**Report By:**

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

**Report: INITIAL REPORT**

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

**Date: 04/08/2026**

**Completed By: National TAB**

# PROJECT

## 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)

16641 BIRKDALE COMMONS PKWY

HUNTERSVILLE, NC 28078

Client

FIREBIRD RESTAURANTS

8700 Red Oak Blvd, Unit J

CHARLOTTE, NC 28217

# National TAB

**Project: 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)**

## Table Of Contents

# CheckList List

- STEP 1: INITIAL READINGS
- STEP 2: INITIAL WALKTHROUGH
- STEP 3: UNIT DATA AND EVAL
- STEP 4: TEST, ADJUST AND BALANCE
- STEP 5: FINAL TESTS
- STEP 6: FINAL DOCUMENTATION

## 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)

### CheckList Information

| | | | |
|---|---|---|---|
| **Name :** | STEP 1: INITIAL READINGS | **Status :** | Not Completed |
| **Assigned Organization :** | National TAB | **Asset :** | |
| **Requesting Organization :** | National TAB | | |
| **Created Date :** | 04/08/2026 - Natasha Louw - National TAB | | |

### CheckList Item Details

**INITIAL BUILDING REVIEW:**

**What is the initial building pressure before making any changes?**

**Comment:**

**Are thermostats programmed?**

**Comment:**

**Are building pressure relief working properly?**

**Comment:**

**INITIAL AIRFLOWS:**

**SUPPLY RTU-1**

**Comment:**

**OA RTU-1**

**Comment:**

**SUPPLY RTU-2**

**Comment:**

**OA RTU-2**

**Comment:**

**SUPPLY RTU-3**

**Comment:**

**OA RTU-3**

**Comment:**

**EF-1**

**Comment:**

**EF-2**

**Comment:**

**EF-3**

**Comment:**

**EF-4**

**Comment:**

**MAU-1**

**Comment:**

# 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)

## CheckList Information

| | | | |
|---|---|---|---|
| **Name :** | STEP 2: INITIAL WALKTHROUGH | **Status :** | Not Completed |
| **Assigned Organization :** | National TAB | **Asset :** | |
| **Requesting Organization :** | National TAB | | |
| **Created Date :** | 04/08/2026 - Natasha Louw - National TAB | | |

## CheckList Item Details

**INITIAL SITE WALKTHROUGH**

**All diffusers and grilles are installed and match design?**

**Comment:**

**All hood filters installed and accounted for?**

**Comment:**

**Hoods are wired and have power?**

**Comment:**

**Hood is free of alarms?**

**Comment:**

**Thermostats have power?**

**Comment:**

**Have trades/general contractor been notified about any issues and are they created on FaciliBuild?**

**Comment:**

# 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)

## CheckList Information

| | | | |
|---|---|---|---|
| **Name :** | STEP 3: UNIT DATA AND EVAL | **Status :** | Not Completed |
| **Assigned Organization :** | National TAB | **Asset :** | |
| **Requesting Organization :** | National TAB | | |
| **Created Date :** | 04/08/2026 - Natasha Louw - National TAB | | |

## CheckList Item Details

**UNIT DATA AND EVALUATION WHILE GATHERING UNIT DATA CHECK THE FOLLOWING:**

**RTU's/AHU's**

**Economizers are assembled and functional?**

**Comment:**

**DCV Max damper opening position is set to minimum?**

**Comment:**

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

**Comment:**

**Motors are all operating below the FLA rating?**

**Comment:**

**Are belts tight?**

**Comment:**

**If direct drive unit is the speed controller working.**

**Comment:**

**Is gas piping installed and valves turned on?**

**Comment:**

---

**Unit free of noticeable noise and vibration**

**Comment:**

---

**EF's**

---

**Rotation is correct?**

**Comment:**

---

**Belts are tight?**

**Comment:**

---

**Grease cup installed on hood fan?**

**Comment:**

---

**Hinge kit installed installed on hood fan?**

**Comment:**

---

**Lean fan back. Is grease duct installation adequate and is duct ran all the way to the base of the fan?**

**Comment:**

---

**Flex conduit is long enough so that fan can be completely tilted back?**

**Comment:**

---

**There is no major leakage around base of fan?**

**Comment:**

---

**Is the motor operating below the motor FLA rating?**

**Comment:**

---

**For restroom fan(s) is the back draft damper installed and can it fully open?**

**Comment:**

---

**Unit free of noticeable noise and vibration?**

**Comment:**

---

**MUA**

---

**Rotation is correct?**

**Comment:**

---

**Gas piping is installed and valves are in on position?**

**Comment:**

---

**Heater tested and is functional?**

**Comment:**

---

**Internal motorized damper is fully opening?**

**Comment:**

---

**Motor is operating below the FLA rating?**

**Comment:**

---

**Unit free of noticeable noise and vibration?**

**Comment:**

---

**HOODS**

---

**Kitchen equipment installed in proper places?**

**Comment:**

---

**Can kitchen equipment be turned on for final smoke test?**

**Comment:**

---

**DOCUMENTATION**

---

**Have trades/general contractor been notified about any issues and are they created on FaciliBuild?**

**Comment:**

---

# 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)

## CheckList Information

| | | | |
|---|---|---|---|
| **Name :** | STEP 4: TEST, ADJUST AND BALANCE | **Status :** | Not Completed |
| **Assigned Organization :** | National TAB | **Asset :** | |
| **Requesting Organization :** | National TAB | | |
| **Created Date :** | 04/08/2026 - Natasha Louw - National TAB | | |

