

Report By:

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



Report: TAB

Function: Test, Adjust, & Balance

Date: 02/14/2025

Completed By: National TAB

PROJECT

**02-10-25 CHIPOTLE #29-4929 AVENEL
(AVENEL, NJ)**

1560 St Georges Avnue

AVENEL, NJ 07001

Client

Chipotle Mexican Grill
610 Newport Center Drive, Suite 1100

Newport Beach, CA 92660

National TAB

Project: 02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, NJ)

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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.

Issue List

- EF1: Flexible grease spout kinked in viroguard
- RTU1-1: No damper on this diffuser
- RTU1: Overramping blower motor
- RTU2-6: Damper is jammed.
- RTUs: Economizers on both RTUs do not function



02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, NJ)

Project Issue Information

Issue Name : EF1: Flexible grease spout kinked in viroguard
Description : Viroguard is sitting on and blocking flow through a flexible grease spout out of EF1. Install hard spout or modify Viroguard according to manufacturer guidance.

Created By : National TAB **Assigned To :** National TAB - Will Turnbough

Status : Open

Priority : Low **Asset Tag :**

Originated Date : 02/13/2025 - Ryan Smith - National TAB

Project Issue File Details



02/13/2025



02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, NJ)

Project Issue Information

Issue Name : RTU1-1: No damper on this diffuser
Description : Diffuser 1 on RTU1 does not have an accessible damper installed at the face or the diffuser.
Created By : National TAB **Assigned To :** National TAB - Will Turnbough
Status : Open
Priority : High **Asset Tag :**
Originated Date : 02/14/2025 - Ryan Smith - National TAB

Project Issue File Details



02/14/2025



02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, NJ)

Project Issue Information

Issue Name : RTU1: Overramping blower motor
Description : Unit is unable to reach design total airflow (4000CFM) and had to be proportionally balanced to 3342 CFM due to over amping. Static pressure in the discharge 0.78" implies there may be a restriction in the supply duct work. Recommend to have ductwork inspected.
Created By : National TAB **Assigned To :** National TAB - Will Turnbough
Status : Open
Priority : High **Asset Tag :**
Originated Date : 02/14/2025 - Ryan Smith - National TAB



02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, NJ)

Project Issue Information

Issue Name : RTU2-6: Damper is jammed.
Description : Unable to adjust damper for this diffuser.
Created By : National TAB **Assigned To :** National TAB - Brianna Biggs
Status : Open
Priority : Low **Asset Tag :**
Originated Date : 02/15/2025 - Ryan Smith - National TAB



02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, NJ)

Project Issue Information

Issue Name : RTUs: Economizers on both RTUs do not function
Description : Economizers on both RTUs do not show up in control terminal menus. Have loosened dampers off of actuators and will adjust by hand then mark with sharpie. Consult with mechanical contractor or manufacturer to service RTUs, then set economizer to marked position.
Created By : National TAB **Assigned To :** National TAB - Will Turnbough
Status : Open
Priority : High **Asset Tag :**
Originated Date : 02/13/2025 - Ryan Smith - National TAB

National TAB

Project: 02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, NJ)

- [Open](#) BALANCE_SCHEDULE_4929.xlsx

CheckList List

- 01: RTU'S/AHU'S
- 02: EF'S
- 04: HOODS
- 05: FINAL TESTS



02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, NJ)

CheckList Information

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

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 12/23/2024 - Kyle Henry - National TAB

Completed Date : 02/15/2025 - Ryan Smith - 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? | No |
|---|----|

Comment:

Diffuser RTU1-1 does not have a damper at the face or diffuser.

| | |
|--|-----|
| 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? | No |
|---|----|

Comment:

Economizers are assembled and attached but not functional. Control board does not communicate with economizers. Requires servicing.

| | |
|--|-----|
| DCV Max damper opening position is set to minimum? | N/A |
|--|-----|

Comment:

Economizer not operational

Free cooling enthalpy set point set for lowest setting (Typically "D")

N/A

Comment:

Economizer not operational.

Motors are all operating below the FLA rating?

Yes

Comment:

Are belts tight?

Yes

Comment:

If direct drive unit is the speed controller working?

Yes

Comment:

Is gas piping installed and valves turned on?

N/A

Comment:

Unit free of noticeable noise and vibration

Yes

Comment:

Final outside air damper position is marked with permanent marker?

