

Report By:

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



Report: TAB Report
Function: Test, Adjust, & Balance
Date: 02/05/2025
Completed By: National TAB

PROJECT

02-03-25 CHIPOTLE #5144 GRANVILLE, OH

520 S MAIN ST

GRANVILLE, OH 43023

Client

Chipotle Mexican Grill
610 Newport Center Drive, Suite 1100
Newport Beach, CA 92660

National TAB

Project: 02-03-25 CHIPOTLE #5144 GRANVILLE, OH

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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

- Hood panel has an alarm for low battery power.
- KEF drain spout damaged.
- Note 1
- RTU-1 OA, Unit Pressures, Economizer, and Building pressure.



02-03-25 CHIPOTLE #5144 GRANVILLE, OH

Project Issue Information

Issue Name : Hood panel has an alarm for low battery power.
Description : Hood panel has an alarm for low battery power.
Created By : National TAB **Assigned To :** National TAB - Dan Hertenstein
Status : Open
Priority : [Medium](#) **Asset Tag :** HD1
Originated Date : 02/04/2025 - Cody Collett - National TAB



02-03-25 CHIPOTLE #5144 GRANVILLE, OH

Project Issue Information

Issue Name : KEF drain spout damaged.
Description : KEF drain spout is damaged and at an upward angle preventing proper drainage.
Created By : National TAB **Assigned To :** National TAB - Dan Hertenstein
Status : Open
Priority : High **Asset Tag :** EF1
Originated Date : 02/04/2025 - Cody Collett - National TAB

Project Issue File Details



02/05/2025



02-03-25 CHIPOTLE #5144 GRANVILLE, OH

Project Issue Information

Issue Name : Note 1
Description : Due to economizer issues with RTU-1 building pressure was measured with RTU-1 OA closed. Building pressure will increase when the economizer issue is fixed.
Created By : National TAB **Assigned To :** National TAB - Dan Hertenstein
Status : Open
Priority : InfoOnly **Asset Tag :**
Originated Date : 02/05/2025 - Cody Collett - National TAB



02-03-25 CHIPOTLE #5144 GRANVILLE, OH

Project Issue Information

Issue Name : RTU-1 OA, Unit Pressures, Economizer, and Building pressure.
Description : On arrival Economizer appeared to be functioning normally. At end of TAB when setting OA economizer would not open. Mixed air temp sensor was showing 100+F and may be part of/or the cause of the issue. The unit did temporarily open OA and TAB tech was able to set OA. OA did not remain open for long enough to get unit pressures and building SP.

Created By : National TAB **Assigned To :** National TAB - Dan Hertenstein

Status : Open

Priority : Urgent **Asset Tag :** RTU1

Originated Date : 02/05/2025 - Cody Collett - 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 | 3500 | 3409 | 3000 | 3409 | 500 | 0 | 14.3% | 0.0% | | | | | | |
| RTU-2 | DINNING | 4000 | 4168 | 3000 | 3126 | 1000 | 1042 | 25.0% | 25.0% | | | | | | |
| MUA-1 | KITCHEN | | | | | | | | | 1300 | 1303 | | | | |
| EF-1 | KITCHENHOOD | | | | | | | | | | | 2550 | 2522 | | |
| EF-2 | RESTROOM | | | | | | | | | | | | | 150 | 144 |
| TOTALS | | 7500 | 7577 | 6000 | 6535 | 1500 | 1042 | | | 1300 | 1303 | 2550 | 2522 | 150 | 144 |

NET BUILDING AIRFLOW CALCULATION

| TOTALS | DESIGN | ACTUAL |
|--------------------|--------|--------|
| TOTAL OA | 2800 | 2345 |
| TOTAL EXHAUST | 2700 | 2666 |
| NET AIRFLOW | 100 | -321 |

| DOOR TESTED | BUILDING PRESSURE MEASUREMENTS (IN. H2O) |
|----------------|--|
| FRONT | -0.019 |
| SIDE | -0.005 |
| REAR | -0.009 |
| AVERAGE | -0.011 |

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:

RTU-1 Economizer does not function correctly at this time. Further detailed information in issues.

