

**Report By:**

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

**NATIONAL**

**TAB**

Comfort. Under control.

**Report: PRELIM TAB  
Function: Test, Adjust, & Balance  
Date: 04/14/2023**

**PROJECT  
04-17-23 FREDDY'S - BARDSTOWN, KY**

1125 Morton Ave

BARDSTOWN, KY 40004

**Client**

X PROPERTIES, LLC

# National TAB

Project: 04-17-23 FREDDY'S - BARDSTOWN, KY

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### 04-17-23 FREDDY'S - BARDSTOWN, KY

#### CheckList Information

**Name :** TECH - SITE PICTURES **Status :** NotSubmitted  
**Assigned Organization :** National TAB **Asset :**  
**Requesting Organization :** National TAB

#### CheckList Item Details

STORE FRONT

RTU-1

DOAS-1

KEF-1

KEF-2

KEF-3

EF-1

EF-2

HOOD-1A

HOOD-1B

HOOD-2

HOOD-3

**Notes/Comments :**



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### 04-17-23 FREDDY'S - BARDSTOWN, KY

#### CheckList Information

**Name :** TECH - STEP 1: INITIAL WALKTHROUGH **Status :** NotSubmitted  
**Assigned Organization :** National TAB **Asset :**  
**Requesting Organization :** National TAB

#### CheckList Item Details

##### INITIAL SITE WALKTHROUGH

|  |     |
|--|-----|
| All diffusers and grilles are installed and match design?  | YES |
| All hood filters installed and accounted for?  | YES |
| Hoods are wired and have power?  | YES |
| Hood is free of alarms?  | YES |
| Thermostats have power?  | YES |
| Have trades/general contractor been notified about any issues and are they created on FaciliBuild? | YES |

**Notes/Comments :**



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### 04-17-23 FREDDY'S - BARDSTOWN, KY

#### CheckList Information

**Name :** TECH - STEP 2: UNIT DATA AND EVAL **Status :** NotSubmitted  
**Assigned Organization :** National TAB **Asset :**  
**Requesting Organization :** 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             |
| DCV Max damper opening position is set to minimum?                     | YES             |
| Free cooling enthalpy set point set for lowest setting (Typically "D") | SET TO 50DEG DB |
| Motors are all operating below the FLA rating?                         | YES             |
| Are belts tight?   | YES             |
| If direct drive unit is the speed controller working.                  | YES             |
| Is gas piping installed and valves turned on?                          | YES             |
| Unit free of noticeable noise and vibration                            | YES             |

##### EF's

|   |                                      |
|---|--------------------------------------|
| Rotation is correct?  | KEF-1 ROTATION INCORRECT, NTAB FIXED |
| Belts are tight?  | NA                                   |
| Grease cup installed on hood fan?   | YES                                  |
| Hinge kit installed installed on hood fan?  | YES                                  |
| Lean fan back. Is grease duct installation adequate and is duct ran all the way to the base of the fan? | YES                                  |

|   |                          |
|---|--------------------------|
| Flex conduit is long enough so that fan can be completely tilted back?        | YES                      |
| There is no major leakage around base of fan?                                 | NO MAJOR LEAKAGE TO NOTE |
| Is the motor operating below the motor FLA rating?                            | YES                      |
| For restroom fan(s) is the back draft damper installed and can it fully open? | N/A                      |
| Unit free of noticeable noise and vibration?                                  | YES                      |

**MUA**

|  |     |
|--|-----|
| Rotation is correct?                                   | YES |
| Gas piping is installed and valves are in on position? | N/A |
| Heater tested and is functional?                       | N/A |
| Internal motorized damper is fully opening?            | YES |
| Motor is operating below the FLA rating?               | YES |
| Unit free of noticeable noise and vibration?           | YES |

**HOODS**

|  |  |
|--|--|
| Kitchen equipment installed in proper places?            | NO, KITCHEN EQUIPMENT SCATTERED AROUND |
| Can kitchen equipment be turned on for final smoke test? | NO, STARTUPS NOT YET COMPLETED         |
| Griddle is completely centered underneath hood?          | NO                                     |

