

Report By:

National TAB



Report: TAB Report

Function: Test, Adjust, & Balance

Date: 10/03/2025

Completed By: National TAB

PROJECT

Fords Garage (Lexington, KY)

140 Rojay Dr.

Lexington, KY 40503

Client

Lamb Mechanical Services

7061 Corporate Circle

Indianapolis, IN 46278

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Project: Fords Garage (Lexington, KY)

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Project: Fords Garage (Lexington, KY)
System/Unit: AHU/RTU



Asset: RTU-1

AREA:114 KITCHEN

Unit Data		
	Design	Actual
MFG	NA	CARRIER
Serial Num	-	2725P40852
Model Num	NA	48FEDM12A3A5
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	35"x19.25"
Num PreFilter 1	-	4
PreFilter Size 1	-	20"x20"

Test Data		
	Design	Actual
SF CFM	3950	4041
RA CFM	3925	3995
OA CFM	25	46
RL Voltage	208	208/209/208
RL Amperage	-	5.4/5.9
OA Damper Position	-	2.5 VDC
Brake Horse Power	-	2.26

Motor Data		
	Design	Actual
Horsepower	3.0	5
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	12.6

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.9"
Fan Suction SP	-	-1.24"
Fan Discharge SP	-	0.62"
Total ESP	1.5	1.52"
Fan Total SP	-	1.86"

Completed By: Corey Dick on 09/29/2025

Notes:
7.98 VDC SF Setpoint

Written By: Corey Dick on 09/29/2025

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Project: Fords Garage (Lexington, KY)

AHU/RTU



Diffuser Supply (GRD)

RTU-1/114 KITCHEN

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-1	113	S1	8	100	250	110	110.0
1-2	112	S1	8	150	190	136	90.7
1-3	114	S3	10	300	413	270	90.0
1-4	108	S1	8	200	212	220	110.0
1-5	110	S1	8	200	108	218	109.0
1-6	114	S3	10	300	437	299	99.7
1-7	114	S3	10	300	383	292	97.3
1-8	114	S3	10	300	416	325	108.3
1-9	114	S3	10	300	351	320	106.7
1-10	114	S3	10	300	325	320	106.7
1-11	114	S3	10	300	324	323	107.7
1-12	114	S3	10	300	341	324	108.0
1-13	114	S3	10	300	273	318	106.0
1-14	114	S3	10	300	243	293	97.7
1-15	114	S3	10	300	318	273	91.0
Total				3950	4584	4041	102.3%

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Project: Fords Garage (Lexington, KY)
System/Unit: AHU/RTU



Asset: RTU-2

AREA:102 EAST WING

Unit Data		
	Design	Actual
MFG	NA	CARRIER
Serial Num	-	1025C07288
Model Num	NA	48FEEA05A2A5
Configuration	-	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	28.25"x14.25"
Num PreFilter 1	-	2
PreFilter Size 1	-	25"x16"

Motor Data		
	Design	Actual
Horsepower	0.5	1.1
Phase	3	1
Rated Voltage	208	208
Rated Amperage	-	7.1

Test Data		
	Design	Actual
SF CFM	1500	1634
RA CFM	990	1120
OA CFM	510	518
RL Voltage	208	209
RL Amperage	-	4.7
SF System SetPt	-	8.7 VDC
OA Damper Position	-	5.7 VDC
Brake Horse Power	-	0.73

Performance Data		
	Design	Actual
Fan Suction SP	-	-0.75"
Fan Discharge SP	-	0.53"
Total ESP	0.75	0.93"
Fan Total SP	-	1.28"

Completed By: Corey Dick on 09/30/2025

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Project: Fords Garage (Lexington, KY)

AHU/RTU



Diffuser Supply (GRD)

RTU-2/102 EAST WING

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2-1	102	S2	14X6	200	231	220	110.0
2-2	102	S2	12X6	175	211	192	109.7
2-3	102	S2	12X6	175	231	191	109.1
2-4	102	S2	14X6	200	221	218	109.0
2-5	102	S2	14X6	200	239	219	109.5
2-6	102	S2	14X6	200	248	216	108.0
2-7	102	S2	12X6	175	229	189	108.0
2-8	102	S2	12X6	175	245	189	108.0
Total				1500	1855	1634	108.93%

