

**Report By:**

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



**Report: TAB REPORT**  
**Function: Test, Adjust, & Balance**  
**Date: 09/16/2025**  
**Completed By: National TAB**

**PROJECT**  
**09-15-25 CAVA KNOXVILLE, TN**  
**(CUMBERLAND AVE)**

1834 Cumberland Avenue

KNOXVILLE, TN

**Client**

CAVA  
702 H ST NW  
2nd floor  
Washington, DC 20001

# National TAB

Project: 09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)

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## 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.

### AHU's w/ Diffusers

Each of the AHU's were measured at their terminal devices or via traverse to establish a total flow for that unit. Each AHU was adjusted to within tolerance of the engineer's design flow. Each outlet was then adjusted to within tolerance of the design flow. If provided with outside air, the flow was measured via traverse. 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.

### General Exhaust Fans w/ Grilles

The general exhaust fans were measured by reading each air device with a flow hood. The total airflow for each fan is equivalent to the sum of these readings. Fan speed was then adjusted so that the airflow was within tolerance of design. Each terminal device was balanced to within tolerance of the design volume using the installed volume dampers. Any equipment that fell outside of this tolerance is noted throughout the report.

### Final Building Tests

After completing the test and balance the final building pressure was measured. It was confirmed that the building pressure fell within acceptable tolerances of  $-0.02''$  wc to  $+0.02''$  wc and that the pressure measurement coincides with the actual and design net airflow. Any deviations from these standards are noted throughout the report.

The hood capture was tested at the perimeter of the hood and the cook top level with the equipment heat on to ensure satisfactory hood capture and containment.

## Issue List

- AHU 2 dampers inaccessible
- AHU 2 supply diffuser added
- AHU's inaccessible
- Existing AHU 1 low flow
- Mechanical damper ACPSP
- No OA duct installed for units
- THERMOSTAT 3 TIME ADJUSTMENT



**09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)**

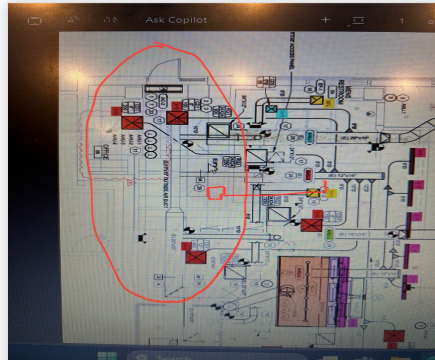
**Project Issue Information**

**Issue Name :** AHU 2 dampers inaccessible  
**Description :** AHU 2 dampers are above hard ceiling for the back 4 supply diffusers. unable to balance proportionately.  
**Created By :** National TAB                      **Assigned To :** National TAB - Brianna Biggs  
**Status :** Open  
**Priority :** InfoOnly                                      **Asset Tag :** AHU2  
**Originated Date :** 09/16/2025 - Jearod Ferrette - National TAB

Project Issue File Details



09/16/2025



09/16/2025

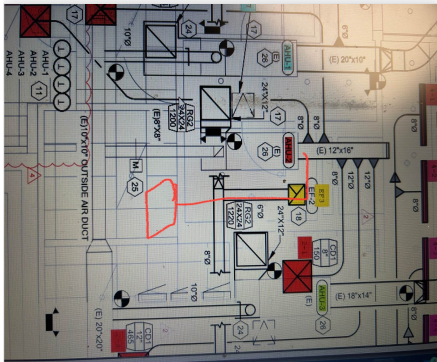


**09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)**

**Project Issue Information**

**Issue Name :** AHU 2 supply diffuser added  
**Description :** AHU 2 has an extra supply diffuser in the kitchen that is not on the current drawings. Diffuser will be balanced proportionately.  
**Created By :** National TAB                      **Assigned To :** National TAB - Brianna Biggs  
**Status :** Open  
**Priority :** InfoOnly                                      **Asset Tag :**  
**Originated Date :** 09/16/2025 - Jearod Ferrette - National TAB

**Project Issue File Details**



**09/16/2025**



**09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)**

**Project Issue Information**

**Issue Name :** AHU's inaccessible  
**Description :** Existing units above hard ceiling inaccessible.  
**Created By :** National TAB                      **Assigned To :** National TAB - Brianna Biggs  
**Status :** Open  
**Priority :** InfoOnly                              **Asset Tag :** HVAC EQUIPMENT1  
**Originated Date :** 09/16/2025 - Jearod Ferrette - National TAB

Project Issue File Details



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**09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)**

**Project Issue Information**

**Issue Name :** Existing AHU 1 low flow  
**Description :** Existing unit currently at 75% of design. Diffusers will be balanced proportionally. Area is cool and comfortable.  
**Created By :** National TAB                      **Assigned To :** National TAB - Brianna Biggs  
**Status :** Open  
**Priority :** InfoOnly                                  **Asset Tag :** AHU1  
**Originated Date :** 09/16/2025 - Jearod Ferrette - National TAB



**09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)**

**Project Issue Information**

<b>Issue Name :</b>	Mechanical damper ACPSP		
<b>Description :</b>	ACPSP has mechanical dampers, they auto adjust flow.		
<b>Created By :</b>	National TAB	<b>Assigned To :</b>	National TAB - Brianna Biggs
<b>Status :</b>	Open		
<b>Priority :</b>	InfoOnly	<b>Asset Tag :</b>	AHU4
<b>Originated Date :</b>	09/16/2025 - Jearod Ferrette - National TAB		



