Report By:

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

Report: TAB

Function: Test, Adjust, & Balance

Date: 03/05/2026

Completed By: National TAB

PROJECT

03-02-26 CHIPOTLE #5312 RENTON, WA (NORTH BENSON)

17803 108th Ave SE

RENTON, WA 98055

Client

Chipotle Mexican Grill

610 Newport Center Drive, Suite 1100

Newport Beach, CA 92660

National TAB

Project: 03-02-26 CHIPOTLE #5312 RENTON, WA (NORTH BENSON)

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Project Summary

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.

Issue List

- BOTH RTU'S ECONOMIZERS ARE NOT OPERATIONAL

03-02-26 CHIPOTLE #5312 RENTON, WA (NORTH BENSON)

Project Issue Information

Issue Name :	BOTH RTU'S ECONOMIZERS ARE NOT OPERATIONAL		
Description :	Both RTU-1 and 2's economizers are not operational. Recommended to have economizers inspected.		
Created By :	National TAB	**Assigned To :**	National TAB - Zack Eismin
Status :	Open		
Priority :	High	**Asset Tag :**	
Originated Date :	03/05/2026 - Zack Eismin - National TAB		

NATIONAL TAB

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	3400	3430	2600	2641	800	789	23.5%	23.0%						
RTU-2	DINING	3000	3172	2300	2483	700	689	23.3%	21.7%						
MUA-1	KITCHEN HD									1300	1336				
EF-1	KITCHEN HD											2550	2507		
EF-2	RESTROOM													150	150
TOTALS		6400	6602	4900	5124	1500	1478			1300	1336	2550	2507	150	150

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	2800	2814
TOTAL EXHAUST	2700	2657
NET AIRFLOW	100	157

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H20)
FRONT	0.0051
SIDE	
REAR	0.0023
AVERAGE	**0.0037**

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

03-02-26 CHIPOTLE #5312 RENTON, WA (NORTH BENSON)

CheckList Information

Name :	01: RTU'S/AHU'S	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/16/2025 - Tyce Fox - National TAB		
Completed Date :	03/05/2026 - 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 ouside air intake (Trane only) (N/A = not applicable)	N/A
Comment:	
Economizers are assembled and functional?	No
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?	N/A
Comment:	

If direct drive unit is the speed controller working?	Yes
Comment:	

Is gas piping installed and valves turned on?	Yes
Comment:	

Unit free of noticeable noise and vibration	Yes
Comment:	

Final outside air damper position is marked with permanent marker?	Yes
Comment:	

03-02-26 CHIPOTLE #5312 RENTON, WA (NORTH BENSON)

CheckList Information

Name :	02: EF'S	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/16/2025 - Tyce Fox - National TAB		
Completed Date :	03/05/2026 - Zack Eismin - National TAB		

CheckList Item Details

EF's

Rotation is correct?	Yes
Comment:	
Belts are tight?	
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:	

03-02-26 CHIPOTLE #5312 RENTON, WA (NORTH BENSON)

CheckList Information

Name :	03: MAU	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/16/2025 - Tyce Fox - National TAB		
Completed Date :	03/05/2026 - Zack Eismin - National TAB		

CheckList Item Details

MUA

Rotation is correct?	Yes
Comment:	
Gas piping is installed and valves are in on position?	Yes
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:	

03-02-26 CHIPOTLE #5312 RENTON, WA (NORTH BENSON)

CheckList Information

Name :	04: HOODS	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/16/2025 - Tyce Fox - National TAB		
Completed Date :	03/05/2026 - 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:	
Hood is free of damage?	Yes
Comment:	
Quarter or full vertical end panels are installed if specified?	Yes
Comment:	

03-02-26 CHIPOTLE #5312 RENTON, WA (NORTH BENSON)

CheckList Information

Name :	05: FINAL TESTS	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/16/2025 - Tyce Fox - National TAB		
Completed Date :	03/05/2026 - 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	Yes
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	03/05/2026

Comment:

TAB tech name / Firm

Comment:

ZACK / NATIONAL TAB

Site super name / Firm

Comment:

RODGER / WESTERN CONSTRUCTION

Owner representative name / Firm (if Applicable)

Comment:

BUILDING PRESSURE

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:

National TAB

Project: 03-02-26 CHIPOTLE #5312 RENTON, WA (NORTH BENSON)

System/Unit: AHU/RTU

Asset: RTU1 AREA:KITCHEN

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	0624P64345
Model Num	48FEEM09C2M5-8WAC0	48FCFN09D3M5A6
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	20.5X29.5
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2
Num Final Filter 2	-	
Final Filter Size 2	-	

