Report By:

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Report: TAB Report

Function: Test, Adjust, & Balance

Date: 08/15/2025

Completed By: National TAB

PROJECT

08-11-25 CHIPOTLE #5695 ROME, NY

1790 BLACK RIVER BLVD N

ROME, NY 13440

Client

Chipotle Mexican Grill

610 Newport Center Drive, Suite 1100

Newport Beach, CA 92660

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Project: 08-11-25 CHIPOTLE #5695 ROME, NY

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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 are further details 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.

FCU's w/ Diffusers
Each of the FCU's were measured at their terminal devices utilizing a flow hood. The sum of these readings is equal to the total flow for that particular unit. The total flow of each FCU was then adjusted to within tolerance of the specified design. Each terminal diffuser was balanced to within tolerance of the engineer's design volume utilizing the provided hand damper located at the takeoff of the main & branch trunk line(s). Any equipment that fell outside of this tolerance is noted throughout the report.

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.

Ceiling Exhaust Fans
The ceiling exhaust fans were measured using a flow hood. If speed adjustment was provided, the fan speed was adjusted to within design tolerance. Any equipment 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.

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Project: 08-11-25 CHIPOTLE #5695 ROME, NY

System/Unit: AHU/RTU

Asset: RTU1 AREA:DINING ROOM

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	0524P63325
Model Num	48FCFN09D3M5-6W4F0	48FCFN09D3M5A6W4F0
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	36X20.5X0.875
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2

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

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

Test Data		
	Design	**Actual**
SF CFM	3400	3453
SF RPM	-	1672
RA CFM	2435	2433
OA CFM	965	1020
RL Voltage	-	212.2/210.1/210.5
RL Amperage	-	4.69/4.23/4.63
SF Rotation	-	CCW
SF System SetPt	-	7.23 V
RA Damper Position	-	NA
Min OA Damper Position	-	5.5 V
Min OA Damper Type	-	NL
OA Enthalpy Setpt	-	ES5

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.74”
Fan Suction SP	-	-1.13”
Fan Discharge SP	-	0.62”
Total ESP	.80"	1.36”
Fan Total SP	-	1.75”

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

Completed By: Ryan Smith on 08/12/2025

Unit Data - PHOTO LOG

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Project:08-11-25 CHIPOTLE #5695 ROME, NY

AHU/RTU

Diffuser Supply (GRD)

RTU1/DINING ROOM

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	DINING	SR1	14"	500	1	832	679	502	100.4
SGRD2	DINING	SR1	14"	500	1	780	619	520	104.0
SGRD3	DINING	SR1	14"	500	1	781	614	542	108.4
SGRD4	DINING	SR1	14"	500	1	613	437	536	107.2
SGRD5	DINING	SR1	14"	500	1	712	542	521	104.2
SGRD6	DINING	SR1	14"	400	1	290	214	427	106.8
SGRD7	DINING	SR1	14"	400	1	295	225	405	101.3
Total				3300		4303	3330	3453	104.64%

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Project: 08-11-25 CHIPOTLE #5695 ROME, NY

System/Unit: AHU/RTU

Asset: RTU2 AREA:KITCHEN

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	3222P61228
Model Num	48HCED08A2M5-6F4J0	48HCED08A2M5A6F4J0
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	36X20.5X0.875
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2

Motor Data		
	Design	**Actual**
Motor MFG	-	MARATHON MOTORS
Frame	-	56HZ
Horsepower	-	NL
Motor Rpm	-	1670
Phase	3	3
Rated Voltage	208	230
Rated Amperage	-	6.6

Drive Data	
	Actual
Motor Sheave Size	4”
Motor Bore Size	0.5625”
Motor Sheave SetPt	0 TURNS OUT
Fan Sheave Size	7.25”
Fan Sheave Bore	1”
Belt CL Distance	16”
Num of Belts	1
Belt Size	A48
Belt Alignment	GOOD

Test Data		
	Design	**Actual**
SF CFM	3560	3365
SF RPM	-	879
RA CFM	2960	2792
OA CFM	600	573
RL Voltage	-	210.6/210/212.1
RL Amperage	-	6.3/7.5/7.5
SF Rotation	-	CCW
SF System SetPt	-	0 TURNS OUT
RA Damper Position	-	NA
Min OA Damper Position	-	4.1 V
Min OA Damper Type	-	NL
OA Enthalpy Setpt	-	ES3

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.61”
Fan Suction SP	-	-1.02”
Fan Discharge SP	-	0.78”
Total ESP	.80"	1.39”
Fan Total SP	-	1.8”

