

Report By:

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



Report: PRELIM

Function: Test, Adjust, & Balance

Date: 06/11/2025

Completed By: National TAB

PROJECT

06-09-25 CULVERS LEXINGTON (MEIJER WAY), KY

360 Meijer Way

Lexington , KY 40503

Client

CULVERS FRANCHISEE

National TAB

Project: 06-09-25 CULVERS LEXINGTON (MEIJER WAY), KY

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- STEP 3: TEST, ADJUST AND BALANCE
- STEP 5: FINAL DOCUMENTATION



06-09-25 CULVERS LEXINGTON (MEIJER WAY), KY

CheckList Information

Name : STEP 1: INITIAL WALKTHRU **Status :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 04/21/2025 - Tara Metcalf - National TAB

Completed Date : 06/11/2025 - Aaron Cosby - National TAB

CheckList Item Details

INITIAL SITE WALKTHROUGH

All diffusers and grilles are installed and match design? Yes

Comment:

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:



06-09-25 CULVERS LEXINGTON (MEIJER WAY), KY

CheckList Information

Name : STEP 4: FINAL TESTS **Status :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 04/21/2025 - Tara Metcalf - National TAB

Completed Date : 06/11/2025 - Aaron Cosby - National TAB

CheckList Item Details

FINAL TESTS

HOOD CAPTURE TEST

List equipment turned on for testing

Comment:

List smoke candle type used

Comment:

Smoke test capture - Perimeter of hood

Comment:

Smoke test capture - Top of cooking surface

Comment:

WITNESS

Date test was completed

Comment:

TAB tech name / Firm

Comment:

Site super name / Firm

Comment:

Owner representative name / Firm (if Applicable)

Comment:

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

Comment:

ADDITIONAL

Do actual net building airflow, design net building airflow, and pressure coincide? If not why? (All three should either be positive or negative)

Comment:

YES

Thermostats are programmed?

Yes

Comment:

Notes/Comments :

Hood capture test not available as store is operating

Date :06/11/2025



06-09-25 CULVERS LEXINGTON (MEIJER WAY), KY

CheckList Information

Name : STEP 2: UNIT DATA AND EVAL **Status :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 04/21/2025 - Tara Metcalf - National TAB

Completed Date : 06/11/2025 - Aaron Cosby - National TAB

CheckList Item Details

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

RTU's/AHU's

Economizers are assembled and functional? Yes

Comment:

DCV Max damper opening position is set to minimum? Yes

Comment:

Free cooling enthalpy set point set for lowest setting (Typically "D") Yes

Comment:

Motors are all operating below the FLA rating? Yes

Comment:

Are belts tight?

Comment:

YES

If direct drive unit is the speed controller working.

Comment:

YES

Is gas piping installed and valves turned on?

Yes

Comment:

Unit free of noticeable noise and vibration

Yes

Comment:

EF's

Rotation is correct?

Yes

Comment:

Belts are tight?

Comment:

YES

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:

For restroom fan(s) is the back draft damper installed and can it fully open?

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:



06-09-25 CULVERS LEXINGTON (MEIJER WAY), KY

CheckList Information

Name : STEP 5: FINAL DOCUMENTATION **Status :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 04/21/2025 - Tara Metcalf - National TAB

Completed Date : 06/11/2025 - Aaron Cosby - National TAB

CheckList Item Details

FINAL DOCUMENTATION

Marked Data capture complete for all assets? Yes

Comment:

Picture file sent to processing team or uploaded? Yes

Comment:

Balance schedule complete and uploaded? Yes

Comment:

Prelim report generated and reviewed? Yes

Comment:

Issue List

- EF-1
- RTU-1 Pulley Frozen



06-09-25 CULVERS LEXINGTON (MEIJER WAY), KY

Project Issue Information

Issue Name : EF-1
Description : EF-1 connects to the mop sink and the diffuser above the ice maker. Its producing 780 CFM currently, which isn't necessary as it is pushing the store negative and out of the threshold for BP. Recommend installing a speed controller, a smaller fan, or turning it off completely
Created By : National TAB **Assigned To :** National TAB - Dan Hertenstein
Status : Open
Priority : Urgent **Asset Tag :**
Originated Date : 06/11/2025 - Aaron Cosby - National TAB

Project Issue File Details



06/11/2025



06-09-25 CULVERS LEXINGTON (MEIJER WAY), KY

Project Issue Information

Issue Name : RTU-1 Pulley Frozen
Description : RTU-1 is below CFM per tonnage. If the unit produced more air, OA could be turned up which would make building pressure more positive. Even if key is unstuck, it would likely need a pulley change to get more air from the unit
Created By : National TAB **Assigned To :** National TAB - Dan Hertenstein
Status : Open
Priority : High **Asset Tag :**
Originated Date : 06/11/2025 - Aaron Cosby - National TAB