Yes

Comment:



02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, NJ)

CheckList Information

Name : 02: EF'S **Status :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 12/23/2024 - Kyle Henry - National TAB
Completed Date : 02/15/2025 - Ryan Smith - 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:



02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, NJ)

CheckList Information

Name : 04: HOODS **Status :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 12/23/2024 - Kyle Henry - National TAB

Completed Date : 02/15/2025 - Ryan Smith - 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:



02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, NJ)

CheckList Information

Name : 05: FINAL TESTS **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 12/23/2024 - Kyle Henry - 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:

Plancha

List smoke candle type used

Comment:

45 second smoke bomb

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

02/13/2025

Comment:

TAB tech name / Firm

Comment:

Ryan Smith / National TAB Intelligence

Site super name / Firm

Comment:

Wyck Priore

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)

Comment:

-0.0048"

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Project: 02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, NJ)

System/Unit: AHU/RTU



Asset: RTU1

AREA:KITCHEN

| Unit Data | | |
|---------------------|----------|--------------------|
| | Design | Actual |
| MFG | YORK | YORK |
| Serial Num | - | N2F4447028 |
| Model Num | ZJ120 | ZJ120E36R2B5EAA2A3 |
| Type | RTU | RTU |
| Configuration | VERTICAL | VERTICAL |
| Num OA Filters 1 | - | 1 |
| OA Filter Size 1 | - | 30"X22" |
| Num Final Filter 1 | - | 4 |
| Final Filter Size 1 | - | 20"X24"X2" |
| Num Final Filter 2 | - | |
| Final Filter Size 2 | - | |

| Motor Data | | |
|----------------|--------|--------|
| | Design | Actual |
| Motor MFG | - | BALDOR |
| Frame | - | 56HZ |
| Horsepower | 3 | 3 |
| Motor Rpm | - | 1750 |
| Phase | 3 | 3 |
| Rated Voltage | 208 | 208 |
| Rated Amperage | - | 9.6 |

| Drive Data | |
|--------------------|--------|
| | Actual |
| Motor Sheave Size | 1VM50 |
| Motor Bore Size | 0.875" |
| Motor Sheave SetPt | 3 |
| Fan Sheave Size | AK74 |
| Fan Sheave Bore | 1" |
| Belt CL Distance | 19" |
| Num of Belts | 1 |
| Belt Size | A54 |
| Belt Alignment | GOOD |

| Test Data | | |
|------------------------|--------|-------------------|
| | Design | Actual |
| SF CFM | 4000 | 3342 |
| SF RPM | - | 950 |
| RA CFM | 2600 | 1872 |
| OA CFM | 1400 | 1470 |
| RL Voltage | - | 209.8/211.9/210.8 |
| RL Amperage | - | 9.6/8.51/6.94 |
| SF Rotation | - | CW |
| SF System SetPt | - | 96% |
| RA Damper Position | - | ~85% 5.5" |
| Min OA Damper Position | - | ~15% 7/8" |
| Min OA Damper Type | - | MOTORIZED |
| OA Enthalpy Setpt | - | NA |

| Performance Data | | |
|------------------|--------|--------|
| | Design | Actual |
| MA Plenum SP | - | -0.48" |
| Fan Suction SP | - | -0.79" |
| Fan Discharge SP | - | 0.78" |
| Total ESP | .8" | 1.26" |
| Fan Total SP | - | 1.57" |

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

Completed By: Ryan Smith on 02/14/2025

Notes:
Total flow decreased to eliminate overramping.

Written By: Ryan Smith on 02/14/2025

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Project:02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, 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 | BACK | CD1 | 12" | 325 | 1 | 422 | 381 | 511 | 157.2 |
| SGRD2 | BACK | CD1 | 12" | 325 | 1 | 615 | 561 | 269 | 82.8 |
| SGRD3 | BACK | CD1 | 8" | 150 | 1 | 213 | 190 | 147 | 98.0 |
| SGRD4 | KITCHEN | CD2 | 10" | 250 | 1 | 109 | 97 | 122 | 48.8 |
| SGRD5 | KITCHEN | CD2 | 10" | 350 | 1 | 199 | 174 | 228 | 65.1 |
| SGRD6 | KITCHEN | CD2 | 10" | 350 | 1 | 298 | 276 | 304 | 86.9 |
| SGRD7 | KITCHEN | CD2 | 10" | 275 | 1 | 233 | 213 | 249 | 90.5 |
| SGRD8 | KITCHEN | CD1 | 12" | 400 | 1 | 750 | 685 | 417 | 104.3 |
| SGRD9 | KITCHEN | CD1 | 12" | 400 | 1 | 119 | 125 | 130 | 32.5 |
| SGRD10 | KITCHEN | CD2 | 10" | 275 | 1 | 289 | 263 | 228 | 82.9 |
| SGRD11 | KITCHEN | CD2 | 10" | 325 | 1 | 233 | 210 | 271 | 83.4 |
| SGRD12 | KITCHEN | CD2 | 10" | 325 | 1 | 236 | 211 | 278 | 85.5 |
| SGRD13 | KITCHEN | CD2 | 10" | 250 | 1 | 161 | 140 | 188 | 75.2 |
| Total | | | | 4000 | | 3877 | 3526 | 3342 | 83.55% |

