the design flow. . Any EF's that fell outside of this tolerance is noted throughout the report.

MUA (Make Up Air Unit) w/ PSP

Total flow for the MAU (Make-up Air Unit) unit was measured by readings taken at the discharge of the hood's perforated supply plenum. Readings taken with a velocity matrix were averaged and multiplied by a manufacturer's corrected area. Adjustments to the fan speed were made in order to bring the unit to within design tolerance. Any MUA's that fell outside of this tolerance is noted throughout the report.

Final Building Tests

After completing the test and balance the final building pressure was measured. It was confirmed that the building pressure fell within acceptable tolerances of -0.02" wc to +0.02" wc and that the pressure measurement coincides with the actual and design net airflow. Any deviations from these standards are noted throughout the report.

The hood capture was tested at the perimeter of the hood and the cook top level with the equipment heat on to ensure satisfactory hood capture and containment.

CheckList List

- 0-SITE PICTURES
- 1-INITIAL SITE WALKTHROUGH
- 2-UNIT DATA AND EVALUATION
- 3-TEST, ADJUST, AND BALANCE
- 4-FINAL TESTS

Mimi's (Crawford Ave)

CheckList Information

Name :	0-SITE PICTURES	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/03/2025 - Austin McFall - National TAB		

CheckList Item Details

MAU-1	Yes
Comment:	

12/03/2025

12/03/2025

12/03/2025

EF-1	Yes
Comment:	

12/03/2025

12/03/2025

12/03/2025

EF-2	Yes
Comment:	

12/03/2025

12/03/2025

12/03/2025

Mimi's (Crawford Ave)

CheckList Information

Name :	1-INITIAL SITE WALKTHROUGH	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/03/2025 - Austin McFall - National TAB		
Completed Date :	12/03/2025 - Austin McFall - National TAB		

CheckList Item Details

INITIAL SITE WALKTHROUGH

All hood filters installed and accounted for?	Yes
Comment:	
Hoods are wired and have power?	Yes
Comment:	
Hood is free of alarms?	Yes
Comment:	
Thermostats have power?	Yes
Comment:	

Have trades/general contractor been notified about any issues and are they created on FaciliBuild?

Comment:

NONE

Mimi's (Crawford Ave)

CheckList Information

Name :	2-UNIT DATA AND EVALUATION	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/03/2025 - Austin McFall - National TAB		
Completed Date :	12/03/2025 - Austin McFall - National TAB		

CheckList Item Details

UNIT DATA AND EVALUATION WHILE GATHERING UNIT DATA CHECK THE FOLLOWING:

EF's

Rotation is correct?	Yes
Comment:	
Belts are tight?	
Comment:	
Grease cup installed on hood fan?	Yes
Comment:	
Hinge kit installed installed on hood fan?	Yes
Comment:	
Lean fan back. Is grease duct installation adequate and is duct ran all the way to the base of the fan?	Yes
Comment:	
Flex conduit is long enough so that fan can be completely tilted back?	Yes

Comment:	
There is no major leakage around base of fan?	Yes
Comment:	
Is the motor operating below the motor FLA rating?	Yes
Comment:	
MUA	
Rotation is correct?	Yes
Comment:	
Gas piping is installed and valves are in on position?	Yes
Comment:	
Heater tested and is functional?	Yes
Comment:	
Internal motorized damper is fully opening?	Yes
Comment:	
Motor is operating below the FLA rating?	Yes
Comment:	
Unit free of noticeable noise and vibration?	Yes
Comment:	
HOODS	
Kitchen equipment installed in proper places?	Yes
Comment:	
Can kitchen equipment be turned on for final smoke test?	No
Comment:	

DOCUMENTATION	
Have trades/general contractor been notified about any issues and are they created on FaciliBuild?	N/A

Comment:

NO ISSUES TO DOCUMENT

Mimi's (Crawford Ave)

CheckList Information

Name :	3-TEST, ADJUST, AND BALANCE	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/03/2025 - Austin McFall - National TAB		
Completed Date :	12/03/2025 - Austin McFall - National TAB		

CheckList Item Details

TEST, ADJUST, AND BALANCE ALL EQUIPMENT:

DURING TESTING MAKE NOTE OF THE FOLLOWING:

Is space free of drafting?	No
Comment:	
Is space comfortable in all areas?	Yes
Comment:	
Is the space free of ventilation noise?	Yes
Comment:	

If deviations from design were necessary to resolve 1-3 what were they? Otherwise put "NA".

