

**Report By:**

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



**Report: TAB**

**Function: Test, Adjust, & Balance**

**Date: 10/14/2025**

**Completed By: National TAB**

# PROJECT

**09-29-25 CHIPOTLE #5401 OAKLEY, CA  
(LAUREL & OHARA)**

998 LAUREL RD

OAKLEY, CA 94561

## Client

Chipotle Mexican Grill  
610 Newport Center Drive, Suite 1100

Newport Beach, CA 92660

# National TAB

Project: 09-29-25 CHIPOTLE #5401 OAKLEY, CA (LAUREL & OHARA)

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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 is further detail 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.

### RTU's (Roof Top Units) w/ Diffusers

Each of the RTU's were measured at their terminal devices or via traverse to establish a total flow for that unit. Each RTU was adjusted to within tolerance of the engineer's design flow. Each outlet was then adjusted to within tolerance of the design flow. Outside air was measured by reading the intake air opening with a velocity grid and multiplying by the free area. The outside air damper was adjusted until the airflow was within the design requirements. Any equipment that fell outside of that 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.

### General Exhaust Fans w/ Grilles

The general exhaust fans were measured by reading each air device with a flow hood. The total airflow for each fan is equivalent to the sum of these readings. Fan speed was then adjusted so that the airflow was within tolerance of design. Each terminal device was balanced to within tolerance of the design volume using the installed volume dampers. 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.

### AIR BALANCE SCHEDULE

UNIT	AREA SERVED	HVAC SUPPLY		HVAC RETURN		HVAC OUTDOOR		OA %		HOOD MAKE-UP		HOOD EXHAUST		GENERAL EXH.	
		DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
RTU-1	KITCHEN	4000	4022	3500	3511	500	511	12.5%	12.7%						
RTU-2	DINING	4000	4018	3000	2947	1000	1071	25.0%	26.7%						
EF-1	COOK LINE											2550	2609		
EF-2	BATHROOM													150	149
MAU-1	HOOD									1300	1311				
<b>TOTALS</b>		8000	8040	6500	6458	1500	1582			1300	1311	2550	2609	150	149

#### NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	2800	2893
TOTAL EXHAUST	2700	2758
<b>NET AIRFLOW</b>	<b>100</b>	<b>135</b>

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H2O)
FRONT	0.0068
SIDE	
REAR	0.0013
<b>AVERAGE</b>	<b>0.0041</b>

#### FINAL CHECKS

- ACTUAL NET AIRFLOW COINCIDES WITH DESIGN: ✓

---

- MEASURED PRESSURES COINCIDES WITH ACTUAL NET AIRFLOW: ✓

---

- PRESSURE FALLS WITHIN IMC TOLERANCE OF +/-0.02" W.C. ✓

NOTES:

## CheckList List

- 01: RTU'S/AHU'S
- 02: EF'S
- 03:MAU
- 04:Hoods
- 05: Final Tests



09-29-25 CHIPOTLE #5401 OAKLEY, CA (LAUREL & OHARA)

CheckList Information

**Name :** 01: RTU'S/AHU'S **Status :** Completed

**Assigned Organization :** National TAB **Asset :**

**Requesting Organization :** National TAB

**Created Date :** 07/22/2025 - Kyle Henry - National TAB

**Completed Date :** 10/13/2025 - Zack Eismin - National TAB

CheckList Item Details

RTU's/AHU's

Thermostats installed and have power?	Yes
---------------------------------------	-----

Comment:

All diffusers and grilles are installed and match design?	Yes
---	-----

Comment:

Deflector plates are removed from 1x1 diffusers on the serve line (double check that this is specified on the diffuser schedule first)	Yes
--	-----

Comment:

Economizer blank plate is installed below the outside air intake (Trane only) (N/A = not applicable)	N/A
--	-----

Comment:

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?**

Yes

**Comment:**

**If direct drive unit is the speed controller working?**

N/A

**Comment:**

**Is gas piping installed and valves turned on?**

No

**Comment:**

**Unit free of noticeable noise and vibration**

Yes

**Comment:**

**Final outside air damper position is marked with permanent marker?**

Yes

**Comment:**



**09-29-25 CHIPOTLE #5401 OAKLEY, CA (LAUREL & OHARA)**

**CheckList Information**

**Name :** 02: EF'S **Status :** Completed  
**Assigned Organization :** National TAB **Asset :**  
**Requesting Organization :** National TAB  
**Created Date :** 07/22/2025 - Kyle Henry - National TAB  
**Completed Date :** 10/14/2025 - Zack Eismin - National TAB

