

# National TAB

Project: 06-03-24 CULVERS JACKSONVILLE, FL

## System/Unit: AHU/RTU



Asset: RTU1

AREA: DINING ROOM

Unit Data		
	Design	Actual
MFG	ACCUREX CAPTIVEAIRE	CAPTIVE AIRE
Serial Num	-	6048342
Model Num	NA	CASRTU3- E.602-24-20T
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	4
OA Filter Size 1	-	16X25X2
Num Final Filter 1	-	8
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	Actual
Motor MFG	-	TECO WESTINGHOUSE
Frame	-	215T
Horsepower	-	10
Motor Rpm	-	1755
Phase	3	3
Rated Voltage	208	230/460
Rated Amperage	-	24.3/12.2

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

Test Data		
	Design	Actual
SF CFM	6150	
SF RPM	52Hz	
RA CFM	4400	
OA CFM	1750	
RL Voltage	-	209/211/209
RL Amperage	-	23.2 VFD
SF Rotation	-	CCW
RA Damper Position	-	4.7V
Min OA Damper Position	-	5.3V
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
Fan Suction SP	-	-1.81"
Fan Discharge SP	-	0.77"
Fan Total SP	-	

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

Notes:  
RTU VIBRATION WHEN RUNNING IN HIGH SPEED.

Written By: Stephen Tassinaro on 06/04/2024

# National TAB

Project:06-03-24 CULVERS JACKSONVILLE, FL

## AHU/RTU



### Diffuser Supply (GRD)

#### RTU1/DINING ROOM

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU1-SGRD1	ENTRY	SD-1	8"	150					-
RTU1-SGRD2	DINING	SD-3	8"	150					-
RTU1-SGRD3	DINING	SD-1	8"	150					-
RTU1-SGRD4	DINING	SD-1	8"	150					-
RTU1-SGRD5	DINING	SD-1	8"	150					-
RTU1-SGRD6	DINING	SD-1	8"	150					-
RTU1-SGRD7	DINING	SD-1	8"	150					-
RTU1-SGRD8	DINING	SD-1	8"	150					-
RTU1-SGRD9	DINING	SD-1	8"	150					-
RTU1-SGRD10	DINING	SD-1	8"	150					-
RTU1-SGRD11	DINING	SD-1	8"	150					-
RTU1-SGRD12	DINING	SD-1	8"	150					-
RTU1-SGRD13	DINING	SD-1	8"	150					-
RTU1-SGRD14	DINING	SD-1	8"	150					-
RTU1-SGRD15	DINING	SD-1	8"	150					-
RTU1-SGRD16	DINING	SD-1	10"	300					-
RTU1-SGRD17	DRIVE-THRU	SD-1	8"	150					-
RTU1-SGRD18	SUNDAE	SD-1	12"	500					-
RTU1-SGRD19	OFFICE	SD-1	12"	200					-
RTU1-SGRD20	CUST. SERVICE	SD-1	12"	450					-
RTU1-SGRD21	CUST. SERVICE	SD-1	10"	350					-
RTU1-SGRD22	CUST. SERVICE	SD-1	10"	350					-
RTU1-SGRD23	CUST. SERVICE	SD-1	10"	350					-
RTU1-SGRD24	CUST. SERVICE	SD-1	10"	350					-
RTU1-SGRD25	DINING	SD-1	12"	150					-
RTU1-SGRD26	HALL	SD1	12"	450					-
RTU1-SGRD27	RESTROOM	SD-4	8"	150					-
RTU1-SGRD28	RESTROOM	SD-3	8"	150					-
Total				6150		0	0	0	0%

# National TAB

Project: 06-03-24 CULVERS JACKSONVILLE, FL

## System/Unit: AHU/RTU



Asset: RTU2

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	ACCUREX CAPTIVEAIRE	CAPTIVE AIRE
Serial Num	-	6048342
Model Num	NA	CASRTU3- E.452-24-20T
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	4
OA Filter Size 1	-	16X25X2
Num Final Filter 1	-	8
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	Actual
Motor MFG	-	TECO WESTINGHOUSE
Frame	-	215T
Horsepower	-	10
Motor Rpm	-	1755
Phase	3	3
Rated Voltage	208	230/460
Rated Amperage	-	24.3/12.2

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

Test Data		
	Design	Actual
SF CFM	6150	
SF RPM	58Hz	
RA CFM	4450	
OA CFM	1700	
RL Voltage	-	209/210/209
RL Amperage	-	26.6 VFD
SF Rotation	-	CCW
RA Damper Position	-	5.1V
Min OA Damper Position	-	4.9V
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
Fan Suction SP	-	-2.43"
Fan Discharge SP	-	1.04"
Fan Total SP	-	

