

# Wesley John

Project: 01-12-26 CHIPOTLE #5879 ALEXANDRIA, MN  
(BROADWAY)

## System/Unit: AHU/RTU

Asset: RTU 1

AREA: DINING

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	2525P40150
Model Num	48FEFN12B3M5	48FEFN12B3M5A8W4C0
Type	RTU	RTU
Configuration	VERTICAL DISCHARGE	VERTICAL DISCHARGE
Num OA Filters 1	-	1
OA Filter Size 1	-	20x36x1
Num Final Filter 1	-	4
Final Filter Size 1	-	20x20x2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	12.6

Test Data		
	Design	Actual
SF CFM	3800	3852
SF RPM	-	1535
RA CFM	2900	2932
OA CFM	900	920
RL Voltage	-	211/211/211
RL Amperage	-	3.9/3.9/3.8
SF Rotation	-	CCW
SF System SetPt	-	5.6 VDC
RA Damper Position	-	65%
Min OA Damper Position	-	4.80 VDC (35%)
Min OA Damper Type	-	OPPOSED BLADE
OA Enthalpy Setpt	-	22 BTU/LB

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.91"
Fan Suction SP	-	-1.28"
Fan Discharge SP	-	0.69"
Total ESP	0.8"	1.60"
Fan Total SP	-	1.97"

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

Completed By: Wesley John on 01/12/2026

## Unit Data - PHOTO LOG



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(BROADWAY)

## AHU/RTU

### Diffuser Supply (GRD)

#### RTU 1/DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DINING	SR2	18X6	400	1.0	416	366	410	102.5
SGRD2	DINING	SR2	18X6	400	1.0	474	412	423	105.8
SGRD3	DINING	SR1	14"	750	1.0	730	647	733	97.7
SGRD4	DINING	SR1	14"	650	1.0	810	708	629	96.8
SGRD5	DINING	SR1	14"	600	1.0	620	540	633	105.5
SGRD6	DINING	SR1	14"	500	1.0	714	622	517	103.4
SGRD7	DINING	SR1	14"	450	1.0	675	593	461	102.4
SGRD8	RESTROOM	CD3	6"	50	1.0	38	36	46	92.0
Total				3800		4477	3924	3852	101.37%

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Project: 01-12-26 CHIPOTLE #5879 ALEXANDRIA, MN  
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## System/Unit: AHU/RTU

Asset: RTU 2

AREA: KITCHEN

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	0424P62996
Model Num	48FEFN09B3M5	48FCN09D3M5A6W4F0
Type	RTU	RTU
Configuration	VERTICAL DISCHARGE	VERTICAL DISCHARGE
Num OA Filters 1	-	1
OA Filter Size 1	-	20x36x1
Num Final Filter 1	-	4
Final Filter Size 1	-	20x20x2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	7.5

Test Data		
	Design	Actual
SF CFM	3400	3323
SF RPM	-	1516
RA CFM	2800	2692
OA CFM	600	631
RL Voltage	-	211/210/210
RL Amperage	-	3.9/4.0/4.0
SF Rotation	-	CCW
SF System SetPt	-	5.5 VDC
RA Damper Position	-	67%
Min OA Damper Position	-	4.70 VDC (33%)
Min OA Damper Type	-	OPPOSED BLADE
OA Enthalpy Setpt	-	ES5

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.86
Fan Suction SP	-	-1.12"
Fan Discharge SP	-	0.67"
Total ESP	0.8"	1.53"
Fan Total SP	-	1.79"

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

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## Unit Data - PHOTO LOG



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(BROADWAY)

## AHU/RTU

**Diffuser Supply (GRD)**

**RTU 2/KITCHEN**

<b>Asset</b>									
<b>Asset Name</b>	<b>Location</b>	<b>Type</b>	<b>Size</b>	<b>DESIGN CFM</b>	<b>AK</b>	<b>CFM(1)</b>	<b>CFM(2)</b>	<b>FINAL CFM</b>	<b>% to design</b>
SGRD1	KITCHEN	CD1	12"	425	1.0	581	488	397	93.4
SGRD2	KITCHEN	CD1	12"	425	1.0	547	453	422	99.3
SGRD3	KITCHEN	CD2	8"	250	1.0	313	266	262	104.8
SGRD4	KITCHEN	CD2	8"	250	1.0	266	220	251	100.4
SGRD5	KITCHEN HD	ACPSP	165X6	700	5.36	1067	891	669	95.6
SGRD6	KITCHEN	CD2	8"	250	1.0	227	195	253	101.2
SGRD7	KITCHEN	CD2	8"	250	1.0	243	207	227	90.8
SGRD8	OFFICE	CD1	8"	150	1.0	109	102	146	97.3
SGRD9	BOH	CD1	10"	350	1.0	322	270	329	94.0
SGRD10	BOH	CD1	10"	350	1.0	382	322	367	104.9
<b>Total</b>				<b>3400</b>		<b>4057</b>	<b>3414</b>	<b>3323</b>	<b>97.74%</b>

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Project: 01-12-26 CHIPOTLE #5879 ALEXANDRIA, MN  
(BROADWAY)