**DOCUMENTATION**

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

**PICTURES TAKEN OF:**

|                         |     |
|-------------------------|-----|
| All Issues              | YES |
| Each Piece of equipment | YES |
| Each Hood               | YES |
| Front of Store          | YES |

|  |
|--|
| <p><b>Notes/Comments :</b></p> <hr/> <hr/> <hr/> |
|--|





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### 04-17-23 FREDDY'S - BARDSTOWN, KY

#### CheckList Information

**Name :** TECH - STEP 3: TEST, ADJUST AND BALANCE **Status :** NotSubmitted

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

**Requesting Organization :** National TAB

#### CheckList Item Details

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

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

|   |     |
|---|-----|
| Is space free of drafting?  | YES |
| Is space comfortable in all areas?  | YES |
| Is the space free of ventilation noise?   | YES |
| If deviations from design were necessary to resolve 1-3 what were they? Otherwise put "NA". | NA  |

**Notes/Comments :**



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### 04-17-23 FREDDY'S - BARDSTOWN, KY

#### CheckList Information

**Name :** TECH - STEP 4: FINAL TESTS **Status :** NotSubmitted  
**Assigned Organization :** National TAB **Asset :**  
**Requesting Organization :** National TAB

#### CheckList Item Details

##### FINAL TESTS

##### HOOD CAPTURE TEST

|   |  |
|---|--|
| List equipment turned on for testing        | NONE   |
| List smoke candle type used                 | 45 SEC SMOKE   |
| Smoke test capture - Perimeter of hood      | UNABLE TO PERFORM SMOKE TEST DUE TO NUMBER OF CONCERNS. 1, BACK DOOR CANNOT BE SHUT DUE TO PAINTERS, 2 NOT ALL CEILING TILES INSTALLED, 3 COOKING EQUIPMENT CANNOT BE STARTED UP AND IS NOT PROPERLY LOCATED. RECOMMEND CHECKING SMOKE CAPTURE ON RETURN TO BALANCE KEF-3 THAT DID NOT HAVE POWER. |
| Smoke test capture - Top of cooking surface | NA   |

##### WITNESS

|  |            |
|--|------------|
| Date test was completed                                  | 04/14/2023 |
| TAB tech name / Firm                                     | NA         |
| Site super name / Firm                                   | NA         |
| Owner representative name / Firm (if Applicable)         | NA         |
| Building pressure at front & back doors (All Systems On) | NO         |

##### ADDITIONAL

|   |  |
|---|--|
| Do actual net building airflow, design net building airflow, and pressure coincide? If not why? (All three should either be positive or negative) | UNABLE TO SHUT BACK DOOR DUE TO PAINTERS |
|---|--|

Thermostats are programmed? YES

**Thermostats Schedules: Program all thermostats to following settings:**

All three thermostats have correct time/date? (if not set correctly) YES

Occupied Time: 8am-11:55pm YES

Occupied Fan ON YES

Occupied cooling 74 YES

Occupied heating 68 YES

Unoccupied Time 11:55pm-8am YES

Unoccupied Fan Auto YES

Unoccupied cooling 79 YES

Unoccupied heating 63 YES

Set a Partial Screen Lock for Thermostats (i.e., make sure temperature is adjustable but not schedule) YES

Password is set to 999 for Partial Screen Lock? UNABLE TO CHANGE PASSWORD THATS AUTOMATICALLY GENERATED. PASSWORD IS: 3469

**RTU Economizers**

**Note: These instructions are for Lennox units. There are similar settings for other OEMs. Call office for assistance if needed.**

Enthalpy is set to "D" for all three units SET TO 50DEG DB

"DCV Set" dials turned all the way to the left (counter clockwise) NA

"DCV Max" dials turned all the way to the left (counter clockwise) NA

**Notes/Comments :**



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### 04-17-23 FREDDY'S - BARDSTOWN, KY

#### CheckList Information

**Name :** TECH - STEP 5: FINAL DOCUMENTATION **Status :** NotSubmitted

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

**Requesting Organization :** National TAB

#### CheckList Item Details

##### FINAL DOCUMENTATION

Marked Data capture complete for all assets?

