**Report By:**

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

**Report: TAB Report**

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

**Date: 01/28/2026**

**Completed By: National TAB**

# PROJECT

## 02-16-26 WHATABURGER #1687 LUTZ, FL

25340 Sierra Center Blvd

Lutz, FL

Client

Whataburger Restaurants

300 Concord Plaza Dr

San Antonio, TX 78216

# National TAB

**Project: 02-16-26 WHATABURGER #1687 LUTZ, FL**

## Table Of Contents

## Project Summary

Project Summary
The summary below provides a quick understanding of our scope of work and general testing procedures. Enclosed in the report are further details 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.

Exhaust Fans w/ Registers
The exhaust fan was measured at the grilles to measure the total flow. The fan was then adjusted to bring airflow within tolerance of the engineer's design flow. Each grille was then adjusted to within tolerance of design flow.

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 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 4 Low Flow
- EF 4 Speed Controller
- Evaporator coils, all RTUs
- High Humidity Recorded
- RTU 2 Blower Wheel Dirty
- RTU 3 Blower wheel

## 02-16-26 WHATABURGER #1687 LUTZ, FL

### Project Issue Information

**Issue Name :** EF 4 Low Flow

**Description :** EF 4 (restrooms) is currently at 68% design airflow. Fan is running at max speed (wired directly). Airflow appears to be restricted by the installed backdraft damper, which is heavily spring loaded and cannot open fully during operation. Fan is also not fully sealed to the curb due to placement of conduit. Recommend service.

**Created By :** National TAB

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

**Status :** Open

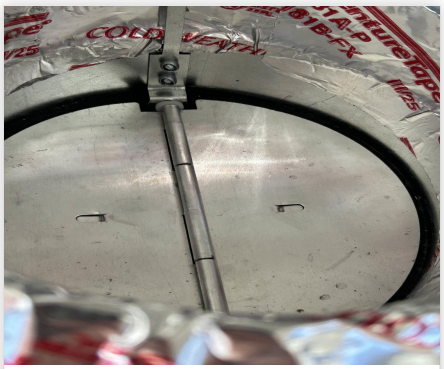
**Priority :** Urgent

**Asset Tag :**

**Originated Date :** 03/19/2026 - Mark Johnson - National TAB

Project Issue File Details

**03/19/2026**



**03/19/2026**

## 02-16-26 WHATABURGER #1687 LUTZ, FL

### Project Issue Information

**Issue Name :** EF 4 Speed Controller

**Description :** EF 4's speed controller is not functional, neither as an on/off switch nor to adjust speed. Fan appears to be wired directly to power, bypassing the speed controller. Recommend a replacement speed controller in case of future balancing.

**Created By :** National TAB

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

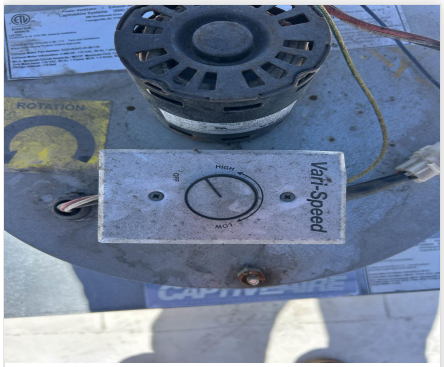
**Status :** Open

**Priority :** High

**Asset Tag :**

**Originated Date :** 03/19/2026 - Mark Johnson - National TAB

Project Issue File Details




**03/19/2026**

## 02-16-26 WHATABURGER #1687 LUTZ, FL

### Project Issue Information

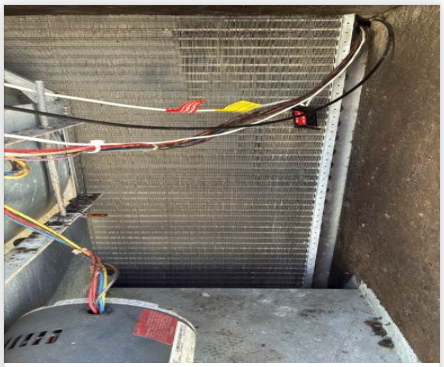
**Issue Name :** Evaporator coils, all RTUs
**Description :** Evaporator coils on all units are dirty and need to be cleaned.

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

**Status :** Open
**Priority :** Urgent
**Asset Tag :**
**Originated Date :** 02/18/2026 - Jackson Gunnels - National TAB

Project Issue File Details

**02/19/2026**



**02/19/2026**

## 02-16-26 WHATABURGER #1687 LUTZ, FL

### Project Issue Information

**Issue Name :** High Humidity Recorded

**Description :** Space is very humid, measured at %68 relative humidity. NTi noticed units were not cooling the space effectively. Cleaning evaporator coils may improve their efficiency.

