

Report By:

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



Report: TAB Report
Function: Test, Adjust, & Balance
Date: 06/11/2024

PROJECT
06-03-24 CULVERS JACKSONVILLE, FL

4768 Hodges Blvd

Jacksonville, FL 32224

Client

Captive-Aire Region #60

National TAB

Project: 06-03-24 CULVERS JACKSONVILLE, FL

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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 is further detail 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.

RTU's (Roof Top Units)

Each of the RTU's were measured at their terminal devices or via traverse to establish a total flow for that unit. Each RTU was adjusted to within tolerance of the engineer's design flow. Each outlet was then adjusted to within tolerance of the design flow. Outside air was measured by reading the intake air opening with a velocity grid and multiplying by the free area. 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.

General Exhaust Fans

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

- Diffuser 1-12 Broken Damper
- Diffuser 2-9 Damper Handle Jammed
- EF 1 Missing Hardware
- PRV 2 & 3 Curb / Hinge Assemblies
- RTU 1 Missing Volume Dampers

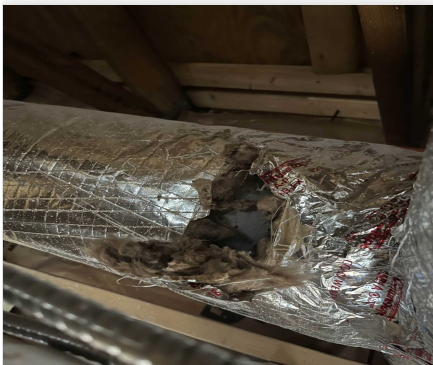


06-03-24 CULVERS JACKSONVILLE, FL

Project Issue Information

Issue Name : Diffuser 1-12 Broken Damper
Description : RTU 1 Diffuser 12 damper handle failed and the damper is stuck in the fully open position. Airflow is 216CFM out of 150CFM design as a result (137%). If comfort issues arise, recommend replacing damper and rebalancing.
Created By : National TAB **Assigned To :** National TAB - Will Turnbough
Status : Open
Priority : High **Asset Tag :**
Originated Date : 06/06/2024 - Stephen Tassinaro - National TAB

Project Issue File Details



Broken_Damper_Handle...
06/11/2024



06-03-24 CULVERS JACKSONVILLE, FL

Project Issue Information

Issue Name : Diffuser 2-9 Damper Handle Jammed
Description : Damper 2-9 damper handle is jammed with mastic and locked in the fully open position. This diffuser was not balanced as a result. Recommend freeing damper from mastic and ensuring it has full range of motion.
Created By : National TAB **Assigned To :** National TAB - Will Turnbough
Status : Open
Priority : Urgent **Asset Tag :**
Originated Date : 06/03/2024 - Stephen Tassinaro - National TAB

Project Issue File Details



Diffuser_Mastic
06/03/2024



06-03-24 CULVERS JACKSONVILLE, FL

Project Issue Information

Issue Name : EF 1 Missing Hardware
Description : EF 1 (Mop Sink Exhaust Fan) is missing some of the hardware to attach the grille cover to the fan. Recommend sourcing and installing hardware.
Created By : National TAB **Assigned To :** National TAB - Will Turnbough
Status : Open
Priority : Low **Asset Tag :**
Originated Date : 06/03/2024 - Stephen Tassinaro - National TAB

Project Issue File Details



EF_1_Hardware
06/03/2024



06-03-24 CULVERS JACKSONVILLE, FL

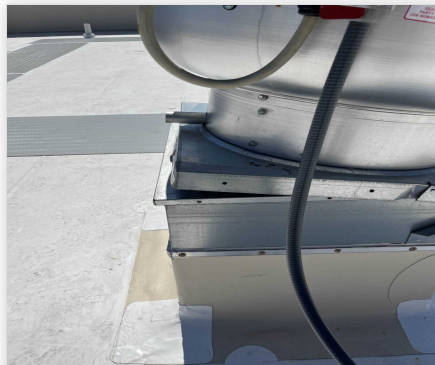
Project Issue Information

Issue Name : PRV 2 & 3 Curb / Hinge Assemblies
Description : PRV 2 nor PRV 3 curb caps fully secured to the curbs. The hinges and fan bases are interfering with the loose caps. Unable to measure static pressures in current conditions.
Created By : National TAB **Assigned To :** National TAB - Will Turnbough
Status : Open
Priority : Urgent **Asset Tag :**
Originated Date : 06/06/2024 - Stephen Tassinaro - National TAB

Project Issue File Details



PRV_2_Damage
06/11/2024



PRV_2_Hinge
06/11/2024



PRV_3_Curb
06/11/2024

Project Issue Response Details

- **06/11/2024 National TAB - Stephen Tassinaro**
 - Grease cups found in motor compartments, both PRV 2 & PRV 3.



