

Report By:

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Report: TAB Report
Function: Test, Adjust, & Balance
Date: 07/31/2025
Completed By: National TAB

PROJECT

07-28-25 CHIPOTLE #5480 FREDERICK, CO

6160 SILVERSTONE DR

FREDERICK, CO 80504

Client

Chipotle Mexican Grill
610 Newport Center Drive, Suite 1100
Newport Beach, CA 92660

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Project: 07-28-25 CHIPOTLE #5480 FREDERICK, CO

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Project: 07-28-25 CHIPOTLE #5480 FREDERICK, CO

System/Unit: AHU/RTU



Asset: RTU1

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	0524P63215
Model Num	48FCFN09	48FCFN09
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	35.5"X19.5"
Num Final Filter 1	-	4
Final Filter Size 1	-	19.5"X19.5"
Num Final Filter 2	-	
Final Filter Size 2	-	

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

Drive Data	
	Actual
Motor Sheave Size	DD
Motor Bore Size	DD
Motor Sheave SetPt	DD
Fan Sheave Size	DD
Fan Sheave Bore	DD
Belt CL Distance	DD
Num of Belts	DD
Belt Size	DD
Belt Alignment	DD

Test Data		
	Design	Actual
SF CFM	3400	3428
SF RPM	-	1818
RA CFM	2650	
OA CFM	750	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
SF System SetPt	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	ES5

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.8"	
Fan Total SP	-	

General	
	Actual
Fan Rotation Correct	
Unit Filters Clean	
Condensate Drain Installed	

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Project:07-28-25 CHIPOTLE #5480 FREDERICK, CO

AHU/RTU



Diffuser Supply (GRD)

RTU1/KITCHEN

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	KITCHEN	CD1	10"	400	1	593	304	387	96.8
SGRD2	KITCHEN	CD1	10"	350	1	658	292	375	107.1
SGRD3	KITCHEN HD	ACPSP	165X6	696	5.36	1099	1313	766	110.1
SGRD4	SERVING	CD1	10"	400	1	317	266	387	96.8
SGRD5	SERVING	CD1	10"	400	1	164	146	390	97.5
SGRD6	SERVING	CD1	10"	400	1	269	248	387	96.8
SGRD7	BOH	CD1	10"	300	1	706	269	295	98.3
SGRD8	BOH	CD1	10"	300	1	102	104	295	98.3
SGRD9	OFFICE	CD1	8"	150	1	104	102	146	97.3
Total				3396		4012	3044	3428	100.94%

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Project: 07-28-25 CHIPOTLE #5480 FREDERICK, CO

System/Unit: AHU/RTU



Asset: RTU2

AREA:DINING

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	
Model Num	48FCFN09	48FCFN09
Type	RTU	
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

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

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	
Belt Alignment	

Test Data		
	Design	Actual
SF CFM	3400	
SF RPM	-	
RA CFM	2650	
OA CFM	750	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
SF System SetPt	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.8"	
Fan Total SP	-	

General	
	Actual
Fan Rotation Correct	
Unit Filters Clean	
Condensate Drain Installed	

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Project:07-28-25 CHIPOTLE #5480 FREDERICK, CO

AHU/RTU



Diffuser Supply (GRD)

RTU2/DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	BEVERAGE AREA	SR2	18/6	400	0.63	236	309	406	101.5
SGRD2	BEVERAGE AREA	SR2	18/6	500	0.63	317	357	484	96.8
SGRD3	DINING	SR1	12"	500	1	362	579	485	97.0
SGRD4	DINING	SR1	12"	500	1	522	436	506	101.2
SGRD5	DINING	SR1	12"	500	1	395	432	515	103.0
SGRD6	DINING	SR1	12"	500	1	410	575	462	92.4
SGRD7	DINING	SR1	12"	500	1	532	372	493	98.6
Total				3400		2774	3060	3351	98.56%

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Project: 07-28-25 CHIPOTLE #5480 FREDERICK, CO

System/Unit: FAN - Exhaust



Asset: EF1

AREA:KITCHEN HD

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	DU180HFA	DU180HFA
Serial Num	-	7167846
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	2.000	
Motor Rpm	-	
Phase	3	
Voltage (rated)	208	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	2550	2609
Fan RPM	1304	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	53Hz
RL Voltage	-	
RL Amperage	-	
Total ESP	1.450"	
Fan Inlet SP	-	
Fan Discharge SP	-	

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Project: 07-28-25 CHIPOTLE #5480 FREDERICK, CO

System/Unit: FAN - Exhaust



Asset: EF2

AREA:RESTROOM

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	DR12HFA	DR12HFA
Serial Num	-	7167846
Type	DOWNBLAST	DOWMBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	TELECO GREEN
Frame	-	
Horsepower	0.25	0.25
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	2.9
Service Factor	-	

Test Data		
	Design	Actual
CFM	150	
Fan RPM	1402	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.600"	
Fan Inlet SP	-	
Fan Discharge SP	-	

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Project:07-28-25 CHIPOTLE #5480 FREDERICK, CO

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF2/RESTROOM

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	RESTROOMS	ER1	6/6	75	1	103	63	79	105.3
EGRD2	RESTROOMS	ER1	6/6	75	1	91	55	71	94.7
Total				150		194	118	150	100%

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Project: 07-28-25 CHIPOTLE #5480 FREDERICK, CO

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	-	7167664
Type	MAU	MAU
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	TECO
Frame	-	N/L
Horsepower	1.000	1
Motor Rpm	-	1740
Phase	3	3
Voltage (rated)	208	230
Amperage (rated)	-	2.9
Service Factor	-	1

Gas Heat		
	Design	Actual
Heater Operates (y/n)	-	
Flame Status (pass/fail)	-	
Inlet Air Temp SetPt	55	
Discharge Air Temp SetPt	60	
Air Flow Switch SP Actual	-	

Test Data		
	Design	Actual
CFM	1300	1319
SF RPM	1667	
Motor RPM	-	
SF System SetPt	-	50.2Hz
RL Voltage	-	
RL Amperage	-	
Total ESP	-	
Fan Discharge SP	-	

General	
	Actual
Fan Rotation Correct	

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Project: 07-28-25 CHIPOTLE #5480 FREDERICK, CO

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	-	7167846
Type	TYPE 1 CANOPY	TYPE 1
Hood length	153"	
Hood Width	54"	
Supply Plenum Type	-	
Supply Plenum Width	9"	9"
Supply Plenum Length	165"	165"

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO FILTER	
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	-	156
Filter2 FPM	-	169
Filter3 FPM	-	197
Filter4 FPM	-	219
Filter5 FPM	-	167
Filter6 FPM	-	204
Filter7 FPM	-	166
Filter8 FPM	-	169
Filter9 FPM	-	165
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	
CFM	2550	2609

Cooking Equipment	
	Actual
Item 1	
Item 2	
Item 3	
Item 4	
Item 5	

Test Data Supply		
	Design	Actual
Total Area	10.31	
Kv factor (Vel)	0.81	
Num of Readings	-	9
Reading1 FPM	-	229
Reading2 FPM	-	132
Reading3 FPM	-	137
Reading4 FPM	-	176
Reading5 FPM	-	142
Reading6 FPM	-	145
Reading7 FPM	-	112
Reading8 FPM	-	192
Reading9 FPM	-	159
Reading10 FPM	-	
Reading11 FPM	-	
Reading12 FPM	-	
Reading13 FPM	-	
Reading14 FPM	-	
Ave FPM(corr)	-	
CFM	1300	