

Report By:

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



Report: TAB REPORT 030624  
Function: Test, Adjust, & Balance  
Date: 03/06/2024

**PROJECT**  
**Braxton Brewing (CVG)**

3087 Terminal Dr

Hebron, KY 41048

Client

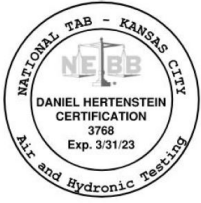
Fedders Construction

# National TAB

Project: Braxton Brewing (CVG)

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Project: Braxton Brewing (CVG)  
System/Unit: AHU/RTU



Asset: RTU1

AREA:

| Unit Data        |                      |                      |
|------------------|----------------------|----------------------|
|                  | Design               | Actual               |
| MFG              | CAPTIVE AIRE         | CAPTIVE AIRE         |
| Serial Num       | -                    | 5842662              |
| Model Num        | CASRTU2-I.300-18-10T | CASRTU2-I.300-18-10T |
| Configuration    | -                    | VERTICAL             |
| Num OA Filters 1 | -                    | 8                    |
| OA Filter Size 1 | -                    | 16X20X2              |
| Num PreFilter 1  | -                    | 8                    |
| PreFilter Size 1 | -                    | 16X20X2              |

| Test Data          |        |        |
|--------------------|--------|--------|
|                    | Design | Actual |
| SF CFM             | 2025   | 1824   |
| RA CFM             | -      | 1422   |
| OA CFM             | -      | 474    |
| RL Voltage         | -      | 477 V  |
| RL Amperage        | -      | 4.2    |
| OA Damper Position | -      | 7.7 V  |

| Motor Data     |        |        |
|----------------|--------|--------|
|                | Design | Actual |
| Motor MFG      | -      | ODP    |
| Horsepower     | 3.0    | 3.0    |
| Motor Rpm      | -      | 1755   |
| Phase          | 3      | 3      |
| Rated Voltage  | 460    | 460    |
| Rated Amperage | 4.3    | 4.3    |
| Service Factor | -      | 1.15   |

Completed By: Austin McFall on 03/06/2024



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Project: Braxton Brewing (CVG)

## AHU/RTU



### Diffuser Supply (GRD)

#### RTU1/

| Asset      |          |       |      |            |    |        |        |           |             |
|------------|----------|-------|------|------------|----|--------|--------|-----------|-------------|
| Asset Name | Location | Type  | Size | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| RTU1-SGRD1 | KITCHEN  | 24X24 | 14   | 675        | 1  | 602    |        | 602       | 89.2        |
| RTU1-SGRD2 | KITCHEN  | 24X24 | 14   | 675        | 1  | 589    |        | 589       | 87.3        |
| RTU1-SGRD3 | KITCHEN  | 24X24 | 14   | 675        | 1  | 633    |        | 633       | 93.8        |
| Total      |          |       |      | 2025       |    | 1824   | 0      | 1824      | 90.07%      |

## CheckList List

- 1-INITIAL SITE WALKTHROUGH
- 2-UNIT DATA AND EVALUATION
- 3-TEST, ADJUST, AND BALANCE
- 4-FINAL TESTS
- 6-Pictures



## Braxton Brewing (CVG)

### CheckList Information

**Name :** 1-INITIAL SITE WALKTHROUGH **Status :** Completed  
**Assigned Organization :** MULTIPLE **Asset :**  
**Requesting Organization :** National TAB  
**Created Date :** 03/06/2024 - Austin McFall - National TAB  
**Completed Date :** 03/06/2024 - Austin McFall - National TAB

### CheckList Item Details

#### INITIAL SITE WALKTHROUGH

All diffusers and grilles are installed and match design? No

**Comment:**

RTU UNIT WAS DESIGNED FOR 2025 CFM. PROPORTIONALLY SET DESIGN AIRFLOWS BASED OFF NEW TOTAL SUPPLY

All hood filters installed and accounted for? Yes

**Comment:**

Hoods are wired and have power? Yes

**Comment:**

Hood is free of alarms? Yes

**Comment:**

Thermostats have power? Yes

**Comment:**

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

Comment:



## Braxton Brewing (CVG)

### CheckList Information

**Name :** 2-UNIT DATA AND EVALUATION **Status :** Completed  
**Assigned Organization :** MULTIPLE **Asset :**  
**Requesting Organization :** National TAB  
**Created Date :** 03/06/2024 - Austin McFall - National TAB  
**Completed Date :** 03/06/2024 - Austin McFall - 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? 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") N/A

##### Comment:

Motors are all operating below the FLA rating? Yes

##### Comment:

Are belts tight?

##### Comment:

DIRECT DRIVE

If direct drive unit is the speed controller working.

**Comment:**

Is gas piping installed and valves turned on?