Grease_Cups_Not_Installed
06/11/2024



06-03-24 CULVERS JACKSONVILLE, FL

Project Issue Information

Issue Name : RTU 1 Missing Volume Dampers
Description : RTU 1 (Dining) there are 4 dampers that could not be located by NTi. Diffusers 2-7, 2-8, 2-15, and 2-19. There were no flags or handles protruding through the insulation to make any adjustments. The respective diffusers are above design airflow as a result. If comfort issues arise, recommend installing dampers and rebalancing.

Created By : National TAB **Assigned To :** National TAB - Will Turnbough

Status : Open

Priority : High **Asset Tag :**

Originated Date : 06/06/2024 - Stephen Tassinaro - National TAB

Project Issue File Details



Missing_Damper_2_
06/11/2024



Missing_Damper
06/11/2024

Project Issue Response Details

- **06/11/2024 National TAB - Stephen Tassinaro**
 - Pictures Cont.



Missing_Damper_3_
06/11/2024



Missing_Damper_4_
06/11/2024

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
RTU-1	DINING	6150	6136	4400	4429	1750	1707	28.5%	27.8%						
RTU-2	KITCHEN	6150	6275	4450	4587	1700	1688	27.6%	26.9%						
PRV-2	HOOD 1											1500	1499		
PRV-3	HOOD 2											1500	1366		
PRV-1	RESTROOM													375	374
EF-1	MOP ROOM													75	68
TOTALS		12300	12411	8850	9016	3450	3395			0	0	3000	2865	450	442

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	3450	3395
TOTAL EXHAUST	3450	3307
NET AIRFLOW	0	88

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H2O)
FRONT	0.004
SIDE	
REAR	0.003
AVERAGE	0.0035

FINAL CHECKS

- ACTUAL NET AIRFLOW COINCIDES WITH DESIGN: ✓

- MEASURED PRESSURES COINCIDES WITH ACTUAL NET AIRFLOW: ✓

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

NOTES:

CheckList List

- SITE PICTURES



06-03-24 CULVERS JACKSONVILLE, FL

CheckList Information

Name : SITE PICTURES **Status :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 06/02/2024 - Wale Odofin - National TAB
Completed Date : 06/11/2024 - Stephen Tassinaro - National TAB

CheckList Item Details

STORE FRONT

Comment:



STOREFRONT
06/11/2024

RTU-1

Comment:



RTU_1
06/11/2024

RTU-2

Comment:



RTU_2
06/11/2024

PRV-1

Comment:



PRV_1
06/11/2024

PRV-2

Comment:



PRV_2
06/11/2024

PRV-3

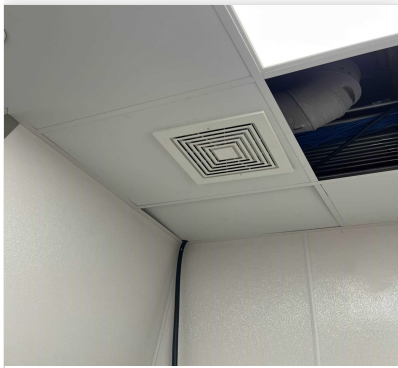
Comment:



PRV_3
06/11/2024

EF-1A

Comment:



EF_1
06/11/2024

HOOD 1

Comment:



HOOD_1
06/11/2024

HOOD 2

Comment:



HOOD_2
06/11/2024

CheckList List

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



06-03-24 CULVERS JACKSONVILLE, FL

CheckList Information

Name : TECH - STEP 1: INITIAL WALKTHROUGH **Status :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 06/02/2024 - Wale Odofin - National TAB
Completed Date : 06/11/2024 - Stephen Tassinaro - 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 :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 06/02/2024 - Wale Odofin - National TAB

Completed Date : 06/11/2024 - Stephen Tassinaro - 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:

N/A - CAPTIVE AIRE UNITS INSTALLED

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?