National TAB

Project: 06-09-25 CULVERS LEXINGTON (MEIJER WAY), KY

System/Unit: AHU/RTU



Asset: RTU1

AREA:

Unit Data		
	Design	Actual
MFG	NA	LENNOX
Serial Num	-	5619E03517
Model Num	NA	LGH210H4BH3Y
Type	-	RTU
Configuration	-	VERTICAL
Num OA Filters 1	-	3
OA Filter Size 1	-	22.5X13"
Num Final Filter 1	-	6
Final Filter Size 1	-	24X24X2"

Motor Data		
	Design	Actual
Motor MFG	-	NIDEC
Frame	-	184TZ
Horsepower	-	5
Motor Rpm	-	1765
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	13.80

Drive Data	
	Actual
Motor Sheave Size	4.75"
Motor Bore Size	1.5"
Motor Sheave SetPt	2 TURNS OUT
Fan Sheave Size	10"
Fan Sheave Bore	1.5"
Belt CL Distance	21"
Num of Belts	1
Belt Size	B61
Belt Alignment	GOOD

Test Data		
	Design	Actual
SF CFM	7000	5140
SF RPM	-	1777
RA CFM	-	3496
OA CFM	1000	1644
RL Voltage	-	209
RL Amperage	-	9.3
SF Rotation	-	GOOD
Min OA Damper Position	-	27%

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.31"
Fan Suction SP	-	-0.58"
Fan Discharge SP	-	0.39"
Total ESP	-	0.7
Fan Total SP	-	0.97

General	
	Actual
Fan Rotation Correct	GOOD
Unit Filters Clean	GOOD
Condensate Drain Installed	YES

Completed By: Aaron Cosby on 06/11/2025

Notes:

Fan rpm: 823

Design CFM comes from 350-400CFM per ton

Written By: Aaron Cosby on 06/12/2025

Unit Data - PHOTO LOG



06/12/2025

National TAB

Project: 06-09-25 CULVERS LEXINGTON (MEIJER WAY), KY

System/Unit: AHU/RTU



Asset: RTU2

AREA:

Unit Data		
	Design	Actual
MFG	NA	LENNOX
Serial Num	-	5624A03472
Model Num	NA	KGC210S4MM1Y
Type	-	RTU
Configuration	-	VERTICAL DISCHARGE
Num OA Filters 1	-	3
OA Filter Size 1	-	16"x25"
Num Final Filter 1	-	6
Final Filter Size 1	-	24"x24"x2"

Motor Data		
	Design	Actual
Motor MFG	-	NIDEC
Frame	-	184TZ
Horsepower	-	5
Motor Rpm	-	1765
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	13.8

Drive Data	
	Actual
Motor Sheave Size	1VP60B
Motor Bore Size	1-1/8"
Motor Sheave SetPt	2 TURNS OUT
Fan Sheave Size	8-1/2"
Fan Sheave Bore	1-3/16"
Belt CL Distance	21-1/4"
Num of Belts	1
Belt Size	BX61
Belt Alignment	GOOD

Test Data		
	Design	Actual
SF CFM	7000	7112
SF RPM	-	882
RA CFM	5100	5057
OA CFM	1900	2055
RL Voltage	-	NOT SAFELY ACCESSIBLE
RL Amperage	-	11.8 VFD
SF Rotation	-	CCW
SF System SetPt	-	54HZ
RA Damper Position	-	MECHANICALLY LINKED
Min OA Damper Position	-	4.7 DCV
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	0.34"
Fan Suction SP	-	-0.77"
Fan Discharge SP	-	0.51"
Total ESP	-	0.85"
Fan Total SP	-	1.28"

General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES
Condensate Drain Installed	YES

Completed By: Aaron Cosby on 06/11/2025

Notes:
Design CFM comes from 350-400CFM per ton

Written By: Aaron Cosby on 06/12/2025

Unit Data - PHOTO LOG



06/12/2025

National TAB

Project: 06-09-25 CULVERS LEXINGTON (MEIJER WAY), KY

System/Unit: FAN - Exhaust



Asset: EF1

AREA:MOP ROOM

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	NA
Serial Num	-	NL
Type	-	UPBLAST
Configuration	-	VERTICAL

