**Report By:**

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

**Report: TAB Report**

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

**Date: 03/19/2025**

**Completed By: National TAB**

# PROJECT

## 03-17-25 CHIPOTLE #4476 ATHENS, OH

960 E STATE ST

ATHENS , OH 45701

Client

Chipotle Mexican Grill

610 Newport Center Drive, Suite 1100

Newport Beach, CA 92660

# National TAB

**Project: 03-17-25 CHIPOTLE #4476 ATHENS, OH**

## 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

- EF-1 fan lean support cable too long.
- EF-2: Restroom Exhaust Missing Backdraft Damper
- MUA Interlock Fault
- RTU-2 unit insulation causing obstruction.

## 03-17-25 CHIPOTLE #4476 ATHENS, OH

### Project Issue Information

**Issue Name :** EF-1 fan lean support cable too long.

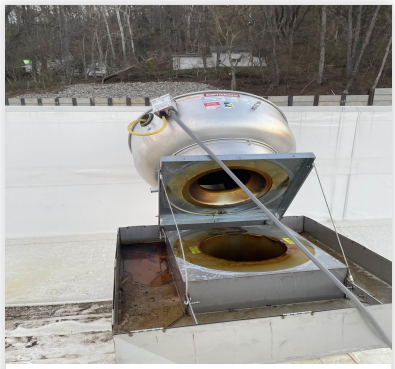
**Description :** EF-1 fan lean support cable is too long putting all weight on only one cable.

| | | | |
|---|---|---|---|
| **Created By :** | National TAB | **Assigned To :** | National TAB - Will Turnbough |
| **Status :** | Open | | |
| **Priority :** | Medium | **Asset Tag :** | EF1 |
| **Originated Date :** | 12/04/2024 - Cody Collett - National TAB | | |

Project Issue Response Details

- **03/19/2025 National TAB - Jordan Best**
  - Return visit 03/19/25, issue still exists.

**03/19/2025**



**03/19/2025**

## 03-17-25 CHIPOTLE #4476 ATHENS, OH

### Project Issue Information

**Issue Name :** EF-2: Restroom Exhaust Missing Backdraft Damper
**Description :** Plans call for Backdraft damper to be installed in the restroom duct. Damper is not installed.

**Created By :** National TAB
**Assigned To :** National TAB - Brianna Biggs
**Status :** Open
**Priority :** Medium
**Asset Tag :**
**Originated Date :** 02/25/2025 - Michael McDonnell - National TAB

Project Issue Response Details

- **03/19/2025 National TAB - Jordan Best**
  - Return trip 03/19/25, issue still exists.

**03/19/2025**

## 03-17-25 CHIPOTLE #4476 ATHENS, OH

**Project Issue Information**

| | | | |
|---|---|---|---|
| **Issue Name :** | MUA Interlock Fault | | |
| **Description :** | During return for original issues, hood was exhibiting a MUA interlock fault causing MUA to be inoperative. Power to the hood and unit was cycled and the fault was cleared, but this issue could occur again in the future. | | |
| **Created By :** | National TAB | **Assigned To :** | National TAB - Will Turnbough |
| **Status :** | Open | | |
| **Priority :** | Urgent | **Asset Tag :** | |
| **Originated Date :** | 03/19/2025 - Jordan Best - National TAB | | |

## 03-17-25 CHIPOTLE #4476 ATHENS, OH

### Project Issue Information

**Issue Name :** RTU-2 unit insulation causing obstruction.

**Description :** RTU-2 interior unit insulation on mixed air compartment door was detached from access door on arrival and was covering 1/4 of the filter bank area. Insulation was taped back on to access door by TAB tech as a temporary fix.

| | | | |
|---|---|---|---|
| **Created By :** | National TAB | **Assigned To :** | National TAB - Will Turnbough |
| **Status :** | Open | | |
| **Priority :** | Low | **Asset Tag :** | RTU2 |
| **Originated Date :** | 12/04/2024 - Cody Collett - National TAB | | |

Project Issue Response Details

- **03/19/2025 National TAB - Jordan Best**
  - Return trip 03/19/25, issue still exists.