CheckList List

- 01: RTU's/AHU's
- 02: EF's
- 03: MUA
- 04: HOODS
- 05: FINAL CHECKS



02-03-25 CHIPOTLE #5144 GRANVILLE, OH

CheckList Information

Name : 01: RTU's/AHU's **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 02/05/2025 - Stephen Tassinaro - 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:

With exception of RTU-1 detailed in issues.

DCV Max damper opening position is set to minimum? Yes

Comment:

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

Comment:

ES5

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?

No

Comment:



02-03-25 CHIPOTLE #5144 GRANVILLE, OH

CheckList Information

Name : 02: EF's **Status :** Not Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 02/05/2025 - Stephen Tassinaro - 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:

Unit free of noticeable noise and vibration?

Yes

Comment:



02-03-25 CHIPOTLE #5144 GRANVILLE, OH

CheckList Information

Name : 03: MUA **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 02/05/2025 - Stephen Tassinaro - 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:



02-03-25 CHIPOTLE #5144 GRANVILLE, OH

CheckList Information

Name : 04: HOODS **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 02/05/2025 - Stephen Tassinaro - 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? | No |
|-------------------------|----|

Comment:

CORE Alarm (expected). Low battery voltage alarm.

| | |
|-------------------------|-----|
| Hood is free of damage? | Yes |
|-------------------------|-----|

Comment:

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

Comment:



02-03-25 CHIPOTLE #5144 GRANVILLE, OH

CheckList Information

Name : 05: FINAL CHECKS **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 02/05/2025 - Stephen Tassinaro - 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 | No |
|---|----|

Comment:

List smoke candle type used

Comment:

45 second smoke candle

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

02/04/2025

Comment:

TAB tech name / Firm

Comment:

Cody Collett NTI

Site super name / Firm

Comment:

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)

Fail

Comment:

Due to RTU-1 economizer issue building pressure and total airflow do not match design; detailed further in issues.

National TAB

Project: 02-03-25 CHIPOTLE #5144 GRANVILLE, OH

System/Unit: AHU/RTU



Asset: RTU1

AREA: KITCHEN

| Unit Data | | |
|---------------------|----------|--------------------|
| | Design | Actual |
| MFG | YORK | CARRIER |
| Serial Num | - | 0424P63073 |
| Model Num | ZJ120 | 48FCFN12D3M5A6W4F0 |
| 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 | - | 20"x20" |

| Motor Data | | |
|----------------|--------|---------|
| | Design | Actual |
| Motor MFG | - | NL |
| Frame | - | NL |
| Horsepower | - | NL |
| Motor Rpm | - | NL |
| Phase | 3 | 3 |
| Rated Voltage | 208 | 208/230 |
| Rated Amperage | - | 12.6 |

| Test Data | | |
|------------------------|--------|-------------------|
| | Design | Actual |
| SF CFM | 3500 | 3409 |
| RA CFM | 3000 | 2921 |
| OA CFM | 500 | 488 |
| RL Voltage | - | 215/213/216 |
| RL Amperage | - | 6.56A AVG |
| SF Rotation | - | CCW |
| SF System SetPt | - | SPEED C / 8.5 VDC |
| RA Damper Position | - | 7.30V |
| Min OA Damper Position | - | 2.70V |
| Min OA Damper Type | - | ECONOMIZER |
| OA Enthalpy Setpt | - | ES5 |

| Performance Data | | |
|------------------|--------|--------|
| | Design | Actual |
| MA Plenum SP | - | -1.30" |
| Fan Suction SP | - | -1.68" |
| Fan Discharge SP | - | 0.55" |
| Total ESP | 0.8" | 1.85" |
| Fan Total SP | - | 2.23 |

| General | |
|----------------------------|--------|
| | Actual |
| Fan Rotation Correct | YES |
| Unit Filters Clean | YES |
| Condensate Drain Installed | NO |

Completed By: Cody Collett on 02/04/2025

Notes:
 [1] Static pressures taken with OA closed as OA damper was not staying reliably open.