**09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)**

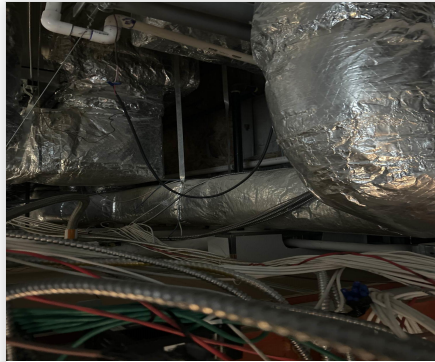
**Project Issue Information**

**Issue Name :** No OA duct installed for units  
**Description :** AHUs don't have an OA installed. There is a main duct that is tapped into all the units to get outside air, with 1 mechanical damper for the duct. PER MSET (M100 section 6)  
**Created By :** National TAB                      **Assigned To :** National TAB - Brianna Biggs  
**Status :** Open  
**Priority :** InfoOnly                              **Asset Tag :** HVAC EQUIPMENT1  
**Originated Date :** 09/16/2025 - Jearod Ferrette - National TAB

Project Issue File Details



09/16/2025



09/16/2025



**09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)**

**Project Issue Information**

**Issue Name :** THERMOSTAT 3 TIME ADJUSTMENT  
**Description :** T-stat #3 in the office time is an hour ahead. The settings are locked out and not able to adjust.  
**Created By :** National TAB                      **Assigned To :** National TAB - Brianna Biggs  
**Status :** Open  
**Priority :** Low                                      **Asset Tag :** HVAC EQUIPMENT1  
**Originated Date :** 09/16/2025 - Jearod Ferrette - National TAB

### AIR BALANCE SCHEDULE

UNIT	AREA SERVED	HVAC SUPPLY		HVAC RETURN		HVAC OUTDOOR		OA %		HOOD MAKE-UP		HOOD EXHAUST		GENERAL EXH.	
		DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
AHU-1	DINING	1200	941	900	641	300	300	25.0%	31.9%						
AHU-2	KITCHEN	1250	1180	1200	1130	50	50	4.0%	4.2%						
AHU-3	DINING	1600	1473	1220	1093	380	380	23.8%	25.8%						
AHU-4	KITCHEN	1535	1676	1485	1626	50	50	3.3%	3.0%						
MUA-1	KITCHEN HD									1735	1692				
EF-1	KITCHEN HD											2317	2213		
EF-2	RESTROOM													75	76
EF-3	RESTROOM													75	74
<b>TOTALS</b>		5585	5270	4805	4490	780	780			1735	1692	2317	2213	150	150

#### NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	2515	2472
TOTAL EXHAUST	2467	2363
<b>NET AIRFLOW</b>	48	109

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H2O)
FRONT	0.008
SIDE	-0.002
REAR	0.
<b>AVERAGE</b>	<b>0.002</b>

#### FINAL CHECKS

- ACTUAL NET AIRFLOW COINCIDES WITH DESIGN: ✓

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- MEASURED PRESSURES COINCIDES WITH ACTUAL NET AIRFLOW: ✓

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- PRESSURE FALLS WITHIN IMC TOLERANCE OF +/-0.02" W.C. ✓

NOTES:

## CheckList List

- FIV - EF'S
- FIV - HOODS
- FIV - HVAC DUCTWORK
- FIV - MUA
- FIV - RTU'S
- FPT - BUILDING PRESSURE AND HOOD CONTAINMENT
- FPT - KEF'S
- FPT - MUA
- FPT - RTU's
- PLAN REVIEW



09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)

CheckList Information

**Name :** FIV - EF'S **Status :** Completed

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

**Requesting Organization :** National TAB

**Created Date :** 09/11/2025 - Trinity Dodds - National TAB

**Completed Date :** 09/16/2025 - Jearod Ferrette - National TAB

CheckList Item Details

**Unit Tag matches the design and submittal MFG and Model** N/A

**Comment:**

UNITS INACCESSIBLE ABOVE HARD CEILING

**Each exhaust fan is proper tagged for proper identification with tags sized and placed on the fan for visual ease** Pass

**Comment:**

**Fans are installed in the correct location and orientation** Pass

**Comment:**

**All packing, material and debris has been removed from the blower/wheel housing and the motor compartment** Pass

**Comment:**

**Fan wheels turn easily by hand (turn power off prior to testing)** N/A

**Comment:**

**Fans grease duct curb top plate is properly transitioned to the fan inlet and flush on top of the curb, sealed to the fan base to prevent leakage** Pass

**Comment:**

Exhaust fans have external disconnects and are connected to allow full hinging of each exhaust fan

N/A

**Comment:**

Exhaust fan does not hinge



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Fan is properly hinged and supported when hinged fully back for grease duct access (for Halton fans, ensure the base mounted disconnect is not hitting the fan base/curb when fully hinged back)

N/A

**Comment:**

Exhaust fan does not hinge



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Grease cups are properly installed and connected to the fan base grease drain to prevent spilling outside of the grease cup

N/A

**Comment:**

Grease cup not installed on the exhaust fan.

Exhaust fans are located 5ft from parapet wall and 10ft from any fresh air intake.

Pass

Comment:



09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)

CheckList Information

**Name :** FIV - HOODS **Status :** Completed

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

**Requesting Organization :** National TAB

**Created Date :** 09/11/2025 - Trinity Dodds - National TAB

**Completed Date :** 09/15/2025 - Jearod Ferrette - National TAB

CheckList Item Details

HOOD INSTALLATION DETAILS

Kitchen hoods tags match design and submitted information Pass

Comment:

Kitchen hoods are hung Level using 1/2" threaded rod Pass

Comment:

Kitchen hoods are supported using beam clamps and/or Unistrut per required structural and local AHJ requirements Pass

Comment:

Kitchen hoods are hung level front to back and side to side Pass

Comment:

Kitchen hoods are hung at 80" AFF Pass

Comment:

Kitchen Hoods are flush against the wall along the bottom and each of it's side walls. Pass

Comment:

Caulk is applied (less than 1/8" thick) from the hood against all wall surfaces or between connecting side to side hoods to prevent grease accumulation inside any crevice. Pass

Comment:

There are no penetrations into the hood canopy other than fire system nozzles Pass

Comment:

The hood is in "As New" condition with no visible damage, rust, pitting, or other blemishes Pass

Comment:

All protective film has been peeled away from the wall or other areas of impingement to assure it can be easily and fully removed prior to cleaning. Pass

Comment:

#### HOOD ACCESSORIES

End panels are installed

Comment:

Hood filters are installed Pass

Comment:

Grease cups are installed Pass

Comment:

Ceiling Wrappers are installed and the ceiling grid is fixed to the top of the ceiling wrappers Pass

Comment:

Hood control panel has been identified and is located as per plan, is accessible, and contains all components and temperature sensors to meet local interlock (normal and abnormal conditions) and heat auto on/off functionality. Pass

Comment:



09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)

**CheckList Information**

**Name :** FIV - HVAC DUCTWORK **Status :** Completed

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

**Requesting Organization :** National TAB

**Created Date :** 09/11/2025 - Trinity Dodds - National TAB

**Completed Date :** 09/16/2025 - Jearod Ferrette - National TAB

**CheckList Item Details**

**KVS - GREASE DUCT (HOOD SYSTEM)**

**Grease duct is sized and routed per plan** Pass

**Comment:**

**Grease duct is properly supported** Pass

**Comment:**

**Grease duct has code required negative pitch from fan inlet back to the hood riser connection** Pass

**Comment:**

**Grease duct has required clean-out doors installed, labeled, and accessible for removal/cleaning. Doors are located as required by code** Pass

**Comment:**

**Grease duct clean-out doors are secured using tool less fasteners and seal fully when hand tightened** Pass

**Comment:**

**Grease duct is centered in the curb and transitions as required to ensure the fan inlet is fully covered by the grease duct opening. Duct top plate flanges to the edges of the curb and is secured and flat so that the fan sits flush and square.** Pass

Comment:

Grease duct is wrapped if welded duct, or is double wall round duct?

Pass

Comment:

**KVS - MUA DUCT (HOOD SYSTEM)**

MUA duct is routed and sized as per plan

Pass

Comment:

MUA duct is properly supported

Pass

Comment:

MUA duct seams are sealed air tight using proper sealant and application for SMACNA pressure rating of duct systems

Yes

Comment:

MUA duct is externally insulated and taped to prevent vapor barrier from being breached

Pass

Comment:

MUA duct drop box and transitions are done to encourage laminar flow and avoid restrictions

Pass

Comment:

Branch take-off's have accessible dampers exposed for the TAB team to adjust each line as necessary

N/A

Comment:

MECHANICAL DAMPERS INSTALLED, DAMPERS AUTO ADJUST

Flex duct (if used) is supported and straight with no more than one (1) hard 90 degree elbow and less than 5ft in total length

Pass

Comment:

Connection to the hood MUA plenum is secured and foil taped to prevent air leakage

Pass

Comment:

**RESTROOM DUCT**

<b>Restroom duct is routed and sized per plan</b>	Pass
<b>Comment:</b>	
<b>Restroom duct is properly supported</b>	Pass
<b>Comment:</b>	
<b>Duct seams are sealed</b>	Yes
<b>Comment:</b>	
<b>Dampers are accessible to TAB team for balancing</b>	Fail
<b>Comment:</b>	
<b>Flex duct (if used) is supported and straight with no more than one (1) hard 90 degree elbow and less than 5ft in total length</b>	N/A
<b>Comment:</b>	
<b>Duct is secured to exhaust register</b>	Pass
<b>Comment:</b>	
<b>Gravity damper is installed, opens and closes freely, and is sealed to prevent air leakage</b>	Pass
<b>Comment:</b>	
<b>Duct to curb transition is centered and sized to ensure it covers the entire fan inlet. Curb top plate is flush and secured to the ends of the curb.</b>	Pass
<b>Comment:</b>	
<b>HVAC DUCT</b>	
<b>Kitchen and Dining room duct is routed and sized as per plan</b>	Pass
<b>Comment:</b>	
<b>Ducts are properly supported</b>	Pass
<b>Comment:</b>	
<b>Ductwork is externally insulated</b>	Yes

**Comment:**

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<b>Duct seams are sealed air tight using proper sealant and application for SMACNA pressure rating of duct systems</b>	Pass
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---

**Comment:**

---

<b>Ducts are securely insulated as per specificatins and foil taped to prevent air barrier from being breached</b>	Pass
--	------

---

**Comment:**

---

<b>Takeoffs are installed to serve required terminal diffusers and are equipped with accessible dampers for TAB team access and can be opened or closed fully with no impingements</b>	Pass
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---

**Comment:**

---

<b>Flex duct (if used) is supported and straight with no more than one (1) hard 90 degree elbow and less than 5ft in total length</b>	N/A
---	-----

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**Comment:**

---

<b>Takeoff to diffuser is installed securely to prevent slippage and air leakage</b>	Pass
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**Comment:**

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<b>All diffuser neck or opening sizes are installed as planned</b>	Pass
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**Comment:**

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<b>Supply and Return duct transitions to top of RTU curb, sized to full width and length of opening and is flashed fully to the sides of the curb.</b>	Pass
--	------

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**Comment:**

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09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)

**CheckList Information**

**Name :** FIV - MUA **Status :** Completed

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

**Requesting Organization :** National TAB

**Created Date :** 09/11/2025 - Trinity Dodds - National TAB

**Completed Date :** 09/16/2025 - Jearod Ferrette - National TAB

**CheckList Item Details**

MUA Tag information matches design and submittal criteria N/A

**Comment:**

INACCESSIBLE ABOVE HARD CEILING

MUA Fan has a permanent tag for identification located on the unit located and sized for visual ease N/A

**Comment:**

UNITS INACCESSIBLE ABOVE HARD CEILING

MUA is installed in the proper location and orientation Pass

**Comment:**

MUA intake is a minimum 10ft from any exhaust, roof vent or dirty air source Pass

**Comment:**

Blower compartment and internal heater area is free of packing material, debris, and dirt Pass