## CheckList Item Details

**TEST, ADJUST, AND BALANCE ALL EQUIPMENT:**

**DURING TESTING MAKE NOTE OF THE FOLLOWING:**

**Is space free of drafting?**

**Comment:**

**Is space comfortable in all areas?**

**Comment:**

**Is the space free of ventilation noise?**

**Comment:**

**If deviations from design were necessary to resolve 1-3 what were they? Otherwise put "NA".**

**Comment:**

# 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)

## CheckList Information

| | | | |
|---|---|---|---|
| **Name :** | STEP 5: FINAL TESTS | **Status :** | Not Completed |
| **Assigned Organization :** | National TAB | **Asset :** | |
| **Requesting Organization :** | National TAB | | |
| **Created Date :** | 04/08/2026 - Natasha Louw - National TAB | | |

## CheckList Item Details

**FINAL TESTS**

**HOOD CAPTURE TEST**

**List equipment turned on for testing**

**Comment:**

**List smoke candle type used**

**Comment:**

**Smoke test capture - Perimeter of hood**

**Comment:**

**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 at front & back doors (All Systems On)**

**Comment:**

---

**ADDITIONAL**

---

**Do actual net building airflow, design net building airflow, and pressure coincide? If not why? (All three should either be positive or negative)**

**Comment:**

---

**Thermostats are programmed?**

**Comment:**

---

# 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)

## CheckList Information

| | | | |
|---|---|---|---|
| **Name :** | STEP 6: FINAL DOCUMENTATION | **Status :** | Not Completed |
| **Assigned Organization :** | National TAB | **Asset :** | |
| **Requesting Organization :** | National TAB | | |
| **Created Date :** | 04/08/2026 - Natasha Louw - National TAB | | |

## CheckList Item Details

**FINAL DOCUMENTATION**

**Marked Data capture complete for all assets?**

**Comment:**

**Picture file sent to processing team or uploaded?**

**Comment:**

**Balance schedule complete and uploaded?**

**Comment:**

**Prelim report generated and reviewed?**

**Comment:**

# National TAB

**Project: 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)**

## System/Unit: AHU/RTU

**Asset: DOAS1** AREA:DINING

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | CAPTIVE-AIRE | CAPTIVE-AIRE |
| **Serial Num** | - | |
| **Model Num** | CASRTU3-I.300-18-20T-DOAS | CASRTU3-I.300-18-20T-DOAS |
| **Type** | DOAS | |
| **Configuration** | VERTICAL | |
| **Num OA Filters 1** | - | |
| **OA Filter Size 1** | - | |
| **Num Final Filter 1** | - | |
| **Final Filter Size 1** | - | |
| **Num Final Filter 2** | - | |
| **Final Filter Size 2** | - | |

| Motor Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **Motor MFG** | - | |
| **Frame** | - | |
| **Horsepower** | 5.0 | |
| **Motor Rpm** | - | |
| **Phase** | 3 | |
| **Rated Voltage** | 208 | |
| **Rated Amperage** | - | |

| Drive Data | |
|---|---|
| | **Actual** |
| **Motor Sheave Size** | |
| **Motor Bore Size** | |
| **Motor Sheave SetPt** | |
| **Fan Sheave Size** | |
| **Fan Sheave Bore** | |
| **Belt CL Distance** | |
| **Num of Belts** | |
| **Belt Size** | |
| **Belt Alignment** | |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **SF CFM** | 3600 | |
| **SF RPM** | - | |
| **RA CFM** | 0 | |
| **OA CFM** | 3600 | |
| **RL Voltage** | - | |
| **RL Amperage** | - | |
| **SF Rotation** | - | |
| **SF System SetPt** | - | |
| **RA Damper Position** | - | |
| **Min OA Damper Position** | - | |
| **Min OA Damper Type** | - | |
| **OA Enthalpy Setpt** | - | |

| Performance Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MA Plenum SP** | - | |
| **Fan Suction SP** | - | |
| **Fan Discharge SP** | - | |
| **Total ESP** | 0.75" | |
| **Fan Total SP** | - | |