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

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	3430
SF RPM	-	1859
RA CFM	2600	2641
OA CFM	800	789
RL Voltage	-	208/208/208
RL Amperage	-	5.85/5.85/5.85
SF Rotation	-	CCW
SF System SetPt	-	6.8VDC
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	-	-0.61"
Fan Suction SP	-	-0.88"
Fan Discharge SP	-	0.67"
Total ESP	0.8"	1.28"
Fan Total SP	-	1.55"

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

Completed By: Zack Eismin on 03/05/2026

Unit Data - PHOTO LOG

03/02/2026

National TAB

Project:03-02-26 CHIPOTLE #5312 RENTON, WA (NORTH BENSON)

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	OFFICE	CD1	8"	150	1	46	151	151	100.7
SGRD2	SERVELINE	CD2	8"	250	1	295	261	261	104.4
SGRD3	SERVELINE	CD2	8"	250	1	323	245	245	98.0
SGRD4	SERVELINE	CD2	8"	250	1	238	271	271	108.4
SGRD5	SERVELINE	CD2	8"	250	1	306	248	248	99.2
SGRD6	HOOD	ACPSP	165X6	700	1	756	689	689	98.4
SGRD7	KITCHEN	CD1	12"	325	1	564	327	327	100.6
SGRD8	BACK KITCHEN	CD1	10"	325	1	710	333	333	102.5
SGRD9	BACK KITCHEN	CD1	10"	325	1	314	311	311	95.7
SGRD10	BOH	CD1	12"	350	1	474	363	363	103.7
SGRD11	BOH	CD1	8"	225	1	194	231	231	102.7
Total				3400		4220	3430	3430	100.88%

Completed By: Zack Eismin on 03/05/2026

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Project: 03-02-26 CHIPOTLE #5312 RENTON, WA (NORTH BENSON)

System/Unit: AHU/RTU

Asset: RTU2 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	3225P61701
Model Num	48FEEM08C2M5-8WAC0	48FEEM08C2M5A8
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	-	NL
Frame	-	NL
Horsepower	-	2.4
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	6.4

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	3000	3172
SF RPM	-	1601
RA CFM	2300	2483
OA CFM	700	689
RL Voltage	-	208/208/208
RL Amperage	-	5.1/5.1/5.1
SF Rotation	-	CCW
SF System SetPt	-	6.3VDC
RA Damper Position	-	75%
Min OA Damper Position	-	25%
Min OA Damper Type	-	MOTORIZED
OA Enthalpy Setpt	-	N/A

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.44"
Fan Suction SP	-	-0.66"
Fan Discharge SP	-	0.53"
Total ESP	0.8"	0.97"
Fan Total SP	-	1.19"

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

Completed By: Zack Eismin on 03/05/2026

Unit Data - PHOTO LOG

03/02/2026

National TAB

Project:03-02-26 CHIPOTLE #5312 RENTON, WA (NORTH BENSON)

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	RESTROOM AREA	CD1	8"	200	1	366	211	211	105.5
SGRD2	RESTROOM	CD3	6"	50	1	80	53	53	106.0
SGRD3	ORDERLINE	SR1	14"	350	1	506	371	371	106.0
SGRD4	ORDERLINE	SR1	14"	350	1	532	366	366	104.6
SGRD5	ORDERLINE	SR1	14"	475	1	600	481	481	101.3
SGRD6	ORDERLINE	SR1	14"	425	1	734	433	433	101.9
SGRD7	ORDERLINE	SR1	14"	450	1	729	455	455	101.1
SGRD8	BEVERAGE	SR2	18/6	400	1	182	403	403	100.8
SGRD9	BEVERAGE	SR2	18/6	400	1	297	399	399	99.8
Total				3100		4026	3172	3172	102.32%

Completed By: Zack Eismin on 03/05/2026

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Project: 03-02-26 CHIPOTLE #5312 RENTON, WA (NORTH BENSON)

System/Unit: FAN - Exhaust

Asset: EF1 AREA:HOOD

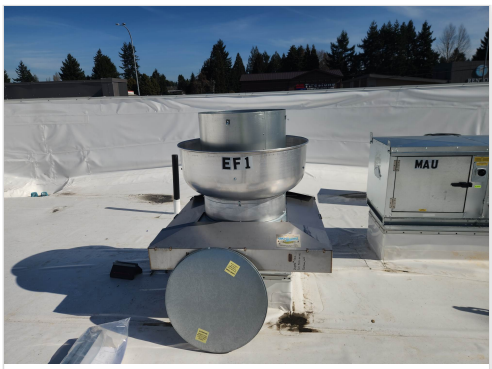
Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU180HFA	DU180HFA
Serial Num	-	7391706
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