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

Completed By: Ryan Smith on 08/12/2025

Unit Data - PHOTO LOG

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Project:08-11-25 CHIPOTLE #5695 ROME, NY

AHU/RTU

Diffuser Supply (GRD)

RTU2/KITCHEN

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	DINING	CD2	8"	250	1	24	167	189	75.6
SGRD2	HOOD AC	ACPSP	165X9	696	0.76	883	1003	758	108.9
SGRD3	KITCHEN	CD2	8"	250	1	153	180	210	84.0
SGRD4	KITCHEN	CD2	8"	250	1	147	168	183	73.2
SGRD5	KITCHEN	CD2	8"	250	1	182	198	221	88.4
SGRD6	KITCHEN	CD2	8"	250	1	195	220	259	103.6
SGRD7	KITCHEN	CD1	12"	485	1	474	551	454	93.6
SGRD8	KITCHEN	CD1	12"	485	1	303	350	401	82.7
SGRD9	KITCHEN	CD1	12"	485	1	341	400	445	91.8
SGRD10	KITCHEN	CD3	8"	150	1	158	185	140	93.3
SGRD11	RESTROOM HALL	CD3	6"	50	1	74	81	50	100.0
SGRD12	RESTROOM	CD3	6"	50	1	83	82	55	110.0
Total				3651		3017	3585	3365	92.17%

Completed By: Ryan Smith on 08/12/2025

Asset	Notes	Date	Written By
SGRD2	Area 165X6 K Factor 0.76 14 Readings 158 CFM 146 CFM 164 CFM 148 CFM 165 CFM 118 CFM 140 CFM 125 CFM 118 CFM 154 CFM 134 CFM 172 CFM 143 CFM 150 CFM Ave 145 CFM	08/12/2025	Ryan Smith

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Project: 08-11-25 CHIPOTLE #5695 ROME, NY

System/Unit: FAN - Exhaust

Asset: EF1 AREA:HOOD FAN

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU180HFA	DU180HFA
Serial Num	-	7166885
Type	UPBLAST/CEILING	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TECO Westinghouse
Frame	-	184T
Horsepower	2	2
Motor Rpm	1228	1170
Phase	3	3
Voltage (rated)	208	230
Amperage (rated)	-	6
Service Factor	-	1.15

Test Data		
	Design	**Actual**
CFM	2550	2493
Fan RPM	-	1172
Fan Rotation	-	CCW
Motor RPM	-	1172
System SetPt	-	60.1 Hz
RL Voltage	-	139 V VFD
RL Amperage	-	5.7 A VFD
Total ESP	1.450"	1.57”
Fan Inlet SP	-	-1.57”
Fan Discharge SP	-	ATM

Completed By: Ryan Smith on 08/12/2025

Unit Data - PHOTO LOG

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Project: 08-11-25 CHIPOTLE #5695 ROME, NY

System/Unit: FAN - Exhaust

Asset: EF2 AREA:RESTROOM

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DR12HFA	DR12HFA
Serial Num	-	7166885
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TELCO GREEN
Frame	-	NL
Horsepower	.250	0.25
Motor Rpm	1293	1800
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	2.82
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	150	154
Fan RPM	-	823
Fan Rotation	-	CCW
Motor RPM	-	823
System SetPt	-	45%
RL Voltage	-	NA
RL Amperage	-	0.38 A
Total ESP	.60"	0.18”
Fan Inlet SP	-	-0.18”
Fan Discharge SP	-	ATM

Completed By: Ryan Smith on 08/12/2025

Unit Data - PHOTO LOG

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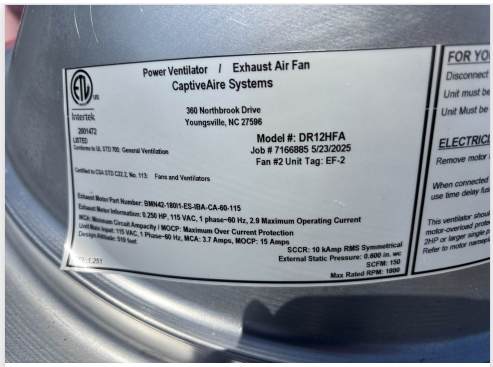

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Project:08-11-25 CHIPOTLE #5695 ROME, NY

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	RESTROOM	ER1	6"	75	1	143	80	80	106.7
EGRD2	RESTROOM	ER1	6"	75	1	154	74	74	98.7
Total				150		297	154	154	102.67%

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Project: 08-11-25 CHIPOTLE #5695 ROME, NY