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

# National TAB

Project:06-03-24 CULVERS JACKSONVILLE, FL

## AHU/RTU



### Diffuser Supply (GRD)

#### RTU2/KITCHEN

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU2-SGRD1	SUNDAE	SD-1	12"	600	1				-
RTU2-SGRD2	SUNDAE	SD-1	12	600	1				-
RTU2-SGRD3	KITCHEN	SD-1	10	200	1				-
RTU2-SGRD4	KITCHEN	SD-1	12"	375	1				-
RTU2-SGRD5	KITCHEN	SD-5	12"	400	1				-
RTU2-SGRD6	KITCHEN	SD5	12"	400	1				-
RTU2-SGRD7	KITCHEN	SD-5	10"	250	1				-
RTU2-SGRD8	KITCHEN	SD-5	10"	275	1				-
RTU2-SGRD9	TOILET	SD-1	8"	75	1				-
RTU2-SGRD10	KITCHEN	SD-5	8"	125	1				-
RTU2-SGRD11	KITCHEN	SD-5	12"	350	1				-
RTU2-SGRD12	KITCHEN	SD-1	12"	350	1				-
RTU2-SGRD13	KITCHEN	SD-5	12"	350	1				-
RTU2-SGRD14	DRY GOODS	SD-1	12"	600	1				-
RTU2-SGRD15	DRY GOODS	SD-1	12"	600	1				-
RTU2-SGRD16	DRY GOODS	SD-1	12"	600	1				-
Total				6150		0	0	0	0%

# National TAB

Project: 06-03-24 CULVERS JACKSONVILLE, FL

## System/Unit: FAN - Exhaust



Asset: EF1

AREA:MOP ROOM

Unit Data		
	Design	Actual
MFG	ACCUREX	BROAN
Model Num	XCR-B80	N/L
Serial Num	-	N/L
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	75	68
Fan RPM	885	DD
Fan Rotation	-	CORRECT
Motor RPM	-	DD
System SetPt	-	WIRED DIRECT
RL Voltage	-	120
RL Amperage	-	0.1

Motor Data		
	Design	Actual
Motor MFG	-	[1]
Frame	-	N/L
Horsepower	-	N/L
Motor Rpm	1	N/L
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	N/L
Service Factor	-	N/L

Completed By: Stephen Tassinaro on 06/04/2024

Notes:

[1] MOTOR LABEL REMOVED. UNABLE TO RETRIEVE DATA.

Written By: Stephen Tassinaro on 06/04/2024

# National TAB

Project: 06-03-24 CULVERS JACKSONVILLE, FL

System/Unit: FAN - Exhaust



Asset: PRV1

AREA:

Unit Data		
	Design	Actual
MFG	ACCUREX	CAPTIVE AIRE
Model Num	XRED-090-VG	DR12HFA
Serial Num	-	6048342
Type	CENTRIFUGAL	CENTRIFUGAL
Configuration	VERTICAL	DOWNBLAST

Motor Data		
	Design	Actual
Motor MFG	-	TELCO GREEN
Frame	-	42 EC
Horsepower	-	0.25
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	2.9
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	375	374
Fan RPM	1465	897
Fan Rotation	-	CCW
Motor RPM	-	897
System SetPt	-	48P
Total ESP	0.5"	0.13"
Fan Inlet SP	-	-0.13"

Completed By: Stephen Tassinaro on 06/04/2024

# National TAB

Project:06-03-24 CULVERS JACKSONVILLE, FL

## FAN - Exhaust



### Diffuser Ret/Exh (GRD)

#### PRV1/

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	M.RR	EG1	8X8	150	1	174	140	140	93.3
EGRD2	W.RR	EG1	8X8	150	1	191	154	154	102.7
EGRD3	TOILET	EF1	8X8	75	1	99	80	80	106.7
Total				375		464	374	374	99.73%

Completed By: Stephen Tassinaro on 06/03/2024

# National TAB

Project: 06-03-24 CULVERS JACKSONVILLE, FL

## System/Unit: FAN - Exhaust



Asset: PRV2

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	ACCUREX	CAPTIVE AIRE
Model Num	XRUX-160XP-15	DU85HFA
Serial Num	-	6048342
Type	UPBLAST	CENTRIFUGAL
Configuration	VERTICAL	UPBLAST