**Created By :** National TAB

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

**Status :** Open

**Priority :** InfoOnly

**Asset Tag :**

**Originated Date :** 02/19/2026 - Jackson Gunnels - National TAB

Project Issue File Details

**02/19/2026**

## 02-16-26 WHATABURGER #1687 LUTZ, FL

### Project Issue Information

**Issue Name :** RTU 2 Blower Wheel Dirty

**Description :** RTU 2 Blower wheel shows moderate accumulation of debris. Not as severe as RTU 3, unit still met design. Cleaning recommended.

**Created By :** National TAB

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

**Status :** Open

**Priority :** Medium

**Asset Tag :**

**Originated Date :** 02/19/2026 - Jackson Gunnels - National TAB

Project Issue File Details

**02/19/2026**

**02/19/2026**

## 02-16-26 WHATABURGER #1687 LUTZ, FL

### Project Issue Information

**Issue Name :** RTU 3 Blower wheel

**Description :** Blower wheel on RTU 3 shows significant accumulation of debris. Profile of fan blades is affected enough that any damper balancing on unit causes significant total air loss. Opened all dampers, and set unit total to preserve comfort. Blower wheel needs to be cleaned or replaced and unit rebalanced.

**Created By :** National TAB

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

**Status :** Open

**Priority :** Urgent

**Asset Tag :**

**Originated Date :** 02/18/2026 - Jackson Gunnels - National TAB

Project Issue File Details

**02/18/2026**

Project Issue Response Details

- **03/19/2026 National TAB - Mark Johnson**
  - RTU 3 supply increased to 100% design after opening OA damper. Diffuser rebalance may be possible, but unable to access dampers at the time of return visit.

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- **02/19/2026 National TAB - Stephen Tassinaro**
  - Per technician: RTU 3 send debris into space whenever the ducts are disturbed, or the blower stops and restarts.

# CheckList List

- 01: RTU's
- 02: EF's
- 03: Hoods
- 04: Final Checks

## 02-16-26 WHATABURGER #1687 LUTZ, FL

### CheckList Information

| | | | |
|---|---|---|---|
| **Name :** | 01: RTU's | **Status :** | Completed |
| **Assigned Organization :** | National TAB | **Asset :** | |
| **Requesting Organization :** | National TAB | | |
| **Created Date :** | 01/28/2026 - Trinity Dodds - National TAB | | |
| **Completed Date :** | 02/23/2026 - Jackson Gunnels - National TAB | | |

### CheckList Item Details

**RTU's/AHU's**

| | |
|---|---|
| **Thermostats installed and have power?** | N/A |
| **Comment:** | |

| | |
|---|---|
| **All diffusers and grilles are installed and match design?** | Fail |
| **Comment:** | |
| Addiotional diffuser installed in office | |

| | |
|---|---|
| **Motors are all operating below the FLA rating?** | Pass |
| **Comment:** | |

| | |
|---|---|
| **Is gas piping installed and valves turned on?** | N/A |
| **Comment:** | |

| | |
|---|---|
| **Unit free of noticeable noise and vibration** | Pass |
| **Comment:** | |

| | |
|---|---|
| **Final outside air damper position is set manually and marked with permanent marker?** | Fail |
| **Comment:** | |
| Units 1 and 3 did not meet design. Did not mark. Unit 2 met design, marked. | |

| | |
|---|---|
| **Supply airflow is 0 to +10%?** | Fail |

**Comment:**

Unable to slow unit 1 down, currently at %112. Fan needs to be set to 2140 rpm to meet design.

| | |
|---|---|
| **Outside airflow is 0 to +10%?** | Fail |

**Comment:**

OA dampers on all units full open, unable to reach design airflow

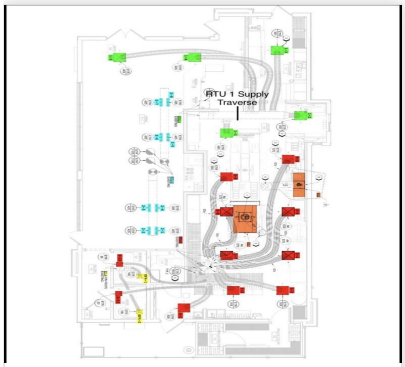
| | |
|---|---|
| **Return balance dampers are confirmed to be 100% open (if installed)?** | Pass |

**Comment:**

| | |
|---|---|
| **Screenshot of the GRD marked up with supply and return traverse locations for RTU-1 (Add picture here)** | Pass |

**Comment:**

Return traverse not possible.




**02/23/2026**

| | |
|---|---|
| **Screenshot of the GRD marked up with supply and return traverse locations for RTU-2 (Add picture here)** | Fail |

**Comment:**

Return drops too short to be traversed. Not enough straight section of supply drop before diffusers to read total supply without significant turbulence. Additionally, unit was read with VelGrid and kfactor. Supply traverse is unlikely to uncover a leak when read using this method. No leaks observed.

| | |
|---|---|
| **For each unit supply, is the flow hood reading within 10% of the final traverse reading? If not do you feel any major points of leakage** | Pass |

**Comment:**

RTU 2 within %10. Unable to traverse other units, no major leakage observed.

| | |
|---|---|
| **For each unit return, is the flow hood reading within 10% of the final traverse reading? If not do you feel any major points of leakage** | N/A |

**Comment:**

Unable to traverse return ducts.