Completed By: Ryan Smith on 02/14/2025

| Asset | Notes | Date | Written By |
|-------|--|------------|------------|
| SGRD3 | No damper installed at face or diffuser. Unable to balance. | 02/14/2025 | Ryan Smith |
| SGRD8 | Diffuser damper had a steep dropoff. Could choose between 400+ or 200 CFM. I went with the higher. | 02/14/2025 | Ryan Smith |

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Project: 02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, NJ)

System/Unit: AHU/RTU



Asset: RTU2

AREA:DINING

| Unit Data | | |
|---------------------|----------|--------------------|
| | Design | Actual |
| MFG | YORK | YORK |
| Serial Num | - | N2F4447029 |
| Model Num | ZJ120 | ZJ120E36R2B5EAA2A3 |
| Type | RTU | RTU |
| Configuration | VERTICAL | VERTICAL |
| Num OA Filters 1 | - | 1 |
| OA Filter Size 1 | - | 30"X22" |
| Num Final Filter 1 | - | 4 |
| Final Filter Size 1 | - | 20"X24"X2" |
| Num Final Filter 2 | - | |
| Final Filter Size 2 | - | |

| Motor Data | | |
|----------------|--------|--------|
| | Design | Actual |
| Motor MFG | - | BALDOR |
| Frame | - | 56HZ |
| Horsepower | 3 | 3 |
| Motor Rpm | - | 1750 |
| Phase | 3 | 3 |
| Rated Voltage | 208 | 208 |
| Rated Amperage | - | 9.6 |

| Drive Data | |
|--------------------|--------|
| | Actual |
| Motor Sheave Size | 1VM50 |
| Motor Bore Size | 0.875" |
| Motor Sheave SetPt | 3 |
| Fan Sheave Size | AK74 |
| Fan Sheave Bore | 1" |
| Belt CL Distance | 19" |
| Num of Belts | 1 |
| Belt Size | A54 |
| Belt Alignment | GOOD |

| Test Data | | |
|------------------------|--------|-------------------|
| | Design | Actual |
| SF CFM | 4000 | 3768 |
| SF RPM | - | 942 |
| RA CFM | 3150 | 2933 |
| OA CFM | 850 | 834 |
| RL Voltage | - | 208.6/211.2/209.8 |
| RL Amperage | - | 10.17/7.11/8.81 |
| SF Rotation | - | CW |
| SF System SetPt | - | 96% |
| RA Damper Position | - | ~95% 5.75" |
| Min OA Damper Position | - | ~5% 0.25" |
| Min OA Damper Type | - | MOTORIZED |
| OA Enthalpy Setpt | - | NA |

| Performance Data | | |
|------------------|--------|--------|
| | Design | Actual |
| MA Plenum SP | - | -0.56 |
| Fan Suction SP | - | -0.87 |
| Fan Discharge SP | - | 0.66 |
| Total ESP | .8" | 1.22 |
| Fan Total SP | - | 1.53 |

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

Completed By: Ryan Smith on 02/14/2025

Notes:

Diffusers proportionally balanced to 37688 CFM.

Diffuser 3 is low despite having a fully open damper. Diffuser 6 has a jammed damper and cannot minimize airflow.

Written By: Ryan Smith on 02/14/2025

National TAB

Project:02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, 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 | SR2 | 6" | 400 | 0.46 | 683 | 368 | 398 | 99.5 |
| SGRD2 | DINING | SR2 | 6" | 500 | 0.46 | 370 | 449 | 469 | 93.8 |
| SGRD3 | DINING | SR1 | 14" | 800 | 1 | 398 | 545 | 545 | 68.1 |
| SGRD4 | DINING | SR1 | 14" | 700 | 1 | 487 | 658 | 658 | 94.0 |
| SGRD5 | DINING | SR1 | 14" | 600 | 1 | 580 | 525 | 525 | 87.5 |
| SGRD6 | DINING | SR1 | 14" | 500 | 1 | 556 | 728 | 728 | 145.6 |
| SGRD7 | DINING | SR1 | 14" | 500 | 1 | 598 | 445 | 445 | 89.0 |
| Total | | | | 4000 | | 3672 | 3718 | 3768 | 94.2% |