**Comment:**

Blower wheel turns freely by hand (turn power off prior to testing) Pass

**Comment:**

<b>All MUA compartment and control doors are fully accessible, minimum 36" clearance for service allowing the doors to fully open without restriction</b>	Pass
<b>Comment:</b>	
<b>MUA Electrical disconnect is external to the unit and properly wired</b>	Pass
<b>Comment:</b>	
<b>Outdoor air awning is installed and fitted with proper OA mesh filters</b>	N/A
<b>Comment:</b>  INACCESSIBLE ABOVE HARD CEILING	
<b>Condensate drain is installed (for cooling MUA's) with proper traps, clean-outs, and drain away from the unit to an acceptable roof drain</b>	Pass
<b>Comment:</b>	
<b>Refrigeration line sets are installed and connected properly with adequate supports per specifications</b>	Pass
<b>Comment:</b>	
<b>Condenser is installed away from any grease producing exhaust fans and located as per roof plan</b>	Pass
<b>Comment:</b>	
<b>Condenser's electrical disconnect is external to the unit and properly wired (if applicable)</b>	N/A
<b>Comment:</b>	
<b>Condenser hail guards are installed (if applicable)</b>	N/A
<b>Comment:</b>	
<b>All Condenser compartment and control doors are fully accessible, minimum 36" clearance for service allowing the doors to fully open without restriction (if applicable)</b>	N/A
<b>Comment:</b>	
<b>Gas line is installed per specification and properly supported</b>	Pass
<b>Comment:</b>	

Gas line is installed per specification and properly supported and contains maintenance shut-off valve, trap, and regulator (if line pressure requires it). MUA is equipped with inlet gas pressure gauge to validate incoming gas pressure is suitable

N/A

**Comment:**

UNIT INACCESSIBLE ABOVE HARD CEILING



09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)

CheckList Information

**Name :** FIV - RTU'S **Status :** Completed

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

**Requesting Organization :** National TAB

**Created Date :** 09/11/2025 - Trinity Dodds - National TAB

**Completed Date :** 09/16/2025 - Jearod Ferrette - National TAB

CheckList Item Details

RTU IDENTIFICATION, ORIENTATION & LOCATION

Each RTU is tagged for proper identification with tags sized and placed on the fan for visual ease	N/A
--	-----

**Comment:**

UNITS INACCESSIBLE ABOVE HARD CEILING

Identify and ensure the RTU label information and size is correct	N/A
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**Comment:**

UNITS INACCESSIBLE ABOVE HARD CEILING

Ensure proper location of unit	Pass
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**Comment:**

Ensure orientation of curb & RTU is per plan	Pass
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**Comment:**

Ensure Packing in the blower compartment has been removed	N/A
---	-----

**Comment:**

UNITS INACCESSIBLE ABOVE HARD CEILING

RTU - INSTALLATION DETAILS

<b>With disconnect switch "off" spin the indoor and outdoor fan wheel's by hand and ensure they spin freely</b>	N/A
<b>Comment:</b> UNITS INACCESSIBLE ABOVE HARD CEILING	
<b>Ensure Roof Curb is fully flashed by roofing material and secured and curb is level</b>	Pass
<b>Comment:</b>	
<b>Inspect the interior of the supply heat exchange compartment and return air compartment - validate that the duct is flashed and sealed to the top of the curb to prevent leakage or short cycling</b>	N/A
<b>Comment:</b> UNITS INACCESSIBLE ABOVE HARD CEILING	
<b>Hail guards installed on outdoor condenser coils</b>	Pass
<b>Comment:</b>	
<b>RTU - ACCESSORIES</b>	
<b>Power connected &amp; disconnect installed</b>	Pass
<b>Comment:</b>	
<b>Gas line connected per specification (size, painting, supports, shut-off valves, traps)</b>	N/A
<b>Comment:</b>	
<b>OA hood &amp; filters installed</b>	Fail
<b>Comment:</b> NO OA INSTALLED, UNITS ARE TAPPED INTO 1 MAIN DUCTWORK TO GET OUTSIDE AIR	
<b>Economizer wired to control board</b>	N/A
<b>Comment:</b> UNITS INACCESSIBLE ABOVE HARD CEILING	
<b>Evaporator coil filters are properly installed with specified MERV rating</b>	N/A
<b>Comment:</b>	
<b>Economizer damper is installed properly</b>	N/A

**Comment:**

---

**Economizer OA temperature / enthalpy sensors installed and wired**

N/A

---

**Comment:**

OA not tied in traditionally, see remarks

---

**Thermostat and humidity (if applicable) control wires wired to RTU terminals**

N/A

---

**Comment:**

---

**Condensate drain installed per specification**

Pass

---

**Comment:**

---

**Condensate line drains away from unit to a approved roof drain**

Pass

---

**Comment:**

---

**Belts are tight?**

N/A

---

**Comment:**

UNITS INACCESSIBLE ABOVE HARD CEILING

---

**Pulleys aligned?**

N/A

---

**Comment:**

---

**MERV rated filters are installed and are clean?**

N/A

---

**Comment:**

UNITS INACCESSIBLE ABOVE HARD CEILING

---



09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)

CheckList Information

**Name :** FPT - BUILDING PRESSURE AND HOOD CONTAINMENT **Status :** Completed

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

**Requesting Organization :** National TAB

**Created Date :** 09/11/2025 - Trinity Dodds - National TAB

**Completed Date :** 09/16/2025 - Jearod Ferrette - National TAB

CheckList Item Details

**FINAL TESTS**

**HOOD CAPTURE TEST**

List equipment turned on for testing

**Comment:**

oven, fire grill, stove, fryer

List smoke candle type used

**Comment:**

smoke candle

Smoke test capture - Perimeter of hood (%)

**Comment:**

100%

Smoke test capture - Top of cooking surface (%)

**Comment:**

100%

**WITNESS**

Date test was completed

09/16/2025

**Comment:**

---

**TAB tech name / Firm**

**Comment:**

Jearod Ferrette/ NTAB

---

**Site super name / Firm**

**Comment:**

Brandon Smith

---

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

**Comment:**

NA

---

**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)**

**Comment:**

FRONT 0.008, SIDE -0.002, BUILDING ATTACHED

---



09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)