**CheckList Item Details**

EF's

**Rotation is correct?** Yes

**Comment:**

**Belts are tight?** N/A

**Comment:**

**Viroguard installed on hood fan(s)?** 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:**



**09-29-25 CHIPOTLE #5401 OAKLEY, CA (LAUREL & OHARA)**

**CheckList Information**

**Name :** 03:MAU **Status :** Completed  
**Assigned Organization :** National TAB **Asset :**  
**Requesting Organization :** National TAB  
**Created Date :** 07/22/2025 - Kyle Henry - National TAB  
**Completed Date :** 10/14/2025 - Zack Eismin - National TAB

**CheckList Item Details**

MUA

**Rotation is correct?** Yes

**Comment:**

**Gas piping is installed and valves are in on position?** No

**Comment:**

**Internal motorized damper is fully opening?** Yes

**Comment:**

**Motor is operating below the FLA rating?** Yes

**Comment:**

**Unit free of noticeable noise and vibration?** Yes

**Comment:**



**09-29-25 CHIPOTLE #5401 OAKLEY, CA (LAUREL & OHARA)**

**CheckList Information**

**Name :** 04:Hoods **Status :** Completed

**Assigned Organization :** National TAB **Asset :**

**Requesting Organization :** National TAB

**Created Date :** 07/22/2025 - Kyle Henry - National TAB

**Completed Date :** 10/14/2025 - Zack Eismin - National TAB

**CheckList Item Details**

**HOODS**

---

**All hood filters installed and accounted for?** Yes

**Comment:**

---

**Hoods are wired and have power?** Yes

**Comment:**

---

**Hood is free of alarms?** Yes

**Comment:**

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**Hood is free of damage?** Yes

**Comment:**

---

**Quarter or full vertical end panels are installed if specified?** Yes

**Comment:**



**09-29-25 CHIPOTLE #5401 OAKLEY, CA (LAUREL & OHARA)**

**CheckList Information**

**Name :** 05: Final Tests **Status :** Completed

**Assigned Organization :** National TAB **Asset :**

**Requesting Organization :** National TAB

**Created Date :** 07/22/2025 - Kyle Henry - National TAB

**Completed Date :** 10/14/2025 - Zack Eismin - National TAB

**CheckList Item Details**

**FINAL CHECKS**

**Is space free of drafting?** Yes

**Comment:**

**Is space comfortable in all areas?** Yes

**Comment:**

**Is the space free of ventilation noise?** Yes

**Comment:**

**List kitchen equipment turned on for testing** N/A

**Comment:**

**List smoke candle type used**

**Comment:**

45 SECONDS

**HOOD CAPTURE TEST**

**Smoke test capture % - Perimeter of hood**

**Comment:**

100%

---

**Smoke test capture % - Top of cooking surface**

**Comment:**

100%

---

**WITNESS**

---

**Date test was completed**

10/13/2025

**Comment:**

---

**TAB tech name / Firm**

**Comment:**

ZACK / NATIONAL TAB

---

**Site super name / Firm**

**Comment:**

JACK / AMERICO

---

**Owner representative name / Firm (if Applicable)**

**Comment:**

N/A

---

**BUILDING PRESSURE**

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

Pass

**Comment:**

0.0041"

# National TAB

Project: 09-29-25 CHIPOTLE #5401 OAKLEY, CA (LAUREL & OHARA)



## System/Unit: AHU/RTU

Asset: RTU1

AREA: KITCHEN

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	4422P67317
Model Num	48FCNF12	48HCFD11A2M5A6F4J0
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	35X19
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56HZ
Horsepower	-	NL
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	9.2

Drive Data	
	Actual
Motor Sheave Size	4-3/4"
Motor Bore Size	7/8"
Motor Sheave SetPt	1 TURN OPEN
Fan Sheave Size	AFD74
Fan Sheave Bore	1"
Belt CL Distance	17"
Num of Belts	1
Belt Size	AX49
Belt Alignment	VERIFIED

Test Data		
	Design	Actual
SF CFM	4000	4022
SF RPM	-	975
RA CFM	3500	3511
OA CFM	500	511
RL Voltage	-	212/212/212
RL Amperage	-	6.4/6.4/6.4
SF Rotation	-	CCW
SF System SetPt	-	1 TURN OPEN
RA Damper Position	-	85%
Min OA Damper Position	-	15%
Min OA Damper Type	-	MOTORIZED
OA Enthalpy Setpt	-	ES5