N/A

Comment:

N/A - ELECTRIC HEAT

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?

No

Comment:

GREASE CUPS NOT INSTALLED. NTi LOCATED GREASE CUPS IN ORIGINAL PACKAGING INSIDE MOTOR COMPARTMENTS.

Hinge kit installed installed on hood fan?

Yes

Comment:

HINGE KITS INSTALLED, BUT DO NOT HINGE BACK SMOOTHLY. DIFFICULT TO RE-ALIGN FANS WHEN SETTING BACK DOWN ON CURB.

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:

GREASE DUCT CURB CAPS NOT SECURED TO CURBS.

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 :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 06/02/2024 - Wale Odofin - National TAB
Completed Date : 06/11/2024 - Stephen Tassinaro - 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 :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 06/02/2024 - Wale Odofin - National TAB
Completed Date : 06/11/2024 - Stephen Tassinaro - 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:

YES

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:

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	-	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

Test Data		
	Design	Actual
SF CFM	6150	6136
SF RPM	52Hz	1521
RA CFM	4400	4429
OA CFM	1750	1707
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	-	2.58"

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

Completed By: Stephen Tassinaro on 06/11/2024

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	1	225	175	147	98.0
RTU1-SGRD2	DINING	SD-3	8"	150	1	219	171	143	95.3
RTU1-SGRD3	DINING	SD-1	8"	150	1	204	171	143	95.3
RTU1-SGRD4	DINING	SD-1	8"	150	1	156	205	172	114.7
RTU1-SGRD5	DINING	SD-1	8"	150	1	212	162	136	90.7
RTU1-SGRD6	DINING	SD-1	8"	150	1	188	163	136	90.7
RTU1-SGRD7	DINING	SD-1	8"	150	1	213	256	214	142.7
RTU1-SGRD8	DINING	SD-1	8"	150	1	189	233	195	130.0
RTU1-SGRD9	DINING	SD-1	8"	150	1	204	170	142	94.7
RTU1-SGRD10	DINING	SD-1	8"	150	1	206	167	140	93.3
RTU1-SGRD11	DINING	SD-1	8"	150	1	204	169	142	94.7
RTU1-SGRD12	DINING	SD-1	8"	150	1	207	245	205	136.7
RTU1-SGRD13	DINING	SD-1	8"	150	1	183	165	138	92.0
RTU1-SGRD14	DINING	SD-1	8"	150	1	147	166	139	92.7
RTU1-SGRD15	DINING	SD-1	8"	150	1	219	163	216	144.0
RTU1-SGRD16	DINING	SD-1	10"	300	1	340	258	289	96.3
RTU1-SGRD17	DRIVE-THRU	SD-1	8"	150	1	266	345	136	90.7
RTU1-SGRD18	SUNDAE	SD-1	12"	500	1	528	559	468	93.6
RTU1-SGRD19	OFFICE	SD-1	12"	200	1	353	387	324	162.0
RTU1-SGRD20	CUST. SERVICE	SD-1	12"	450	1	429	475	398	88.4
RTU1-SGRD21	CUST. SERVICE	SD-1	10"	350	1	297	321	269	76.9
RTU1-SGRD22	CUST. SERVICE	SD-1	10"	350	1	317	357	299	85.4
RTU1-SGRD23	CUST. SERVICE	SD-1	10"	350	1	339	378	317	90.6
RTU1-SGRD24	CUST. SERVICE	SD-1	10"	350	1	358	423	354	101.1
RTU1-SGRD25	DINING	SD-1	12"	150	1	208	178	149	99.3
RTU1-SGRD26	HALL	SD1	12"	450	1	438	539	452	100.4
RTU1-SGRD27	RESTROOM	SD-4	8"	150	1	196	163	137	91.3
RTU1-SGRD28	RESTROOM	SD-3	8"	150	1	272	162	136	90.7
Total				6150		7317	7326	6136	99.77%