Comment:

NA

FaciliBuild make it easy

Mimi's (Crawford Ave)

CheckList Information

Name :	4-FINAL TESTS	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/03/2025 - Austin McFall - National TAB		
Completed Date :	12/03/2025 - Austin McFall - National TAB		

CheckList Item Details

FINAL TESTS

HOOD CAPTURE TEST

List equipment turned on for testing

Comment:

NONE

List smoke candle type used

Comment:

45 SECOND SMOKE EMITTER

Smoke test capture - Perimeter of hood

Comment:

100%

Smoke test capture - Top of cooking surface

Comment:

100%

Building pressure at front & back doors (All Systems On)

FaciliBuild make it easy

Comment:

FRONT: 0.007"

National TAB

Project: Mimi's (Crawford Ave)

System/Unit: FAN - Exhaust

Asset: EF1 AREA:

Unit Data		
	Design	**Actual**
MFG	ECON AIRE	ECON AIRE
Model Num	EADU180H	EADU180H
Serial Num	-	7232656
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	ODP
Horsepower	2.0	2.0
Motor Rpm	1150	1150
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	8.3
Service Factor	-	1.15

Test Data		
	Design	**Actual**
CFM	3220	3146
Fan RPM	1325	1294
Fan Rotation	-	CCW
Motor RPM	-	1150
System SetPt	-	51 HZ
RL Voltage	208	207/206/207
RL Amperage	8.3	6.6
Total ESP	1.4"	1.15"
Fan Inlet SP	-	-1.15"
Fan Discharge SP	-	ATM

Completed By: Austin McFall on 12/03/2025

FaciliBuild make it easy

National TAB

Project: Mimi's (Crawford Ave)

System/Unit: FAN - Exhaust

Asset: EF2 AREA:

Unit Data		
	Design	**Actual**
MFG	ECON AIRE	ECON AIRE
Model Num	EADU180H	EADU180H
Serial Num	-	7232656
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	ODP
Horsepower	2.0	2.0
Motor Rpm	1150	1150
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	8.3
Service Factor	-	1.15

Test Data		
	Design	**Actual**
CFM	3220	3248
Fan RPM	1325	1336
Fan Rotation	-	CCW
Motor RPM	-	1150
System SetPt	-	53 HZ
RL Voltage	208	208
RL Amperage	8.3	7.1/7.2/7.4
Total ESP	1.4"	1.12"
Fan Inlet SP	-	-1.12"
Fan Discharge SP	-	ATM

Completed By: Austin McFall on 12/03/2025

FaciliBuild make it easy

National TAB

Project: Mimi's (Crawford Ave)

System/Unit: FAN - Supply

Asset: MUA1 AREA:

Unit Data		
	Design	**Actual**
MFG	CAPTIVE AIRE	CAPTIVE AIRE
Model Num	A3-D.500-24D-MPU	A3-D.500-24D-MPU
Serial Num	-	7127306
Type	MPU	MPU
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	ODP
Horsepower	10	10
Motor Rpm	1150	1150
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	27.0
Service Factor	-	1.15

Gas Heat		
	Design	**Actual**
Heater Operates (y/n)	-	YES
Flame Status (pass/fail)	-	PASS
Inlet Air Temp SetPt	55	55
Discharge Air Temp SetPt	60	60

Test Data		
	Design	**Actual**
CFM	5345	5340
Motor RPM	-	1150
SF System SetPt	-	44 HZ
RL Voltage	208	206/207/208
RL Amperage	27.0	16.9

