

CheckList List

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



RTU1
03/27/2024

RTU-2

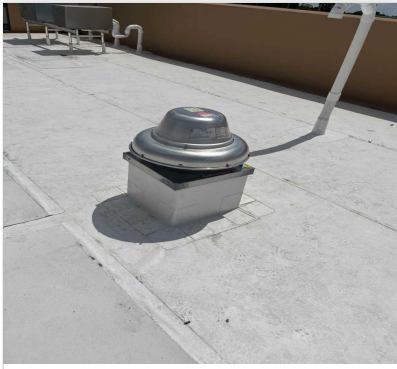
Comment:



RTU2
03/27/2024

PRV-1

Comment:



PRV1
03/27/2024

PRV-2

Comment:



PRV2
03/27/2024

PRV-3

Comment:



PRV3
03/27/2024

EF-1A

Comment:



EFA1
03/27/2024

HOOD 1

Comment:



Hood1
03/27/2024

HOOD 2

Comment:



Hood2
03/27/2024



04-01-24 CULVERS-ARCADIA, FL

CheckList Information

Name : TECH - STEP 1: INITIAL WALKTHROUGH **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 03/21/2024 - 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



04-01-24 CULVERS-ARCADIA, FL

CheckList Information

Name : TECH - STEP 2: UNIT DATA AND EVAL **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 03/21/2024 - 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

If direct drive unit is the speed controller working.

Comment:

YES

Is gas piping installed and valves turned on? N/A

Comment:

Unit free of noticeable noise and vibration

Yes

Comment:

EF's

Rotation is correct?

Yes

Comment:

Belts are tight?

Comment:

Grease cup installed on hood fan?

Yes

Comment:

Hinge kit installed installed on hood fan?

Yes

Comment:

Lean 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?

No

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?

N/A

Comment:

BACKDRAFT DAMPER INSTALLED BY MC DURING TAB. FAN NOT RUNNING TO DETERMINE FUNCTIONALITY.

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:

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

N/A

Comment:

DOCUMENTATION

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

Yes

Comment:



04-01-24 CULVERS-ARCADIA, 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 : 03/21/2024 - 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
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Comment:

Is space comfortable in all areas?	Yes
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Comment:

Is the space free of ventilation noise?	Yes
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Comment:

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

Comment:

Outside air was increased on each DOAS per Captive Aire to assist total airflow. Building pressure remains appropriate.



04-01-24 CULVERS-ARCADIA, FL

CheckList Information

Name : TECH - STEP 4: FINAL TESTS **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 03/21/2024 - Wale Odofin - National TAB

CheckList Item Details

FINAL TESTS

HOOD CAPTURE TEST

List equipment turned on for testing

Comment:

Fryers

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

03/26/2024

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:

+0.0147"

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:

Yes

Thermostats are programmed?

Yes

Comment:

PRODIGY SETTINGS FOR RTU'S

Parameter 65 set to 0

N/A

Comment:

N/A - These settings apply to Lennox Prodigy Boards

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:



04-01-24 CULVERS-ARCADIA, FL

CheckList Information

Name : TECH - STEP 5: FINAL DOCUMENTATION **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 03/21/2024 - Wale Odofin - National TAB

CheckList Item Details

FINAL DOCUMENTATION

Marked Data capture complete for all assets? Yes

Comment:

Picture file sent to processing team or uploaded? Yes

Comment:

Balance schedule complete and uploaded? Yes

Comment:

Prelim report generated and reviewed? Yes

Comment:

National TAB

Project: 04-01-24 CULVERS-ARCADIA, FL

System/Unit: AHU/RTU



Asset: RTU1

AREA:DINING

Unit Data		
	Design	Actual
MFG	LENNOX	CAPTIVE AIRE
Serial Num	-	6092571
Model Num	ENLIGHT	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

Test Data		
	Design	Actual
SF CFM	6750	6304
SF RPM	1755	1604
RA CFM	4795	4104
OA CFM	1955	2200
RL Voltage	-	210/208/210
RL Amperage	-	24.3 VFD
SF Rotation	-	CCW
RA Damper Position	-	3.9 V
Min OA Damper Position	-	6.1 V
Min OA Damper Type	-	ECONOMIZER

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

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.08"
Fan Suction SP	-	-2.30"
Fan Discharge SP	-	0.88"
Total ESP	0.75"	0.96"
Fan Total SP	-	3.18"

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

General		
	Design	Actual
Fan Rotation Correct	-	YES
Unit Filters Clean	-	NO
Condensate Drain Installed	-	YES

Completed By: Stephen Tassinaro on 03/26/2024

Notes:

Due to 16-20MPH winds, outside air could not accurately be read on the rooftop. OA CFM reading was determined via building pressure. // OA increased per Captive Aire rep to assist in increasing SF CFM.