**03/19/2025**

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 | 3327 | 3000 | 2791 | 500 | 536 | 14.3% | 16.1% | | | | | | |
| RTU-2 | DINING | 4000 | 4057 | 3000 | 2996 | 1000 | 1061 | 25.0% | 26.2% | | | | | | |
| MUA-1 | COOKLINE | | | | | | | | | 1300 | 1378 | | | | |
| EF-1 | KITCHEN HD | | | | | | | | | | | 2550 | 2478 | | |
| EF-2 | RESTROOMS | | | | | | | | | | | | | 150 | 160 |
| **TOTALS** | | 7500 | 7384 | 6000 | 5787 | 1500 | 1597 | | | 1300 | 1378 | 2550 | 2478 | 150 | 160 |

**NET BUILDING AIRFLOW CALCULATION**

| TOTALS | DESIGN | ACTUAL |
|---|---|---|
| TOTAL OA | 2800 | 2975 |
| TOTAL EXHAUST | 2700 | 2638 |
| **NET AIRFLOW** | 100 | 337 |

| DOOR TESTED | BUILDING PRESSURE MEASUREMENTS (IN. H20) |
|---|---|
| FRONT | 0.005 |
| SIDE | 0.003 |
| REAR | 0.003 |
| **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: MUA
- 04: HOODS
- 05: FINAL TESTS

## 03-17-25 CHIPOTLE #4476 ATHENS, OH

### CheckList Information

| | | | |
|---|---|---|---|
| **Name :** | 01: RTU'S/AHU'S | **Status :** | Not Completed |
| **Assigned Organization :** | National TAB | **Asset :** | |
| **Requesting Organization :** | National TAB | | |
| **Created Date :** | 11/26/2024 - Brianna Biggs - 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:** | |
| **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?** | Yes |
| **Comment:** | |
| **Unit free of noticeable noise and vibration** | Yes |
| **Comment:** | |
| **Final outside air damper position is marked with permanent marker?** | N/A |
| **Comment:** | |

# 03-17-25 CHIPOTLE #4476 ATHENS, OH

## CheckList Information

| | | | |
|---|---|---|---|
| **Name :** | 02: EF'S | **Status :** | Not Completed |
| **Assigned Organization :** | National TAB | **Asset :** | |
| **Requesting Organization :** | National TAB | | |
| **Created Date :** | 11/26/2024 - Brianna Biggs - 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:**<br>No backdraft damper installed. | |
| **Unit free of noticeable noise and vibration?** | Yes |
| **Comment:** | |

# 03-17-25 CHIPOTLE #4476 ATHENS, OH

## CheckList Information

**Name :** 03: MUA **Status :** Not Completed

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

**Requesting Organization :** National TAB

**Created Date :** 11/26/2024 - Brianna Biggs - 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:** | |

# 03-17-25 CHIPOTLE #4476 ATHENS, OH

## CheckList Information

**Name :** 04: HOODS **Status :** Not Completed

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

**Requesting Organization :** National TAB

**Created Date :** 11/26/2024 - Brianna Biggs - 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:** | |

# 03-17-25 CHIPOTLE #4476 ATHENS, OH

## CheckList Information

| | | | |
|---|---|---|---|
| **Name :** | 05: FINAL TESTS | **Status :** | Not Completed |
| **Assigned Organization :** | National TAB | **Asset :** | |
| **Requesting Organization :** | National TAB | | |
| **Created Date :** | 11/26/2024 - Brianna Biggs - 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:** Griddle, Gas stove, Fryer. | |
| **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** | 12/04/2024 |