[2] Unit schedule calls for 3500CFM. Diffuser total 3400CFM. All diffusers and unit total within design as-is.

Written By: Will Turnbough on 02/06/2025

Unit Data - PHOTO LOG



02/05/2025



02/05/2025



02/05/2025

National TAB

Project:02-03-25 CHIPOTLE #5144 GRANVILLE, OH

AHU/RTU



Diffuser Supply (GRD)

RTU1/KITCHEN

| Asset | | | | | | | | | |
|-------------|---------------|-------|---------|------------|--------|--------|--------|-----------|-------------|
| Asset Name | Location | Type | Size | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| RTU1-SGRD1 | SIDE KITCHEN | CD1 | 12" | 350 | 1 | 98 | 527 | 381 | 108.9 |
| RTU1-SGRD2 | SIDE KITCHEN | CD1 | 12" | 400 | 1 | 671 | 381 | 381 | 95.3 |
| RTU1-SGRD3 | OFFICE | CD1 | 8" | 150 | 1 | 93 | 74 | 158 | 105.3 |
| RTU1-SGRD4 | DRIVE THROUGH | CD1 | 12" | 400 | 1 | 599 | 437 | 412 | 103.0 |
| RTU1-SGRD5 | DRIVE THROUGH | CD1 | 12" | 400 | 1 | 631 | 502 | 405 | 101.3 |
| RTU1-SGRD6 | KITCHEN | CD1 | 12" | 250 | 1 | 187 | 156 | 229 | 91.6 |
| RTU1-SGRD7 | KITCHEN | CD3 | 8" | 250 | 1 | 55 | 123 | 227 | 90.8 |
| RTU1-SGRD8 | KITCHEN | CD3 | 8" | 250 | 1 | 276 | 215 | 239 | 95.6 |
| RTU1-SGRD9 | KITCKEN | CD3 | 8" | 250 | 1 | 287 | 244 | 229 | 91.6 |
| RTU1-SGRD10 | KITCHEN | ACPSP | 165"X6" | 700 | 5.3625 | 943 | 793 | 740 | 105.7 |
| Total | | | | 3400 | | 3840 | 3452 | 3401 | 100.03% |

Completed By: Cody Collett on 02/04/2025

National TAB

Project: 02-03-25 CHIPOTLE #5144 GRANVILLE, OH

System/Unit: AHU/RTU



Asset: RTU2

AREA:DINNING

| Unit Data | | |
|---------------------|----------|--------------------|
| | Design | Actual |
| MFG | YORK | CARRIER |
| Serial Num | - | 0424P62917 |
| Model Num | ZJ120 | 48FCFN12D3M5A6W4F0 |
| 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 | - | 20X20 |

| Motor Data | | |
|----------------|--------|---------|
| | Design | Actual |
| Motor MFG | - | NL |
| Frame | - | NL |
| Horsepower | - | NL |
| Motor Rpm | - | NL |
| Phase | 3 | 3 |
| Rated Voltage | 208 | 208/230 |
| Rated Amperage | - | 12.6 |

| Test Data | | |
|------------------------|--------|--------------------|
| | Design | Actual |
| SF CFM | 4000 | 4168 |
| RA CFM | 3000 | 3126 |
| OA CFM | 1000 | 1042 |
| RL Voltage | - | 214/216/216 |
| RL Amperage | - | 7.4A AVG |
| SF Rotation | - | CCW |
| SF System SetPt | - | SPEED C / 8.66 VDC |
| RA Damper Position | - | 5.60V |
| Min OA Damper Position | - | 4.40V |
| Min OA Damper Type | - | ECONOMIZER |
| OA Enthalpy Setpt | - | ES5 |

| Performance Data | | |
|------------------|--------|--------|
| | Design | Actual |
| MA Plenum SP | - | -0.97" |
| Fan Suction SP | - | -1.47" |
| Fan Discharge SP | - | 0.62" |
| Total ESP | 0.8" | 1.59 |
| Fan Total SP | - | 2.09 |

| General | |
|----------------------------|--------|
| | Actual |
| Fan Rotation Correct | YES |
| Unit Filters Clean | YES |
| Condensate Drain Installed | NO |