General	
	Actual
Fan Rotation Correct	CORRECT

Completed By: Austin McFall on 12/03/2025

FaciliBuild make it easy

National TAB

Project: Mimi's (Crawford Ave)

System/Unit: Kitchen Hood Type I

Asset: HD1 AREA:

Unit Data		
	Design	**Actual**
MFG	ECON AIRE	ECON AIRE
Model Num	5424EX-2-PSP-F	5424EX-2-PSP-F
Job / Serial Num	-	7232656
Type	TYPE I CANOPY	TYPE I CANOPY
Hood length	168"	168"
Hood Width	54"	54"
Supply Plenum Type	-	PSP
Supply Plenum Width	16"	16"
Supply Plenum Length	180"	180"

Test Data Exhaust		
	Design	**Actual**
Filter Type	BAFFLE	BAFFLE
Filter Size 1	16X16	16X16
Filter Qty 1	10	10
Filter AK factor size 1	1.62	1.62
Filter Total AK Area	16.2	16.2
Filter1 FPM	-	165
Filter2 FPM	-	171
Filter3 FPM	-	222
Filter4 FPM	-	232
Filter5 FPM	-	228
Filter6 FPM	-	209
Filter7 FPM	-	197
Filter8 FPM	-	181
Filter9 FPM	-	166
Filter10 FPM	-	161
Filter Ave FPM(corr)	-	194
CFM	3220	3146

Test Data Supply		
	Design	**Actual**
Total Area	20	20
Kv factor (Vel)	0.88	0.88
Num of Readings	-	9
Reading1 FPM	-	189
Reading2 FPM	-	166
Reading3 FPM	-	143
Reading4 FPM	-	155
Reading5 FPM	-	133
Reading6 FPM	-	178
Reading7 FPM	-	166
Reading8 FPM	-	144
Reading9 FPM	-	181
Ave FPM(corr)	-	161
CFM	2769	2833

Completed By: Austin McFall on 12/03/2025

FaciliBuild make it easy

National TAB

Project: Mimi's (Crawford Ave)

System/Unit: Kitchen Hood Type I

Asset: HD2 AREA:

Unit Data		
	Design	**Actual**
MFG	ECON AIRE	ECON AIRE
Model Num	5424EX-2-PSP-F	5424EX-2-PSP-F
Job / Serial Num	-	7232656
Type	TYPE I CANOPY	TYPE I CANOPY
Hood length	168"	168"
Hood Width	54"	54"
Supply Plenum Type	-	PSP
Supply Plenum Width	16"	16"
Supply Plenum Length	168"	168"

Test Data Exhaust		
	Design	**Actual**
Filter Type	BAFFLE	BAFFLE
Filter Size 1	16X16	16X16
Filter Qty 1	10	10
Filter AK factor size 1	1.62	1.62
Filter Total AK Area	16.2	16.2
Filter1 FPM	-	166
Filter2 FPM	-	181
Filter3 FPM	-	199
Filter4 FPM	-	211
Filter5 FPM	-	218
Filter6 FPM	-	232
Filter7 FPM	-	228
Filter8 FPM	-	211
Filter9 FPM	-	188
Filter10 FPM	-	171
Filter Ave FPM(corr)	-	200
CFM	3220	3248

Test Data Supply		
	Design	**Actual**
Total Area	18.66	18.66
Kv factor (Vel)	0.88	0.88
Num of Readings	-	9
Reading1 FPM	-	171
Reading2 FPM	-	133
Reading3 FPM	-	141
Reading4 FPM	-	155
Reading5 FPM	-	161
Reading6 FPM	-	132
Reading7 FPM	-	141
Reading8 FPM	-	159
Reading9 FPM	-	181
Ave FPM(corr)	-	153
CFM	2576	2507

Completed By: Austin McFall on 12/03/2025

FaciliBuild make it easy