Written By: Stephen Tassinaro on 03/27/2024

National TAB

Project:04-01-24 CULVERS-ARCADIA, FL

AHU/RTU



Diffuser Supply (GRD)

RTU1/DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	ENTRY	SD3	8"	150	1	164	156	156	104.0
SGRD2	DINING	SD1	8"	150	1	169	152	152	101.3
SGRD3	DINING	SD1	8"	150	1	139	136	136	90.7
SGRD4	DINING	SD1	8"	150	1	101	154	154	102.7
SGRD5	DINING	SD1	8"	150	1	150	161	161	107.3
SGRD6	DINING	SD1	8"	150	1	152	162	162	108.0
SGRD7	DINING	SD1	8"	150	1	162	157	157	104.7
SGRD8	DINING	SD1	8"	150	1	137	153	153	102.0
SGRD9	DINING	SD1	8"	150	1	137	153	153	102.0
SGRD10	DINING	SD1	8"	150	1	147	162	162	108.0
SGRD11	DINING	SD1	8"	150	1	147	159	159	106.0
SGRD12	DINING	SD1	8"	150	1	142	152	152	101.3
SGRD13	DINING	SD1	8"	150	1	153	154	154	102.7
SGRD14	DINING	SD1	8"	150	1	129	138	138	92.0
SGRD15	DINING	SD1	8"	150	1	146	157	157	104.7
SGRD16	DINING	SD1	8"	150	1	136	148	148	98.7
SGRD17	DINING	SD1	8"	150	1	136	148	148	98.7
SGRD18	DINING	SD1	8"	150	1	95	152	152	101.3
SGRD19	DINING	SD1	8"	150	1	135	153	153	102.0
SGRD20	DRINKS	SD1	10"	300	1	303	272	272	90.7
SGRD21	ENTRY	SD1	8"	150	1	230	141	141	94.0
SGRD22	SUNDAE	SD1	12"	500	1	306	371	371	74.2
SGRD23	OFFICE	SD1	8"	200	1	99	202	202	101.0
SGRD24	CUS.ORDER	SD1	12"	450	1	350	411	411	91.3
SGRD25	CUS. SREV.	SD1	10"	350	1	226	257	257	73.4
SGRD26	CUS. SREV.	SD1	10"	350	1	232	271	271	77.4
SGRD27	CUS. SREV.	SD1	10"	350	1	215	245	245	70.0
SGRD28	CUS. SREV.	SD1	10"	350	1	274	332	332	94.9
SGRD29	HALL	SD1	8"	150	1	201	142	142	94.7
SGRD30	HALL	SD1	12"	450	1	361	445	445	98.9
SGRD31	M. RR	SD4	8"	150	1	115	156	156	104.0
SGRD32	W. RR	SD4	8"	150	1	164	152	152	101.3
Total				6750		5753	6304	6304	93.39%

Completed By: Stephen Tassinaro on 03/26/2024

National TAB

Project: 04-01-24 CULVERS-ARCADIA, FL

System/Unit: AHU/RTU



Asset: RTU2

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	LENNOX	CAPTIVEAIRE
Serial Num	-	6092571
Model Num	ENLIGHT	CASTU3-E.302-24-20T
Type	RTU	DOAS
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	4
OA Filter Size 1	-	16x25x2
Num Final Filter 1	-	8
Final Filter Size 1	-	20x25x2

Test Data		
	Design	Actual
SF CFM	6150	5327
SF RPM	-	1784
RA CFM	4655	3527
OA CFM	1495	1800
RL Voltage	-	209/208/209
RL Amperage	-	24.3 VFD
SF Rotation	-	CCW
RA Damper Position	-	4.0 V
Min OA Damper Position	-	6.0 V
Min OA Damper Type	-	ECONOMIZER