Picture file sent to processing team or uploaded?

Balance schedule complete and uploaded?

Prelim report generated and reviewed?

##### Notes/Comments :

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Project: 04-17-23 FREDDY'S - BARDSTOWN, KY

System/Unit: AHU/RTU



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Asset: DOAS1

AREA:KITCHEN

| Unit Data           |                          |                          |
|---------------------|--------------------------|--------------------------|
|                     | Design                   | Actual                   |
| MFG                 | CAPTIVEAIRE              | CAPTIVEAIRE              |
| Serial Num          | -                        | 5249391                  |
| Model Num           | CASRTU-E.902-18-20T-DOAS | CASRTU-E.902-18-20T-DOAS |
| Type                | DOAS                     | DOAS                     |
| Configuration       | VERTICAL                 | ERTICAL                  |
| Num OA Filters 1    | -                        | 4                        |
| OA Filter Size 1    | -                        | 25X16                    |
| Num Final Filter 1  | -                        | 8                        |
| Final Filter Size 1 | -                        | 20X25X2                  |

| Motor Data     |        |        |
|----------------|--------|--------|
|                | Design | Actual |
| Motor MFG      | -      | TECO   |
| Frame          | -      | 182T   |
| Horsepower     | 3      | 3      |
| Motor Rpm      | -      | 1755   |
| Phase          | 3      | 3      |
| Rated Voltage  | 208    | 230    |
| Rated Amperage | -      | 8.6    |

| Drive Data |        |        |
|------------|--------|--------|
|            | Design | Actual |
|            |        |        |

| Test Data              |        |        |
|------------------------|--------|--------|
|                        | Design | Actual |
| SF CFM                 | 3300   | 3242   |
| SF RPM                 | -      | 1603   |
| RA CFM                 | 0      | 0      |
| OA CFM                 | 3300   | 3242   |
| RL Voltage             | -      | 212V   |
| RL Amperage            | -      | 9.3A   |
| SF Rotation            | -      | CCW    |
| RA Damper Position     | -      | 0%     |
| Min OA Damper Position | -      | 100%   |
| Min OA Damper Type     | -      | DOAS   |
| OA Enthalpy Setpt      | -      | NA     |

| Performance Data |        |        |
|------------------|--------|--------|
|                  | Design | Actual |
| MA Plenum SP     | -      | NA     |
| Fan Suction SP   | -      | NA     |
| Fan Discharge SP | -      | NA     |
| Total ESP        | 0.5"   | NA     |
| Fan Total SP     | -      | NA     |

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

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Project:04-17-23 FREDDY'S - BARDSTOWN, KY

## AHU/RTU



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### Diffuser Supply (GRD)

#### DOAS1/KITCHEN

| Asset      |          |      |      |            |    |        |        |           |             |
|------------|----------|------|------|------------|----|--------|--------|-----------|-------------|
| Asset Name | Location | Type | Size | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| SGRD1      | KITCHEN  | SD3  | 10"  | 350        | 1  | 222    | 258    | 266       | 76.0        |
| SGRD2      | KITCHEN  | SD3  | 10"  | 350        | 1  | 326    | 367    | 351       | 100.3       |
| SGRD3      | KITCHEN  | SD3  | 10"  | 350        | 1  | 293    | 326    | 345       | 98.6        |
| SGRD4      | KITCHEN  | SD2  | 10"  | 345        | 1  | 372    | 380    | 332       | 96.2        |
| SGRD5      | KITCHEN  | SD2  | 10"  | 350        | 1  | 332    | 385    | 331       | 94.6        |
| SGRD6      | KITCHEN  | SD2  | 10"  | 350        | 1  | 367    | 409    | 355       | 101.4       |
| SGRD7      | KITCHEN  | SD3  | 10"  | 350        | 1  | 316    | 358    | 371       | 106.0       |
| SGRD8      | KITCHEN  | SD3  | 10"  | 350        | 1  | 307    | 345    | 370       | 105.7       |
| SGRD9      | KITCHEN  | SD3  | 10"  | 350        | 1  | 322    | 379    | 362       | 103.4       |
| SGRD10     | OFFICE   | SD4  | 8"   | 154        | 1  | 117    | 140    | 159       | 103.2       |