**Comment:**

**TAB tech name / Firm**

**Comment:**

Cody Collett, National TAB

**Site super name / Firm**

**Comment:**

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

**Comment:**

Alex (store manager) Chipotle

**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:**

yes

# National TAB

**Project: 03-17-25 CHIPOTLE #4476 ATHENS, OH**

## System/Unit: AHU/RTU

**Asset: RTU1** AREA:KITCHEN

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | YORK | YORK |
| **Serial Num** | - | N2B3469407 |
| **Model Num** | ZJ120 | ZJ120N18R2B |
| **Type** | RTU | RTU |
| **Configuration** | VERTICAL | VERTICAL |
| **Num OA Filters 1** | - | 1 |
| **OA Filter Size 1** | - | 20.5X29" |
| **Num Final Filter 1** | - | 4 |
| **Final Filter Size 1** | - | 20X24X2 |

| Motor Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **Motor MFG** | - | BALDOR RELIANCE |
| **Frame** | - | 56HZ |
| **Horsepower** | - | 3 |
| **Motor Rpm** | - | 1750 |
| **Phase** | 3 | 3 |
| **Rated Voltage** | 208 | 208-230 |
| **Rated Amperage** | - | 8.3-8.2 |

| Drive Data | |
|---|---|
| | **Actual** |
| **Motor Sheave Size** | 5” |
| **Motor Bore Size** | 3/4” |
| **Motor Sheave SetPt** | O TURNS OPEN |
| **Fan Sheave Size** | 7.5” |
| **Fan Sheave Bore** | 1” |
| **Belt CL Distance** | 25” |
| **Num of Belts** | 1 |
| **Belt Size** | A54 |
| **Belt Alignment** | VERIFIED |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **SF CFM** | 3500 | 3327 |
| **SF RPM** | - | [1] |
| **RA CFM** | 3000 | 2791 |
| **OA CFM** | 500 | 536 |
| **RL Voltage** | - | 213 |
| **RL Amperage** | - | 7.7 |
| **SF Rotation** | - | CW |
| **SF System SetPt** | - | 60.0 HZ |
| **RA Damper Position** | - | 88% |
| **Min OA Damper Position** | - | 12% |
| **Min OA Damper Type** | - | OPPOSED BLADE |
| **OA Enthalpy Setpt** | - | 27B/# |

| Performance Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MA Plenum SP** | - | -0.64" |
| **Fan Suction SP** | - | -0.90" |
| **Fan Discharge SP** | - | 0.96" |
| **Total ESP** | 0.8" | 1.6" |
| **Fan Total SP** | - | 1.86" |

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

Completed By: Cody Collett on 12/04/2024

Notes:
[1] UNABLE TO SAFELY READ RPM

Written By: Michael McDonnell on 02/25/2025

## Unit Data - PHOTO LOG


12/04/2024

12/04/2024


12/04/2024

# National TAB

**Project:03-17-25 CHIPOTLE #4476 ATHENS, 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** |
| SGRD1 | KITCHEN | CD1 | 12" | 475 | 1 | 418 | 459 | 448 | 94.3 |
| SGRD2 | KITCHEN | CD1 | 12" | 475 | 1 | 398 | 442 | 452 | 95.2 |
| SGRD3 | SERVING | CD3 | 8" | 250 | 1 | 168 | 204 | 226 | 90.4 |
| SGRD4 | SERVING | CD3 | 8" | 250 | 1 | 45 | 55 | 235 | 94.0 |
| SGRD5 | SERVING | CD3 | 8" | 250 | 1 | 156 | 174 | 229 | 91.6 |
| SGRD6 | SERVING | CD3 | 8" | 250 | 1 | 167 | 199 | 231 | 92.4 |
| SGRD7 | KITCHEN HOOD | ACPSP | 165X6 | 696 | 5.3625 | 874 | 1018 | 654 | 94.0 |
| SGRD8 | BOH | CD1 | 10" | 350 | 1 | 276 | 297 | 333 | 95.1 |
| SGRD9 | BOH | CD1 | 10" | 350 | 1 | 290 | 344 | 370 | 105.7 |
| SGRD10 | OFFICE | CD1 | 8" | 150 | 1 | 193 | 219 | 149 | 99.3 |
| Total | | | | 3496 | | 2985 | 3411 | 3327 | 95.17% |