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.61"
Fan Suction SP	-	1.02"
Fan Discharge SP	-	0.90"
Total ESP	1.0"	1.51"
Fan Total SP	-	1.92"

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

Completed By: Zack Eismin on 10/03/2025

## Unit Data - PHOTO LOG



10/03/2025

# National TAB

Project:09-29-25 CHIPOTLE #5401 OAKLEY, CA (LAUREL & OHARA)

## 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	BACK	CD1	8"	150	1	86	91	161	107.3
SGRD2	BACK	CD1	10"	300	1	499	509	309	103.0
SGRD3	BACK	CD1	12"	450	1	502	513	478	106.2
SGRD4	BACK	CD1	12"	500	1	821	839	489	97.8
SGRD5	KITCHEN	CD1	12"	500	1	311	349	479	95.8
SGRD6	KITCHEN	CD2	8"	350	1	66	69	366	104.6
SGRD7	KITCHEN	CD2	8"	350	1	82	86	321	91.7
SGRD8	KITCHEN	CD2	8"	350	1	69	73	319	91.1
SGRD9	KITCHEN	CD2	8"	350	1	336	389	341	97.4
SGRD10	HOOD	ACPSP	165X6	696	5.36	938	1121	759	109.1
Total				3996		3710	4039	4022	100.65%

Completed By: Zack Eismin on 10/03/2025

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Project: 09-29-25 CHIPOTLE #5401 OAKLEY, CA (LAUREL & OHARA)



## System/Unit: AHU/RTU

Asset: RTU2

AREA: DINING

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	4422P67488
Model Num	48FCNF12	48HCDD11A2M5A6F4J0
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	35X19
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56HZ
Horsepower	-	NL
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	9.2

Drive Data	
	Actual
Motor Sheave Size	4-3/4"
Motor Bore Size	7/8"
Motor Sheave SetPt	3 TURNS OPEN
Fan Sheave Size	AFD74
Fan Sheave Bore	1"
Belt CL Distance	17"
Num of Belts	1
Belt Size	AX49
Belt Alignment	VERIFIED

Test Data		
	Design	Actual
SF CFM	4000	4018
SF RPM	-	789
RA CFM	3000	2947
OA CFM	1000	1071
RL Voltage	-	212/212/212
RL Amperage	-	5.3/5.3/5.3
SF Rotation	-	CCW
SF System SetPt	-	5 TURNS OPEN
RA Damper Position	-	75%
Min OA Damper Position	-	25%
Min OA Damper Type	-	MOTORIZED
OA Enthalpy Setpt	-	ES5

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.51"
Fan Suction SP	-	-0.89"
Fan Discharge SP	-	0.72"
Total ESP	1.0"	1.23"
Fan Total SP	-	1.61"

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

Completed By: Zack Eismin on 10/03/2025

## Unit Data - PHOTO LOG



10/03/2025

# National TAB

Project:09-29-25 CHIPOTLE #5401 OAKLEY, CA (LAUREL & OHARA)

## 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	DINING	SR1	14"	800	1	961	811	811	101.4
SGRD2	DINING	SR1	14"	800	1	1032	821	821	102.6
SGRD3	DINING	SR1	14"	800	1	1055	803	803	100.4
SGRD4	DINING	SR1	14"	800	1	875	789	789	98.6
SGRD5	DINING	SR2	6"	350	1	644	341	341	97.4
SGRD6	DINING	SR2	6"	350	1	0	357	357	102.0
SGRD7	RESTROOM	CD3	6"	50	1	35	47	47	94.0
SGRD8	RESTROOM	CD3	6"	50	1	41	49	49	98.0
Total				4000		4643	4018	4018	100.45%

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# National TAB

Project: 09-29-25 CHIPOTLE #5401 OAKLEY, CA (LAUREL & OHARA)



## System/Unit: FAN - Exhaust

Asset: EF1

AREA: KITCHEN

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU180HFA	DU180HFA
Serial Num	-	7416016
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	TECO
Frame	-	184T
Horsepower	2	2
Motor Rpm	-	1165
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	6.56
Service Factor	-	1.15