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Project: Fords Garage (Lexington, KY)
System/Unit: AHU/RTU



Asset: RTU-3

AREA:103 EAST DINING

Unit Data		
	Design	Actual
MFG	NA	CARRIER
Serial Num	-	2425P78793
Model Num	NA	48FEDM08A3A5A8
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	35"x19.25"
Num PreFilter 1	-	4
PreFilter Size 1	-	20"x16"

Motor Data		
	Design	Actual
Horsepower	3.0	3.0
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	7.5

Test Data		
	Design	Actual
SF CFM	2960	3135
RA CFM	1930	2065
OA CFM	1010	1066
RL Voltage	208	209
RL Amperage	-	2.4
OA Damper Position	-	4.9 VDC
Brake Horse Power	-	0.96

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.42"
Fan Suction SP	-	-0.63"
Fan Discharge SP	-	0.36"
Total ESP	1.5	0.78"
Fan Total SP	-	0.99"

Completed By: Corey Dick on 09/30/2025

Notes:
SF Setpoint 5.98 VDC

Written By: Corey Dick on 09/30/2025

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Project: Fords Garage (Lexington, KY)

AHU/RTU



Diffuser Supply (GRD)

RTU-3/103 EAST DINING

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3-1	103	S2	12X6	190	316	197	103.7
3-2	103	S2	12X6	190	314	196	103.2
3-3	103	S2	12X6	180	306	197	109.4
3-4	103	S2	12X6	180	301	189	105.0
3-5	103	S2	12X6	190	300	199	104.7
3-6	103	S2	12X6	190	302	193	101.6
3-7	103	S2	12X6	180	284	197	109.4
3-8	103	S2	12X6	180	289	191	106.1
3-9	103	S2	12X6	190	251	200	105.3
3-10	103	S2	12X6	190	261	201	105.8
3-11	103	S2	12X6	180	259	194	107.8
3-12	103	S2	12X6	180	254	191	106.1
3-13	103	S2	12X6	190	260	209	110.0
3-14	103	S2	12X6	190	247	208	109.5
3-15	103	S2	12X6	180	258	181	100.6
3-16	103	S2	12X6	180	264	187	103.9
Total				2960	4466	3130	105.74%

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Project: Fords Garage (Lexington, KY)
System/Unit: AHU/RTU



Asset: RTU-4

AREA:104 BAR

Unit Data		
	Design	Actual
MFG	NA	CARRIER
Serial Num	-	2425P78794
Model Num	NA	48FEDM08A3A5
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	35"x19.25"
Num PreFilter 1	-	4
PreFilter Size 1	-	20"x16"

Motor Data		
	Design	Actual
Horsepower	3.0	3.0
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	7.5

Test Data		
	Design	Actual
SF CFM	3000	2971
RA CFM	2070	2104
OA CFM	930	867
RL Voltage	208	209
RL Amperage	-	2.5
OA Damper Position	-	5.8 VDC
Brake Horse Power	-	1.0

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.25"
Fan Suction SP	-	-0.47"
Fan Discharge SP	-	0.63"
Total ESP	1.5	0.88"
Fan Total SP	-	1.1"

Completed By: Corey Dick on 09/30/2025

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Project: Fords Garage (Lexington, KY)

AHU/RTU



Diffuser Supply (GRD)

RTU-4/104 BAR

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4-1	104	S2	12X6	180	207	164	91.1
4-2	104	S2	12X6	180	209	190	105.6
4-3	104	S2	12X6	180	289	191	106.1
4-4	104	S2	12X6	180	224	179	99.4
4-5	104	S2	12X6	180	264	169	93.9
4-6	104	S2	12X6	180	231	179	99.4
4-7	104	S2	12X6	180	211	178	98.9
4-8	101	S2	12X6	180	286	179	99.4
4-9	104	S2	12X6	170	239	171	100.6
4-10	104	S2	12X6	170	284	168	98.8
4-11	104	S2	12X6	170	229	163	95.9
4-12	104	S2	12X6	170	284	159	93.5
4-13	104	S2	12X6	170	204	161	94.7
4-14	104	S2	12X6	170	296	166	97.6
4-15	104	S2	12X6	170	294	169	99.4
4-16	104	S2	12X6	170	284	177	104.1
4-17	101	S2	146	200	607	208	104.0
Total				3000	4642	2971	99.03%