**Completed By: Cody Collett on 12/04/2024**

# National TAB

**Project: 03-17-25 CHIPOTLE #4476 ATHENS, OH**

## System/Unit: AHU/RTU

**Asset: RTU2** AREA:DINING

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | YORK | YORK |
| **Serial Num** | - | N2F3701608 |
| **Model Num** | ZJ120 | ZJ120N244R2B |
| **Type** | RTU | RTU |
| **Configuration** | VERTICAL | VERTICAL |
| **Num OA Filters 1** | - | 1 |
| **OA Filter Size 1** | - | 29"X20.5" |
| **Num Final Filter 1** | - | 4 |
| **Final Filter Size 1** | - | 20X24X2 |

| Motor Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **Motor MFG** | - | BALDOR RELIANCE |
| **Frame** | - | 56HZ |
| **Horsepower** | - | 3 |
| **Motor Rpm** | - | 1750 |
| **Phase** | 3 | 3 |
| **Rated Voltage** | 208 | 208-230 |
| **Rated Amperage** | - | 8.3-8.2 |

| Drive Data | |
|---|---|
| | **Actual** |
| **Motor Sheave Size** | 5" |
| **Motor Bore Size** | 3/4" |
| **Motor Sheave SetPt** | 1 TURN OPEN |
| **Fan Sheave Size** | 7.5" |
| **Fan Sheave Bore** | 1" |
| **Belt CL Distance** | 25" |
| **Num of Belts** | 1 |
| **Belt Size** | A54 |
| **Belt Alignment** | VERIFIED |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **SF CFM** | 4000 | 4188 |
| **SF RPM** | - | [1] |
| **RA CFM** | 3000 | 3127 |
| **OA CFM** | 1000 | 1061 |
| **RL Voltage** | - | 212 |
| **RL Amperage** | - | 7.8 |
| **SF Rotation** | - | CW |
| **SF System SetPt** | - | 60.0 HZ |
| **RA Damper Position** | - | 83% |
| **Min OA Damper Position** | - | 17% |
| **Min OA Damper Type** | - | OPPOSED BLADE |
| **OA Enthalpy Setpt** | - | 27B/# |

| Performance Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MA Plenum SP** | - | -0.85" |
| **Fan Suction SP** | - | -1.10" |
| **Fan Discharge SP** | - | 0.78" |
| **Total ESP** | 0.8" | 1.95" |
| **Fan Total SP** | - | 1.88" |

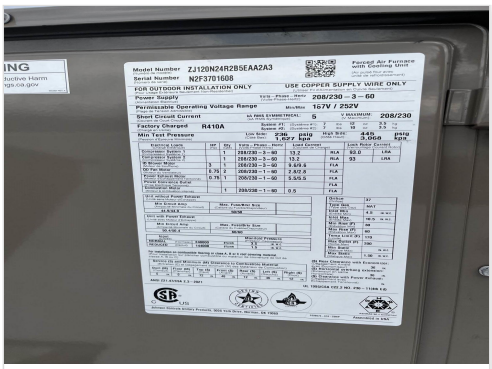
| General | |
|---|---|
| | **Actual** |
| **Fan Rotation Correct** | YES |
| **Unit Filters Clean** | YES |
| **Condensate Drain Installed** | YES |

Completed By: Jordan Best on 03/19/2025

Notes:
[1] UNABLE TO SAFELY MEASURE RPM

Written By: Will Turnbough on 07/16/2025

## Unit Data - PHOTO LOG




12/04/2024


12/04/2024

12/04/2024

# National TAB

**Project:03-17-25 CHIPOTLE #4476 ATHENS, OH**

## 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 | 18/6 | 400 | 0.63 | 389 | 407 | 402 | 100.5 |
| SGRD2 | DINING | SR2 | 18/6 | 500 | 0.63 | 352 | 342 | 504 | 100.8 |
| SGRD3 | ORDERING | SR1 | 14" | 800 | 1 | 677 | 742 | 795 | 99.4 |
| SGRD4 | ORDERING | SR1 | 14" | 700 | 1 | 800 | 869 | 752 | 107.4 |
| SGRD5 | ORDERING | SR1 | 14" | 600 | 1 | 576 | 648 | 693 | 115.5 |
| SGRD6 | ORDERING | SR1 | 14" | 500 | 1 | 595 | 589 | 522 | 104.4 |
| SGRD7 | ORDERING | SR1 | 14" | 500 | 1 | 372 | 460 | 520 | 104.0 |
| Total | | | | 4000 | | 3761 | 4057 | 4188 | 104.7% |

