

Report By:

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



Report: Mimi's-HD 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)

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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



12/03/2025



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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



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)

Comment:

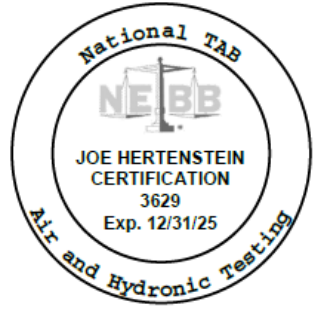
FRONT: 0.007"



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

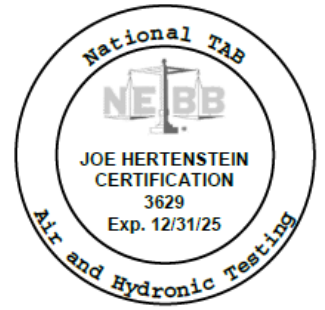
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National TAB

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

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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

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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 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

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

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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

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