Yes

**Comment:**

Unit free of noticeable noise and vibration

Yes

**Comment:**

**EF's**

Rotation is correct?

Yes

**Comment:**

Belts are tight?

**Comment:**

Grease cup installed on hood fan?

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?

N/A

**Comment:**

Unit free of noticeable noise and vibration?

N/A

**Comment:**

**MUA**

Rotation is correct?

Yes

**Comment:**

Gas piping is installed and valves are in on position?

Yes

**Comment:**

Heater tested and is functional?

**Comment:**

UNTEMPERED

Internal motorized damper is fully opening?

**Comment:**

Motor is operating below the FLA rating?

Yes

**Comment:**

Unit free of noticeable noise and vibration?

Yes

**Comment:**

**HOODS**

Kitchen equipment installed in proper places?

Yes

**Comment:**

Can kitchen equipment be turned on for final smoke test?

Yes

**Comment:**

**DOCUMENTATION**

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

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**Comment:**

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## Braxton Brewing (CVG)

### CheckList Information

**Name :** 3-TEST, ADJUST, AND BALANCE **Status :** Completed  
**Assigned Organization :** MULTIPLE **Asset :**  
**Requesting Organization :** National TAB  
**Created Date :** 03/06/2024 - Austin McFall - National TAB  
**Completed Date :** 03/06/2024 - Austin McFall - National TAB

### CheckList Item Details

TEST, ADJUST, AND BALANCE ALL EQUIPMENT:

DURING TESTING MAKE NOTE OF THE FOLLOWING:

Is space free of drafting? Yes

**Comment:**

Is space comfortable in all areas? Yes

**Comment:**

Is the space free of ventilation noise? Yes

**Comment:**

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

**Comment:**

NA



## Braxton Brewing (CVG)

### CheckList Information

**Name :** 4-FINAL TESTS **Status :** Completed  
**Assigned Organization :** MULTIPLE **Asset :**  
**Requesting Organization :** National TAB  
**Created Date :** 03/06/2024 - Austin McFall - National TAB  
**Completed Date :** 03/06/2024 - Austin McFall - National TAB

### CheckList Item Details

#### FINAL TESTS

#### HOOD CAPTURE TEST

List equipment turned on for testing

**Comment:**

NONE

List smoke candle type used

**Comment:**

45 SEC SMOKE EMITTER

Smoke test capture - Perimeter of hood

**Comment:**

100%

Smoke test capture - Top of cooking surface

**Comment:**

100%

## Braxton Brewing (CVG)

### CheckList Information

|                                  |   |                 |           |
|----------------------------------|---|-----------------|-----------|
| <b>Name :</b>                    | 6-Pictures                                | <b>Status :</b> | Completed |
| <b>Assigned Organization :</b>   | MULTIPLE                                  | <b>Asset :</b>  |           |
| <b>Requesting Organization :</b> | National TAB                              |                 |           |
| <b>Created Date :</b>            | 03/06/2024 - Austin McFall - National TAB |                 |           |
| <b>Completed Date :</b>          | 03/06/2024 - Austin McFall - National TAB |                 |           |

### CheckList Item Details

|       |     |
|-------|-----|
| MAU-1 | Yes |
|-------|-----|

**Comment:**



**IMG\_1067**  
03/06/2024

|      |     |
|------|-----|
| EF-1 | Yes |
|------|-----|

**Comment:**

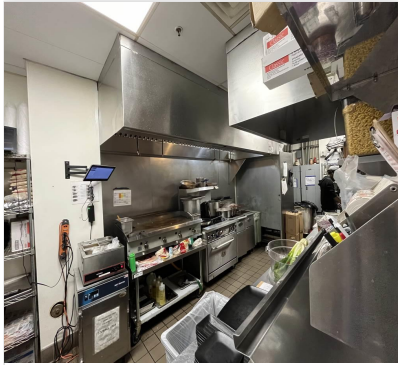


**IMG\_1075**  
**03/06/2024**

HOOD-1

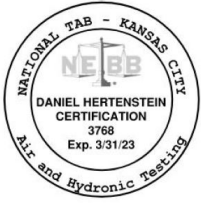
Yes

**Comment:**



**IMG\_2600**  
**03/06/2024**





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Project: Braxton Brewing (CVG)