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

# National TAB

**Project: 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)**

## System/Unit: AHU/RTU

**Asset: DOAS2** AREA:KITCHEN

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | CAPTIVE-AIRE | CAPTIVE-AIRE |
| **Serial Num** | - | |
| **Model Num** | CASRTU4-I.300-20-25T-DOAS | CASRTU4-I.300-20-25T-DOAS |
| **Type** | DOAS | |
| **Configuration** | VERTICAL | |
| **Num OA Filters 1** | - | |
| **OA Filter Size 1** | - | |
| **Num Final Filter 1** | - | |
| **Final Filter Size 1** | - | |
| **Num Final Filter 2** | - | |
| **Final Filter Size 2** | - | |

| Motor Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **Motor MFG** | - | |
| **Frame** | - | |
| **Horsepower** | 5.0 | |
| **Motor Rpm** | - | |
| **Phase** | 3 | |
| **Rated Voltage** | 208 | |
| **Rated Amperage** | - | |

| Drive Data | |
|---|---|
| | **Actual** |
| **Motor Sheave Size** | |
| **Motor Bore Size** | |
| **Motor Sheave SetPt** | |
| **Fan Sheave Size** | |
| **Fan Sheave Bore** | |
| **Belt CL Distance** | |
| **Num of Belts** | |
| **Belt Size** | |
| **Belt Alignment** | |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **SF CFM** | 5000 | |
| **SF RPM** | - | |
| **RA CFM** | 600 | |
| **OA CFM** | 4400 | |
| **RL Voltage** | - | |
| **RL Amperage** | - | |
| **SF Rotation** | - | |
| **SF System SetPt** | - | |
| **RA Damper Position** | - | |
| **Min OA Damper Position** | - | |
| **Min OA Damper Type** | - | |
| **OA Enthalpy Setpt** | - | |

| Performance Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MA Plenum SP** | - | |
| **Fan Suction SP** | - | |
| **Fan Discharge SP** | - | |
| **Total ESP** | 0.75" | |
| **Fan Total SP** | - | |

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

# National TAB

**Project: 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)**

## System/Unit: AHU/RTU

**Asset: RTU1** AREA:DINING

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | TRANE | TRANE |
| **Serial Num** | - | |
| **Model Num** | YSC092F3 | YSC092F3 |
| **Type** | RTU | |
| **Configuration** | VERTICAL | |
| **Num OA Filters 1** | - | |
| **OA Filter Size 1** | - | |
| **Num Final Filter 1** | - | |
| **Final Filter Size 1** | - | |
| **Num Final Filter 2** | - | |
| **Final Filter Size 2** | - | |

| Motor Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **Motor MFG** | - | |
| **Frame** | - | |
| **Horsepower** | 3.75 | |
| **Motor Rpm** | - | |
| **Phase** | - | |
| **Rated Voltage** | - | |
| **Rated Amperage** | - | |

| Drive Data | |
|---|---|
| | **Actual** |
| **Motor Sheave Size** | |
| **Motor Bore Size** | |
| **Motor Sheave SetPt** | |
| **Fan Sheave Size** | |
| **Fan Sheave Bore** | |
| **Belt CL Distance** | |
| **Num of Belts** | |
| **Belt Size** | |
| **Belt Alignment** | |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **SF CFM** | 3000 | |
| **SF RPM** | - | |
| **RA CFM** | - | |
| **OA CFM** | - | |
| **RL Voltage** | - | |
| **RL Amperage** | - | |
| **SF Rotation** | - | |
| **SF System SetPt** | - | |
| **RA Damper Position** | - | |
| **Min OA Damper Position** | - | |
| **Min OA Damper Type** | - | |
| **OA Enthalpy Setpt** | - | |

| Performance Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MA Plenum SP** | - | |
| **Fan Suction SP** | - | |
| **Fan Discharge SP** | - | |
| **Total ESP** | 1.0" | |
| **Fan Total SP** | - | |

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

# National TAB

**Project: 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)**

## System/Unit: AHU/RTU

**Asset: RTU2** AREA:DINING

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | TRANE | TRANE |
| **Serial Num** | - | |
| **Model Num** | YSC092F3 | YSC092F3 |
| **Type** | RTU | |
| **Configuration** | VERTICAL | |
| **Num OA Filters 1** | - | |
| **OA Filter Size 1** | - | |
| **Num Final Filter 1** | - | |
| **Final Filter Size 1** | - | |
| **Num Final Filter 2** | - | |
| **Final Filter Size 2** | - | |

| Motor Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **Motor MFG** | - | |
| **Frame** | - | |
| **Horsepower** | 3.75 | |
| **Motor Rpm** | - | |
| **Phase** | - | |
| **Rated Voltage** | - | |
| **Rated Amperage** | - | |

| Drive Data | |
|---|---|
| | **Actual** |
| **Motor Sheave Size** | |
| **Motor Bore Size** | |
| **Motor Sheave SetPt** | |
| **Fan Sheave Size** | |
| **Fan Sheave Bore** | |
| **Belt CL Distance** | |
| **Num of Belts** | |
| **Belt Size** | |
| **Belt Alignment** | |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **SF CFM** | 3000 | |
| **SF RPM** | - | |
| **RA CFM** | - | |
| **OA CFM** | - | |
| **RL Voltage** | - | |
| **RL Amperage** | - | |
| **SF Rotation** | - | |
| **SF System SetPt** | - | |
| **RA Damper Position** | - | |
| **Min OA Damper Position** | - | |
| **Min OA Damper Type** | - | |
| **OA Enthalpy Setpt** | - | |

| Performance Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MA Plenum SP** | - | |
| **Fan Suction SP** | - | |
| **Fan Discharge SP** | - | |
| **Total ESP** | 1.0" | |
| **Fan Total SP** | - | |