# 02-16-26 WHATABURGER #1687 LUTZ, FL

## CheckList Information

| | | | |
|---|---|---|---|
| **Name :** | 02: EF's | **Status :** | Completed |
| **Assigned Organization :** | National TAB | **Asset :** | |
| **Requesting Organization :** | National TAB | | |
| **Created Date :** | 01/28/2026 - Trinity Dodds - National TAB | | |
| **Completed Date :** | 02/23/2026 - Jackson Gunnels - National TAB | | |

## CheckList Item Details

**EF's**

| | |
|---|---|
| **Rotation is correct?** | Pass |
| **Comment:** | |
| **Belts are tight?** | N/A |
| **Comment:** | |
| **Hinge kit installed installed on hood fan?** | Pass |
| **Comment:** | |
| **Lean fan back. Is grease duct installation adequate and is duct ran all the way to the base of the fan?** | Pass |
| **Comment:** | |
| **Flex conduit is long enough so that fan can be completely tilted back?** | Pass |
| **Comment:** | |
| **There is no major leakage around base of fan?** | Fail |
| **Comment:** Curb | |

| | |
|---|---|
| **Is the motor operating below the motor FLA rating?** | Pass |
| **Comment:** | |
| **For restroom fan(s) is the back draft damper installed and can it fully open?** | Fail |
| **Comment:**<br>Not Installed | |
| **Unit free of noticeable noise and vibration?** | Pass |
| **Comment:** | |
| **Exhaust airflow is 0 to +10%?** | Fail |
| **Comment:**<br>Fans installed on wrong curbs, unable to balance. Restroom fan non-functional. | |

# 02-16-26 WHATABURGER #1687 LUTZ, FL

## CheckList Information

| | | | |
|---|---|---|---|
| **Name :** | 03: Hoods | **Status :** | Completed |
| **Assigned Organization :** | National TAB | **Asset :** | |
| **Requesting Organization :** | National TAB | | |
| **Created Date :** | 01/28/2026 - Trinity Dodds - National TAB | | |
| **Completed Date :** | 02/23/2026 - Jackson Gunnels - National TAB | | |

## CheckList Item Details

**HOODS**

| | |
|---|---|
| **All hood filters installed and accounted for?** | Pass |
| **Comment:** | |
| **Hoods are wired and have power?** | Pass |
| **Comment:** | |
| **Hood is free of alarms?** | N/A |
| **Comment:** | |
| **Hood is free of damage?** | Pass |
| **Comment:** | |
| **Quarter or full vertical end panels are installed if specified?** | Pass |
| **Comment:** | |

# 02-16-26 WHATABURGER #1687 LUTZ, FL

## CheckList Information

| | | | |
|---|---|---|---|
| **Name :** | 04: Final Checks | **Status :** | Completed |
| **Assigned Organization :** | National TAB | **Asset :** | |
| **Requesting Organization :** | National TAB | | |
| **Created Date :** | 01/28/2026 - Trinity Dodds - National TAB | | |
| **Completed Date :** | 02/23/2026 - Jackson Gunnels - National TAB | | |

## CheckList Item Details

**FINAL CHECKS**

| | |
|---|---|
| **Is space free of drafting?** | Pass |
| **Comment:** | |

| | |
|---|---|
| **Is space comfortable in all areas?** | Fail |
| **Comment:** | |
| Space very humid. | |

| | |
|---|---|
| **Is the space free of ventilation noise?** | Pass |
| **Comment:** | |

**List kitchen equipment turned on for testing**

**Comment:**

NA

**List smoke candle type used**

**Comment:**

NA

**HOOD CAPTURE TEST**

**Smoke test capture % - Perimeter of hood**

**Comment:**

Unable to conduct test

**Smoke test capture % - Top of cooking surface**

**Comment:**

**WITNESS**

**Date test was completed**

**Comment:**

**TAB tech name / Firm**

**Comment:**

**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)** | Pass |

**Comment:**

*hoods not balanced

| | |
|---|---|
| **Is the building pressure at least +0.02"? If not, do you see any obvious areas of external building that aren't sealed?** | Pass |