**Completed By: Jordan Best on 03/19/2025**

# National TAB

**Project: 03-17-25 CHIPOTLE #4476 ATHENS, OH**

## System/Unit: FAN - Exhaust

**Asset: EF1** AREA:KITCHEN

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | CAPTIVEAIRE | CAPTIVEAIRE |
| **Model Num** | DU180HFA | DU180HFA |
| **Serial Num** | - | 6376552 |
| **Type** | UPBLAST | UPBLAST |
| **Configuration** | VERTICAL | VERTICAL |

| Motor Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **Motor MFG** | - | WEG |
| **Frame** | - | 182/4T |
| **Horsepower** | 2 | 2 |
| **Motor Rpm** | - | 1170 |
| **Phase** | 3 | 3 |
| **Voltage (rated)** | 208 | 208 |
| **Amperage (rated)** | - | 7.13 |
| **Service Factor** | - | 1.15 |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **CFM** | 2550 | 2478 |
| **Fan RPM** | 1231 | 1053 |
| **Fan Rotation** | - | CCW |
| **Motor RPM** | - | 1053 |
| **System SetPt** | - | 54HZ |
| **RL Voltage** | - | 129 @VFD |
| **RL Amperage** | - | 4.6 @vfd |
| **Total ESP** | 1.450" | 0.84” |
| **Fan Inlet SP** | - | ATM |
| **Fan Discharge SP** | - | -0.84" |

Completed By: Cody Collett on 12/04/2024

### Unit Data - PHOTO LOG


**12/04/2024**

**12/04/2024**

**12/04/2024**

# National TAB

**Project: 03-17-25 CHIPOTLE #4476 ATHENS, OH**

## System/Unit: FAN - Exhaust

**Asset: EF2** AREA:RESTROOMS

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | CAPTIVEAIRE | CAPTIVEAIRE |
| **Model Num** | DR12HFA | DR12HFA |
| **Serial Num** | - | 6376552 |
| **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 | 160 |
| **Fan RPM** | 1304 | 889 |
| **Fan Rotation** | - | CCW |
| **Motor RPM** | - | 889 |
| **System SetPt** | - | 48% |
| **RL Voltage** | - | 123 |
| **RL Amperage** | - | 0.35 |
| **Total ESP** | 0.600" | 0.15" |
| **Fan Inlet SP** | - | -0.15" |
| **Fan Discharge SP** | - | ATM |

Completed By: Cody Collett on 12/04/2024

Notes:
[1] MISSING BACKDRAFT DAMPER

Written By: Michael McDonnell on 02/25/2025

### Unit Data - PHOTO LOG

**12/04/2024**

**12/04/2024**

**12/04/2024**

# National TAB

**Project:03-17-25 CHIPOTLE #4476 ATHENS, OH**

## FAN - Exhaust

**Diffuser Ret/Exh (GRD)**

**EF2/RESTROOMS**

| Asset | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Asset Name** | **Location** | **Type** | **Size** | **DESIGN CFM** | **AK** | **CFM(1)** | **CFM(2)** | **FINAL CFM** | **% to design** |
| EGRD1 | RESTROOM | ER1 | 6/6 | 75 | 1 | 128 | 128 | 82 | 109.3 |
| EGRD2 | RESTROOM | ER1 | 6/6 | 75 | 1 | 179 | 179 | 78 | 104.0 |
| Total | | | | 150 | | 307 | 307 | 160 | 106.67% |

**Completed By: Cody Collett on 12/04/2024**

# National TAB

**Project: 03-17-25 CHIPOTLE #4476 ATHENS, OH**

## System/Unit: FAN - Supply

**Asset: MUA1** AREA:

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | CAPTIVEAIRE | CAPTIVEAIRE |
| **Model Num** | A1-D.250-15D | A1-D.250-15D |
| **Serial Num** | - | 6376552 |
| **Type** | MUA | MUA |
| **Configuration** | VERTICAL | VERTICAL |

| 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)** | - | 2.9/1.45 |
| **Service Factor** | - | 1.15 |