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	2507
Fan RPM	1225	986
Fan Rotation	-	CCW
Motor RPM	-	986
System SetPt	-	49.9HZ
RL Voltage	-	212/212/212
RL Amperage	-	4.80/4.80/4.80
Total ESP	1.450"	1.02"
Fan Inlet SP	-	-1.02"
Fan Discharge SP	-	ATM

Completed By: Zack Eismin on 03/05/2026

Unit Data - PHOTO LOG



03/02/2026

National TAB

Project: 03-02-26 CHIPOTLE #5312 RENTON, WA (NORTH BENSON)

System/Unit: FAN - Exhaust

Asset: EF2 AREA:RESTROOM

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DR12HFA	DR12HFA
Serial Num	-	7391706
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TELCO GREEN
Frame	-	NL
Horsepower	0.250	0.25
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	2.9
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	150	150
Fan RPM	1293	1288
Fan Rotation	-	CCW
Motor RPM	-	1288
System SetPt	-	69%
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.600"	0.45"
Fan Inlet SP	-	-0.45"
Fan Discharge SP	-	ATM

Completed By: Zack Eismin on 03/05/2026

Unit Data - PHOTO LOG

03/02/2026

National TAB

Project:03-02-26 CHIPOTLE #5312 RENTON, WA (NORTH BENSON)

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	6/6	75	1	121	77	77	102.7
EGRD2	RESTROOM	ER1	6/6	75	1	45	73	73	97.3
Total				150		166	150	150	100%

Completed By: Zack Eismin on 03/05/2026

National TAB

Project: 03-02-26 CHIPOTLE #5312 RENTON, WA (NORTH BENSON)

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	-	7391706
Type	MAU	MAU
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TECO
Frame	-	143T
Horsepower	1	1
Motor Rpm	1551	1740
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	2.9
Service Factor	-	1.15

Gas Heat		
	Design	**Actual**
Heater Operates (y/n)	-	YES
Flame Status (pass/fail)	-	PASS
Inlet Air Temp SetPt	55	55
Discharge Air Temp SetPt	60	60
Air Flow Switch SP Actual	-	0.43"

Test Data		
	Design	**Actual**
CFM	1300	1336
SF RPM	1551	1687
Motor RPM	-	1687
SF System SetPt	-	58.2HZ
RL Voltage	-	212/212/212
RL Amperage	-	2.95/2.95/2.95
Total ESP	-	NA
Fan Discharge SP	-	NA

General	
	Actual
Fan Rotation Correct	YES

Completed By: Zack Eismin on 03/05/2026

Unit Data - PHOTO LOG

03/02/2026

National TAB

Project: 03-02-26 CHIPOTLE #5312 RENTON, WA (NORTH BENSON)

System/Unit: Kitchen Hood Type I

Asset: HD1 AREA:COOKLINE

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	5424 ND-2-ACPSP-F	5424 ND-2-ACPSP-F
Job / Serial Num	-	7391706
Type	TYPE I 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	-	176
Filter2 FPM	-	166
Filter3 FPM	-	171
Filter4 FPM	-	175
Filter5 FPM	-	177
Filter6 FPM	-	180
Filter7 FPM	-	192
Filter8 FPM	-	156
Filter9 FPM	-	160
Filter Ave FPM(corr)	-	172
CFM	2550	2507

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

Test Data Supply		
	Design	**Actual**
Total Area	10.31	10.31
Kv factor (Vel)	0.81	0.81
Num of Readings	-	12
Reading1 FPM	-	166
Reading2 FPM	-	166
Reading3 FPM	-	152
Reading4 FPM	-	182
Reading5 FPM	-	167
Reading6 FPM	-	143
Reading7 FPM	-	148
Reading8 FPM	-	176
Reading9 FPM	-	158
Reading10 FPM	-	160
Reading11 FPM	-	164
Reading12 FPM	-	140
Ave FPM(corr)	-	160
CFM	1300	1336

Completed By: Zack Eismin on 03/05/2026

Unit Data - PHOTO LOG

03/02/2026

1 M100 **HVAC FLOOR PLAN**

1/4" = 1'-0"

CHIPOTLE MEXICAN
CHIPOTLE MEXICA
PO BOX 18
COLUMBUS, OH
TELEPHONE: 61
INTERNET: WWW.

Date: 3/5/2026