Report By:

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

Report: TAB Report

Function: Test, Adjust, & Balance

Date: 11/21/2025

Completed By: National TAB

PROJECT

11-24-25 CHIPOTLE #5545 HAMMONTON, NJ

65 S WHITE HORSE PIKE

HAMMONTON, NJ 08037

Client

Chipotle Mexican Grill

610 Newport Center Drive, Suite 1100

Newport Beach, CA 92660

National TAB

Project: 11-24-25 CHIPOTLE #5545 HAMMONTON, NJ

Table Of Contents

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

- Diffuser 1-6 Flow
- EF-2 Missing backdraft damper

11-24-25 CHIPOTLE #5545 HAMMONTON, NJ

Project Issue Information

Issue Name : Diffuser 1-6 Flow

Description : Diffuser 1-6 is not reaching design flow, flex connection is choked. Diffuser is unable to be relocated and ductwork routing cannot be improved due to space limitation. Flow is 324/425CFM

Created By : National TAB

Assigned To : National TAB - Tyler Youells

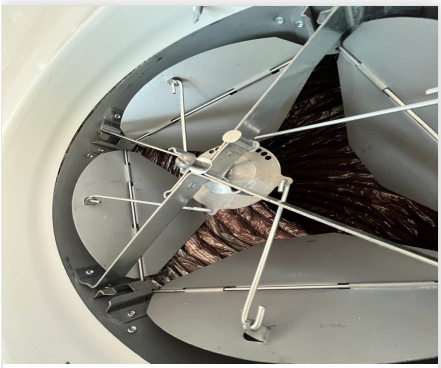
Status : Open

Priority : Medium

Asset Tag :

Originated Date : 11/21/2025 - Tyler Youells - National TAB

Project Issue File Details



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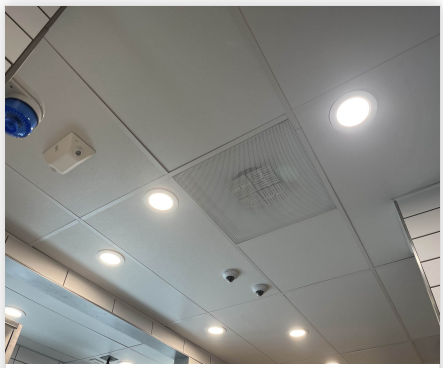

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Project Issue Information

Issue Name : EF-2 Missing backdraft damper

Description : EF-2 does not have a backdraft damper installed, recommend installing so pests and outside air does not enter the space when the fan is off.

Created By : National TAB

Assigned To : National TAB - Tyler Youells

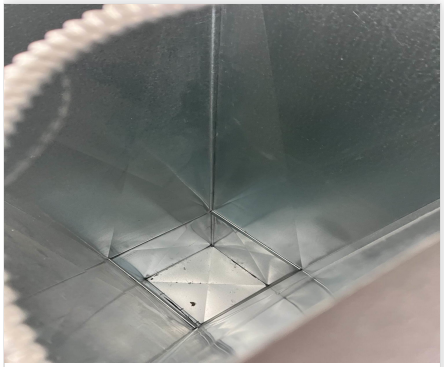
Status : Open

Priority : Low

Asset Tag :

Originated Date : 11/21/2025 - Tyler Youells - National TAB

Project Issue File Details



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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	3313	2635	2553	765	760	22.5%	22.9%						
RTU-2	DINING	3400	3407	2635	2601	765	806	22.5%	23.7%						
MUA-1	KITCHEN HD									1300	1327				
EF-1	KITCHEN HD											2550	2581		
EF-2	RESTROOM													150	155
TOTALS		6800	6720	5270	5154	1530	1566			1300	1327	2550	2581	150	155

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	2830	2893
TOTAL EXHAUST	2700	2736
NET AIRFLOW	130	157

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H20)
FRONT	0.0023
SIDE	
REAR	0.0026
AVERAGE	**0.0025**

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: MUA
- 04: HOODS
- 05: FINAL TESTS