| Gas Heat | | |
|---|---|---|
| | **Design** | **Actual** |
| **Heater Operates (y/n)** | - | YES |
| **Flame Status (pass/fail)** | - | YES |
| **Inlet Air Temp SetPt** | - | 55 |
| **Discharge Air Temp SetPt** | - | 65 |
| **Air Flow Switch SP Actual** | - | 0.33" |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **CFM** | 1300 | 1378 |
| **SF RPM** | 1555 | 1624 |
| **Motor RPM** | - | 1624 |
| **SF System SetPt** | - | 56HZ |
| **RL Voltage** | - | 159 @VFD |
| **RL Amperage** | - | 2.5 @VFD |

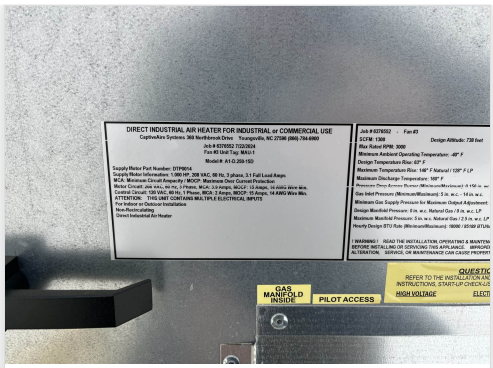
| General | |
|---|---|
| | **Actual** |
| **Fan Rotation Correct** | YES |

Completed By: Cody Collett on 12/04/2024

### Unit Data - PHOTO LOG


**12/04/2024**

**12/04/2024**




**12/04/2024**

# National TAB

**Project: 03-17-25 CHIPOTLE #4476 ATHENS, OH**

## System/Unit: Kitchen Hood Type I

**Asset: HD1** AREA:KITCHEN HOOD

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | CAPTIVEAIRE | CAPTIVEAIRE |
| **Model Num** | 5424 ND-2-ACPSP-F | 5424 ND-2-ACPSP-F |
| **Job / Serial Num** | - | 6376552 |
| **Type** | TYPE I 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 | 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** | - | 134 |
| **Filter2 FPM** | - | 153 |
| **Filter3 FPM** | - | 173 |
| **Filter4 FPM** | - | 208 |
| **Filter5 FPM** | - | 194 |
| **Filter6 FPM** | - | 195 |
| **Filter7 FPM** | - | 174 |
| **Filter8 FPM** | - | 154 |
| **Filter9 FPM** | - | 147 |
| **Filter Ave FPM(corr)** | - | 170 |
| **CFM** | 2550 | 2478 |

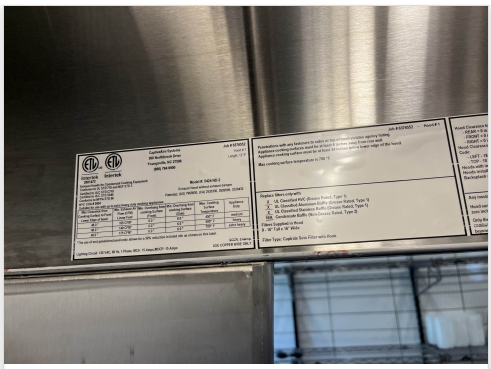
| Cooking Equipment | |
|---|---|
| | **Actual** |
| **Item 1** | GRIDDLE |
| **Item 2** | GAS STOVETOP |
| **Item 3** | RICE COOKER |
| **Item 4** | FRYER |

| Test Data Supply | | |
|---|---|---|
| | **Design** | **Actual** |
| **Total Area** | 10.31 | 10.31 |
| **Kv factor (Vel)** | 0.81 | 0.81 |
| **Num of Readings** | - | 9 |
| **Reading1 FPM** | - | 137 |
| **Reading2 FPM** | - | 113 |
| **Reading3 FPM** | - | 156 |
| **Reading4 FPM** | - | 198 |
| **Reading5 FPM** | - | 182 |
| **Reading6 FPM** | - | 186 |
| **Reading7 FPM** | - | 161 |
| **Reading8 FPM** | - | 169 |
| **Reading9 FPM** | - | 184 |
| **Ave FPM(corr)** | - | 165 |
| **CFM** | 1300 | 1378 |