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

# National TAB

**Project: 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)**

## System/Unit: FAN - Exhaust

**Asset: EF1** AREA:RESTROOM

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | GREENHECK | GREENHECK |
| **Model Num** | G-085 | G-085 |
| **Serial Num** | - | |
| **Type** | DOWNBLAST | |
| **Configuration** | VERTICAL | |

| Motor Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **Motor MFG** | - | |
| **Frame** | - | |
| **Horsepower** | 0.05 | |
| **Motor Rpm** | - | |
| **Phase** | - | |
| **Voltage (rated)** | - | |
| **Amperage (rated)** | - | |
| **Service Factor** | - | |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **CFM** | 450 | |
| **Fan RPM** | 1550 | |
| **Fan Rotation** | - | |
| **Motor RPM** | - | |
| **System SetPt** | - | |
| **RL Voltage** | - | |
| **RL Amperage** | - | |
| **Total ESP** | 0.25" | |
| **Fan Inlet SP** | - | |
| **Fan Discharge SP** | - | |

# National TAB

**Project: 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)**

## System/Unit: FAN - Exhaust

**Asset: KEF1** AREA:KITCHEN HD 1

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

| Motor Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **Motor MFG** | - | |
| **Frame** | - | |
| **Horsepower** | 1.0 | |
| **Motor Rpm** | - | |
| **Phase** | 3 | |
| **Voltage (rated)** | 208 | |
| **Amperage (rated)** | - | |
| **Service Factor** | - | |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **CFM** | 1750 | |
| **Fan RPM** | 1101 | |
| **Fan Rotation** | - | |
| **Motor RPM** | - | |
| **System SetPt** | - | |
| **RL Voltage** | - | |
| **RL Amperage** | - | |
| **Total ESP** | 1.40" | |
| **Fan Inlet SP** | - | |
| **Fan Discharge SP** | - | |

# National TAB

**Project: 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)**

## System/Unit: FAN - Exhaust

**Asset: KEF2** AREA:KITCHEN HD 2

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

| Motor Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **Motor MFG** | - | |
| **Frame** | - | |
| **Horsepower** | 2.0 | |
| **Motor Rpm** | - | |
| **Phase** | 3 | |
| **Voltage (rated)** | 208 | |
| **Amperage (rated)** | - | |
| **Service Factor** | - | |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **CFM** | 2560 | |
| **Fan RPM** | 1288 | |
| **Fan Rotation** | - | |
| **Motor RPM** | - | |
| **System SetPt** | - | |
| **RL Voltage** | - | |
| **RL Amperage** | - | |
| **Total ESP** | 1.70" | |
| **Fan Inlet SP** | - | |
| **Fan Discharge SP** | - | |

# National TAB

**Project: 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)**

## System/Unit: FAN - Exhaust

**Asset: KEF4** AREA:KITCHEN HD 3

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | CAPTIVE-AIRE | CAPTIVE-AIRE |
| **Model Num** | CASRE20DD | CASRE20DD |
| **Serial Num** | - | |
| **Type** | UTILITY | |
| **Configuration** | VERTICAL | |

| Motor Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **Motor MFG** | - | |
| **Frame** | - | |
| **Horsepower** | 5.0 | |
| **Motor Rpm** | - | |
| **Phase** | 3 | |
| **Voltage (rated)** | 208 | |
| **Amperage (rated)** | - | |
| **Service Factor** | - | |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **CFM** | 3267 | |
| **Fan RPM** | 1450 | |
| **Fan Rotation** | - | |
| **Motor RPM** | - | |
| **System SetPt** | - | |
| **RL Voltage** | - | |
| **RL Amperage** | - | |
| **Total ESP** | 1.85" | |
| **Fan Inlet SP** | - | |
| **Fan Discharge SP** | - | |

# National TAB

**Project: 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)**

## System/Unit: FAN - Exhaust

**Asset: KEF5** AREA:KITCHEN HD 4

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

| Motor Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **Motor MFG** | - | |
| **Frame** | - | |
| **Horsepower** | 1.50 | |
| **Motor Rpm** | - | |
| **Phase** | 3 | |
| **Voltage (rated)** | 208 | |
| **Amperage (rated)** | - | |
| **Service Factor** | - | |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **CFM** | 2250 | |
| **Fan RPM** | 1188 | |
| **Fan Rotation** | - | |
| **Motor RPM** | - | |
| **System SetPt** | - | |
| **RL Voltage** | - | |
| **RL Amperage** | - | |
| **Total ESP** | 1.50" | |
| **Fan Inlet SP** | - | |
| **Fan Discharge SP** | - | |