System/Unit: FAN - Supply

Asset: MUA1 AREA:HOOD MUA

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	A1-D250.-15D	A1-D.250-15D
Serial Num	-	7166885
Type	MUA	MUA
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TECO Westinghouse
Frame	-	143T
Horsepower	1	1
Motor Rpm	1553	1740
Phase	3	3
Voltage (rated)	208	230
Amperage (rated)	-	2.9
Service Factor	-	1.15

Gas Heat		
	Design	**Actual**
Heater Operates (y/n)	-	NA
Flame Status (pass/fail)	-	NA
Inlet Air Temp SetPt	-	55
Discharge Air Temp SetPt	-	60
Air Flow Switch SP Actual	-	0.3”

Test Data		
	Design	**Actual**
CFM	1300	1328
SF RPM	-	1398
Motor RPM	-	1398
SF System SetPt	-	48.2 Hz
RL Voltage	-	120 V VFD
RL Amperage	-	2.2 A VFD
Total ESP	-	0.43”
Fan Discharge SP	-	0.43”

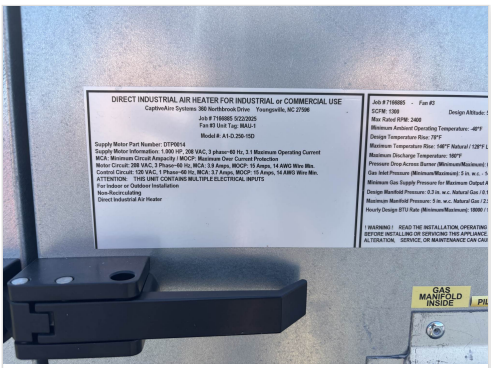
General	
	Actual
Fan Rotation Correct	YES

Completed By: Ryan Smith on 08/12/2025

Notes:
Store has not been connected to gas utility. Unable to fill out Gas Heat information.

Written By: Ryan Smith on 08/12/2025

Unit Data - PHOTO LOG



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Project: 08-11-25 CHIPOTLE #5695 ROME, NY

System/Unit: Kitchen Hood Type I

Asset: HD1 AREA:KITCHEN HOOD

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	5424 ND-2-ACPSP-F	5424 ND-2-ACPSP-F
Job / Serial Num	-	7166885
Type	TYPE I - CANOPY	TYPE I - CANOPY
Hood length	165"	153"
Hood Width	54"	54"
Supply Plenum Type	-	AC-PSP
Supply Plenum Width	9"	9"
Supply Plenum Length	165"	165"

Test Data Exhaust		
	Design	**Actual**
Filter Type	CAPTRATE SOLO FILTER	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	-	163
Filter2 FPM	-	162
Filter3 FPM	-	168
Filter4 FPM	-	192
Filter5 FPM	-	206
Filter6 FPM	-	188
Filter7 FPM	-	163
Filter8 FPM	-	154
Filter9 FPM	-	139
Filter Ave FPM(corr)	-	171
CFM	2550	2493

Cooking Equipment	
	Actual
Item 1	DEEP FRYER
Item 2	BOILER
Item 3	6 BURNER STOVE
Item 4	PLANCHA

Test Data Supply		
	Design	**Actual**
Total Area	10.31	10.31
Kv factor (Vel)	.81	0.81
Num of Readings	-	13
Reading1 FPM	-	180
Reading2 FPM	-	168
Reading3 FPM	-	172
Reading4 FPM	-	173
Reading5 FPM	-	170
Reading6 FPM	-	165
Reading7 FPM	-	148
Reading8 FPM	-	118
Reading9 FPM	-	132
Reading10 FPM	-	163
Reading11 FPM	-	158
Reading12 FPM	-	144
Reading13 FPM	-	173
Ave FPM(corr)	-	159
CFM	1300	1328

Completed By: Ryan Smith on 08/12/2025

Unit Data - PHOTO LOG

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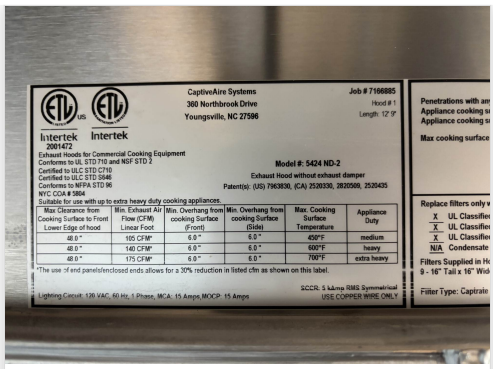

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