

**Report By:**

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



**Report: PopUp Evaluation**  
**Function: Test, Adjust, & Balance**  
**Date: 03/19/2025**  
**Completed By: National TAB**

# PROJECT

## 03-10-25 POPUP EVAL COLUMBUS NY, NY

388 COLUMBUS AVE

NEW YORK, NY

**Client**

C&T DESIGN  
4025 PORT UNION RD.  
FAIRFIELD, OH 45014

# National TAB

Project: 03-10-25 POPUP EVAL COLUMBUS NY, NY

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## CheckList List

- Site Evaluation Pictures





03/13/2025



03/13/2025

picture of the oven area & boiling pot area

Comment:



03/13/2025



03/13/2025

picture of the exterior louvers outside where each exhaust & outside air is provided

Comment:



03/13/2025



03/13/2025



03/13/2025

Go to electrical breaker panel(s) for the space & take picture of front of panel, then open door & take picture of breakers & then the inside cover of the door (tags)

Comment:



03/13/2025



03/13/2025



03/13/2025

Pictures of AHU Unit

Comment:



03/13/2025



03/13/2025



03/13/2025

Picture of hood exhaust fan

Comment:



03/13/2025



03/13/2025

Picture of Outside air Fan

Comment:



03/13/2025



03/13/2025



03/13/2025

Picture of Scrubber (Odor Control Unit) between hood & fan.

Comment:



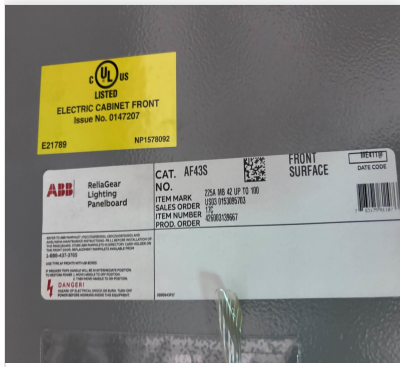
03/13/2025



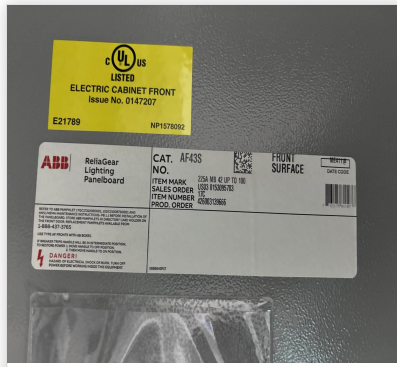
03/13/2025

Additional Electrical pictures (labels on Panels)

Comment:



03/13/2025



03/13/2025

**Additional pictures of AHU's, Thermostats**

**Comment:**



03/13/2025



03/13/2025



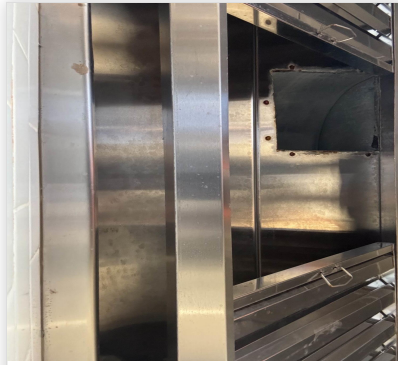
03/13/2025

**Add any pictures of any deficiencies or other visual items.**

**Comment:**



03/13/2025



03/13/2025



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**Misc Pics (louver inlet)**

**Comment:**



03/13/2025



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Project: 03-10-25 POPUP EVAL COLUMBUS NY, NY

## System/Unit: Heat Pump



Asset: HP1

AREA:COOKING/RETAIL

Unit Data		
	Design	Actual
Unit MFG	Existing	INTERNATIONAL COMFORT PRODUCTS
Model Num	Existing	FAS120MAAA0A0AA
Serial Num	-	U220900365
Type	-	HEAT PUMP
Configuration	INLINE-HORIZONTAL	INLINE-HORIZONTAL
Num Filters Size 1	-	NONE
Filter Size 1	-	NONE

Motor Data		
	Design	Actual
Horsepower	-	NA
Phase	-	NA
Voltage	-	NA
Amperage	-	NA