Completed By: Cody Collett on 02/04/2025

Unit Data - PHOTO LOG



02/05/2025



02/05/2025



02/05/2025

National TAB

Project:02-03-25 CHIPOTLE #5144 GRANVILLE, OH

AHU/RTU



Diffuser Supply (GRD)

RTU2/DINNING

| Asset | | | | | | | | | |
|------------|----------|------|------|------------|-------|--------|--------|-----------|-------------|
| Asset Name | Location | Type | Size | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| RTU2-SGRD1 | DINNING | SR1 | 14" | 450 | 0.993 | 504 | 489 | 489 | 108.7 |
| RTU2-SGRD2 | DINNING | SR1 | 14" | 500 | 0.993 | 549 | 549 | 549 | 109.8 |
| RTU2-SGRD3 | DINNING | SR1 | 14" | 600 | 0.993 | 561 | 598 | 598 | 99.7 |
| RTU2-SGRD4 | DINNING | SR1 | 14" | 700 | 0.993 | 649 | 689 | 689 | 98.4 |
| RTU2-SGRD5 | DINNING | SR1 | 14" | 600 | 0.993 | 520 | 618 | 618 | 103.0 |
| RTU2-SGRD6 | DINNING | SR1 | 14" | 500 | 0.993 | 532 | 532 | 532 | 106.4 |
| RTU2-SGRD7 | DINNING | SR1 | 12" | 300 | 0.993 | 409 | 325 | 325 | 108.3 |
| RTU2-SGRD8 | DINNING | SR1 | 12" | 300 | 0.993 | 396 | 320 | 320 | 106.7 |
| RTU2-SGRD9 | DINNING | CD4 | 6" | 50 | 1 | 47 | 51 | 48 | 96.0 |
| Total | | | | 4000 | | 4167 | 4171 | 4168 | 104.2% |

Completed By: Cody Collett on 02/04/2025

National TAB

Project: 02-03-25 CHIPOTLE #5144 GRANVILLE, OH

System/Unit: FAN - Exhaust



Asset: EF1

AREA: KITCHEN

| Unit Data | | |
|---------------|---------------|---------------|
| | Design | Actual |
| MFG | CAPTIVIE-AIRE | CAPTIVIE-AIRE |
| Model Num | DU180HFA | DU180HFA |
| Serial Num | - | 7002844 |
| Type | UPBLAST | UPBLAST |
| Configuration | VERTICAL | VERTICAL |

| Test Data | | |
|------------------|--------|--------|
| | Design | Actual |
| CFM | 2550 | 2522 |
| Fan RPM | - | 1002 |
| Fan Rotation | - | CCW |
| Motor RPM | - | 1002 |
| System SetPt | - | 51.4HZ |
| RL Voltage | 208 | 114 |
| RL Amperage | - | 4.75 |
| Total ESP | 1.450" | 0.717" |
| Fan Inlet SP | - | -0.717 |
| Fan Discharge SP | - | ATM |

| Motor Data | | |
|------------------|--------|-----------|
| | Design | Actual |
| Motor MFG | - | WEG |
| Frame | - | 182/4T |
| Horsepower | 2 | 2.0 |
| Motor Rpm | 1221 | 1170 |
| Phase | 3 | 3 |
| Voltage (rated) | 208 | 230/460 |
| Amperage (rated) | - | 6.44/3.22 |
| Service Factor | - | 1.25 |