11-24-25 CHIPOTLE #5545 HAMMONTON, NJ

CheckList Information

Name :	01: RTU'S/AHU'S	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	08/29/2025 - Natasha Louw - National TAB		
Completed Date :	11/21/2025 - Tyler Youells - 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?	Yes
Comment:	
DCV Max damper opening position is set to minimum?	N/A
Comment:	

Free cooling enthalpy set point set for lowest setting (Typically "D")	Yes
Comment: ES5 For Carrier/Honeywell	
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:	

11-24-25 CHIPOTLE #5545 HAMMONTON, NJ

CheckList Information

Name :	02: EF'S	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	08/29/2025 - Natasha Louw - National TAB		
Completed Date :	11/21/2025 - Tyler Youells - 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?	No
Comment: Not installed	
Unit free of noticeable noise and vibration?	Yes
Comment:	

11-24-25 CHIPOTLE #5545 HAMMONTON, NJ

CheckList Information

Name :	03: MUA	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	08/29/2025 - Natasha Louw - National TAB		
Completed Date :	11/21/2025 - Tyler Youells - 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:	

11-24-25 CHIPOTLE #5545 HAMMONTON, NJ

CheckList Information

Name :	04: HOODS	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	08/29/2025 - Natasha Louw - National TAB		
Completed Date :	11/21/2025 - Tyler Youells - 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:	

11-24-25 CHIPOTLE #5545 HAMMONTON, NJ

CheckList Information

Name :	05: FINAL TESTS	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	08/29/2025 - Natasha Louw - National TAB		
Completed Date :	11/21/2025 - Tyler Youells - 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: None	
List smoke candle type used	
Comment: 45 Sec Smoke	

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	11/21/2025

Comment:

TAB tech name / Firm

Comment:

Tyler/NTi

Site super name / Firm

Comment:

Brian/Viceroy

Owner representative name / Firm (if Applicable)

Comment:

N/A

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:

0.002" AVG

National TAB

Project: 11-24-25 CHIPOTLE #5545 HAMMONTON, NJ

System/Unit: AHU/RTU

Asset: RTU1 AREA:KITCHEN

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	0524P63209
Model Num	48FCN09	48FCN09D3M5A6W4F0
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	36X20
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2

Motor Data		
	Design	**Actual**
Motor MFG	-	ECOBLUE
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	7.5

Test Data		
	Design	**Actual**
SF CFM	3400	3313
SF RPM	-	NA
RA CFM	2635	2553
OA CFM	765	760
RL Voltage	-	213.5/211.7/212.8
RL Amperage	-	3.6/3.9/3.7
SF Rotation	-	CCW
SF System SetPt	-	6.8V
RA Damper Position	-	MECHANICAL LINKAGE
Min OA Damper Position	-	4.7V
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	ES5

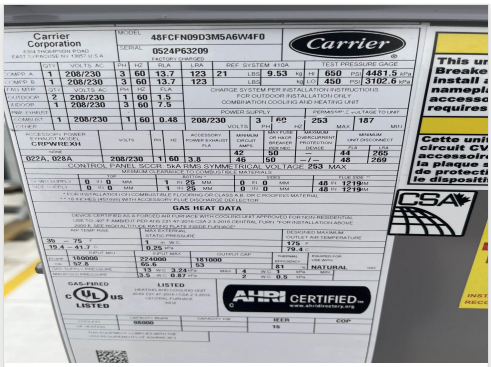
Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.63”
Fan Suction SP	-	-0.96”
Fan Discharge SP	-	0.38”
Total ESP	0.8"	1.01”
Fan Total SP	-	1.34”

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

Completed By: Tyler Youells on 11/21/2025

Unit Data - PHOTO LOG

11/21/2025



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Project:11-24-25 CHIPOTLE #5545 HAMMONTON, NJ