# National TAB

**Project: 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)**

## System/Unit: FAN - Exhaust

**Asset: KEF7** AREA:DISHWASHER

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | CAPTIVE-AIRE | CAPTIVE-AIRE |
| **Model Num** | DU33HFA | DU33HFA |
| **Serial Num** | - | |
| **Type** | UPBLAST | |
| **Configuration** | VERTICAL | |

| Motor Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **Motor MFG** | - | |
| **Frame** | - | |
| **Horsepower** | 0.33 | |
| **Motor Rpm** | - | |
| **Phase** | 1 | |
| **Voltage (rated)** | 115 | |
| **Amperage (rated)** | - | |
| **Service Factor** | - | |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **CFM** | 800 | |
| **Fan RPM** | 1379 | |
| **Fan Rotation** | - | |
| **Motor RPM** | - | |
| **System SetPt** | - | |
| **RL Voltage** | - | |
| **RL Amperage** | - | |
| **Total ESP** | 0.50" | |
| **Fan Inlet SP** | - | |
| **Fan Discharge SP** | - | |

# National TAB

**Project: 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)**

## System/Unit: FAN - Supply

**Asset: MAU3** AREA:KITCHEN HD 1&2

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | CAPTIVE-AIRE | CAPTIVE-AIRE |
| **Model Num** | A2-D.500-20D-MPU | A2-D.500-20D-MPU |
| **Serial Num** | - | |
| **Type** | MAU | |
| **Configuration** | VERTICAL | |

| Motor Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **Motor MFG** | - | |
| **Frame** | - | |
| **Horsepower** | 2.0 | |
| **Motor Rpm** | - | |
| **Phase** | 3 | |
| **Voltage (rated)** | 208 | |
| **Amperage (rated)** | - | |
| **Service Factor** | - | |

| Gas Heat | | |
|---|---|---|
| | **Design** | **Actual** |
| **Heater Operates (y/n)** | - | |
| **Flame Status (pass/fail)** | - | |
| **Inlet Air Temp SetPt** | 55 | |
| **Discharge Air Temp SetPt** | 60 | |
| **Air Flow Switch SP Actual** | - | |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **CFM** | 2802 | |
| **SF RPM** | 1320 | |
| **Motor RPM** | - | |
| **SF System SetPt** | - | |
| **RL Voltage** | - | |
| **RL Amperage** | - | |
| **Total ESP** | - | |
| **Fan Discharge SP** | - | |

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

# National TAB

**Project: 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)**

## System/Unit: FAN - Supply

**Asset: MAU6** AREA:KITCHEN HD 4

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | CAPTIVE-AIRE | CAPTIVE-AIRE |
| **Model Num** | A1-D.250-G10-MPU | A1-D.250-G10-MPU |
| **Serial Num** | - | |
| **Type** | MAU | |
| **Configuration** | VERTICAL | |

| Motor Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **Motor MFG** | - | |
| **Frame** | - | |
| **Horsepower** | 1.5 | |
| **Motor Rpm** | - | |
| **Phase** | 3 | |
| **Voltage (rated)** | 208 | |
| **Amperage (rated)** | - | |
| **Service Factor** | - | |

| Gas Heat | | |
|---|---|---|
| | **Design** | **Actual** |
| **Heater Operates (y/n)** | - | |
| **Flame Status (pass/fail)** | - | |
| **Inlet Air Temp SetPt** | 55 | |
| **Discharge Air Temp SetPt** | 60 | |
| **Air Flow Switch SP Actual** | - | |

| Test Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **CFM** | 1935 | |
| **SF RPM** | 1216 | |
| **Motor RPM** | - | |
| **SF System SetPt** | - | |
| **RL Voltage** | - | |
| **RL Amperage** | - | |
| **Total ESP** | - | |
| **Fan Discharge SP** | - | |

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

# National TAB

**Project: 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)**

## System/Unit: Kitchen Hood Type I

**Asset: HD1** AREA:KITCHEN

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | CAPTIVE-AIRE | CAPTIVE-AIRE |
| **Model Num** | 5430 ND-2-ACPSP-F | 5430 ND-2-ACPSP-F |
| **Job / Serial Num** | - | |
| **Type** | TYPE 1 CANOPY | |
| **Hood length** | 100" | |
| **Hood Width** | 54" | |
| **Supply Plenum Type** | - | |
| **Supply Plenum Width** | 12" | |
| **Supply Plenum Length** | 100" | |