Completed By: Cody Collett on 02/04/2025

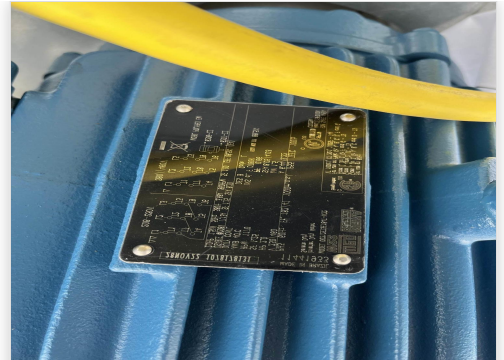
Unit Data - PHOTO LOG



02/05/2025



02/05/2025



02/05/2025

National TAB

Project: 02-03-25 CHIPOTLE #5144 GRANVILLE, OH

System/Unit: FAN - Exhaust



Asset: EF2

AREA:RESTROOM

| Unit Data | | |
|---------------|--------------|--------------|
| | Design | Actual |
| MFG | CAPTIVE-AIRE | CAPTIVE-AIRE |
| Model Num | DR12HFA | DR12HFA |
| Serial Num | - | 7002844 |
| Type | DOWNBLAST | DOWNBLAST |
| Configuration | VERTICAL | VERTICAL |

| Motor Data | | |
|------------------|--------|-------------|
| | Design | Actual |
| Motor MFG | - | TELCO GREEN |
| Frame | - | NL |
| Horsepower | 0.250 | 0.25 |
| Motor Rpm | 1282 | 1800 |
| Phase | 1 | 1 |
| Voltage (rated) | 115 | 115 |
| Amperage (rated) | - | 2.9 |
| Service Factor | - | NL |

| Test Data | | |
|------------------|--------|--------|
| | Design | Actual |
| CFM | 150 | 144 |
| Fan RPM | 1304 | 614 |
| Fan Rotation | - | CCW |
| Motor RPM | - | 614 |
| System SetPt | - | 35% |
| RL Voltage | 115 | 124 |
| RL Amperage | - | .21 |
| Total ESP | 0.600" | 0.07" |
| Fan Inlet SP | - | 0.07" |
| Fan Discharge SP | - | ATM |

Completed By: Cody Collett on 02/04/2025

Unit Data - PHOTO LOG



02/05/2025



02/05/2025

National TAB

Project:02-03-25 CHIPOTLE #5144 GRANVILLE, OH

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 |
| EF2-EGRD1 | RESTROOM | ER1 | 6/6 | 75 | 1 | 124 | 99 | 75 | 100.0 |
| EF2-EGRD2 | RESTROOM | ER1 | 6/6 | 75 | 1 | 113 | 85 | 69 | 92.0 |
| Total | | | | 150 | | 237 | 184 | 144 | 96% |

Completed By: Cody Collett on 02/04/2025



National TAB

Project: 02-03-25 CHIPOTLE #5144 GRANVILLE, OH

System/Unit: FAN - Supply

Asset: SF1

AREA: KITCHEN

| Unit Data | | |
|---------------|--------------|--------------|
| | Design | Actual |
| MFG | CAPTIVE-AIRE | CAPTIVE-AIRE |
| Model Num | A1-D.250-15D | A1-D.250-15D |
| Serial Num | - | 7002744 |
| Type | MUA | MUA |
| Configuration | VERTICAL | VERTICAL |

| Test Data | | |
|-----------------|--------|--------|
| | Design | Actual |
| CFM | 1300 | 1303 |
| SF RPM | 1559 | 1551 |
| Motor RPM | - | 1551 |
| SF System SetPt | - | 53.5hz |
| RL Voltage | - | 165 |
| RL Amperage | - | 2.37 |

| Motor Data | | |
|------------------|--------|-------------------|
| | Design | Actual |
| Motor MFG | - | TECO WESTINGHOUSE |
| Frame | - | 143T |
| Horsepower | 1 | 1 |
| Motor Rpm | - | 1740 |
| Phase | 3 | 3 |
| Voltage (rated) | 208 | 230/460 |
| Amperage (rated) | - | 2.90/1.45 |
| Service Factor | - | 1.15 |

| General | |
|----------------------|--------|
| | Actual |
| Fan Rotation Correct | YES |

| Gas Heat | | |
|---------------------------|--------|--------|
| | Design | Actual |
| Heater Operates (y/n) | - | YES |
| Flame Status (pass/fail) | - | YES |
| Inlet Air Temp SetPt | 55 | 55 |
| Discharge Air Temp SetPt | 65 | 65 |
| Air Flow Switch SP Actual | - | 0.36" |