Completed By: Stephen Tassinaro on 06/05/2024

Asset	Notes	Date	Written By
RTU1-SGRD7	NO DAMPER LOCATED	06/05/2024	Stephen Tassinaro
RTU1-SGRD8	NO DAMPER LOCATED	06/05/2024	Stephen Tassinaro
RTU1-SGRD12	DAMPER BROKEN	06/05/2024	Stephen Tassinaro
RTU1-SGRD15	NO DAMPER LOCATED	06/05/2024	Stephen Tassinaro
RTU1-SGRD19	NO DAMPER LOCATED	06/05/2024	Stephen Tassinaro

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	-	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

Test Data		
	Design	Actual
SF CFM	6150	6275
SF RPM	58Hz	1697
RA CFM	4450	4587
OA CFM	1700	1688
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	-	3.47"

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

Completed By: Stephen Tassinaro on 06/11/2024

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	585	662	559	93.2
RTU2-SGRD2	SUNDAE	SD-1	12	600	1	520	592	641	106.8
RTU2-SGRD3	KITCHEN	SD-1	10	200	1	365	210	214	107.0
RTU2-SGRD4	KITCHEN	SD-1	12"	375	1	233	396	392	104.5
RTU2-SGRD5	KITCHEN	SD-5	12"	400	1	302	515	389	97.3
RTU2-SGRD6	KITCHEN	SD5	12"	400	1	524	471	399	99.8
RTU2-SGRD7	KITCHEN	SD-5	10"	250	1	391	260	227	90.8
RTU2-SGRD8	KITCHEN	SD-5	10"	275	1	324	304	279	101.5
RTU2-SGRD9	TOILET	SD-1	8"	75	1	148	157	158	210.7
RTU2-SGRD10	KITCHEN	SD-5	8"	125	1	185	134	134	107.2
RTU2-SGRD11	KITCHEN	SD-5	12"	350	1	603	370	377	107.7
RTU2-SGRD12	KITCHEN	SD-1	12"	350	1	459	353	375	107.1
RTU2-SGRD13	KITCHEN	SD-5	12"	350	1	489	337	370	105.7
RTU2-SGRD14	DRY GOODS	SD-1	12"	600	1	451	540	560	93.3
RTU2-SGRD15	DRY GOODS	SD-1	12"	600	1	387	442	541	90.2
RTU2-SGRD16	DRY GOODS	SD-1	12"	600	1	483	614	660	110.0
Total				6150		6449	6357	6275	102.03%

Completed By: Stephen Tassinaro on 06/11/2024

Asset	Notes	Date	Written By
RTU2-SGRD9	DAMPER STUCK FULL OPEN - MASTIC ON HANDLE	06/11/2024	Stephen Tassinaro

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	-	HSSA
Frame	-	N/L
Horsepower	-	0.75
Motor Rpm	-	1725
Phase	3	3
Voltage (rated)	208	208-230
Amperage (rated)	-	2.6-2.5
Service Factor	-	1.15

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

Test Data		
	Design	Actual
CFM	1500	1499
Fan RPM	2411	1262
Fan Rotation	-	CCW
Motor RPM	-	1262
RL Voltage	-	209/210/209
RL Amperage	-	2.4 VFD
Suction ESP	-	[1]
Discharge ESP	-	ATM

Completed By: Stephen Tassinaro on 06/05/2024

Notes:

[1] CURB ASSEMBLY LOOSE. INTERFERING WITH HINGE ASSEMBLY. SEE ISSUE PICTURES.

Written By: Stephen Tassinaro on 06/05/2024

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	-	HSSA
Frame	-	NL
Horsepower	-	0.75
Motor Rpm	-	1725
Phase	3	3
Voltage (rated)	208	208-230
Amperage (rated)	-	2.6-2.5
Service Factor	-	1.15

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

Test Data		
	Design	Actual
CFM	1500	1366
Fan RPM	1377	1090
Fan Rotation	-	CCW
Motor RPM	-	1090
RL Voltage	-	209/210/211
RL Amperage	-	1.97 VFD
Suction ESP	-	[1]
Discharge ESP	-	ATM

Completed By: Stephen Tassinaro on 06/05/2024

Notes:

[1] CURB ASSEMBLY LOOSE. INTERFERING WITH HINGE ASSEMBLY. SEE ISSUE PICTURES.