Completed By: Ryan Smith on 02/14/2025

| Asset | Notes | Date | Written By |
|-------|---------------------------------------|------------|------------|
| SGRD3 | Diffuser is fully open but still low. | 02/14/2025 | Ryan Smith |
| SGRD6 | Damper is jammed. Unable to adjust. | 02/14/2025 | Ryan Smith |

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Project: 02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, NJ)

System/Unit: FAN - Exhaust



Asset: EF1

AREA: KITCHEN HOOD

| Unit Data | | |
|---------------|-------------|-------------|
| | Design | Actual |
| MFG | CAPTIVEAIRE | CAPTIVEAIRE |
| Model Num | DU180HFA | DU85HFA |
| Serial Num | - | 6338466 |
| Type | UPBLAST | UPBLAST |
| Configuration | VERTICAL | VERTICAL |

| Test Data | | |
|------------------|--------|--------|
| | Design | Actual |
| CFM | 1900 | 1848 |
| Fan RPM | - | 1224 |
| Fan Rotation | - | CCW |
| Motor RPM | - | 1224 |
| System SetPt | - | 68% |
| RL Voltage | - | 122.4 |
| RL Amperage | - | 7.84 |
| Total ESP | 1.2" | 1.08" |
| Fan Inlet SP | - | -1.08" |
| Fan Discharge SP | - | ATM |

| Motor Data | | |
|------------------|--------|-------------|
| | Design | Actual |
| Motor MFG | - | TELCO GREEN |
| Frame | - | NL |
| Horsepower | 2 | 1 |
| Motor Rpm | - | 1800 |
| Phase | 3 | 1 |
| Voltage (rated) | 208 | 115 |
| Amperage (rated) | - | 11.6 |
| Service Factor | - | NL |

Completed By: Ryan Smith on 02/14/2025

Notes:
Unit is DU85HFA instead of specced DU180HFA due to redesign for all electric appliances.

Written By: Ryan Smith on 02/13/2025

Unit Data - PHOTO LOG



02/13/2025



02/13/2025



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Project: 02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, NJ)

System/Unit: FAN - Exhaust



Asset: EF2

AREA:RESTROOMS

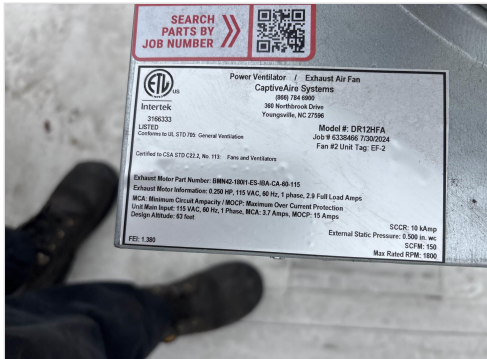
| Unit Data | | |
|---------------|-------------|-------------|
| | Design | Actual |
| MFG | CAPTIVEAIRE | CAPTIVEAIRE |
| Model Num | DR12HFA | DR12HFA |
| Serial Num | - | 6338466 |
| Type | DOWNBLAST | DOWNBLAST |
| Configuration | VERTICAL | VERTICAL |

| 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 | - | 1344 |
| Fan Rotation | - | CCW |
| Motor RPM | - | 1344 |
| System SetPt | - | 70% |
| RL Voltage | - | NA |
| RL Amperage | - | NA |
| Total ESP | .6" | 0.34" |
| Fan Inlet SP | - | -0.34" |
| Fan Discharge SP | - | ATM |

Completed By: Ryan Smith on 02/13/2025

Unit Data - PHOTO LOG



02/13/2025



02/13/2025



02/13/2025

National TAB

Project:02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, NJ)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF2/RESTROOMS

| Asset | | | | | | | | | | | | |
|------------|-----------|-----|------|------|------------|----|--------|--------|--------|--------|-----------|-------------|
| Asset Name | Model Num | MFG | Type | Size | DESIGN CFM | AK | VEL(1) | CFM(1) | VEL(2) | CFM(2) | FINAL CFM | % to design |
| EF2-EGRD1 | NA | NA | ER1 | 6/6 | 75 | 1 | N/A | 59 | N/A | 78 | 74 | 98.7 |
| EF2-EGRD2 | NA | NA | ER1 | 6/6 | 75 | 1 | N/A | 55 | N/A | 71 | 75 | 100.0 |
| Total | | | | | 150 | | | 114 | | 149 | 149 | 99.33% |

Completed By: Ryan Smith on 02/13/2025

National TAB

Project: 02-10-25 CHIPOTLE #29-4929 AVENEL (AVENEL, NJ)