CheckList Information

**Name :** FPT - KEF'S **Status :** Completed

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

**Requesting Organization :** National TAB

**Created Date :** 09/11/2025 - Trinity Dodds - National TAB

**Completed Date :** 09/15/2025 - Jearod Ferrette - National TAB

CheckList Item Details

Exhaust fans wheel rotation is correct Pass

Comment:

TAB firm has balanced the exhaust fans to proper design levels Pass

Comment:

All motor and electrical readings are below the full load rating of each fan Pass

Comment:

Exhaust Fans do not have any unusual noise or vibration while operating Pass

Comment:

Smoke and Grease from exhaust fans appear to properly elevate above the parapet wall and off the roof. Pass

Comment:

Hoods have been started up by the manufacturers rep? Pass

Comment:

Hoods free of alarms? Pass

**Comment:**

---

**Exhaust fans modulate to high speed when kitchen equipment is on and at cooking temperatures? If not, adjust modulation/offset down.**

Pass

---

**Comment:**

---



09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)

**CheckList Information**

**Name :** FPT - MUA **Status :** Completed

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

**Requesting Organization :** National TAB

**Created Date :** 09/11/2025 - Trinity Dodds - National TAB

**Completed Date :** 09/15/2025 - Jearod Ferrette - National TAB

**CheckList Item Details**

TAB firm has balanced the MUA to within proper design limits Pass

Comment:

Blower wheel rotation is correct Pass

Comment:

MUA does not have any unusual noise or vibration while operating Pass

Comment:

Motor and electrical measurements are below the full load rating Pass

Comment:

Startup has been completed by the manufacturers rep? Pass

Comment:

Heater tested and is functional? Pass

Comment:

Cooling is tested and is functional? Yes

Comment:



09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)

CheckList Information

**Name :** FPT - RTU's **Status :** Completed

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

**Requesting Organization :** National TAB

**Created Date :** 09/11/2025 - Trinity Dodds - National TAB

**Completed Date :** 09/16/2025 - Jearod Ferrette - National TAB

CheckList Item Details

**THERMOSTAT PROGRAMMING AND CALIBRATION**

<b>Time is correct on the thermostats</b>	Fail
---	------

**Comment:**

T-stat 3 off by 1 hour. Can not change time.

<b>Occupied Time = 7:30 AM</b>	Pass
--------------------------------	------

**Comment:**

<b>Occupied Heat setpoint = 68</b>	Pass
------------------------------------	------

**Comment:**

<b>Occupied Cooling setpoint = 72</b>	Pass
---------------------------------------	------

**Comment:**

<b>Dehumidification Setpoint = 55%</b>	N/A
--	-----

**Comment:**

NO DEHUMIDICATION ON UNIT

<b>Occupied Fan = On</b>	Pass
--------------------------	------

**Comment:**

**Unoccupied Time = 12:00AM**

Pass

**Comment:**

**Unoccupied Heat setpoint = 60**

Pass

**Comment:**

**Occupied Cooling setpoint = 80**

Pass

**Comment:**

**Unoccupied Fan = Auto**

Pass

**Comment:**

**Actual measured temperature is within +/-1 degree of temperature displayed on thermostat. If not calibrate the sensor**

Pass

**Comment:**

RTU 1 THERMOSTAT: 72F/ TEMP SENSOR: 72.4 RTU 2 THERMOSTAT: 72F/ TEMP SENSOR: 73.1 RTU 3 THERMOSTAT: 71F/ TEMP SENSOR: 72.3 RTU 4 THERMOSTAT: 72F/ TEMP SENSOR: 72.4

**Actual measured RH is within +/-3 % of displayed RH at RTU or thermostat. If not calibrate the sensor**

N/A

**Comment:**

HUMIDITY SENSORS ARE NOT INSTALLED AT THIS LOCATION

**CONTROL WIRING VALIDATION**

**Economizer Dry Bulb sensor wired**

Pass

**Comment:**

**Economizer Dry Bulb sensor operational**

Pass

**Comment:**

**OCP/OCC terminal wired correctly**

Pass

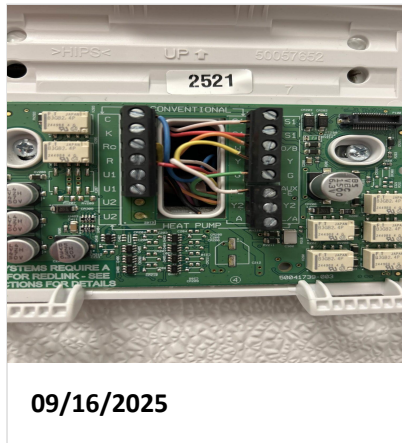
**Comment:**

**Thermostat Wired correctly (R,C,Y1,Y2,W1,W2)**

N/A

**Comment:**

Existing units, Y2 not used



**Humidity Sensor Wired correctly**

N/A

**Comment:**

**CALIBRATION & PROGRAMMING**

**RTU OA DB StPt, Reading Accuracy (+/- 2 degrees / 10 minute time to calibrate to actual reading)**

N/A

**Comment:**

**RTU MAT StPt, Reading Accuracy (+/- 2 degrees / 10 minute time to calibrate to actual reading)**

N/A

**Comment:**

**RTU MAT Low StPt**

**Comment:**

NA

**RTU Low T Lockout**

**Comment:**

**Economizer set to 28 BTU/lb enthalpy setpoint.**

N/A

**Comment:**

**Temperature tests**

**Outside air temperature / humidity**

**Comment:**

81.1F/ 50.4

**Full cooling LAT/H**

**Comment:**

RTU 1 LAT: 58/ 60H RTU 2 LAT: 55/ 60H RTU 3 LAT: 56/ 64H RTU 4 LAT: 55/ 72H

**Full heating LAT/H**

**Comment:**

COULD NOT BE TESTED DUE TO OUTSIDE AIR TEMP ABOVE 80F

**OUTDOOR AIR / RELIEF DAMPER**

**If power exhaust installed, set point is higher than the OA damper setpoint**

N/A

**Comment:**

**If power exhaust installed, open the OA damper above the power exhaust setpoint and ensure that the power exhaust turns on**