Test Data		
	Design	Actual
CFM	2550	2609
Fan RPM	-	1003
Fan Rotation	-	CCW
Motor RPM	-	1003
System SetPt	-	51.7HZ
RL Voltage	-	212/212/212
RL Amperage	-	3.79/3.79/3.79
Total ESP	1.45"	1.17"
Fan Inlet SP	-	-1.17"
Fan Discharge SP	-	ATM

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### Unit Data - PHOTO LOG



10/03/2025

# National TAB

Project: 09-29-25 CHIPOTLE #5401 OAKLEY, CA (LAUREL & OHARA)



## System/Unit: FAN - Exhaust

Asset: EF2

AREA:RESTROOM

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DR12HFA	DR12HFA
Serial Num	-	7416016
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	TELCO GREEN
Frame	-	NL
Horsepower	.18	0.25
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	2.9
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	150	149
Fan RPM	-	1226
Fan Rotation	-	CCW
Motor RPM	-	1226
System SetPt	-	62%
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.60"	0.43"
Fan Inlet SP	-	-0.43"
Fan Discharge SP	-	ATM

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### Unit Data - PHOTO LOG



10/03/2025

# National TAB

Project:09-29-25 CHIPOTLE #5401 OAKLEY, CA (LAUREL & OHARA)

## 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	6X6	75	1	72	72	72	96.0
EGRD2	RESTROOM	ER1	6X6	75	1	77	77	77	102.7
Total				150		149	149	149	99.33%

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# National TAB

Project: 09-29-25 CHIPOTLE #5401 OAKLEY, CA (LAUREL & OHARA)



## System/Unit: FAN - Supply

Asset: MAU1

AREA:HOOD

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	A1-D.250-15D	A1-D.250-15D
Serial Num	-	7416016
Type	MAU	MAU
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	TECO
Frame	-	143T
Horsepower	1.0	1
Motor Rpm	-	1740
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	2.9
Service Factor	-	1.15

Gas Heat		
	Design	Actual
Heater Operates (y/n)	-	NO
Flame Status (pass/fail)	-	FAIL
Inlet Air Temp SetPt	55	55
Discharge Air Temp SetPt	60	60
Air Flow Switch SP Actual	-	0.45"

Test Data		
	Design	Actual
CFM	1300	1311
SF RPM	-	1644
Motor RPM	-	1644
SF System SetPt	-	56.7HZ
RL Voltage	-	213/212/212
RL Amperage	-	2.5/2.5/2.5
Fan Discharge SP	-	NA

General	
	Actual
Fan Rotation Correct	YES

Completed By: Zack Eismin on 10/03/2025

### Unit Data - PHOTO LOG



10/03/2025

# National TAB

Project: 09-29-25 CHIPOTLE #5401 OAKLEY, CA (LAUREL & OHARA)



## System/Unit: Kitchen Hood Type I

Asset: HD1

AREA: COOK LINE

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	5424 ND-2-ACPSP-F	5424 ND-2-ACPSP-F
Job / Serial Num	-	7416016
Type	TYPE 1 CANOPY	TYPE I CANOPY
Hood length	153"	153"
Hood Width	54"	54"
Supply Plenum Type	-	PERFORATED
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	-	155
Filter2 FPM	-	162
Filter3 FPM	-	167
Filter4 FPM	-	251
Filter5 FPM	-	234
Filter6 FPM	-	169
Filter7 FPM	-	159
Filter8 FPM	-	159
Filter9 FPM	-	158
Filter Ave FPM(corr)	-	179
CFM	2550	2609

Cooking Equipment	
	Actual
Item 1	FLAT TOP GRILL
Item 2	STOVE RANGE
Item 3	RICE COOKER
Item 4	FRYER
Item 5	

Test Data Supply		
	Design	Actual
Total Area	10.31	10.31
Kv factor (Vel)	.81"	0.81
Num of Readings	-	12
Reading1 FPM	-	177
Reading2 FPM	-	161
Reading3 FPM	-	140
Reading4 FPM	-	185
Reading5 FPM	-	177
Reading6 FPM	-	130
Reading7 FPM	-	136
Reading8 FPM	-	164
Reading9 FPM	-	172
Reading10 FPM	-	149
Reading11 FPM	-	151
Reading12 FPM	-	149
Ave FPM(corr)	-	157
CFM	1300	1311

Completed By: Zack Eismin on 10/03/2025

**Unit Data - PHOTO LOG**



**10/03/2025**