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## System/Unit: AHU/RTU



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Asset: RTU1

AREA:DINING

| Unit Data           |            |                    |
|---------------------|------------|--------------------|
|                     | Design     | Actual             |
| MFG                 | CARRIER    | CARRIER            |
| Serial Num          | -          | 3422P09883         |
| Model Num           | 48HCFD14K2 | 48HCFD14K2M5A6U3J0 |
| Type                | RTU        | RTU                |
| Configuration       | VERTICAL   | VERTICAL           |
| Num OA Filters 1    | -          | 2                  |
| OA Filter Size 1    | -          | 24X26              |
| Num Final Filter 1  | -          | 6                  |
| Final Filter Size 1 | -          | 24X18X2            |

| Motor Data     |        |          |
|----------------|--------|----------|
|                | Design | Actual   |
| Motor MFG      | -      | MARATHON |
| Frame          | -      | 56HZ     |
| Horsepower     | 3      | 3.7      |
| Motor Rpm      | -      | 1750     |
| Phase          | 3      | 3        |
| Rated Voltage  | 208    | 230      |
| Rated Amperage | -      | 9.2      |

| Drive Data         |        |            |
|--------------------|--------|------------|
|                    | Design | Actual     |
| Motor Sheave Size  | -      | 1VP50      |
| Motor Bore Size    | -      | 0.825"     |
| Motor Sheave SetPt | -      | 1 TURN OUT |
| Fan Sheave Size    | -      | AK104      |
| Fan Sheave Bore    | -      | 1.1875"    |
| Belt CL Distance   | -      | 20.5"      |
| Num of Belts       | -      | 1          |
| Belt Size          | -      | A61        |
| Belt Alignment     | -      | GOOD       |

| Test Data              |        |                    |
|------------------------|--------|--------------------|
|                        | Design | Actual             |
| SF CFM                 | 5000   | 4625               |
| SF RPM                 | -      | 743                |
| RA CFM                 | 4100   | 3676               |
| OA CFM                 | 900    | 949                |
| RL Voltage             | -      | 211.5/213.1/213.2  |
| RL Amperage            | -      | 9.34/9.56/8.01     |
| SF Rotation            | -      | CCW                |
| RA Damper Position     | -      | MECHANICAL LINKAGE |
| Min OA Damper Position | -      | 4.25V              |
| Min OA Damper Type     | -      | ECONOMIZER         |
| OA Enthalpy Setpt      | -      | 50 DEG DB          |

| Performance Data |        |        |
|------------------|--------|--------|
|                  | Design | Actual |
| MA Plenum SP     | -      | -0.76" |
| Fan Suction SP   | -      | -0.95" |
| Fan Discharge SP | -      | 0.59"  |
| Total ESP        | 1.0"   | 1.35"  |
| Fan Total SP     | -      | 1.54"  |

| General                    |        |                          |
|----------------------------|--------|--------------------------|
|                            | Design | Actual                   |
| Fan Rotation Correct       | -      | YES                      |
| Unit Filters Clean         | -      | YES/CONSTRUCTION FILTERS |
| Condensate Drain Installed | -      | YES                      |

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Project:04-17-23 FREDDY'S - BARDSTOWN, KY

## AHU/RTU



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### Diffuser Supply (GRD)