N/A

**Comment:**

**If relief damper is installed, ensure that it is installed properly and can open freely.**

N/A

**Comment:**

**OCCUPANCY VALIDATION**

**Place the thermostat in "unoccupied" - Does the OA damper close fully**

N/A

**Comment:**

OPTION NOT AVAILABE

**Stage cooling and Heating in "unoccupied" - Does the unit properly stage and does the OA damper remain closed**

N/A

**Comment:**

OPTION NOT AVAILABE

**Place the thermostat in "Occupied" - Does the OA damper open to the TAB preset minimum position in High speed**

Pass

**Comment:**

PER MECHANICAL THE DAMPER ON TRUCK THAT SERVICES THE OA, OPENS AND CLOSES WITH OUTSIDE TEMP.

Place the thermostat in "Occupied" - Does the OA damper open to the TAB preset minimum position in Low speed (if applicable)

**Comment:**

AHU's RUN IN HIGH SPEED AT ALL TIMES



09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)

CheckList Information

**Name :** PLAN REVIEW **Status :** Completed

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

**Requesting Organization :** National TAB

**Created Date :** 09/11/2025 - Brianna Biggs - National TAB

**Completed Date :** 09/11/2025 - Trinity Dodds - National TAB

CheckList Item Details

Asset Requirements

**We have the latest set of construction drawings and are not working off the Bid or Permit Set:** Yes

**Comment:**

**Diffuser totals equal the scheduled airflow of each piece of equipment** No

**Comment:**

(-50) AHU1 – DESIGN: 1200 DIFFUSER TOTAL:1250 (-15) AHU2 – DESIGN:1250 DIFFUSER TOTAL:1265 (140) AHU4 – DESIGN:1675 DIFFUSER TOTAL:1535

**Scheduled Hood airflow match scheduled EF and MAU airflows** N/A

**Comment:**

Files to Upload

**A PDF summary is uploaded and matches the equipment/scope of the project** Yes

**Comment:**

**Balance schedule is uploaded?** Yes

**Comment:**

**Required account checklists are created** Yes

**Comment:**

---

**Mechanical drawings are uploaded**

Yes

---

**Comment:**

---

**If job is a Revive, Pre-design, or Remodel. Check if we have an old report on sharepoint or the old FaciliBuild and upload to files section.**

No

---

**Comment:**

---

**GRD Layout is uploaded**

Yes

---

**Comment:**

---

**Jurisdiction Requirements**

---

**Is job in Orlando, FL metro area or Phoenix metro area? If yes, a smoke detector checklist needs to be created for each RTU or AHU**

No

---

**Comment:**

---

**Is job in Broward County, FL? If so, is Broward County on the permit (Ask the GC)? If Broward County is on the permit, then we CANNOT perform the balance.**

No

---

**Comment:**

---

**Notes/Comments :**

---

The EFs are labelled wrong on the construction pages.

---

**Date :**09/11/2025

# National TAB

Project: 09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)



## System/Unit: AHU/RTU

Asset: AHU1

AREA:DINING

Unit Data		
	Design	Actual
MFG	BRYANT	BRYANT
Model Num	FX4DNF-037	FX4DNF-037
Type	AHU	AHU
Configuration	HORIZONTAL	HORIZONTAL
Num OA Filters 1	-	NA
OA Filter Size 1	-	NA
Num Final Filter 1	-	NA
Final Filter Size 1	-	NA

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	-	NA
Motor Rpm	-	NA
Phase	1	1
Rated Voltage	208	208
Rated Amperage	-	NA

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

Test Data		
	Design	Actual
SF CFM	1200	941
SF RPM	-	NA
RA CFM	900	641
OA CFM	300	300
RL Voltage	-	NA
RL Amperage	-	NA
SF Rotation	-	NA
SF System SetPt	-	HIGH COOLING
RA Damper Position	-	100%
Min OA Damper Position	-	NA
Min OA Damper Type	-	Mechanical
OA Enthalpy Setpt	-	NA

Performance Data		
	Design	Actual
MA Plenum SP	-	NA
Fan Suction SP	-	NA
Fan Discharge SP	-	NA
Total ESP	0.80"	NA
Fan Total SP	-	NA

General	
	Actual
Fan Rotation Correct	NA
Unit Filters Clean	NA
Condensate Drain Installed	YES

Completed By: Jearod Ferrette on 09/16/2025

# National TAB

Project:09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)

## AHU/RTU



### Diffuser Supply (GRD)

#### AHU1/DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DINING	SG1	12X6	200	0.38	145	160	149	74.5
SGRD2	DINING	SG1	12X6	200	0.38	162	169	155	77.5
SGRD3	DINING	SG1	12X6	200	0.38	140	127	153	76.5
SGRD4	DINING	SG1	12X6	200	0.38	148	141	147	73.5
SGRD5	DINING	SG1	12X6	200	0.38	173	179	150	75.0
SGRD6	DINING	SG1	12X6	200	0.38	132	135	149	74.5
SGRD7	RESTROOM 110	CD3	6"	50	1	38	40	40	80.0
Total				1250		938	951	943	75.44%

Completed By: Jearod Ferrette on 09/16/2025

# National TAB

Project: 09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)



## System/Unit: AHU/RTU

Asset: AHU2

AREA: KITCHEN

Unit Data		
	Design	Actual
MFG	BRYANT	BRYANT
Model Num	FX4D-037	FX4D-037
Type	AHU	AHU
Configuration	HORIZONTAL	HORIZONTAL
Num OA Filters 1	-	NA
OA Filter Size 1	-	NA
Num Final Filter 1	-	NA
Final Filter Size 1	-	NA