## System/Unit: FAN - Exhaust



Asset: EF1

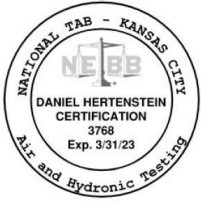
AREA:

| Unit Data            |              |              |
|----------------------|--------------|--------------|
|                      | Design       | Actual       |
| <b>MFG</b>           | CAPTIVE AIRE | CAPTIVE AIRE |
| <b>Model Num</b>     | DU200HFA     | DU200HFA     |
| <b>Serial Num</b>    | -            | 5842662      |
| <b>Type</b>          | -            | UPBLAST      |
| <b>Configuration</b> | -            | VERTICAL     |

| Motor Data              |        |        |
|-------------------------|--------|--------|
|                         | Design | Actual |
| <b>Motor MFG</b>        | -      | ODP    |
| <b>Horsepower</b>       | 2.0    | 2.0    |
| <b>Motor Rpm</b>        | 1150   | 1150   |
| <b>Phase</b>            | 3      | 3      |
| <b>Voltage (rated)</b>  | 460    | 460    |
| <b>Amperage (rated)</b> | -      | 3.8    |
| <b>Service Factor</b>   | -      | 1.15   |

| Test Data               |        |             |
|-------------------------|--------|-------------|
|                         | Design | Actual      |
| <b>CFM</b>              | 3800   | 3688        |
| <b>Fan RPM</b>          | 1129   | 1095        |
| <b>Fan Rotation</b>     | -      | CCW         |
| <b>Motor RPM</b>        | -      | 1150        |
| <b>System SetPt</b>     | -      | 58          |
| <b>RL Voltage</b>       | -      | 486/489/488 |
| <b>RL Amperage</b>      | -      | 3.8/3.2/3.0 |
| <b>Total ESP</b>        | -      | 1.10"       |
| <b>Fan Inlet SP</b>     | -      | -1.10"      |
| <b>Fan Discharge SP</b> | -      | ATM         |

Completed By: Austin McFall on 02/16/2024



# National TAB

Project: Braxton Brewing (CVG)  
System/Unit: FAN - Supply



Asset: SF1

AREA:

| Unit Data     |        |            |
|---------------|--------|------------|
|               | Design | Actual     |
| MFG           | NA     | COOK       |
| Model Num     | NA     | 100 KSP    |
| Serial Num    | -      | 007S762730 |
| Type          | -      | MUA        |
| Configuration | -      | VERTICAL   |

| Test Data   |        |              |
|-------------|--------|--------------|
|             | Design | Actual       |
| CFM         | 1980   | 1850         |
| SF RPM      | 869    | 813          |
| Motor RPM   | -      | 1760         |
| RL Voltage  | -      | 4846/484/485 |
| RL Amperage | -      | 1.0/1.0/1.2  |

| Motor Data       |        |        |
|------------------|--------|--------|
|                  | Design | Actual |
| Motor MFG        | -      | WEG    |
| Frame            | -      | 56     |
| Horsepower       | -      | 0.75   |
| Motor Rpm        | -      | 1760   |
| Phase            | -      | 3      |
| Voltage (rated)  | -      | 460    |
| Amperage (rated) | -      | 1.15   |
| Service Factor   | -      | 1.0    |

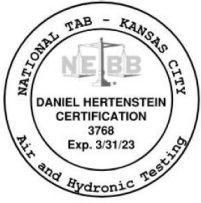
| General              |        |         |
|----------------------|--------|---------|
|                      | Design | Actual  |
| Fan Rotation Correct | -      | CORRECT |

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

Completed By: Austin McFall on 03/06/2024

Notes:  
UNTEMPERED MAKE UP AIR. NOT HEAT

Written By: Austin McFall on 02/16/2024



# National TAB

Project: Braxton Brewing (CVG)



## System/Unit: Kitchen Hood Type I

Asset: HD1

AREA:

| Unit Data        |                  |                  |
|------------------|------------------|------------------|
|                  | Design           | Actual           |
| MFG              | NA               | NA               |
| Model Num        | NA               | NA               |
| Job / Serial Num | -                | NOT LISTED       |
| Type             | TYPE I<br>CANOPY | TYPE I<br>CANOPY |
| Hood length      | 132"             | 132"             |
| Hood Width       | 54"              | 54"              |

| Test Data Exhaust        |        |        |
|--------------------------|--------|--------|
|                          | Design | Actual |
| Filter Type              | BAFFLE | BAFFLE |
| Filter Size 1            | 20X20  | 20X20  |
| Filter Size 2            | 20X16  | 20X16  |
| Filter Qty 1             | 5      | 5      |
| Filter Qty 2             | 2      | 2      |
| Filter AK factor size 1  | 2.68   | 2.68   |
| Filters AK factor size 2 | 2.08   | 2.08   |
| Filter Total AK Area     | -      | 17.56  |
| Filter1 FPM              | -      | 199    |
| Filter2 FPM              | -      | 215    |
| Filter3 FPM              | -      | 232    |
| Filter4 FPM              | -      | 223    |
| Filter5 FPM              | -      | 211    |
| Filter6 FPM              | -      | 200    |
| Filter7 FPM              | -      | 188    |
| Filter Ave FPM(corr)     | -      | 210    |
| CFM                      | 3800   | 3688   |

Completed By: Austin McFall on 03/01/2024