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	CD-2	8"	250	1	323	256	240	96.0
SGRD2	KITCHEN	CD-2	8"	250	1	326	271	253	101.2
SGRD3	KITCHEN	CD-2	8"	250	1	318	266	241	96.4
SGRD4	KITCHEN	CD-2	8"	250	1	268	209	262	104.8
SGRD5	KITCHEN HD	ACPSP	165X6	700	5.23	1109	920	664	94.9
SGRD6	KITCHEN	CD-1A	10"	425	1	336	262	324	76.2
SGRD7	KITCHEN	CD-1A	10"	425	1	455	356	428	100.7
SGRD8	BOH	CD-1A	8"	225	1	298	244	240	106.7
SGRD9	BOH	CD-1A	8"	225	1	308	248	244	108.4
SGRD10	OFFICE	CD-1A	8"	150	1	294	229	161	107.3
SGRD11	BOH	CD-1A	8"	250	1	310	250	256	102.4
Total				3400		4345	3511	3313	97.44%

Completed By: Tyler Youells on 11/21/2025

Asset	Notes	Date	Written By
SGRD5	[1] FLEX DUCT IS KINKED, UNABLE TO GET DIFFUSER TO WITHIN DESIGN.	11/21/2025	Tyler Youells

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Project: 11-24-25 CHIPOTLE #5545 HAMMONTON, NJ

System/Unit: AHU/RTU

Asset: RTU2 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	0524P63208
Model Num	48FCN09	48FCN09D3M5A6W4F0
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	36X20
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2

Motor Data		
	Design	**Actual**
Motor MFG	-	ECOBLUE
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	7.5

Test Data		
	Design	**Actual**
SF CFM	3400	3407
SF RPM	-	NA
RA CFM	2635	2601
OA CFM	765	806
RL Voltage	-	212.6/212.1/213.3
RL Amperage	-	3.9/3.8/3.9
SF Rotation	-	CCW
SF System SetPt	-	6.9V
RA Damper Position	-	MECHANICAL LINKAGE
Min OA Damper Position	-	4.8V
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	ES5

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.52”
Fan Suction SP	-	-0.93”
Fan Discharge SP	-	0.53”
Total ESP	0.8"	1.05”
Fan Total SP	-	1.46”

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

Completed By: Tyler Youells on 11/21/2025

Unit Data - PHOTO LOG

11/21/2025

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Project:11-24-25 CHIPOTLE #5545 HAMMONTON, NJ

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	SR-1	14"	700	1	721	701	701	100.1
SGRD2	DINING	SR-1	14"	775	1	890	797	797	102.8
SGRD3	DINING	SR-1	14"	875	1	945	845	845	96.6
SGRD4	DINING	SR-1	14"	975	1	1009	983	983	100.8
SGRD5	HALLWAY	CD-1B	6"	75	1	98	81	81	108.0
Total				3400		3663	3407	3407	100.21%

Completed By: Tyler Youells on 11/21/2025

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Project: 11-24-25 CHIPOTLE #5545 HAMMONTON, NJ

System/Unit: FAN - Exhaust

Asset: EF1 AREA:KITCHEN HD

Unit Data		
	Design	**Actual**
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	DU180HFA	DU180HFA
Serial Num	-	7084928
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TECO
Frame	-	184T
Horsepower	2.000	2
Motor Rpm	-	1165
Phase	3	3
Voltage (rated)	208	230
Amperage (rated)	-	6.56
Service Factor	-	1.15

Test Data		
	Design	**Actual**
CFM	2550	2581
Fan RPM	1220	984
Fan Rotation	-	CCW
Motor RPM	-	984
System SetPt	-	50.7HZ
RL Voltage	-	102VFD
RL Amperage	-	5.1 VFD
Total ESP	1.450"	1.30”
Fan Inlet SP	-	-1.30”
Fan Discharge SP	-	ATM

Completed By: Tyler Youells on 11/21/2025

Unit Data - PHOTO LOG

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Project: 11-24-25 CHIPOTLE #5545 HAMMONTON, NJ

System/Unit: FAN - Exhaust

Asset: EF2 AREA:RESTROOM

Unit Data		
	Design	**Actual**
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	DR12HFA	DR12HFA
Serial Num	-	7084928
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	-	1