Test Data		
	Design	Actual
SA CFM	3560	2640
RL Voltage	-	206.6/207.9/207.2
RL Amperage	-	2.86/2.9/2.97
RA CFM	2560	2340
OA CFM	1000	300

Performance Data		
	Design	Actual
Suction ESP	-	-0.02"
Discharge ESP	-	0.062"
Total ESP	-	0.082"

Completed By: Ryan Smith on 03/14/2025

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Project: 03-10-25 POPUP EVAL COLUMBUS NY, NY

## System/Unit: FAN - Exhaust



Asset: EF1

AREA: COOKING EXHAUST

Unit Data		
	Design	Actual
MFG	Cook	Cook
Model Num	120SQN-B	120SQN-B
Serial Num	-	NA
Type	INLINE	INLINE
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	Actual
Horsepower	-	NA
Motor Rpm	1725	NA
Phase	1	NA
Voltage (rated)	208	NA
Amperage (rated)	-	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

Test Data		
	Design	Actual
CFM	900	884
Fan RPM	-	NA
Fan Rotation	-	GOOD
RL Voltage	208	NA
RL Amperage	8.8	NA
Suction ESP	-	-1.03"
Discharge ESP	-	ATM
Design Total ESP	-	

Completed By: Ryan Smith on 03/14/2025

Notes:  
Motor panel was cemented into duct joint. Unit, motor, and drive data not accessible.

Written By: Ryan Smith on 03/14/2025

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Project: 03-10-25 POPUP EVAL COLUMBUS NY, NY

## System/Unit: FAN - Exhaust



Asset: EF2

AREA:BATHROOM

Unit Data		
	Design	Actual
MFG	Existing	Existing
Model Num	Existing	Existing

Test Data		
	Design	Actual
CFM	50	122

Motor Data		
	Design	Actual
Phase	-	NA
Voltage (rated)	120	NA
Amperage (rated)	-	NA

Completed By: Ryan Smith on 03/14/2025

**Notes:**

There are actually 2 bathrooms. One on the main floor and one in the basement office. Each has it's own in line fan that feeds into the same exhaust duct. I combined the totals from both bathrooms on the Actual Test Data.

The staff at this location informed me they are going to convert the main floor bathroom into a trash room.

Written By: Ryan Smith on 03/14/2025

# National TAB

Project: 03-10-25 POPUP EVAL COLUMBUS NY, NY

## System/Unit: FAN - Supply



Asset: SF1

AREA:OA FAN-AHU

Unit Data		
	Design	Actual
MFG	Greenheck	NA
Model Num	SQ-120-VG	NA
Serial Num	-	NA
Type	INLINE	INLINE
Configuration	HORIZONTAL	HORIZONTAL

Test Data		
	Design	Actual
CFM	1000	300
RL Voltage	115	NA
RL Amperage	6.6	NA
Total ESP	-	0.50"
Fan Discharge SP	-	0.28"

Motor Data		
	Design	Actual
Horsepower	-	NA
Phase	1	NA
Voltage (rated)	115	NA
Amperage (rated)	-	NA

Completed By: Ryan Smith on 03/14/2025

Notes:  
OA fan was bolted inside a box that prevented me from getting unit and motor data.

Written By: Ryan Smith on 03/14/2025

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Project: 03-10-25 POPUP EVAL COLUMBUS NY, NY

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	HOODMART	HOODMART
Model Num	TypeII/Cond Series	TypeII/Cond Series
Job / Serial Num	-	176238
Type	Type 2 Exh Only	Type 2 Exh Only
Hood length	60	60"
Hood Width	48"	48"

Test Data Exhaust		
	Design	Actual
Filter Type	-	BAFFLE
Filter Size 1	-	25 X 20
Filter Qty 1	-	3
Filter AK factor size 1	-	3.18
Filter Total AK Area	-	9.53
CFM	-	174

Cooking Equipment	
	Actual
Item 1	QTY (3) BOIL POTS

Completed By: Ryan Smith on 03/14/2025

Notes:

There is a gap behind the filter bottom rail, invalidating filter velocity measurements. So I removed all filters and pressed a flow hood directly onto the hood duct. Traverses of total exhaust and the oven branch validated my flow hood measurement.

Written By: Ryan Smith on 03/14/2025