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

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.48"
Fan Suction SP	-	-2.31"
Fan Discharge SP	-	0.86"
Total ESP	0.75	1.34"
Fan Total SP	-	3.17"

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

General		
	Design	Actual
Fan Rotation Correct	-	YES
Unit Filters Clean	-	NO
Condensate Drain Installed	-	YES

Completed By: Stephen Tassinaro on 03/26/2024

Notes:

Due to 16-20MPH winds, outside air could not accurately be read on the rooftop. OA CFM reading was determined via building pressure. // OA increased per Captive Aire rep to assist in increasing SF CFM.

Written By: Stephen Tassinaro on 03/27/2024

National TAB

Project:04-01-24 CULVERS-ARCADIA, 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
SGRD1	SUNDAE	SD1	12"	600	1	179	394	480	80.0
SGRD2	SUNDAE	SD1	12"	600	1	414	398	510	85.0
SGRD3	KITCHEN	SD5	8"	200	1	238	160	186	93.0
SGRD4	KITCHEN	SD5	10"	375	1	263	241	321	85.6
SGRD5	KITCHEN	SD5	10"	400	1	263	331	381	95.3
SGRD6	KITCHEN	SD5	10"	400	1	316	388	381	95.3
SGRD7	KITCHEN	SD5	10"	250	1	373	213	225	90.0
SGRD8	KITCHEN	SD5	10"	275	1	382	227	235	85.5
SGRD9	TOILET	SD1	6"	125	1	174	66	67	53.6
SGRD10	KITCHEN	SD5	8"	75	1	294	132	109	145.3
SGRD11	KITCHEN	SD5	10"	350	1	284	318	370	105.7
SGRD12	KITCHEN	SD5	10"	350	1	327	309	296	84.6
SGRD13	KITCHEN	SD5	10"	350	1	115	118	111	31.7
SGRD14	UTILITY RM.	SD1	12"	600	1	464	519	601	100.2
SGRD15	DRY GOODS	SD1	12"	600	1	234	333	556	92.7
SGRD16	DRY GOODS	SD1	12"	600	1	543	510	498	83.0
Total				6150		4863	4657	5327	86.62%

Completed By: Stephen Tassinaro on 03/26/2024

Asset	Notes	Date	Written By
SGRD1	Diffusers proportionally balanced to 87% of design.	03/27/2024	Stephen Tassinaro

National TAB

Project: 04-01-24 CULVERS-ARCADIA, FL

System/Unit: FAN - Exhaust



Asset: EFA1

AREA:MOP ROOM

Unit Data		
	Design	Actual
MFG	ACCUREX	BROAN
Model Num	XCR-B80	L100E-A
Serial Num	-	NL
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	75	0
Fan RPM	885	0
Fan Rotation	-	N/A
Motor RPM	-	0
System SetPt	-	WIRED DIRECT
RL Voltage	-	0
RL Amperage	-	0
Total ESP	0.125"	0
Fan Inlet SP	-	0
Fan Discharge SP	-	0

Motor Data		
	Design	Actual
Motor MFG	-	BROAD OCEAN
Frame	-	NL
Horsepower	-	1/155
Motor Rpm	-	705
Phase	1	1
Voltage (rated)	115	120
Amperage (rated)	-	0.3
Service Factor	-	NL

Completed By: Stephen Tassinaro on 03/26/2024

Notes:
FAN NOT WIRED.

Written By: Stephen Tassinaro on 03/26/2024

National TAB

Project: 04-01-24 CULVERS-ARCADIA, FL

System/Unit: FAN - Exhaust



Asset: PRV1

AREA:RESTROOM

Unit Data		
	Design	Actual
MFG	ACCUREX	CAPTIVE AIRE
Model Num	XRED-090-VG	DR12HFA
Serial Num	-	6092571
Type	DOWNBLAST	CENTRIFUGAL
Configuration	VERTICAL	DOWNBLAST

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

Test Data		
	Design	Actual
CFM	375	0
Fan RPM	1465	0
Fan Rotation	-	N/A
Motor RPM	-	0
System SetPt	-	SPEED CONTROLLER
RL Voltage	-	0
RL Amperage	-	0
Total ESP	0.5"	0
Fan Inlet SP	-	0
Fan Discharge SP	-	ATM

Completed By: Stephen Tassinaro on 03/26/2024

Notes:
FAN NOT WIRED.