Test Data		
	Design	**Actual**
CFM	150	155
Fan RPM	1282	796
Fan Rotation	-	CCW
Motor RPM	-	796
System SetPt	-	44%
RL Voltage	-	122.7
RL Amperage	-	0.3
Total ESP	0.600"	0.20”
Fan Inlet SP	-	-0.20”
Fan Discharge SP	-	ATM

Completed By: Tyler Youells on 11/21/2025

Unit Data - PHOTO LOG

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Project:11-24-25 CHIPOTLE #5545 HAMMONTON, NJ

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	ER-1	6X6	75	1	95	76	76	101.3
EGRD2	RESTROOM	ER-1	6X6	75	1	99	79	79	105.3
Total				150		194	155	155	103.33%

Completed By: Tyler Youells on 11/21/2025

National TAB

Project: 11-24-25 CHIPOTLE #5545 HAMMONTON, NJ

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	-	7084928
Type	MAU	MAU
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TECO
Frame	-	143T
Horsepower	1.000	1
Motor Rpm	-	1740
Phase	3	3
Voltage (rated)	208	230
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	-	0.315”

Test Data		
	Design	**Actual**
CFM	1300	1327
SF RPM	1546	1305
Motor RPM	-	1305
SF System SetPt	-	45HZ
RL Voltage	-	108VFD
RL Amperage	-	2.2 VFD
Total ESP	-	0.32”
Fan Discharge SP	-	0.32”

General	
	Actual
Fan Rotation Correct	YES

Completed By: Tyler Youells on 11/21/2025

Unit Data - PHOTO LOG

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National TAB

Project: 11-24-25 CHIPOTLE #5545 HAMMONTON, NJ

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	-	7084928
Type	TYPE 1 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"

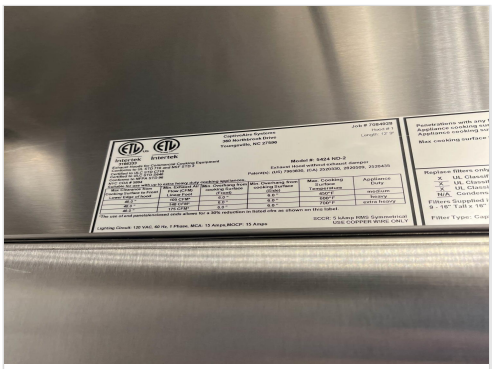
Test Data Exhaust		
	Design	**Actual**
Filter Type	CAPTRATE SOLO FILTER	CAPTRATE SOLO
Filter Size 1	16X16	16X16
Filter Qty 1	9	9
Filter AK factor size 1	1.62	1.62
Filter Total AK Area	14.58	14.58
Filter1 FPM	-	147
Filter2 FPM	-	166
Filter3 FPM	-	178
Filter4 FPM	-	205
Filter5 FPM	-	197
Filter6 FPM	-	190
Filter7 FPM	-	174
Filter8 FPM	-	161
Filter9 FPM	-	181
Filter Ave FPM(corr)	-	177
CFM	2550	2581

Cooking Equipment	
	Actual
Item 1	GRIDDLE PRESS
Item 2	6-BURNER STOVE
Item 3	RICE COOKER
Item 4	DOUBLE BANK CHIP FRYER

Test Data Supply		
	Design	**Actual**
Total Area	10.31	10.31
Kv factor (Vel)	0.81	0.81
Num of Readings	-	12
Reading1 FPM	-	175
Reading2 FPM	-	150
Reading3 FPM	-	155
Reading4 FPM	-	180
Reading5 FPM	-	166
Reading6 FPM	-	136
Reading7 FPM	-	119
Reading8 FPM	-	173
Reading9 FPM	-	178
Reading10 FPM	-	159
Reading11 FPM	-	144
Reading12 FPM	-	175
Ave FPM(corr)	-	159
CFM	1300	1327

Completed By: Tyler Youells on 11/21/2025

Unit Data - PHOTO LOG



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