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

Drive Data		
	Design	Actual
Motor Sheave Size	-	DD
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	

Test Data		
	Design	Actual
CFM	1500	1499
Fan RPM	2411	
Fan Rotation	-	CCW
Motor RPM	-	
RL Voltage	-	209/210/209
RL Amperage	-	2.4 VFD
Suction ESP	-	INACCESSIBLE
Discharge ESP	-	ATM

# National TAB

Project: 06-03-24 CULVERS JACKSONVILLE, FL

System/Unit: FAN - Exhaust



Asset: PRV3

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	ACCUREX	CAPTIVE AIRE
Model Num	XRUB-140-7	DU85HFA
Serial Num	-	6048342
Type	UPBLAST	CENTRIFUGAL
Configuration	VERTICAL	UPBLAST

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

Drive Data		
	Design	Actual
Motor Sheave Size	-	DD
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	

Test Data		
	Design	Actual
CFM	1500	1366
Fan RPM	1377	
Fan Rotation	-	CCW
Motor RPM	-	
RL Voltage	-	209/210/211
RL Amperage	-	1.97 VFD
Suction ESP	-	INACCESSIBLE
Discharge ESP	-	ATM

# National TAB

Project: 06-03-24 CULVERS JACKSONVILLE, FL

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	ACCUREX	CAPTIVE AIRE
Model Num	XGEP-64-S	3347 BD-2
Job / Serial Num	-	6048342
Type	TYPE I	TYPE I CANOPY
Hood length	64"	66"
Hood Width	23"	33"

Test Data Exhaust		
	Design	Actual
Filter Type	BAFFLE	BAFFLE
Filter Size 1	16X16	16X16
Filter Qty 1	4	4
Filter AK factor size 1	1.62	1.62
Filter Total AK Area	6.48	6.48
Filter1 FPM	-	240
Filter2 FPM	-	221
Filter3 FPM	-	223
Filter4 FPM	-	241
Filter Ave FPM(corr)	-	231
CFM	1500	1499

Cooking Equipment		
	Design	Actual
Item 1	-	GRILL
Item 2	-	GRILL

Completed By: Stephen Tassinaro on 06/04/2024

# National TAB

Project: 06-03-24 CULVERS JACKSONVILLE, FL

## System/Unit: Kitchen Hood Type I



Asset: HD2

AREA:

### Unit Data

	Design	Actual
MFG	ACCUREX	CAPTIVE AIRE
Model Num	XXEP-83-S	3347 BD-2
Job / Serial Num	-	6048342
Type	TYPE I	TYPE I CANOPY
Hood length	83"	83"
Hood Width	23"	33"

### Test Data Exhaust

	Design	Actual
Filter Type	BAFFLE	BAFFLE
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	-	162
Filter2 FPM	-	162
Filter3 FPM	-	188
Filter4 FPM	-	171
Filter5 FPM	-	160
Filter Ave FPM(corr)	-	168.6
CFM	1500	1366

### Cooking Equipment

	Design	Actual
Item 1	-	FRYER
Item 2	-	FRYER

Completed By: Stephen Tassinaro on 06/04/2024

## CheckList List

- SITE PICTURES
- TECH - STEP 1: INITIAL WALKTHROUGH
- TECH - STEP 2: UNIT DATA AND EVALUATION
- TECH - STEP 3: TEST, ADJUST AND BALANCE
- TECH - STEP 4: FINAL TESTS
- TECH - STEP 5: FINAL DOCUMENTATION



HOOD 1

**Comment:**

HOOD 2

**Comment:**

PRODIGY BOARD WIRING

**Comment:**



## 06-03-24 CULVERS JACKSONVILLE, FL

### CheckList Information

**Name :** TECH - STEP 1: INITIAL WALKTHROUGH      **Status :** Not Completed  
**Assigned Organization :** National TAB      **Asset :**  
**Requesting Organization :** National TAB  
**Created Date :** 06/02/2024 - Wale Odofin - National TAB

### CheckList Item Details

#### INITIAL SITE WALKTHROUGH

All diffusers and grilles are installed and match design?      Yes

**Comment:**

Perforated diffusers are installed on the cook line? (4-ways will disrupt hood capture)      Yes

**Comment:**

All hood filters installed and accounted for?      Yes

**Comment:**

Hoods are wired and have power?      Yes

**Comment:**

Thermostats have power?      Yes

**Comment:**

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

**Comment:**

YES



## 06-03-24 CULVERS JACKSONVILLE, FL

### CheckList Information

**Name :** TECH - STEP 2: UNIT DATA AND EVALUATION **Status :** Not Completed

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

**Requesting Organization :** National TAB

**Created Date :** 06/02/2024 - Wale Odofin - 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:

Thermostat wire run from OCP on the RTU to the Ec terminal at the thermostat? If no, jumper can be installed from R to OCP temporarily. (The economizers will not open without OCP being energized.) N/A

##### Comment:

Motors are all operating below the FLA rating? Yes

##### Comment:

Are belts tight?