**Comment:**

*hoods not balanced

# National TAB

**Project: 02-16-26 WHATABURGER #1687 LUTZ, FL**

## System/Unit: AHU/RTU

**Asset: RTU-1** AREA:KITCHEN/DRY STORAGE

| Unit Data | |
|---|---|
| | **Actual** |
| **MFG** | CARRIER |
| **Serial Num** | 0320C85922 |
| **Model Num** | 50GCN06A2A5A0A0A0 |
| **Num OA Filters 1** | 1 |
| **OA Filter Size 1** | 28x14 |
| **Num Final Filter 1** | 4 |
| **Final Filter Size 1** | 16x16x2 |

| Motor Data | |
|---|---|
| | **Actual** |
| **Phase** | 1 |
| **Rated Voltage** | 208/230 |
| **Rated Amperage** | 8.6 |

| Drive Data | |
|---|---|
| | **Actual** |
| **Motor Sheave SetPt** | DIRECT DRIVE |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **SF CFM (Traverse)** | - | 2329 |
| **SF CFM** | 2000 | 1930 |
| **SF RPM** | - | 2073 |
| **MOTOR RPM** | - | 2073 |
| **RA CFM (Traverse)** | - | * |
| **RA CFM** | 1300 | 1241 |
| **OA CFM** | 700 | 689 |
| **RL Voltage** | - | 212/212/212 |
| **RL Amperage** | - | 6.0 |
| **SF System SetPt** | - | 8.42VDC |
| **Min OA Damper Position** | - | MANUAL (MARKED) |
| **Min OA Damper Type** | - | OPPOSED BLADE |

| Performance Data | |
|---|---|
| | **Actual** |
| **MA Plenum SP** | -0.23” |
| **Fan Suction SP** | -0.69” |
| **Fan Discharge SP** | 1.12” |
| **Total ESP** | 1.35" |
| **Fan Total SP** | 2.04" |

| General | |
|---|---|
| | **Actual** |
| **Unit free of Damage** | YES |
| **Fan Rotation Correct** | CORRECT |
| **Unit Filters Clean** | YES |
| **Condensate Drain Installed** | YES |

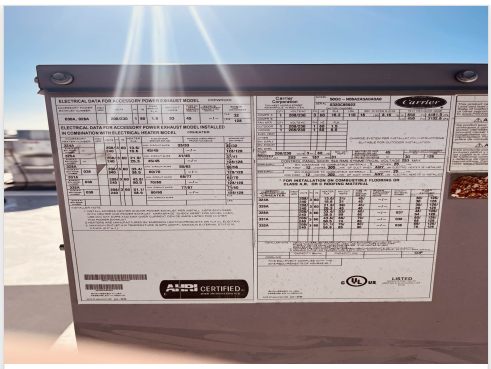
Completed By: Mark Johnson on 03/19/2026

Notes:
*Unable to traverse return

Written By: Jackson Gunnels on 02/19/2026

## Unit Data - PHOTO LOG

02/19/2026



02/19/2026

# National TAB

**Project:02-16-26 WHATABURGER #1687 LUTZ, FL**

## AHU/RTU

**Diffuser Supply (GRD)**

**RTU-1/KITCHEN/DRY STORAGE**

| Asset | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Asset Name** | **Location** | **Type** | **Size** | **DESIGN CFM** | **AK** | **CFM(1)** | **CFM(2)** | **FINAL CFM** | **% to design** |
| SGRD1 | KITCHEN | ETR | NA | 450 | 1 | 515 | 640 | 405 | 90.0 |
| SGRD2 | KITCHEN | ETR | NA | 450 | 1 | 101 | 343 | 422 | 93.8 |
| SGRD3 | DRY STORAGE | ETR | NA | 300 | 1 | 507 | 589 | 283 | 94.3 |
| SGRD4 | SERVING AREA | ETR | NA | 400 | 1 | 442 | 461 | 432 | 108.0 |
| SGRD5 | ENTRY | ETR | NA | 400 | 1 | 363 | 375 | 388 | 97.0 |
| Total | | | | 2000 | | 1928 | 2408 | 1930 | 96.5% |

**Completed By: Stephen Tassinaro on 03/18/2026**

# National TAB

**Project: 02-16-26 WHATABURGER #1687 LUTZ, FL**

## System/Unit: AHU/RTU

**Asset: RTU-2** AREA:DINING

| Unit Data | |
|---|---|
| | **Actual** |
| **MFG** | CARRIER |
| **Serial Num** | 030P89347 |
| **Model Num** | 50HCE09A2A5A0K0A0 |
| **Num OA Filters 1** | 1 |
| **OA Filter Size 1** | 35x19 |
| **Num Final Filter 1** | 4 |
| **Final Filter Size 1** | 20x20x2 |

| Motor Data | |
|---|---|
| | **Actual** |
| **Motor MFG** | MARATHON |
| **Frame** | 56HZ |
| **Motor Rpm** | 1725 |
| **Phase** | 3 |
| **Rated Voltage** | 208-230 |
| **Rated Amperage** | 6.9-6.7 |