Written By: Stephen Tassinaro on 06/05/2024

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:

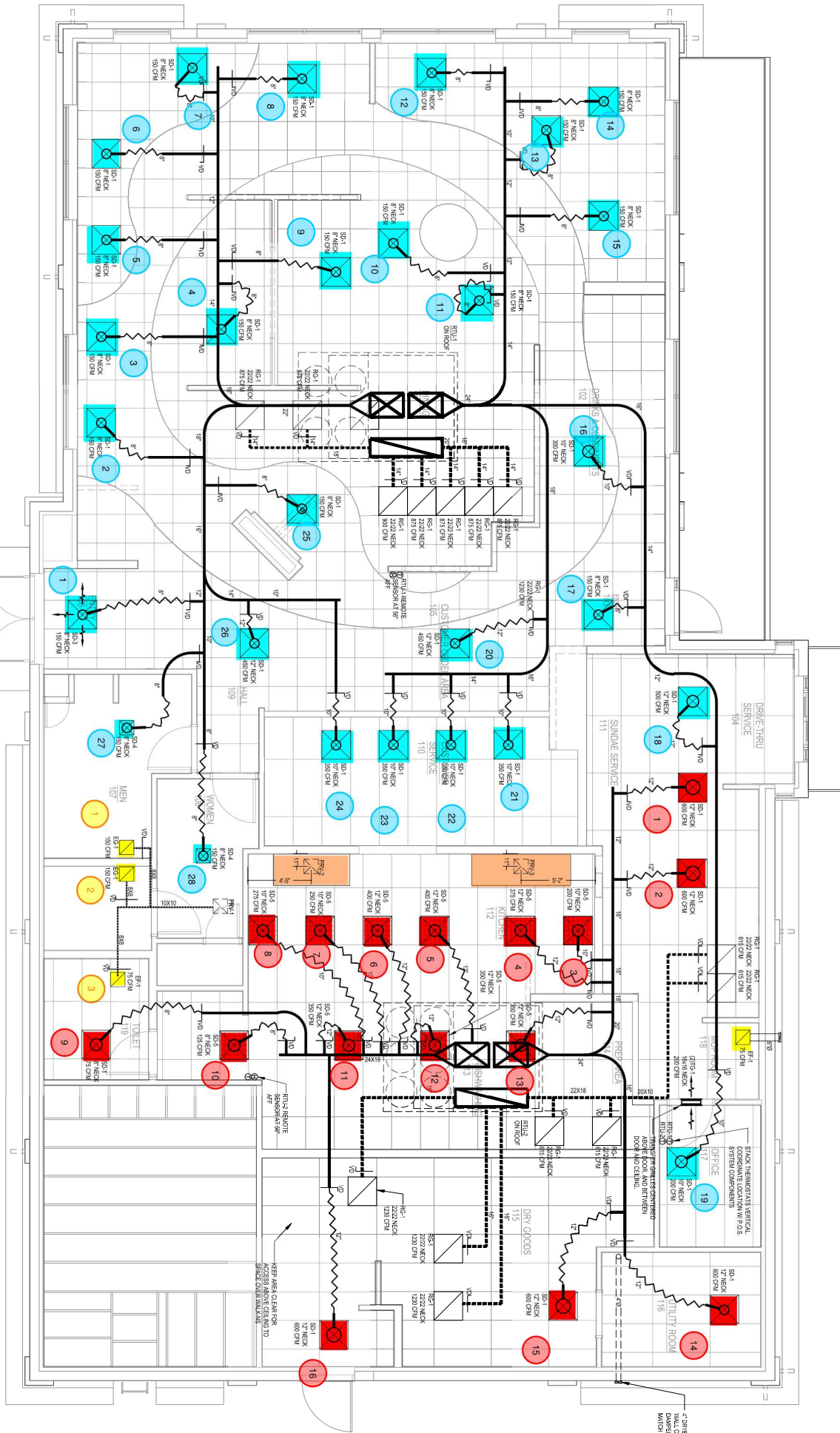
Unit Data		
	Design	Actual
MFG	ACCUREX	CAPTIVE AIRE
Model Num	XXEP-83-S	3347 BD-2
Job / Serial Num	-	6048342
Type	TYPE I	TYPE I CANOPY
Hood length	83"	83"
Hood Width	23"	33"

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

NOTE: ALL DOWNWORK TO BE LOCATED IN TRUSS SPACE WHERE



2. OTHER EXHAUST TO HOOVER DUCTS SHALL BE 1/2" DIA. TO MATCH EXTERIOR.