Completed By: Cody Collett on 12/04/2024

## Unit Data - PHOTO LOG

12/04/2024



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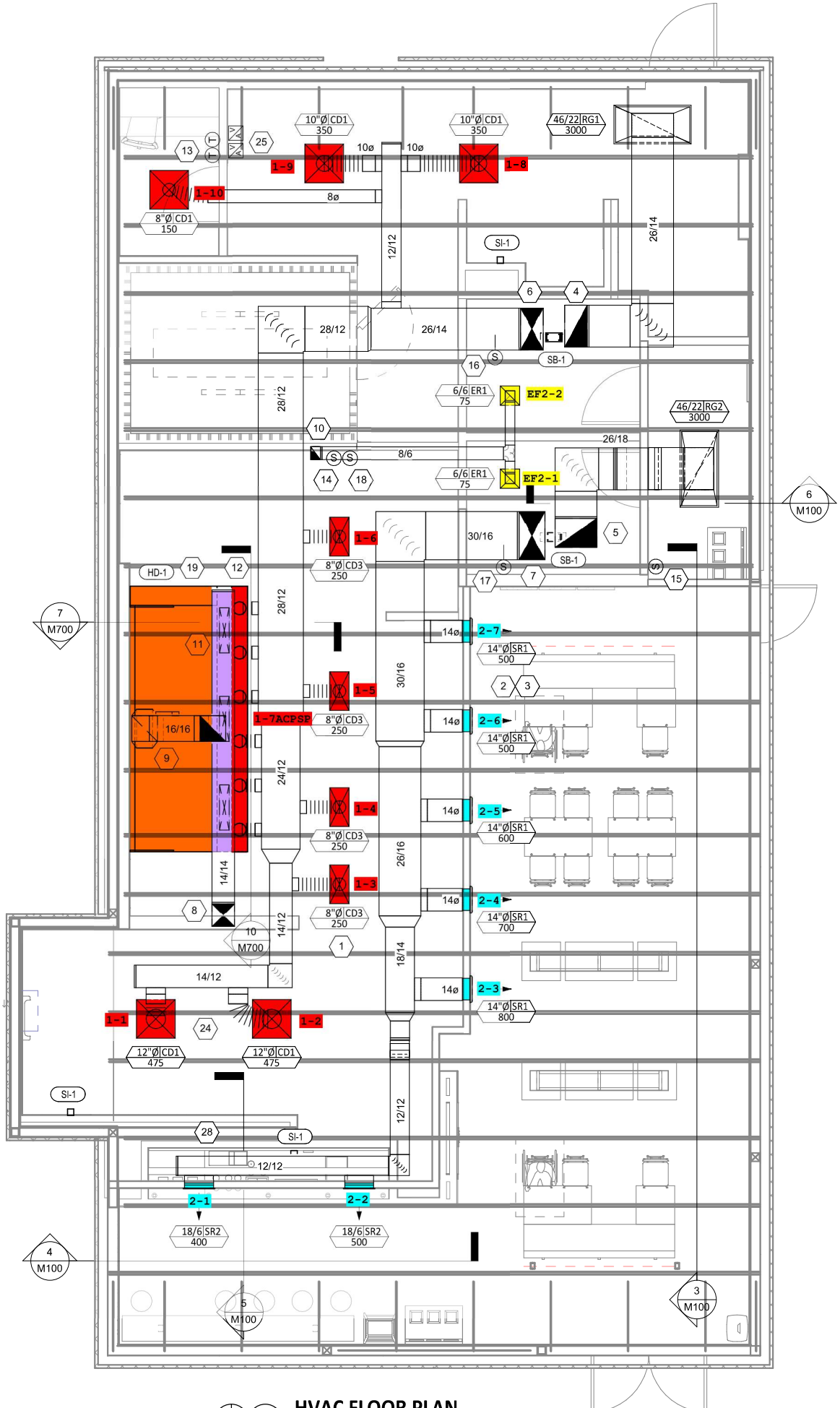




1 M100 **HVAC FLOOR PLAN**
1/4" = 1'-0"