| Drive Data | |
|---|---|
| | **Actual** |
| **Motor Sheave Size** | 4 |
| **Motor Bore Size** | 5/8 |
| **Motor Sheave SetPt** | 4 TURNS OUT |
| **Fan Sheave Size** | AFD74 |
| **Fan Sheave Bore** | 1” |
| **Belt CL Distance** | 16.75 |
| **Num of Belts** | 1 |
| **Belt Size** | A48 |
| **Belt Alignment** | GOOD |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **SF CFM** | 3400 | 3667 |
| **SF RPM** | - | 775 |
| **MOTOR RPM** | - | 1746 |
| **RA CFM** | 2300 | 2563 |
| **OA CFM** | 1100 | 1104 |
| **RL Voltage** | - | 214/213/212 |
| **RL Amperage** | - | 4.48/4.77/4.54 |
| **SF System SetPt** | - | 60 HZ |
| **Min OA Damper Position** | - | MANUAL (MARKED) |
| **Min OA Damper Type** | - | OPPOSED BLADE |

| Performance Data | |
|---|---|
| | **Actual** |
| **MA Plenum SP** | -0.22” |
| **Fan Suction SP** | -0.81” |
| **Fan Discharge SP** | 0.51” |
| **Total ESP** | 0.73” |
| **Fan Total SP** | 1.32” |

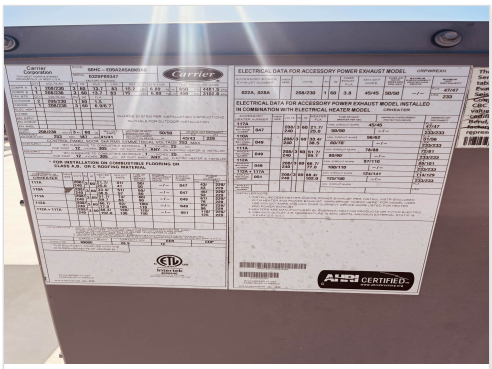
| General | |
|---|---|
| | **Actual** |
| **Unit free of Damage** | YES |
| **Fan Rotation Correct** | YES |
| **Unit Filters Clean** | YES |
| **Condensate Drain Installed** | YES |

Completed By: Mark Johnson on 03/19/2026

Notes:
Unable to traverse unit

Written By: Jackson Gunnels on 02/19/2026

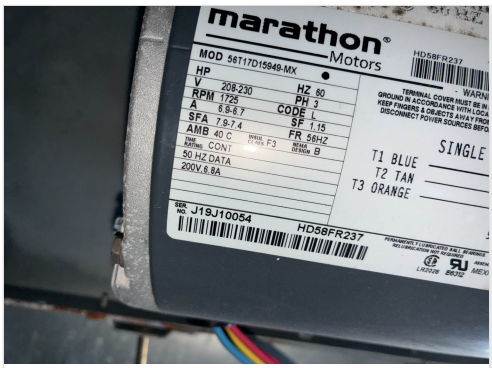
## Unit Data - PHOTO LOG



**02/19/2026**

**02/19/2026**

## Motor Data - PHOTO LOG




**02/19/2026**

# National TAB

**Project:02-16-26 WHATABURGER #1687 LUTZ, FL**

## AHU/RTU

**Diffuser Supply (GRD)**

**RTU-2/DINING**

| Asset | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Asset Name** | **Location** | **Type** | **Size** | **DESIGN CFM** | **AK** | **CFM(1)** | **CFM(2)** | **FINAL CFM** | **% to design** |
| SGRD1 | DINING | ETR | NA | 425 | 0.95 | 505 | 459 | 495 | 116.5 |
| SGRD2 | DINING | ETR | NA | 425 | 0.95 | 670 | 432 | 466 | 109.6 |
| SGRD3 | DINING | ETR | NA | 425 | 0.95 | 441 | 440 | 474 | 111.5 |
| SGRD4 | DINING | ETR | NA | 425 | 0.95 | 419 | 395 | 426 | 100.2 |
| SGRD5 | DINING | ETR | NA | 425 | 0.95 | 428 | 437 | 471 | 110.8 |
| SGRD6 | DINING | ETR | NA | 425 | 0.95 | 513 | 409 | 441 | 103.8 |
| SGRD7 | DINING | ETR | NA | 425 | 0.95 | 484 | 416 | 448 | 105.4 |
| SGRD8 | DINING | ETR | NA | 425 | 0.95 | 482 | 414 | 446 | 104.9 |
| Total | | | | 3400 | | 3942 | 3402 | 3667 | 107.85% |

**Completed By: Mark Johnson on 03/19/2026**

# National TAB

**Project: 02-16-26 WHATABURGER #1687 LUTZ, FL**

## System/Unit: AHU/RTU

**Asset: RTU-3** AREA:KITCHEN

| Unit Data | |
|---|---|
| | **Actual** |
| **MFG** | CARRIER |
| **Serial Num** | 0320P05391 |
| **Model Num** | 50HCD14A2A5A0K0A0 |
| **Num OA Filters 1** | 2 |
| **OA Filter Size 1** | 22.5x25.5 |
| **Num Final Filter 1** | 6 |
| **Final Filter Size 1** | 18X24X2 |