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:COOK LINE

| Unit Data | | |
|------------------|-----------------------|-----------------------|
| | Design | Actual |
| MFG | CAPTIVEAIRE | CAPTIVEAIRE |
| Model Num | 5424 ND-2 | 5424 ND-2 |
| Job / Serial Num | - | 6338466 |
| Type | TYPE 1 CANOPY HOOD | TYPE 1 CANOPY HOOD |
| Hood length | 112" | 112" |
| Hood Width | 54" | 54" |

| Test Data Exhaust | | |
|-------------------------|------------------|------------------|
| | Design | Actual |
| Filter Type | CAPTRATE SOLO | CAPTRATE SOLO |
| Filter Size 1 | 16x16 | 16x16 |
| Filter Qty 1 | 7 | 7 |
| Filter AK factor size 1 | 1.62 | 1.62 |
| Filter Total AK Area | 11.34 | 11.34 |
| Filter1 FPM | - | 160 |
| Filter2 FPM | - | 161 |
| Filter3 FPM | - | 181 |
| Filter4 FPM | - | 189 |
| Filter5 FPM | - | 172 |
| Filter6 FPM | - | 152 |
| Filter7 FPM | - | 123 |
| Filter Ave FPM(corr) | - | 163 |
| CFM | 1900 | 1848 |

| Cooking Equipment | |
|-------------------|--------------------------------|
| | Actual |
| Item 1 | PLANCHA |
| Item 2 | 6 BURNER STOVE & DEEP FRYER |

Completed By: Ryan Smith on 02/13/2025

Unit Data - PHOTO LOG



02/13/2025



02/13/2025



02/13/2025

| | | CaptivaAir Systems 390 Northbrook Drive Youngsville, NC 27596 (866) 784 6900 | | Job # 8338469 hood # 1 Length: 9' 0" | Penetrations with Appliance cookin Appliance cookin Max cooking surf | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|--|---|--|---|--|---|----------------------------------|----------------|-------|--------|------|------|--------|--------|-------|---------|------|------|--------|-------|-------|---------|------|------|--------|-------------|
| Intertek 318633 Listed Hood for Commercial Cooking Equipment Complies to UL STD 718 and NSF STD 3 Certified to UL C 113 0718 Certified to UL C 113 0846 Certified to NFPA 97-16 | | Model # 5424 ND-2 Exhaust Hood without exhaust damper (Partno): 02A 220600 | | Replace filters on X UL Class X UL Class X UL Class N/A Condens Filters Supplied i 7 - 18" Tall x 18" Filter Type: Capt | | | | | | | | | | | | | | | | | | | | | | | | | |
| NVC CCA # 264 Suitable for use with up to extra heavy duty cooking appliances. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Min. Clearance from Cooking Surface to Front (Lowest Edge of Hood)</th> <th>Min. Exhaust Air Flow (CFM) Linear Foot</th> <th>Min. Overhang from cooking Surface (Front)</th> <th>Min. Overhang from cooking Surface (Side)</th> <th>Max. Cooking Surface Temperature</th> <th>Appliance Duty</th> </tr> </thead> <tbody> <tr> <td>48.0"</td> <td>95 CFM</td> <td>6.0"</td> <td>6.0"</td> <td>400° F</td> <td>medium</td> </tr> <tr> <td>48.0"</td> <td>140 CFM</td> <td>6.0"</td> <td>6.0"</td> <td>600° F</td> <td>heavy</td> </tr> <tr> <td>48.0"</td> <td>175 CFM</td> <td>6.0"</td> <td>6.0"</td> <td>700° F</td> <td>extra heavy</td> </tr> </tbody> </table> | | | | | | Min. Clearance from Cooking Surface to Front (Lowest Edge of Hood) | Min. Exhaust Air Flow (CFM) Linear Foot | Min. Overhang from cooking Surface (Front) | Min. Overhang from cooking Surface (Side) | Max. Cooking Surface Temperature | Appliance Duty | 48.0" | 95 CFM | 6.0" | 6.0" | 400° F | medium | 48.0" | 140 CFM | 6.0" | 6.0" | 600° F | heavy | 48.0" | 175 CFM | 6.0" | 6.0" | 700° F | extra heavy |
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| 48.0" | 95 CFM | 6.0" | 6.0" | 400° F | medium | | | | | | | | | | | | | | | | | | | | | | | | |
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| *The use of steel panels/hood adds allows for a 30% reduction in listed cfm as shown on the label. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lighting Circuit: 120 VAC, 60 Hz, 1 Phase, MCA: 15 Amps, MOCP: 15 Amps SCCR: 3 Mins USE COPPER WIRE ONLY! | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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