##### Comment:

N/A - DIRECT DRIVE

If direct drive unit is the speed controller working.

##### Comment:

YES

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:**

N/A - DIRECT DRIVE

Grease cup installed on hood fan?

Yes

**Comment:**

Hinge kit installed installed on hood fan?

Yes

**Comment:**

Lean grease rated fans 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:**

NO LEAKAGE FOUND

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? Yes

**Comment:**

Unit free of noticeable noise and vibration? Yes

**Comment:**

The hood exhaust fans are installed in correct positions and are not switched? Yes

**Comment:**

**HOODS**

Kitchen equipment installed in proper places? Yes

**Comment:**

Can kitchen equipment be turned on for final smoke test? N/A

**Comment:**

EQUIPMENT NOT TURNED ON FOR TESTING

Second stage Grease Grabber filters are installed on the griddle hood? N/A

**Comment:**

N/A - CAPTIVE AIRE HOODS USE SINGLE STAGE OF FILTERS

**DOCUMENTATION**

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

**Comment:**



### 06-03-24 CULVERS JACKSONVILLE, FL

#### CheckList Information

**Name :** TECH - STEP 3: TEST, ADJUST AND BALANCE      **Status :** Not Completed  
**Assigned Organization :** National TAB      **Asset :**  
**Requesting Organization :** National TAB  
**Created Date :** 06/02/2024 - Wale Odofin - 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:**

N/A



## 06-03-24 CULVERS JACKSONVILLE, FL

### CheckList Information

**Name :** TECH - STEP 4: FINAL TESTS      **Status :** Not Completed  
**Assigned Organization :** National TAB      **Asset :**  
**Requesting Organization :** National TAB  
**Created Date :** 06/02/2024 - Wale Odofin - National TAB

### CheckList Item Details

#### FINAL TESTS

#### HOOD CAPTURE TEST

List equipment turned on for testing

**Comment:**

NONE

List smoke candle type used

**Comment:**

45S SMOKE EMITTER

Smoke test capture - Perimeter of hood

**Comment:**

100%

Smoke test capture - Top of cooking surface

**Comment:**

100%

#### WITNESS

Date test was completed

06/04/2024

**Comment:**

TAB tech name / Firm

**Comment:**

STEPHEN TASSINARO / NTI

Site super name / Firm

**Comment:**

N/A

Owner representative name / Firm (if Applicable)

**Comment:**

N/A

Building pressure at front & back doors (All Systems On)

**Comment:**

+0.004" / +0.003"

**ADDITIONAL**

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

**Comment:**

Thermostats are programmed?

Yes

**Comment:**

**PRODIGY SETTINGS FOR RTU'S**

Parameter 65 set to 0

N/A

**Comment:**

Parameter 78 set to 0

N/A

**Comment:**

Parameter 105 set to 6

N/A

**Comment:**

Parameter 156 set to 70 (Dining unit only)

N/A

**Comment:**

---

Parameter 156 set to 65 (Kitchen Unit Only)

N/A

---

**Comment:**

---

Parameter 170 set to 75 (Dining Unit Only)

N/A

---

**Comment:**

---

Parameter 170 set to 70 (Kitchen Unit Only)

N/A

---

**Comment:**

---

Parameter 131 set to the same % as OA minimum position?

N/A

---

**Comment:**

---

Parameter 117 set to the same % as OA minimum position?

N/A

---

**Comment:**

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## 06-03-24 CULVERS JACKSONVILLE, FL

### CheckList Information

**Name :** TECH - STEP 5: FINAL DOCUMENTATION      **Status :** Not Completed  
**Assigned Organization :** National TAB      **Asset :**  
**Requesting Organization :** National TAB  
**Created Date :** 06/02/2024 - Wale Odofin - National TAB

### CheckList Item Details

#### FINAL DOCUMENTATION

Marked Data capture complete for all assets?

**Comment:**

Picture file sent to processing team or uploaded?

**Comment:**

Balance schedule complete and uploaded?

**Comment:**

Prelim report generated and reviewed?

**Comment:**