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	-	NA
Motor Rpm	-	NA
Phase	1	1
Rated Voltage	208	208
Rated Amperage	-	NA

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

Test Data		
	Design	Actual
SF CFM	1250	1180
SF RPM	-	NA
RA CFM	1200	1130
OA CFM	50	50
RL Voltage	-	NA
RL Amperage	-	NA
SF Rotation	-	NA
SF System SetPt	-	HIGH COOL
RA Damper Position	-	100%
Min OA Damper Position	-	NA
Min OA Damper Type	-	Mechanical
OA Enthalpy Setpt	-	NA

Performance Data		
	Design	Actual
MA Plenum SP	-	NA
Fan Suction SP	-	NA
Fan Discharge SP	-	NA
Total ESP	0.80"	NA
Fan Total SP	-	NA

General	
	Actual
Fan Rotation Correct	NA
Unit Filters Clean	NA
Condensate Drain Installed	YES

Completed By: Jearod Ferrette on 09/16/2025

# National TAB

Project:09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)

## AHU/RTU



### Diffuser Supply (GRD)

#### AHU2/KITCHEN

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	KITCHEN	CD1	8"	150	1	87	150	173	115.3
SGRD2	KITCHEN	CD2	8"	200	1	130	170	149	74.5
SGRD3	KITCHEN	CD2	8"	150	1	154	123	120	80.0
SGRD4	BACK KITCHEN	CD1	12"	465	1	241	295	243	52.3
SGRD5	BACK KITCHEN	CD1	8"	100	1	160	120	168	168.0
SGRD6	OFFICE	CD1	8"	200	1	192	180	196	98.0
SGRD7	BACK KITCHEN	CD1	8"		1	127	139	131	-
Total				1265		1091	1177	1180	93.28%

# National TAB

Project: 09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)



## System/Unit: AHU/RTU

Asset: AHU3

AREA: DINING

Unit Data		
	Design	Actual
MFG	BRYANT	BRYANT
Serial Num	-	NA
Model Num	FX4D-049	FX4D-049
Type	AHU	AHU
Configuration	HORIZONTAL	HORIZONTAL
Num OA Filters 1	-	NA
OA Filter Size 1	-	NA
Num Final Filter 1	-	NA
Final Filter Size 1	-	NA

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	-	NA
Motor Rpm	-	NA
Phase	1	1
Rated Voltage	208	208
Rated Amperage	-	NA

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

Test Data		
	Design	Actual
SF CFM	1600	1473
SF RPM	-	NA
RA CFM	1220	1093
OA CFM	380	380
RL Voltage	-	NA
RL Amperage	-	NA
SF Rotation	-	NA
SF System SetPt	-	HIGH COOL
RA Damper Position	-	100%
Min OA Damper Position	-	NA
Min OA Damper Type	-	Mechanical
OA Enthalpy Setpt	-	NA

Performance Data		
	Design	Actual
MA Plenum SP	-	NA
Fan Suction SP	-	NA
Fan Discharge SP	-	NA
Total ESP	0.80"	NA
Fan Total SP	-	NA

General	
	Actual
Fan Rotation Correct	NA
Unit Filters Clean	NA
Condensate Drain Installed	YES

Completed By: Jearod Ferrette on 09/16/2025

# National TAB

Project:09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)

## AHU/RTU



### Diffuser Supply (GRD)

#### AHU3/DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DINING	SG1	18X6	300	0.59	297	280	277	92.3
SGRD2	DINING	SG1	18X6	300	0.59	282	289	282	94.0
SGRD3	DINING	SG1	18X6	300	0.59	300	278	277	92.3
SGRD4	DINING	SG1	18X6	300	0.59	265	255	275	91.7
SGRD5	DINING	CD2	8"	200	1	95	140	180	90.0
SGRD6	DINING	SG1	18X6	200	0.59	246	232	182	91.0
Total				1600		1485	1474	1473	92.06%

# National TAB

Project: 09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)



## System/Unit: AHU/RTU

Asset: AHU4

AREA: KITCHEN

Unit Data		
	Design	Actual
MFG	BRYANT	BRYANT
Serial Num	-	NA
Model Num	FX4D-049	FX4D-049
Type	AHU	AHU
Configuration	HORIZONTAL	HORIZONTAL
Num OA Filters 1	-	NA
OA Filter Size 1	-	NA
Num Final Filter 1	-	NA
Final Filter Size 1	-	NA

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	-	NA
Motor Rpm	-	NA
Phase	1	1
Rated Voltage	208	208
Rated Amperage	-	NA

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

Test Data		
	Design	Actual
SF CFM	1535	1676
SF RPM	-	NA
RA CFM	1485	1626
OA CFM	50	50
RL Voltage	-	NA
RL Amperage	-	NA
SF Rotation	-	NA
SF System SetPt	-	HIGH COOL
RA Damper Position	-	100%
Min OA Damper Position	-	NA
Min OA Damper Type	-	Mechanical
OA Enthalpy Setpt	-	NA

Performance Data		
	Design	Actual
MA Plenum SP	-	NA
Fan Suction SP	-	NA
Fan Discharge SP	-	NA
Total ESP	0.80"	NA
Fan Total SP	-	NA

General	
	Actual
Fan Rotation Correct	NA
Unit Filters Clean	NA
Condensate Drain Installed	YES

Completed By: Jearod Ferrette on 09/16/2025

# National TAB

Project:09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)

## AHU/RTU



### Diffuser Supply (GRD)

#### AHU4/KITCHEN

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	KITCHEN	SD1	48"	135	0.63	231	214	144	106.7
SGRD2	KITCHEN	SD1	48"	135	0.63	154	146	156	115.6
SGRD3	KITCHEN	SD1	48"	135	0.63	229	213	146	108.1
SGRD4	KITCHEN	SD1	48"	135	0.63	216	211	145	107.4
SGRD5	KITCHEN	SD1	48"	135	0.63	209	223	147	108.9
SGRD6	KITCHEN HD	ACPSP	139X12	860	4.51	667	667	938	109.1
Total				1535		1706	1674	1676	109.19%