| Motor Data | |
|---|---|
| | **Actual** |
| **Motor MFG** | MARATHON |
| **Frame** | 56HZ |
| **Motor Rpm** | 1725 |
| **Phase** | 3 |
| **Rated Voltage** | 230 |
| **Rated Amperage** | 10.6 |

| Drive Data | |
|---|---|
| | **Actual** |
| **Motor Sheave Size** | 4.75 |
| **Motor Bore Size** | 7/8 |
| **Motor Sheave SetPt** | 1.0 TURNS OUT |
| **Fan Sheave Size** | AK104 |
| **Fan Sheave Bore** | 1 3/16 |
| **Belt CL Distance** | 20.5 |
| **Num of Belts** | 1 |
| **Belt Size** | A61 |
| **Belt Alignment** | POOR |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **SF CFM** | 5000 | 5083 |
| **SF RPM** | - | 720 |
| **MOTOR RPM** | - | 1726 |
| **RA CFM** | 3365 | 3585 |
| **OA CFM** | 1635 | 1498 |
| **RL Voltage** | - | 214/213/213 |
| **RL Amperage** | - | 7.22/7.45/7.34 |
| **SF System SetPt** | - | 60 HZ |
| **Min OA Damper Position** | - | MANUAL (MARKED) |
| **Min OA Damper Type** | - | OPPOSED BLADE |

| Performance Data | |
|---|---|
| | **Actual** |
| **MA Plenum SP** | -0.46” |
| **Fan Suction SP** | -0.96” |
| **Fan Discharge SP** | 0.52” |
| **Total ESP** | 0.98” |
| **Fan Total SP** | 1.48” |

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

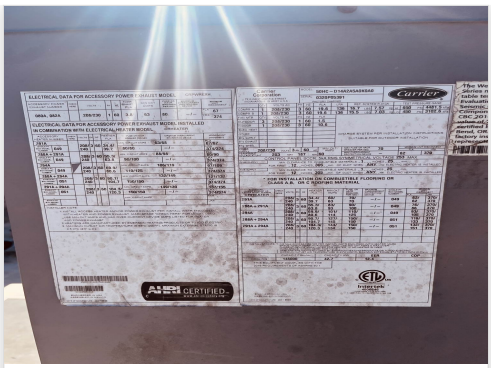
Completed By: Mark Johnson on 03/19/2026

Notes:
Fan sheave sits further out than motor sheave

Written By: Jackson Gunnels on 02/18/2026

## Unit Data - PHOTO LOG

02/19/2026



02/19/2026

## Motor Data - PHOTO LOG

02/18/2026

# National TAB

**Project:02-16-26 WHATABURGER #1687 LUTZ, FL**

## AHU/RTU

### Diffuser Supply (GRD)

**RTU-3/KITCHEN**

| Asset | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Asset Name** | **Location** | **Type** | **Size** | **DESIGN CFM** | **AK** | **CFM(1)** | **CFM(2)** | **FINAL CFM** | **% to design** |
| SGRD1 | BOH | ETR | NA | 500 | 1 | 367 | 427 | 637 | 127.4 |
| SGRD2 | WASHROOM | ETR | NA | 500 | 1 | 567 | 661 | 575 | 115.0 |
| SGRD3 | KITCHEN | ETR | NA | 500 | 1 | 514 | 599 | 767 | 153.4 |
| SGRD4 | KITCHEN | ETR | NA | 570 | 1 | 406 | 473 | 425 | 74.6 |
| SGRD5 | KITCHEN | ETR | NA | 570 | 1 | 362 | 422 | 455 | 79.8 |
| SGRD6 | KITCHEN | ETR | NA | 570 | 1 | 244 | 284 | 367 | 64.4 |
| SGRD7 | KITCHEN | ETR | NA | 570 | 1 | 587 | 684 | 423 | 74.2 |
| SGRD8 | KITCHEN | ETR | NA | 570 | 1 | 348 | 405 | 422 | 74.0 |
| SGRD9 | KITCHEN | ETR | NA | 550 | 1 | 704 | 820 | 639 | 116.2 |
| SGRD10 | WOMEN'S RR | ETR | NA | 50 | 1 | 118 | 137 | 93 | 186.0 |
| SGRD11 | MEN'S RR | ETR | NA | 50 | 1 | 135 | 157 | 80 | 160.0 |
| SGRD12 | OFFICE | NA | NA | | 1 | 198 | 305 | 200 | - |
| Total | | | | 5000 | | 4550 | 5374 | 5083 | 101.66% |

**Completed By: Mark Johnson on 03/19/2026**

| Asset | Notes | Date | Written By |
|---|---|---|---|
| SGRD1 | When dampers were adjusted, significant loss of total performance occurred. Left dampers open to maintain total flow. | 02/26/2026 | Stephen Tassinaro |