Completed By: Cody Collett on 02/04/2025

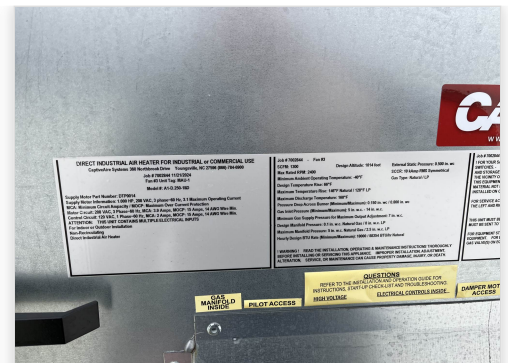
Unit Data - PHOTO LOG



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National TAB

Project: 02-03-25 CHIPOTLE #5144 GRANVILLE, OH

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:HOOD

| Unit Data | | |
|----------------------|------------------|------------------|
| | Design | Actual |
| MFG | CAPTIVE-AIRE | CAPTIVE-AIRE |
| Model Num | 5424 ND-2ACPSP-F | 5424 ND-2ACPSP-F |
| Job / Serial Num | - | 7002844 |
| Type | TYPE 1 CONOPY | TYPE 1 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 Supply | | |
|------------------|--------|--------|
| | Design | Actual |
| Total Area | 10.313 | 10.313 |
| Kv factor (Vel) | 0.81 | 0.81 |
| Num of Readings | - | 9 |
| Reading1 FPM | - | 223 |
| Reading2 FPM | - | 235 |
| Reading3 FPM | - | 232 |
| Reading4 FPM | - | 202 |
| Reading5 FPM | - | 178 |
| Reading6 FPM | - | 86 |
| Reading7 FPM | - | 66 |
| Reading8 FPM | - | 101 |
| Reading9 FPM | - | 86 |
| Ave FPM(corr) | - | 156 |
| CFM | 1300 | 1303 |

| 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 | - | 174 |
| Filter2 FPM | - | 163 |
| Filter3 FPM | - | 160 |
| Filter4 FPM | - | 196 |
| Filter5 FPM | - | 187 |
| Filter6 FPM | - | 194 |
| Filter7 FPM | - | 177 |
| Filter8 FPM | - | 162 |
| Filter9 FPM | - | 146 |
| Filter Ave FPM(corr) | - | 173 |
| CFM | 2550 | 2522 |

| Cooking Equipment | |
|-------------------|-------------|
| | Actual |
| Item 1 | GRIDDLE |
| Item 2 | RANGE |
| Item 3 | RICE COOKER |
| Item 4 | FRYER |

Completed By: Cody Collett on 02/04/2025

Notes:

[1] Exhaust and supply reading taken from left to right.

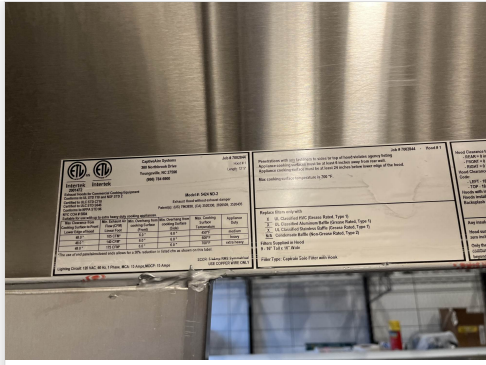
[2] Unable to distribute airflow across the supply plenum due to lack of access due to lights installed in ceiling tiles in front of the hood.

Written By: Will Turnbough on 02/06/2025

Unit Data - PHOTO LOG



02/05/2025



02/05/2025