# National TAB

Project: 09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)



## System/Unit: FAN - Exhaust

Asset: EF1

AREA: KITCHEN HD

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	USBI18DD-RM	USBI18DD-RM
Serial Num	-	7244619
Type	UTILITY	UTILITY
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	2317	2213
Fan RPM	-	DD/ 54.2HZ
Fan Rotation	-	CCW
Motor RPM	-	DD/ 54.2
System SetPt	-	54.2HZ
RL Voltage	-	168VFD
RL Amperage	-	8.3
Total ESP	2.5"	2.67"
Fan Inlet SP	-	2.67"
Fan Discharge SP	-	ATMO

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	3.0	3.0
Motor Rpm	-	NA
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	NA
Service Factor	-	NA

Completed By: Jearod Ferrette on 09/16/2025

### Unit Data - PHOTO LOG



09/16/2025

# National TAB

Project: 09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)



## System/Unit: FAN - Exhaust

Asset: EF2

AREA:RESTROOM 110

Unit Data		
	Design	Actual
MFG	LOREN COOK	LOREN COOK
Model Num	GC-148	GC-148
Serial Num	-	NA
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	QUEACE
Frame	-	NA
Horsepower	-	NA
Motor Rpm	-	1150
Phase	1	1
Voltage (rated)	120	120
Amperage (rated)	-	0.40
Service Factor	-	1

Test Data		
	Design	Actual
CFM	75	76
Fan RPM	-	DD
Fan Rotation	-	CCW
Motor RPM	-	DD
System SetPt	-	HIGH
RL Voltage	-	119
RL Amperage	-	0.3
Total ESP	0.30"	NA
Fan Inlet SP	-	NA
Fan Discharge SP	-	ATMO

Completed By: Jearod Ferrette on 09/16/2025

### Unit Data - PHOTO LOG



09/16/2025

# National TAB

Project: 09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)



## System/Unit: FAN - Exhaust

Asset: EF3

AREA:RESTROOM 111

Unit Data		
	Design	Actual
MFG	LOREN COOK	LOREN COOK
Model Num	GC-148	GC-148
Serial Num	-	NA
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	QUEACE
Frame	-	NA
Horsepower	-	NA
Motor Rpm	-	1550
Phase	1	1
Voltage (rated)	120	120
Amperage (rated)	-	0.40
Service Factor	-	1

Test Data		
	Design	Actual
CFM	75	74
Fan RPM	-	DD
Fan Rotation	-	CCW
Motor RPM	-	DD
System SetPt	-	HIGH
RL Voltage	-	119
RL Amperage	-	0.3
Total ESP	0.30"	NA
Fan Inlet SP	-	NA
Fan Discharge SP	-	ATMO

Completed By: Jearod Ferrette on 09/16/2025

### Unit Data - PHOTO LOG



09/16/2025

# National TAB

Project: 09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)



## System/Unit: FAN - Supply

Asset: MAU1

AREA: KITCHEN HD

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	A1-D.250G10	A1-D.250G10
Serial Num	-	7244619
Type	MAU	MAU
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	Actual
Motor MFG	-	WEG
Frame	-	56H
Horsepower	-	1.5
Motor Rpm	-	1760
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	4.2
Service Factor	-	1.15

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

Test Data		
	Design	Actual
CFM	1735	1692
SF RPM	-	NA
Motor RPM	-	NA
SF System SetPt	-	NA
RL Voltage	-	NA
RL Amperage	-	NA
Fan Discharge SP	-	ATMO

General	
	Actual
Fan Rotation Correct	CW

Completed By: Jearod Ferrette on 09/16/2025

### Unit Data - PHOTO LOG



09/15/2025

# National TAB

Project: 09-15-25 CAVA KNOXVILLE, TN (CUMBERLAND AVE)



## System/Unit: Kitchen Hood Type I

Asset: HD1

AREA: KITCHEN HD

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	6030ND-2-ACPSP-F	6030ND-2-ACPSP-F
Job / Serial Num	-	7244619
Type	TYPE I CANOPY	TYPE I CANOPY
Hood length	139"	139"
Hood Width	57"	57"
Supply Plenum Type	-	ACPSP
Supply Plenum Width	12"	12"
Supply Plenum Length	139"	139"

Test Data Supply		
	Design	Actual
Total Area	11.58	11.58
Kv factor (Vel)	0.87	0.87
Num of Readings	-	8
Reading1 FPM	-	131
Reading2 FPM	-	132
Reading3 FPM	-	141
Reading4 FPM	-	159
Reading5 FPM	-	181
Reading6 FPM	-	190
Reading7 FPM	-	198
Reading8 FPM	-	209
Ave FPM(corr)	-	168
CFM	1735	1692

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO	CAPTRATE SOLO
Filter Size 1	16X20	16X20
Filter Qty 1	8	8
Filter AK factor size 1	2.08	2.08
Filter Total AK Area	16.64	16.64
Filter1 FPM	-	119
Filter2 FPM	-	128
Filter3 FPM	-	145
Filter4 FPM	-	144
Filter5 FPM	-	148
Filter6 FPM	-	142
Filter7 FPM	-	121
Filter8 FPM	-	114
Filter Ave FPM(corr)	-	133
CFM	2317	2213

Cooking Equipment	
	Actual
Item 1	OVEN
Item 2	FIRE GRILL
Item 3	STOVE
Item 4	FRYER

Completed By: Jearod Ferrette on 09/15/2025

## Unit Data - PHOTO LOG



09/15/2025



PROPOSED 18"X18" ACCESS PANEL

24" CLEAR LEFT AND RIGHT PROPOSED ACCESS PANELS DIFFUSER WITH MOUNTING TO ACT AS ACCESS PANEL AND 18"X18" ACCESS PANEL