| Test Data Exhaust | | |
|---|---|---|
| | **Design** | **Actual** |
| **Filter Type** | CAPTRATE SOLO FILTER | |
| **Filter Size 1** | 16X20 | |
| **Filter Qty 1** | 6 | |
| **Filter AK factor size 1** | 2.08 | |
| **Filter Total AK Area** | 12.48 | |
| **Filter1 FPM** | - | |
| **Filter2 FPM** | - | |
| **Filter3 FPM** | - | |
| **Filter4 FPM** | - | |
| **Filter5 FPM** | - | |
| **Filter6 FPM** | - | |
| **Filter7 FPM** | - | |
| **Filter8 FPM** | - | |
| **Filter9 FPM** | - | |
| **Filter10 FPM** | - | |
| **Filter11 FPM** | - | |
| **Filter12 FPM** | - | |
| **Filter Ave FPM(corr)** | - | |
| **CFM** | 1750 | |

| Cooking Equipment | |
|---|---|
| | **Actual** |
| **Item 1** | |
| **Item 2** | |
| **Item 3** | |
| **Item 4** | |
| **Item 5** | |

| Test Data Supply | | |
|---|---|---|
| | **Design** | **Actual** |
| **Total Area** | 8.33 | |
| **Kv factor (Vel)** | 0.87 | |
| **Num of Readings** | - | |
| **Reading1 FPM** | - | |
| **Reading2 FPM** | - | |
| **Reading3 FPM** | - | |
| **Reading4 FPM** | - | |
| **Reading5 FPM** | - | |
| **Reading6 FPM** | - | |
| **Reading7 FPM** | - | |
| **Reading8 FPM** | - | |
| **Reading9 FPM** | - | |
| **Reading10 FPM** | - | |
| **Reading11 FPM** | - | |
| **Reading12 FPM** | - | |
| **Reading13 FPM** | - | |
| **Reading14 FPM** | - | |
| **Ave FPM(corr)** | - | |
| **CFM** | 1138 | |

# National TAB

**Project: 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)**

## System/Unit: Kitchen Hood Type I

**Asset: HD2** AREA:KITCHEN

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | CAPTIVE-AIRE | CAPTIVE-AIRE |
| **Model Num** | 5430 ND-2-ACPSP-F | 5430 ND-2-ACPSP-F |
| **Job / Serial Num** | - | |
| **Type** | TYPE 1 CANOPY | |
| **Hood length** | 128" | |
| **Hood Width** | 54" | |
| **Supply Plenum Type** | - | |
| **Supply Plenum Width** | 12" | |
| **Supply Plenum Length** | 148" | |

| Test Data Exhaust | | |
|---|---|---|
| | **Design** | **Actual** |
| **Filter Type** | CAPTRATE SOLO FILTER | |
| **Filter Size 1** | 16X20 | |
| **Filter Qty 1** | 8 | |
| **Filter AK factor size 1** | 2.08 | |
| **Filter Total AK Area** | 16.64 | |
| **Filter1 FPM** | - | |
| **Filter2 FPM** | - | |
| **Filter3 FPM** | - | |
| **Filter4 FPM** | - | |
| **Filter5 FPM** | - | |
| **Filter6 FPM** | - | |
| **Filter7 FPM** | - | |
| **Filter8 FPM** | - | |
| **Filter9 FPM** | - | |
| **Filter10 FPM** | - | |
| **Filter11 FPM** | - | |
| **Filter12 FPM** | - | |
| **Filter Ave FPM(corr)** | - | |
| **CFM** | 2560 | |

| Cooking Equipment | |
|---|---|
| | **Actual** |
| **Item 1** | |
| **Item 2** | |
| **Item 3** | |
| **Item 4** | |
| **Item 5** | |

| Test Data Supply | | |
|---|---|---|
| | **Design** | **Actual** |
| **Total Area** | 12.33 | |
| **Kv factor (Vel)** | 0.87 | |
| **Num of Readings** | - | |
| **Reading1 FPM** | - | |
| **Reading2 FPM** | - | |
| **Reading3 FPM** | - | |
| **Reading4 FPM** | - | |
| **Reading5 FPM** | - | |
| **Reading6 FPM** | - | |
| **Reading7 FPM** | - | |
| **Reading8 FPM** | - | |
| **Reading9 FPM** | - | |
| **Reading10 FPM** | - | |
| **Reading11 FPM** | - | |
| **Reading12 FPM** | - | |
| **Reading13 FPM** | - | |
| **Reading14 FPM** | - | |
| **Ave FPM(corr)** | - | |
| **CFM** | 1664 | |

# National TAB

**Project: 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)**

## System/Unit: Kitchen Hood Type I

**Asset: HD3** AREA:KITCHEN

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | CAPTIVE-AIRE | CAPTIVE-AIRE |
| **Model Num** | 6030 ND-2 | 6030 ND-2 |
| **Job / Serial Num** | - | |
| **Type** | TYPE 1 CANOPY | |
| **Hood length** | 96" | |
| **Hood Width** | 60" | |

| Test Data Exhaust | | |
|---|---|---|
| | **Design** | **Actual** |
| **Filter Type** | CAPTRATE SOLO FILTER | |
| **Filter Size 1** | 16X20 | |
| **Filter Qty 1** | 6 | |
| **Filter AK factor size 1** | 2.08 | |
| **Filter Total AK Area** | 12.48 | |
| **Filter1 FPM** | - | |
| **Filter2 FPM** | - | |
| **Filter3 FPM** | - | |
| **Filter4 FPM** | - | |
| **Filter5 FPM** | - | |
| **Filter6 FPM** | - | |
| **Filter7 FPM** | - | |
| **Filter8 FPM** | - | |
| **Filter9 FPM** | - | |
| **Filter10 FPM** | - | |
| **Filter11 FPM** | - | |
| **Filter12 FPM** | - | |
| **Filter Ave FPM(corr)** | - | |
| **CFM** | 3267 | |