**Diffuser Supply (GRD)**

**TRAVERSES/**

| Asset | | | | | |
|---|---|---|---|---|---|
| **Asset Name** | **Size** | **DESIGN CFM** | **VEL(1)** | **FINAL CFM** | **% to design** |
| RETURN TRAVERSE - RTU1 | | | | | |
| RETURN TRAVERSE - RTU2 | | | | | |
| SUPPLY TRAVERSE - RTU1 | 16x18 | 2000 | 1164 | 2329 | 116.5 |
| SUPPLY TRAVERSE - RTU2 | | | | | |
| Total | | 2000 | | 2329 | 116.45% |

# National TAB

**Project: 02-16-26 WHATABURGER #1687 LUTZ, FL**

## System/Unit: FAN - Exhaust

**Asset: EF-4** AREA:RESTROOM

| Unit Data | |
|---|---|
| | **Actual** |
| **MFG** | CAPTIVEAIRE |
| **Model Num** | DR10HFA |
| **Serial Num** | 3908428 |
| **Type** | CENTRIFUGAL |
| **Configuration** | DOWNBLAST |

| Motor Data | |
|---|---|
| | **Actual** |
| **Horsepower** | 0.060 |
| **Phase** | 1 |
| **Voltage (rated)** | 115 |
| **Amperage (rated)** | 1.1 |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **CFM** | 200 | 136 |
| **Fan RPM** | - | DIRECT DRIVE |
| **Fan Rotation** | - | CORRECT |
| **Motor RPM** | - | DIRECT DRIVE |
| **System SetPt** | - | MAX |
| **RL Voltage** | - | NOT ACCESSIBLE |
| **RL Amperage** | - | 0.63 |
| **Total ESP** | - | NOT ACCESSIBLE |
| **Fan Inlet SP** | - | NOT ACCESSIBLE |
| **Fan Discharge SP** | - | ATM |

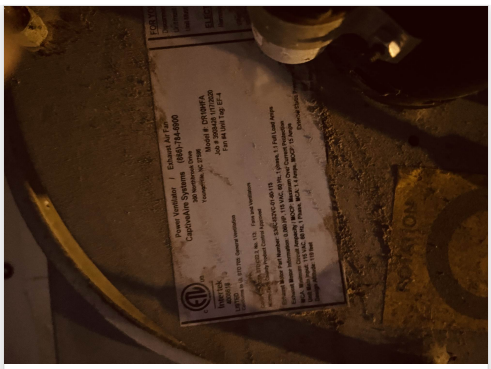
Completed By: Mark Johnson on 03/19/2026

Notes:
Fan not running. Unable to balance.

Written By: Stephen Tassinaro on 02/26/2026

## Unit Data - PHOTO LOG

02/19/2026



02/19/2026

# National TAB

**Project:02-16-26 WHATABURGER #1687 LUTZ, FL**

## FAN - Exhaust

**Diffuser Ret/Exh (GRD)**

**EF-4/RESTROOM**

| Asset | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Asset Name** | **Location** | **Type** | **Size** | **DESIGN CFM** | **AK** | **CFM(1)** | **CFM(2)** | **FINAL CFM** | **% to design** |
| EGRD1 | RESTROOM | ETR | NA | 100 | 1 | 78 | 46 | 64 | 64.0 |
| EGRD2 | RESTROOM | ETR | NA | 100 | 1 | 78 | 58 | 72 | 72.0 |
| Total | | | | 200 | | 156 | 104 | 136 | 68% |

# National TAB

**Project: 02-16-26 WHATABURGER #1687 LUTZ, FL**

## System/Unit: FAN - Exhaust

**Asset: KEF-1** AREA:GRIDDLE

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | GREENHECK | CAPTIVE AIRE |
| **Model Num** | CUE-140-VG | DU180HFA |
| **Serial Num** | - | 8357473 |
| **Type** | UPBLAST | CENTRIFUGAL |
| **Configuration** | VERTICAL | UPBLAST |

| Motor Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **Motor MFG** | - | TECO WESTINGHOUSE |
| **Frame** | - | 145T |
| **Horsepower** | 0.75 | 1 |
| **Motor Rpm** | - | 1150 |
| **Phase** | 1 | 3 |
| **Voltage (rated)** | 208 | 230 |
| **Amperage (rated)** | - | 3.44 |
| **Service Factor** | - | 1.15 |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **CFM** | 1995 | 2052 |
| **Fan RPM** | - | 882 |
| **Fan Rotation** | - | CORRECT |
| **Motor RPM** | - | DIRECT DRIVE |
| **System SetPt** | - | 46.0 HZ |
| **RL Voltage** | - | 129 VFD |
| **RL Amperage** | - | 2.85 VFD |
| **Total ESP** | 1.00" | 0.69” |
| **Fan Inlet SP** | - | -0.69” |
| **Fan Discharge SP** | - | ATM |