#### RTU1/DINING

| Asset      |                        |      |      |            |    |        |        |           |             |
|------------|------------------------|------|------|------------|----|--------|--------|-----------|-------------|
| Asset Name | Location               | Type | Size | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| SGRD1      | VESTIBUL<br>E          | SD6  | 8"   | 175        | 1  | 91     | 124    | 167       | 95.4        |
| SGRD2      | DINING                 | SD1  | 12"  | 450        | 1  | 293    | 351    | 405       | 90.0        |
| SGRD3      | DINING                 | SD1  | 12"  | 450        | 1  | 391    | 491    | 416       | 92.4        |
| SGRD4      | DINING                 | SD1  | 12"  | 450        | 1  | 442    | 589    | 425       | 94.4        |
| SGRD5      | ORDERIN<br>G           | SD1  | 12"  | 450        | 1  | 375    | 501    | 409       | 90.9        |
| SGRD6      | ORDERIN<br>G           | SD1  | 12"  | 450        | 1  | 410    | 482    | 410       | 91.1        |
| SGRD7      | DINING                 | SD1  | 12"  | 450        | 1  | 322    | 400    | 408       | 90.7        |
| SGRD8      | DINING                 | SD1  | 12"  | 450        | 1  | 290    | 346    | 426       | 94.7        |
| SGRD9      | DINING                 | SD1  | 12"  | 450        | 1  | 316    | 390    | 410       | 91.1        |
| SGRD10     | DINING                 | SD1  | 12"  | 450        | 1  | 323    | 450    | 430       | 95.6        |
| SGRD11     | DINING                 | SD1  | 12"  | 450        | 1  | 355    | 449    | 409       | 90.9        |
| SGRD12     | RR VEST                | SD5  | 6"   | 175        | 1  | 39     | 55     | 165       | 94.3        |
| SGRD13     | WOMENS<br>RESTROO<br>M | SD5  | 6"   | 100        | 1  | 51     | 55     | 94        | 94.0        |
| SGRD14     | MENS<br>RESTROO<br>M   | SD5  | 6"   | 50         | 1  | 45     | 54     | 51        | 102.0       |

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Project: 04-17-23 FREDDY'S - BARDSTOWN, KY

System/Unit: FAN - Exhaust



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Asset: EF1

AREA:WOMENS RESTROOM

| Unit Data            |          |                |
|----------------------|----------|----------------|
|                      | Design   | Actual         |
| <b>MFG</b>           | COOK     | GREENHECK      |
| <b>Model Num</b>     | GC168    | SP-B150-QD     |
| <b>Serial Num</b>    | -        | 150378386-0050 |
| <b>Type</b>          | CEILING  | CEILING        |
| <b>Configuration</b> | VERTICAL | HORIZONTAL     |

| Motor Data              |        |           |
|-------------------------|--------|-----------|
|                         | Design | Actual    |
| <b>Motor MFG</b>        | -      | GREENHECK |
| <b>Frame</b>            | -      | NL        |
| <b>Horsepower</b>       | 50.4W  | NL        |
| <b>Motor Rpm</b>        | 1      | 1050      |
| <b>Phase</b>            | 1      | 115       |
| <b>Voltage (rated)</b>  | 120    | 120       |
| <b>Amperage (rated)</b> | -      | 1.6       |
| <b>Service Factor</b>   | -      | 1         |

| Test Data               |        |               |
|-------------------------|--------|---------------|
|                         | Design | Actual        |
| <b>CFM</b>              | 75     | 176           |
| <b>Fan RPM</b>          | 1099   | 1050          |
| <b>Fan Rotation</b>     | -      | CCW           |
| <b>Motor RPM</b>        | -      | 1050          |
| <b>System SetPt</b>     | -      | NA FULL SPEED |
| <b>RL Voltage</b>       | -      | 121.1         |
| <b>RL Amperage</b>      | -      | 1.54          |
| <b>Total ESP</b>        | 0.25"  | NA            |
| <b>Fan Inlet SP</b>     | -      | NA            |
| <b>Fan Discharge SP</b> | -      | NA            |

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Project: 04-17-23 FREDDY'S - BARDSTOWN, KY