## System/Unit: FAN - Exhaust

Asset: EF1

AREA: KITCHEN HD

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	DU180HFA	DU180HFA
Serial Num	-	7515473
Type	CENTIRFUGAL	CENTRIFUGAL
Configuration	UPBLAST	UPBLAST

Motor Data		
	Design	Actual
Motor MFG	-	TECO
Frame	-	184T
Horsepower	2.0	2.0
Motor Rpm	-	1165
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	7.26
Service Factor	-	1.15

Test Data		
	Design	Actual
CFM	2550	2581
Fan RPM	1241	984
Fan Rotation	-	CCW
Motor RPM	-	984
System SetPt	-	50.7 Hz
RL Voltage	-	97
RL Amperage	-	4.5
Total ESP	1.45"	1.21"
Fan Inlet SP	-	-1.21"
Fan Discharge SP	-	ATM

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## Unit Data - PHOTO LOG



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Project: 01-12-26 CHIPOTLE #5879 ALEXANDRIA, MN  
(BROADWAY)

## System/Unit: FAN - Exhaust

Asset: EF2

AREA:RESTROOMS

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	DR12HFA	DR12HFA
Serial Num	-	7515473
Type	CENTRIFUGAL	CENTRIFUGAL
Configuration	DOWNBLAST	DOWNBLAST

Motor Data		
	Design	Actual
Motor MFG	-	TELCO
Frame	-	NL
Horsepower	0.25	0.25
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	NL
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	150	153
Fan RPM	1316	902
Fan Rotation	-	CCW
Motor RPM	-	902
System SetPt	-	48%
RL Voltage	-	120
RL Amperage	-	0.36
Total ESP	0.60"	0.24"
Fan Inlet SP	-	-0.24"
Fan Discharge SP	-	ATM

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## Unit Data - PHOTO LOG



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(BROADWAY)

## FAN - Exhaust

Diffuser Ret/Exh (GRD)

### EF2/RESTROOMS

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	RESTROOM	ER1	12X12	75	1.0	83	68	74	98.7
EGRD2	RESTROOM	ER1	12X12	75	1.0	109	87	79	105.3
Total				150		192	155	153	102%

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## System/Unit: FAN - Supply

Asset: MAU1

AREA: KITCHEN HD

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	A1-D.250-15D	A1-D.250-15D
Serial Num	-	7515473
Type	MAU	MAU
Configuration	VERTICAL DISCHARGE	VERTICAL DISCHARGE

Test Data		
	Design	Actual
CFM	1300	1269
SF RPM	1546	1363
Motor RPM	-	1363
SF System SetPt	-	47.0 Hz
RL Voltage	-	116
RL Amperage	-	2.1

Motor Data		
	Design	Actual
Motor MFG	-	TECO
Frame	-	143T
Horsepower	1.00	1.0
Motor Rpm	-	1740
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	2.9
Service Factor	-	1.15

General	
	Actual
Fan Rotation Correct	YES

Gas Heat		
	Design	Actual
Heater Operates (y/n)	-	YES
Flame Status (pass/fail)	-	PASS
Inlet Air Temp SetPt	55.0 F	55.0 F
Discharge Air Temp SetPt	60.0 F	60.0 F
Air Flow Switch SP Actual	-	0.29"

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Project: 01-12-26 CHIPOTLE #5879 ALEXANDRIA, MN  
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## System/Unit: Kitchen Hood Type I

Asset: HD1

AREA: KITCHEN

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	5424 ND-2-ACPSP-F	5424 ND-2-ACPSP-F
Job / Serial Num	-	7515473
Type	TYPE I CANOPY	TYPE I CANOPY
Hood length	153"	153'
Hood Width	54"	54"
Supply Plenum Type	-	ACPSP
Supply Plenum Width	9"	9"
Supply Plenum Length	165"	165"

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO	CAPTRATE SOLO
Filter Size 1	16x16	16x16
Filter Qty 1	9	9
Filter AK factor size 1	1.62	1.62
Filter Total AK Area	14.58	14.58
Filter1 FPM	-	160
Filter2 FPM	-	180
Filter3 FPM	-	177
Filter4 FPM	-	196
Filter5 FPM	-	203
Filter6 FPM	-	209
Filter7 FPM	-	168
Filter8 FPM	-	155
Filter9 FPM	-	148
Filter Ave FPM(corr)	-	177
CFM	2550	2581

Cooking Equipment	
	Actual
Item 1	FRYER
Item 2	RICE COOKER
Item 3	RANGE
Item 4	GRIDDLE

Test Data Supply		
	Design	Actual
Total Area	10.31	10.31
Kv factor (Vel)	0.81	0.81
Num of Readings	-	13
Reading1 FPM	-	138
Reading2 FPM	-	142
Reading3 FPM	-	140
Reading4 FPM	-	122
Reading5 FPM	-	139
Reading6 FPM	-	151
Reading7 FPM	-	142
Reading8 FPM	-	144
Reading9 FPM	-	148
Reading10 FPM	-	165
Reading11 FPM	-	169
Reading12 FPM	-	187
Reading13 FPM	-	191
Ave FPM(corr)	-	152
CFM	1300	1269

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