Completed By: Mark Johnson on 03/19/2026

## Unit Data - PHOTO LOG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# National TAB

**Project: 02-16-26 WHATABURGER #1687 LUTZ, FL**

## System/Unit: FAN - Exhaust

**Asset: KEF-2** AREA:FRYER

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | GREENHECK | CAPTIVE AIRE |
| **Model Num** | CUE-120-VG | DU50HFA |
| **Serial Num** | - | 8357473 |
| **Type** | UPBLAST | CENTRIFUGAL |
| **Configuration** | VERTICAL | UPBLAST |

| Motor Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **Motor MFG** | - | TELCO GREEN |
| **Horsepower** | 0.25 | 0.5 |
| **Motor Rpm** | - | 1800 |
| **Phase** | 1 | 1 |
| **Voltage (rated)** | 208 | 208 |
| **Amperage (rated)** | - | 3.8 |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **CFM** | 1091 | 1118 |
| **Fan RPM** | - | 1049 |
| **Fan Rotation** | - | CORRECT |
| **Motor RPM** | - | 1049 |
| **System SetPt** | - | 52% |
| **RL Voltage** | - | 213 |
| **RL Amperage** | - | 1.51 |
| **Total ESP** | 0.75" | 0.43” |
| **Fan Inlet SP** | - | -0.43” |
| **Fan Discharge SP** | - | ATM |

Completed By: Mark Johnson on 03/19/2026

Notes:
FLA not printed on motor label, read from unit label.

Written By: Jackson Gunnels on 02/20/2026

## Unit Data - PHOTO LOG


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# National TAB

**Project: 02-16-26 WHATABURGER #1687 LUTZ, FL**

## System/Unit: Kitchen Hood Type I

**Asset: HD-1** AREA:GRILL

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | H&K | H&K |
| **Model Num** | HKD027 | HKD027 |
| **Job / Serial Num** | - | 8189539 |
| **Type** | TYPE I CANOPY | TYPE I CANOPY |
| **Hood length** | 87" | 87" |
| **Hood Width** | 56" | 56" |

| Test Data Exhaust | | |
|---|---|---|
| | **Design** | **Actual** |
| **Filter Type** | FLAMGUARD | FLAMGUARD |
| **Filter Size 1** | 20X12 | 20X12 |
| **Filter Qty 1** | 8 | 8 |
| **Filter AK factor size 1** | 1.5 | 1.5 |
| **Filter Total AK Area** | 12 | 12 |
| **Filter1 FPM** | - | 171 |
| **Filter2 FPM** | - | 192 |
| **Filter3 FPM** | - | 168 |
| **Filter4 FPM** | - | 156 |
| **Filter5 FPM** | - | 162 |
| **Filter6 FPM** | - | 172 |
| **Filter7 FPM** | - | 177 |
| **Filter8 FPM** | - | 174 |
| **Filter Ave FPM(corr)** | - | 171 |
| **CFM** | 1994 | 2052 |

| Cooking Equipment | |
|---|---|
| | **Actual** |
| **Item 1** | GRIDDLE |
| **Item 2** | CLAMSHELL |

Completed By: Mark Johnson on 03/19/2026

## Unit Data - PHOTO LOG

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# National TAB

**Project: 02-16-26 WHATABURGER #1687 LUTZ, FL**

## System/Unit: Kitchen Hood Type I

**Asset: HD-2** AREA:FRYER HOOD

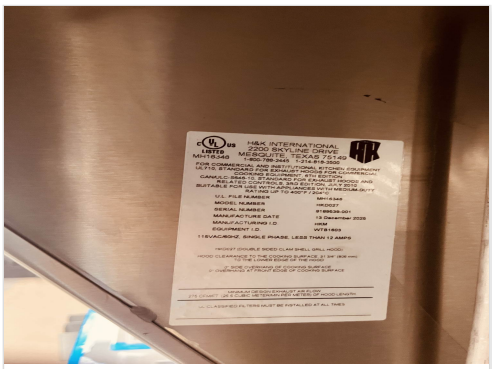
| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | H&K | H&K |
| **Model Num** | HKD023 | HKD023 |
| **Job / Serial Num** | - | 8191084 |
| **Type** | TYPE I CANOPY | TYPE I CANOPY |
| **Hood length** | 66" | 66" |
| **Hood Width** | 22" | 22" |

| Test Data Exhaust | | |
|---|---|---|
| | **Design** | **Actual** |
| **Filter Type** | FLAMGUARD | FLAMGUARD |
| **Filter Size 1** | 16X12 | 16X12 |
| **Filter Qty 1** | 4 | 4 |
| **Filter AK factor size 1** | 1.16 | 1.16 |
| **Filter Total AK Area** | 4.64 | 4.64 |
| **Filter1 FPM** | - | 242 |
| **Filter2 FPM** | - | 236 |
| **Filter3 FPM** | - | 252 |
| **Filter4 FPM** | - | 235 |
| **Filter Ave FPM(corr)** | - | 241 |
| **CFM** | 1091 | 1118 |

| Cooking Equipment | |
|---|---|
| | **Actual** |
| **Item 1** | FRYER |

Completed By: Mark Johnson on 03/19/2026

## Unit Data - PHOTO LOG




**02/19/2026**