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

# National TAB

**Project: 04-13-26 FIREBIRDS HUNTERSVILLE, NC (REVIVE)**

## System/Unit: Kitchen Hood Type I

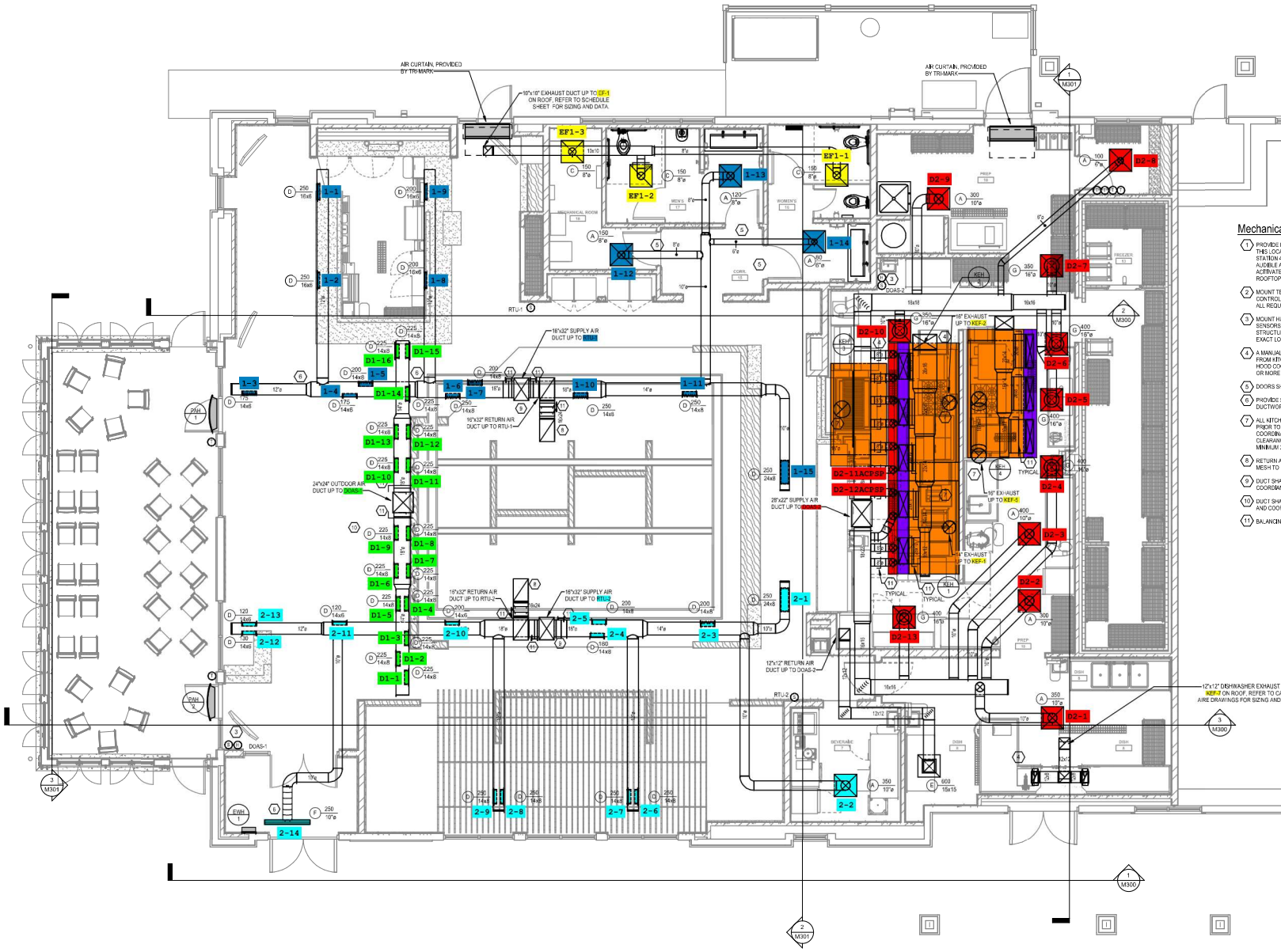
**Asset: HD4** AREA:KITCHEN

| Unit Data | | |
|---|---|---|
| | **Design** | **Actual** |
| **MFG** | CAPTIVE-AIRE | CAPTIVE-AIRE |
| **Model Num** | 6030 ND-2-PSP-F | 6030 ND-2-PSP-F |
| **Job / Serial Num** | - | |
| **Type** | TYPE 1 CANOPY | |
| **Hood length** | 126" | |
| **Hood Width** | 60" | |
| **Supply Plenum Type** | - | |
| **Supply Plenum Width** | 14" | |
| **Supply Plenum Length** | 138" | |