Written By: Stephen Tassinaro on 03/26/2024

National TAB

Project:04-01-24 CULVERS-ARCADIA, FL

FAN - Exhaust



Diffuser Ret/Exh (GRD)

PRV1/RESTROOM

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	M. RR	EG1	8XX	150	1	0	0	0	0.0
EGRD2	W.RR	EG1	8X8	150	1	0	0	0	0.0
EGRD3	TOILET	EG1	8X8	75	1	0	0	0	0.0
Total				375		0	0	0	0%

Completed By: Stephen Tassinaro on 03/26/2024

National TAB

Project: 04-01-24 CULVERS-ARCADIA, FL

System/Unit: FAN - Exhaust



Asset: PRV2

AREA:HOOD 1

Unit Data		
	Design	Actual
MFG	ACCUREX	CAPTIVE AIRE
Model Num	XCUE-140-VG	DU85HFA
Serial Num	-	6092571
Type	UPBLAST	CENTRIFUGAL
Configuration	VERTICAL	UPBLAST

Motor Data		
	Design	Actual
Motor MFG	-	TELCO INTERCON
Frame	-	48
Horsepower	-	1
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	11.6
Service Factor	-	Not Listed

Test Data		
	Design	Actual
CFM	1500	1542
Fan RPM	1702	1173
Fan Rotation	-	CCW
Motor RPM	-	1173
System SetPt	-	58P
RL Voltage	-	120 V
RL Amperage	-	5.3
Total ESP	1.80"	0.61"
Fan Inlet SP	-	-0.61"
Fan Discharge SP	-	ATM

Completed By: Stephen Tassinaro on 03/26/2024

National TAB

Project: 04-01-24 CULVERS-ARCADIA, FL

System/Unit: FAN - Exhaust



Asset: PRV3

AREA:HOOD 2

Unit Data		
	Design	Actual
MFG	ACCUREX	CAPTIVE AIRE
Model Num	XCUE-140-VG	DU85HFA
Serial Num	-	6092571
Type	UPBLAST	CENTRIFUGAL
Configuration	VERTICAL	UPBLAST

Motor Data		
	Design	Actual
Motor MFG	-	TELCO GREEN
Frame	-	48
Horsepower	1	1
Motor Rpm	1800	1800
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	11.6
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	1500	1547
Fan RPM	1349	1112
Fan Rotation	-	CCW
Motor RPM	-	1112
System SetPt	-	55
RL Voltage	-	120
RL Amperage	-	4.4
Total ESP	1.00"	0.56"
Fan Inlet SP	-	-0.56"
Fan Discharge SP	-	ATM

Completed By: Stephen Tassinaro on 03/26/2024

National TAB

Project: 04-01-24 CULVERS-ARCADIA, 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	-	6092571
Type	TYPE I CANOPY	TYPE I CANOPY
Hood length	64"	66"
Hood Width	23"	33"

Test Data Exhaust		
	Design	Actual
Filter Type	GREASE GRABBER	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	-	244
Filter2 FPM	-	239
Filter3 FPM	-	224
Filter4 FPM	-	244
Filter Ave FPM(corr)	-	238
CFM	1500	1542

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

Completed By: Stephen Tassinaro on 03/26/2024

National TAB

Project: 04-01-24 CULVERS-ARCADIA, 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	-	6092571
Type	TYPE I	TYPE I CANOPY
Hood length	83"	84"
Hood Width	23"	33"

Test Data Exhaust		
	Design	Actual
Filter Type	XTRACTOR	BAFFLE
Filter Size 1	16X16	16X16
Filter Qty 1	5	5
Filter AK factor size 1	1.62	1.62
Filter Total AK Area	7.65	8.1
Filter1 FPM	-	182
Filter2 FPM	-	192
Filter3 FPM	-	204
Filter4 FPM	-	197
Filter5 FPM	-	180
Filter Ave FPM(corr)	-	191
CFM	1500	1547

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

Completed By: Stephen Tassinaro on 03/26/2024