System/Unit: FAN - Exhaust



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Asset: EF2

AREA:MENS RESTROOM

| Unit Data     |          |                |
|---------------|----------|----------------|
|               | Design   | Actual         |
| MFG           | COOK     | GREENHECK      |
| Model Num     | GC-146   | SP-150-QD      |
| Serial Num    | -        | 135195927-0057 |
| Type          | CEILING  | CEILING        |
| Configuration | VERTICAL | HORIZONTAL     |

| Motor Data       |        |           |
|------------------|--------|-----------|
|                  | Design | Actual    |
| Motor MFG        | -      | GREENHECK |
| Frame            | -      | NL        |
| Horsepower       | 30.3W  | NL        |
| Motor Rpm        | -      | 1050      |
| Phase            | 1      | 1         |
| Voltage (rated)  | 120    | 120       |
| Amperage (rated) | -      | 1.6       |
| Service Factor   | -      | 1         |

| Test Data        |        |               |
|------------------|--------|---------------|
|                  | Design | Actual        |
| CFM              | 150    | 161           |
| Fan RPM          | 900    | 1050          |
| Fan Rotation     | -      | CCW           |
| Motor RPM        | -      | 1050          |
| System SetPt     | -      | NA FULL SPEED |
| RL Voltage       | -      | 120.4         |
| RL Amperage      | -      | 1.51          |
| Total ESP        | 0.25"  | NA            |
| Fan Inlet SP     | -      | NA            |
| Fan Discharge SP | -      | NA            |

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Project: 04-17-23 FREDDY'S - BARDSTOWN, KY

## System/Unit: FAN - Exhaust



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Asset: KEF1

AREA:HOOD 1

| Unit Data            |             |             |
|----------------------|-------------|-------------|
|                      | Design      | Actual      |
| <b>MFG</b>           | CAPTIVEAIRE | CAPTIVEAIRE |
| <b>Model Num</b>     | CASRE18DD   | CASRE18DD   |
| <b>Serial Num</b>    | -           | 5249391     |
| <b>Type</b>          | UTILITY     | UTILITY     |
| <b>Configuration</b> | VERTICAL    | VERTICAL    |

| Motor Data              |        |        |
|-------------------------|--------|--------|
|                         | Design | Actual |
| <b>Motor MFG</b>        | -      | WEG    |
| <b>Frame</b>            | -      | 56HZ   |
| <b>Horsepower</b>       | 2      | 2      |
| <b>Motor Rpm</b>        | -      | 1740   |
| <b>Phase</b>            | 3      | 3      |
| <b>Voltage (rated)</b>  | 208    | 230    |
| <b>Amperage (rated)</b> | -      | 5.38   |
| <b>Service Factor</b>   | -      | 1.15   |

| Test Data               |        |                   |
|-------------------------|--------|-------------------|
|                         | Design | Actual            |
| <b>CFM</b>              | 2584   | 2680              |
| <b>Fan RPM</b>          | 1287   | 1317              |
| <b>Fan Rotation</b>     | -      | CCW               |
| <b>Motor RPM</b>        | -      | 1317              |
| <b>System SetPt</b>     | -      | 45.4HZ            |
| <b>RL Voltage</b>       | -      | 212.2/211.9/211.7 |
| <b>RL Amperage</b>      | -      | 5.3               |
| <b>Total ESP</b>        | 1.4"   | NA                |
| <b>Fan Inlet SP</b>     | -      | NA                |
| <b>Fan Discharge SP</b> | -      | ATM               |

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Project: 04-17-23 FREDDY'S - BARDSTOWN, KY

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: KEF2

AREA:HOOD 2

| Unit Data     |             |             |
|---------------|-------------|-------------|
|               | Design      | Actual      |
| MFG           | CAPTIVEAIRE | CAPTIVEAIRE |
| Model Num     | DU50HFA     | DU50HFA     |
| Serial Num    | -           | 5249391     |
| Type          | UPBLAST     | UPBLAST     |
| Configuration | VERTICAL    | VERTICAL    |

| Motor Data       |        |             |
|------------------|--------|-------------|
|                  | Design | Actual      |
| Motor MFG        | -      | TELCO GREEN |
| Frame            | -      | NL          |
| Horsepower       | 0.5    | 0.5         |
| Motor Rpm        | -      | 1800        |
| Phase            | 1      | 1           |
| Voltage (rated)  | -      | 208         |
| Amperage (rated) | -      | 3.8         |
| Service Factor   | -      | 1           |