| Test Data Exhaust | | |
|---|---|---|
| | **Design** | **Actual** |
| **Filter Type** | CAPTRATE SOLO FILTER | |
| **Filter Size 1** | 16X20 | |
| **Filter Qty 1** | 7 | |
| **Filter AK factor size 1** | 2.08 | |
| **Filter Total AK Area** | 14.56 | |
| **Filter1 FPM** | - | |
| **Filter2 FPM** | - | |
| **Filter3 FPM** | - | |
| **Filter4 FPM** | - | |
| **Filter5 FPM** | - | |
| **Filter6 FPM** | - | |
| **Filter7 FPM** | - | |
| **Filter8 FPM** | - | |
| **Filter9 FPM** | - | |
| **Filter10 FPM** | - | |
| **Filter11 FPM** | - | |
| **Filter12 FPM** | - | |
| **Filter Ave FPM(corr)** | - | |
| **CFM** | 2250 | |

| Cooking Equipment | |
|---|---|
| | **Actual** |
| **Item 1** | |
| **Item 2** | |
| **Item 3** | |
| **Item 4** | |
| **Item 5** | |

| Test Data Supply | | |
|---|---|---|
| | **Design** | **Actual** |
| **Total Area** | 13.42 | |
| **Kv factor (Vel)** | 0.89 | |
| **Num of Readings** | - | |
| **Reading1 FPM** | - | |
| **Reading2 FPM** | - | |
| **Reading3 FPM** | - | |
| **Reading4 FPM** | - | |
| **Reading5 FPM** | - | |
| **Reading6 FPM** | - | |
| **Reading7 FPM** | - | |
| **Reading8 FPM** | - | |
| **Reading9 FPM** | - | |
| **Reading10 FPM** | - | |
| **Reading11 FPM** | - | |
| **Reading12 FPM** | - | |
| **Reading13 FPM** | - | |
| **Reading14 FPM** | - | |
| **Ave FPM(corr)** | - | |
| **CFM** | 1935 | |


AIR CURTAIN, PROVIDED BY TRI-MARK
AIR CURTAIN, PROVIDED BY TRI-MARK
18"x18" EXHAUST DUCT UP TO EF-1 ON ROOF, REFER TO SCHEDULE SHEET FOR SIZING AND DATA
EF1-3
EF1-2
EF1-1
1-1
1-2
1-3
1-4
1-5
1-6
1-7
1-8
1-9
1-10
1-11
1-12
1-13
1-14
1-15
D1-1
D1-2
D1-3
D1-4
D1-5
D1-6
D1-7
D1-8
D1-9
D1-10
D1-11
D1-12
D1-13
D1-14
D1-15
D1-16
D2-1
D2-2
D2-3
D2-4
D2-5
D2-6
D2-7
D2-8
D2-9
D2-10
D2-11ACPSP
D2-12ACPSP
D2-13
2-1
2-2
2-3
2-4
2-5
2-6
2-7
2-8
2-9
2-10
2-11
2-12
2-13
2-14
RTU-1
RTU-2
DOAS-1
DOAS-2
EWH-1
KEH-1
KEF-1
KEF-2
KEF-3
KEF-4
KEF-5
16"x32" SUPPLY AIR DUCT UP TO RTU-1
16"x32" RETURN AIR DUCT UP TO RTU-1
24"x24" OUTDOOR AIR DUCT UP TO DOAS-1
16"x32" RETURN AIR DUCT UP TO RTU-2
16"x32" SUPPLY AIR DUCT UP TO RTU-2
28"x22" SUPPLY AIR DUCT UP TO DOAS-2
12"x12" RETURN AIR DUCT UP TO DOAS-2
16" EXHAUST UP TO KEF-2
16" EXHAUST UP TO KEF-5
16" EXHAUST UP TO KEF-4
TYPICAL
12"x12" DISHWASHER EXHAUST KEF-3 ON ROOF, REFER TO CA AIRE DRAWINGS FOR SIZING AND
Mechanica
1 PROVIDE
THIS LOCA
STATION A
AUDIBLE A
ACTIVATE
ROOFTOP
2 MOUNT TE
CONTROL
ALL REQU
3 MOUNT HI
SENSORS
STRUCTU
EXACT LO
4 A MANUAL
FROM KIT
HOOD CO
OR MORE
5 DOORS SI
6 PROVIDE
DUCTWOR
7 ALL KITCH
PRIOR TO
COORDIN
CLEARAN
MINIMUM
8 RETURN A
MESH TO
9 DUCT SHA
COORDIN
10 DUCT SHA
AND COO
11 BALANCIN