Completed By: Corey Dick on 09/30/2025

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Project: Fords Garage (Lexington, KY)
System/Unit: AHU/RTU



Asset: RTU-5

AREA:105/106 WEST WING/DINING

Unit Data		
	Design	Actual
MFG	NA	CARRIER
Serial Num	-	2725P40853
Model Num	NA	48FEDM12A3A5
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	35"x19.25"
Num PreFilter 1	-	4
PreFilter Size 1	-	20"x20"

Motor Data		
	Design	Actual
Horsepower	3.0	5
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	12.6

Test Data		
	Design	Actual
SF CFM	3800	4026
RA CFM	2640	2698
OA CFM	1260	1328
RL Voltage	208	208
RL Amperage	-	6.4
OA Damper Position	-	5.4 VDC
Brake Horse Power	-	2.5

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.86"
Fan Suction SP	-	-1.16"
Fan Discharge SP	-	0.71"
Total ESP	1.5	1.57"
Fan Total SP	-	1.77"

Completed By: Corey Dick on 10/03/2025

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Project: Fords Garage (Lexington, KY)

AHU/RTU



Diffuser Supply (GRD)

RTU-5/105/106 WEST WING/DINING

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
5-1	105	S2	14X8	300	342	311	103.7
5-2	105	S2	12X6	175	206	191	109.1
5-3	105	S2	12X6	175	210	178	101.7
5-4	105	S2	12X6	175	215	177	101.1
5-5	105	S2	12X6	175	218	190	108.6
5-6	105	S2	12X6	175	199	186	106.3
5-7	105	S2	12X6	175	196	184	105.1
5-8	105	S2	12X6	175	191	179	102.3
5-9	105	S2	12X6	175	201	188	107.4
5-10	105	S2	12X6	175	212	188	107.4
5-11	105	S2	12X6	175	219	191	109.1
5-12	105	S2	12X6	175	209	188	107.4
5-13	105	S2	12X6	175	210	184	105.1
5-14	106	S2	14X8	300	349	326	108.7
5-15	105	S2	14X8	300	362	315	105.0
5-16	106	S2	14X8	300	381	309	103.0
5-17	106	S2	12X6	200	267	217	108.5
5-18	106	S2	14X8	300	355	324	108.0
Total				3800	4542	4026	105.95%

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Project: Fords Garage (Lexington, KY)
System/Unit: FAN - Exhaust



Asset: EF-1

AREA:110 WOMENS RR

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	NA
Type	CEILING	CEILING

Test Data		
	Design	Actual
CFM	266	261
System SetPt	-	SINGLE SPEED

Motor Data		
	Design	Actual
Phase	1	1
Voltage (rated)	120	120

Completed By: Nick Payne on 09/30/2025

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Project: Fords Garage (Lexington, KY)
System/Unit: FAN - Exhaust



Asset: EF-3

AREA:112 PRIVATE RR

Unit Data		
	Design	Actual
MFG	NA	LOREN COOK
Model Num	NA	GEMINI 140
Type	CEILING	CEILINNG

Test Data		
	Design	Actual
CFM	75	77

Motor Data		
	Design	Actual
Motor MFG	-	QUEACE
Horsepower	33W	15W
Motor Rpm	900	1550
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	0.4

Completed By: Nick Payne on 09/30/2025

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Project: Fords Garage (Lexington, KY)
System/Unit: FAN - Exhaust



Asset: EF-6

AREA:110 MENS RR

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	NA
Type	CEILING	CEILING

Test Data		
	Design	Actual
CFM	338	305
System SetPt	-	SINGLE SPEED

Motor Data		
	Design	Actual
Phase	1	1
Voltage (rated)	120	120

Completed By: Nick Payne on 09/30/2025