Test Data		
	Design	Actual
CFM	-	780
RL Amperage	-	UNDER FLA

Completed By: Aaron Cosby on 06/11/2025

Unit Data - PHOTO LOG



06/12/2025

National TAB

Project: 06-09-25 CULVERS LEXINGTON (MEIJER WAY), KY

System/Unit: FAN - Exhaust



Asset: EF4

AREA:DISH HOOD

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	NA	NA
Serial Num	-	NA
Type	-	DOWNBLAST
Configuration	-	VERTICAL

Test Data		
	Design	Actual
CFM	-	780
Fan Rotation	-	GOOD
RL Amperage	-	UNDER FLA

Completed By: Aaron Cosby on 06/11/2025

Unit Data - PHOTO LOG



06/12/2025

National TAB

Project: 06-09-25 CULVERS LEXINGTON (MEIJER WAY), KY

System/Unit: FAN - Exhaust



Asset: PRV1

AREA:RESTROOM

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	G-095-D-X
Serial Num	-	06F24711
Type	-	DOWNBLAST
Configuration	-	VERTICAL

Test Data		
	Design	Actual
CFM	-	217
Fan Rotation	-	GOOD
RL Amperage	-	UNDER FLA

Completed By: Aaron Cosby on 06/11/2025

National TAB

Project: 06-09-25 CULVERS LEXINGTON (MEIJER WAY), KY

System/Unit: FAN - Exhaust



Asset: PRV2

AREA:HOOD #1 FAN

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	NA
Serial Num	-	NL
Type	-	UPBLAST
Configuration	-	VERTICAL

Test Data		
	Design	Actual
CFM	-	1561
Fan Rotation	-	GOOD
RL Voltage	-	208
RL Amperage	-	UNDER FLA

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56
Horsepower	-	NL
Motor Rpm	-	1725
Phase	-	3
Voltage (rated)	-	208
Amperage (rated)	-	3.4
Service Factor	-	3.8

Completed By: Aaron Cosby on 06/11/2025

Unit Data - PHOTO LOG



06/12/2025

National TAB

Project: 06-09-25 CULVERS LEXINGTON (MEIJER WAY), KY

System/Unit: FAN - Exhaust



Asset: PRV3

AREA:HOOD #2 FAN

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	NA
Serial Num	-	NL
Type	-	UPBLAST
Configuration	-	VERTICAL

Test Data		
	Design	Actual
CFM	-	1432
Fan Rotation	-	GOOD
RL Voltage	-	209
RL Amperage	-	UNDER FLA

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56
Horsepower	-	NL
Motor Rpm	-	1725
Phase	-	3
Voltage (rated)	-	208
Amperage (rated)	-	3.4
Service Factor	-	3.8

Completed By: Aaron Cosby on 06/11/2025

Unit Data - PHOTO LOG



06/12/2025

National TAB

Project: 06-09-25 CULVERS LEXINGTON (MEIJER WAY), KY

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:KITCHEN HOOD #1

Unit Data		
	Design	Actual
MFG	NA	ACCUREX
Model Num	NA	NA
Type	-	TYPE I LOW PROXIMITY

Test Data Exhaust		
	Design	Actual
Filter Type	-	EXTRACTOR
Filter Size 1	-	16"X16"
Filter Qty 1	-	4
Filter AK factor size 1	-	1.53
Filter Total AK Area	-	6.12
Filter1 FPM	-	243
Filter2 FPM	-	265
Filter3 FPM	-	250
Filter4 FPM	-	262
Filter Ave FPM(corr)	-	390
CFM	-	1561

Cooking Equipment	
	Actual
Item 1	GRILL

Completed By: Aaron Cosby on 06/11/2025

National TAB

Project: 06-09-25 CULVERS LEXINGTON (MEIJER WAY), KY

System/Unit: Kitchen Hood Type I



Asset: HD2

AREA:KITCHEN HOOD #2

Unit Data		
	Design	Actual
MFG	NA	ACCUREX
Model Num	NA	NA
Job / Serial Num	-	NA
Type	-	TYPE I LOW PROXIMITY

Test Data Exhaust		
	Design	Actual
Filter Type	-	EXTRACTOR
Filter Size 1	-	16"X16"
Filter Qty 1	-	5
Filter AK factor size 1	-	1.53
Filter Total AK Area	-	7.65
Filter1 FPM	-	179
Filter2 FPM	-	193
Filter3 FPM	-	205
Filter4 FPM	-	184
Filter5 FPM	-	175
Filter Ave FPM(corr)	-	286
CFM	-	1432

Cooking Equipment	
	Actual
Item 1	FRYER

Completed By: Aaron Cosby on 06/11/2025