| Test Data        |        |        |
|------------------|--------|--------|
|                  | Design | Actual |
| CFM              | 775    | 807    |
| Fan RPM          | 1493   | 1026   |
| Fan Rotation     | -      | CCW    |
| Motor RPM        | -      | 1026   |
| System SetPt     | -      | 57%    |
| RL Voltage       | -      | 213.9  |
| RL Amperage      | -      | 1.51   |
| Total ESP        | 1.2"   | 0.81"  |
| Fan Inlet SP     | -      | -0.81" |
| Fan Discharge SP | -      | ATM    |

Completed By: Tyler Youells

Notes:

# National TAB

Project: 04-17-23 FREDDY'S - BARDSTOWN, KY

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: KEF3

AREA:HOOD 3

| Unit Data     |             |             |
|---------------|-------------|-------------|
|               | Design      | Actual      |
| MFG           | CAPTIVEAIRE | CAPTIVEAIRE |
| Model Num     | DU33HFA     | DU33HFA     |
| Serial Num    | -           | 5249391     |
| Type          | UPBLAST     | UPBLAST     |
| Configuration | VERTICAL    | VERTICAL    |

| Motor Data       |        |             |
|------------------|--------|-------------|
|                  | Design | Actual      |
| Motor MFG        | -      | TELCO GREEN |
| Frame            | -      | NL          |
| Horsepower       | 0.333  | 0.33        |
| Motor Rpm        | -      | 1800        |
| Phase            | 1      | 1           |
| Voltage (rated)  | 115    | 115         |
| Amperage (rated) | -      | 4.3         |
| Service Factor   | -      | 1           |

| Test Data        |        |        |
|------------------|--------|--------|
|                  | Design | Actual |
| CFM              | 525    | 0      |
| Fan RPM          | 1475   | 0      |
| Fan Rotation     | -      | CCW    |
| Motor RPM        | -      | 0      |
| System SetPt     | -      | 0      |
| RL Voltage       | -      | 0      |
| RL Amperage      | -      | 0      |
| Total ESP        | 0.8"   | 0      |
| Fan Inlet SP     | -      | 0      |
| Fan Discharge SP | -      | 0      |

Completed By: Tyler Youells

Notes:

# National TAB

Project: 04-17-23 FREDDY'S - BARDSTOWN, KY

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD2

AREA:

| Unit Data               |                  |                  |
|-------------------------|------------------|------------------|
|                         | Design           | Actual           |
| <b>MFG</b>              | CAPTIVEAIRE      | CAPTIVEAIRE      |
| <b>Model Num</b>        | 5424 ND-2        | 5424 ND-2        |
| <b>Job / Serial Num</b> | -                | 5249391          |
| <b>Type</b>             | TYPE I<br>CANOPY | TYPE I<br>CANOPY |
| <b>Hood length</b>      | 60               | 60               |
| <b>Hood Width</b>       | 54               | 54               |

| Test Data Exhaust              |          |                  |
|--------------------------------|----------|------------------|
|                                | Design   | Actual           |
| <b>Filter Type</b>             | CAPTRATE | CAPTRATE<br>SOLO |
| <b>Filter Size 1</b>           | 16X16    | 16X16            |
| <b>Filter Qty 1</b>            | 3        | 3                |
| <b>Filter AK factor size 1</b> | 1.62     | 1.62             |
| <b>Filter Total AK Area</b>    | 4.86     | 4.86             |
| <b>Filter1 FPM</b>             | -        | 168              |
| <b>Filter2 FPM</b>             | -        | 167              |
| <b>Filter3 FPM</b>             | -        | 164              |
| <b>Filter Ave FPM(corr)</b>    | -        | 166              |
| <b>CFM</b>                     | 775      | 807              |

| Cooking Equipment |        |                      |
|-------------------|--------|----------------------|
|                   | Design | Actual               |
| <b>Item 1</b>     | -      | DOUBLE BANK<br>FRYER |

Completed By: Tyler Youells

Notes:

# National TAB

Project: 04-17-23 FREDDY'S - BARDSTOWN, KY

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD-A1

AREA:

| Unit Data        |               |               |
|------------------|---------------|---------------|
|                  | Design        | Actual        |
| MFG              | CAPTIVEAIRE   | CAPTIVEAIRE   |
| Model Num        | 5424 ND-2     | 5424 ND-2     |
| Job / Serial Num | -             | 5249391       |
| Type             | TYPE I CANOPY | TYPE I ISLAND |
| Hood length      | 70            | 70            |
| Hood Width       | 54            | 54            |

| Test Data Exhaust       |          |               |
|-------------------------|----------|---------------|
|                         | Design   | Actual        |
| Filter Type             | CAPTRATE | CAPTRATE SOLO |
| Filter Size 1           | 16X16    | 16X16         |
| Filter Qty 1            | 5        | 5             |
| Filter AK factor size 1 | 1.62     | 1.62          |
| Filter Total AK Area    | 8.1      | 8.1           |
| Filter1 FPM             | -        | 171           |
| Filter2 FPM             | -        | 155           |
| Filter3 FPM             | -        | 157           |
| Filter4 FPM             | -        | 163           |
| Filter5 FPM             | -        | 169           |
| Filter Ave FPM(corr)    | -        | 163           |
| CFM                     | 1292     | 1368          |

| Cooking Equipment |        |             |
|-------------------|--------|-------------|
|                   | Design | Actual      |
| Item 1            | -      | HEAT TRAY   |
| Item 2            | -      | BUN TOASTER |

Completed By: Tyler Youells

Notes:

# National TAB

Project: 04-17-23 FREDDY'S - BARDSTOWN, KY

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD-B1

AREA:

| Unit Data        |                  |               |
|------------------|------------------|---------------|
|                  | Design           | Actual        |
| MFG              | CAPTIVEAIRE      | CAPTIVEAIRE   |
| Model Num        | 5424 ND-2        | 5424 ND-2     |
| Job / Serial Num | -                | 5249391       |
| Type             | TYPE I<br>CANOPY | TYPE I ISLAND |
| Hood length      | 70               | 70            |
| Hood Width       | 54               | 54            |

| Test Data Exhaust       |          |          |
|-------------------------|----------|----------|
|                         | Design   | Actual   |
| Filter Type             | CAPTRATE | CAPTRATE |
| Filter Size 1           | 16X16    | 16X16    |
| Filter Qty 1            | 5        | 5        |
| Filter AK factor size 1 | 1.62     | 1.62     |
| Filter Total AK Area    | 8.1      | 8.1      |
| Filter1 FPM             | -        | 158      |
| Filter2 FPM             | -        | 160      |
| Filter3 FPM             | -        | 168      |
| Filter4 FPM             | -        | 171      |
| Filter5 FPM             | -        | 154      |
| Filter Ave FPM(corr)    | -        | 162      |
| CFM                     | 1292     | 1312     |

| Cooking Equipment |        |         |
|-------------------|--------|---------|
|                   | Design | Actual  |
| Item 1            | -      | GRIDDLE |

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Notes:

# National TAB

Project: 04-17-23 FREDDY'S - BARDSTOWN, KY

System/Unit: Kitchen Hood Type II



Comfort. Under control.

Asset: HD3

AREA:

| Unit Data          |                  |                   |
|--------------------|------------------|-------------------|
|                    | Design           | Actual            |
| <b>MFG</b>         | CAPTIVEAIRE      | CAPTIVEAIRE       |
| <b>Model Num</b>   | 4224 VHB-G       | 4224 VHB-G        |
| <b>Serial Num</b>  | -                | 5249391           |
| <b>Type</b>        | TYPE I<br>CANOPY | TYPE II<br>CANOPY |
| <b>Hood length</b> | 42               | 42                |
| <b>Hood Width</b>  | 42               | 42                |

| Test Data          |        |        |
|--------------------|--------|--------|
|                    | Design | Actual |
| <b>Exhaust CFM</b> | 525    | 0      |

Completed By: Tyler Youells

Notes: