Report By:

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

Report: TAB REPORT

Function: Test, Adjust, & Balance

Date: 12/12/2024

Completed By: National TAB

PROJECT

12-09-24 LORO DOMAIN AUSTIN, TX

11601 domain dr

Austin, TX 78758

Client

HAI Hospitality

National TAB

Project: 12-09-24 LORO DOMAIN AUSTIN, TX

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Issue List

- RTU-1 Condenser Coil
- RTU-1 Economizer
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- RTU-2 Thermostat

12-09-24 LORO DOMAIN AUSTIN, TX

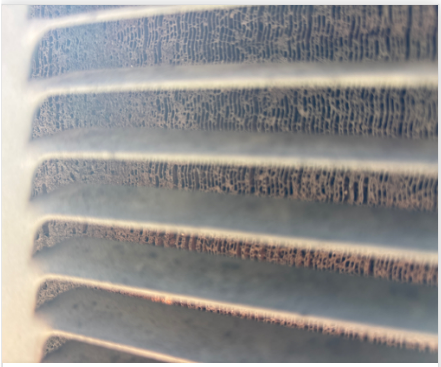
Project Issue Information

Issue Name : RTU-1 Condenser Coil

Description : RTU-1 condenser coil has dirt build up. Coil should be cleaned to ensure the unit will cool properly.

Created By :	National TAB	**Assigned To :**	National TAB - Wesley John
Status :	Closed		
Priority :	Medium	**Asset Tag :**	RTU1
Originated Date :	12/11/2024 - Wesley John - National TAB		

Project Issue File Details



12/11/2024

12-09-24 LORO DOMAIN AUSTIN, TX

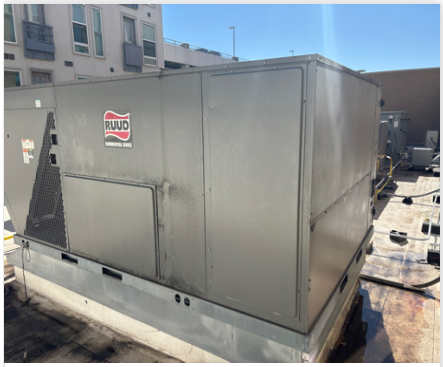
Project Issue Information

Issue Name : RTU-1 Economizer

Description : RTU-1 is designed for 2000 CFM of outside air flow, but is not equipped with an economizer. Recommend installing economizer to allow unit to operate as designed and to pressurize the building as designed. The building pressure is highly negative as a result.

Created By :	National TAB	**Assigned To :**	National TAB - Wesley John
Status :	Closed		
Priority :	Urgent	**Asset Tag :**	RTU1
Originated Date :	12/09/2024 - Wesley John - National TAB		

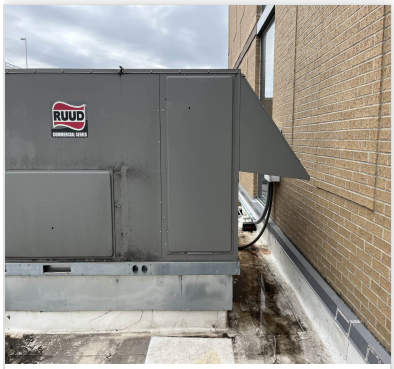
Project Issue File Details



12/09/2024

Project Issue Response Details

- **01/27/2025 National TAB - Oscar Ventura**
  - Economizer has been installed and set to 98% of design CFM.



01/27/2025

12-09-24 LORO DOMAIN AUSTIN, TX

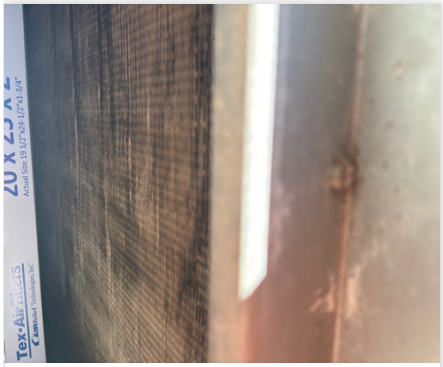
Project Issue Information

Issue Name : RTU-1 Evaporator coil

Description : Supply air from RTU-1 smells of mildew. Recommend cleaning evaporator coil.

Created By :	National TAB	**Assigned To :**	National TAB - Wesley John
Status :	Closed		
Priority :	Urgent	**Asset Tag :**	RTU1
Originated Date :	12/11/2024 - Wesley John - National TAB		

Project Issue File Details



12/11/2024

12-09-24 LORO DOMAIN AUSTIN, TX

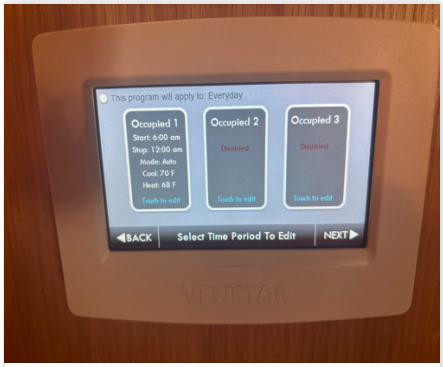
Project Issue Information

Issue Name : RTU-1 Thermostat

Description : RTU-1 thermostat is not able to program fan functionality. Recommend replacing with model that will allow for fan functionality programming. This will allow, once RTU-1 economizer is installed and set, to maintain building pressure during occupied hours.

Created By :	National TAB	**Assigned To :**	National TAB - Wesley John
Status :	Closed		
Priority :	Urgent	**Asset Tag :**	RTU1
Originated Date :	12/11/2024 - Wesley John - National TAB		

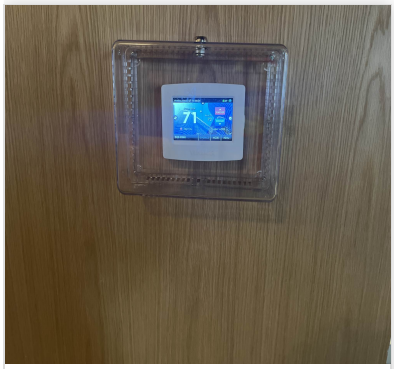
Project Issue File Details



12/11/2024

Project Issue Response Details

- **01/27/2025 National TAB - Oscar Ventura**
  - Thermostat for RTU 1 has been replaced and it's programed.



01/27/2025

12-09-24 LORO DOMAIN AUSTIN, TX

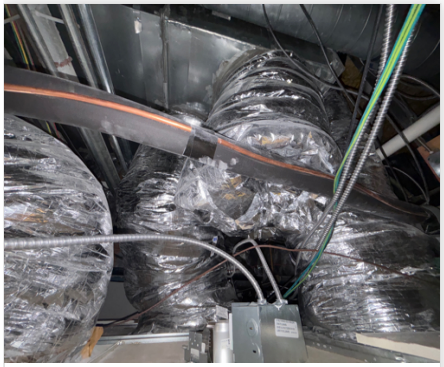
Project Issue Information

Issue Name : RTU-2 Return Tap

Description : RTU-2 has an unused return tap with flex duct. Flex duct is closed off at end. Recommend blocking off unused return tap.

Created By :	National TAB	**Assigned To :**	National TAB - Wesley John
Status :	Closed		
Priority :	Medium	**Asset Tag :**	RTU2
Originated Date :	12/09/2024 - Wesley John - National TAB		

Project Issue File Details



12/09/2024

12-09-24 LORO DOMAIN AUSTIN, TX

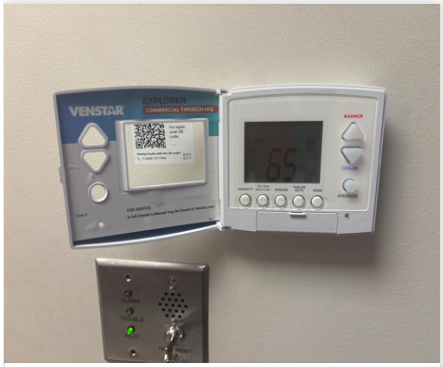
Project Issue Information

Issue Name : RTU-2 Thermostat

Description : RTU-2 thermostat is not programmable. Recommend replacing with a model that allows for schedule to be programmed so that fan functionality can change over between occupied and unoccupied times.

Created By :	National TAB	**Assigned To :**	National TAB - Wesley John
Status :	Closed		
Priority :	Urgent	**Asset Tag :**	RTU2
Originated Date :	12/11/2024 - Wesley John - National TAB		

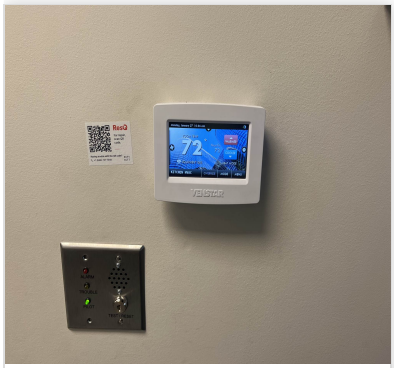
Project Issue File Details



12/11/2024

Project Issue Response Details

- **01/27/2025 National TAB - Oscar Ventura**
  - RTU-2 Thermostat has been replaced, and it's programmed.



01/27/2025

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
RTU-1	DINING	9500	8928	7500	6952	2000	1976	21.1%	22.1%						
RTU-2	KITCHEN	6650	6477	5070	4915	1580	1562	23.8%	24.1%						
MUA-1	HOODS									6120	6129				
EF-1	HOODS 1&2											3752	3653		
EF-2	HOOD 3											1900	1879		
EF-3	HOOD 4											2000	1968		
EF-4	HOOD 5											1400	1452		
EF-2	INDOOR RR													600	414
TOTALS		16150	15405	12570	11867	3580	3538			6120	6129	9052	8952	600	414

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	9700	9667
TOTAL EXHAUST	9652	9366
NET AIRFLOW	48	301

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H20)
FRONT	0.007
SIDE	0.008
REAR	0.008
AVERAGE	**0.0077**

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

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

12-09-24 LORO DOMAIN AUSTIN, TX

CheckList Information

Name :	TECH - STEP 1: INITIAL SITE WALKTHROUGH	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/09/2024 - Brian Turnbough - National TAB		
Completed Date :	12/11/2024 - Wesley John - National TAB		

CheckList Item Details

INITIAL SITE WALKTHROUGH

All diffusers and grilles are installed and match design?	Yes
Comment:	
All hood filters installed and accounted for?	Yes
Comment:	
Hoods are wired and have power?	Yes
Comment:	
Hood is free of alarms?	Yes
Comment:	
Thermostats have power?	Yes
Comment:	

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

Comment:

YES

12-09-24 LORO DOMAIN AUSTIN, TX

CheckList Information

Name :	TECH - STEP 2: UNIT DATA AND EVAL	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/09/2024 - Brian Turnbough - National TAB		
Completed Date :	12/11/2024 - Wesley John - 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:	
DCV Max damper opening position is set to minimum?	Yes
Comment:	
Free cooling enthalpy set point set for lowest setting (Typically "D")	Yes
Comment:	
Motors are all operating below the FLA rating?	Yes
Comment:	

Are belts tight?

Comment:

RTU-1 YES

If direct drive unit is the speed controller working.

Comment:	
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:	
Grease cup installed on hood fan?	Yes
Comment:	
Hinge kit installed installed on hood fan?	Yes
Comment:	
Lean fan 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:	
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:	
MUA	
Rotation is correct?	Yes
Comment:	
Gas piping is installed and valves are in on position?	Yes
Comment:	
Heater tested and is functional?	Yes
Comment:	
Internal motorized damper is fully opening?	Yes
Comment:	
Motor is operating below the FLA rating?	Yes
Comment:	
Unit free of noticeable noise and vibration?	Yes
Comment:	
HOODS	
Kitchen equipment installed in proper places?	Yes
Comment:	
Can kitchen equipment be turned on for final smoke test?	Yes
Comment:	
DOCUMENTATION	

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

12-09-24 LORO DOMAIN AUSTIN, TX

CheckList Information

Name :	TECH - STEP 3: TEST, ADJUST AND BALANCE	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/09/2024 - Brian Turnbough - National TAB		
Completed Date :	12/11/2024 - Wesley John - 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:

NA

12-09-24 LORO DOMAIN AUSTIN, TX

CheckList Information

Name :	TECH - STEP 4: FINAL TESTS	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/09/2024 - Brian Turnbough - National TAB		
Completed Date :	12/11/2024 - Wesley John - National TAB		

CheckList Item Details

FINAL TESTS

HOOD CAPTURE TEST

List equipment turned on for testing

Comment:

ALL

List smoke candle type used

Comment:

OBSERVED COOKING

Smoke test capture - Perimeter of hood

Comment:

100%

Smoke test capture - Top of cooking surface

Comment:

100%

WITNESS

Date test was completed	12/11/2024

Comment:

TAB tech name / Firm

Comment:

WESLEY JOHN / NATIONAL TAB

Site super name / Firm

Comment:

TREVON BLAND / LORO WAS WITNESS TO SMOKE CAPTURE TEST.

Owner representative name / Firm (if Applicable)

Comment:

NA

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

Comment:

FRONT -0.012" SIDE -0.011"

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:

ACTUAL NET AIRFLOW AND MEASURED PRESSURE ARE NEGATIVE DUE TO RTU-1 NOT BEING EQUIPPED WITH ECONOMIZER. SEE ISSUES.

Thermostats are programmed?	Yes

Comment:

RTU-2 THERMOSTAT NOT PROGRAMMABLE. SEE ISSUES.

National TAB

Project: 12-09-24 LORO DOMAIN AUSTIN, TX

System/Unit: AHU/RTU

Asset: RTU1 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	NA	RUUD
Serial Num	-	F291601181
Model Num	NA	RLNL-B300CL
Type	-	RTU
Configuration	-	VERTICAL DISCHARGE
Num OA Filters 1	-	3
OA Filter Size 1	-	24x24
Num Final Filter 1	-	8
Final Filter Size 1	-	20x25x2

Motor Data		
	Design	**Actual**
Motor MFG	-	MARATHON
Frame	-	213T
Horsepower	-	7.5
Motor Rpm	-	1760
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	21.0

Drive Data	
	Actual
Motor Sheave Size	1VP71
Motor Bore Size	1 3/8"
Fan Sheave Size	NA
Fan Sheave Bore	NA
Belt CL Distance	27"
Num of Belts	1
Belt Size	B82

Test Data		
	Design	**Actual**
SF CFM	9500	8928
SF RPM	-	923
RA CFM	7500	6952
OA CFM	2000	1976
RL Voltage	-	210/210/210
RL Amperage	-	14.9/14.6/14.7
SF Rotation	-	CCW
RA Damper Position	-	N/A
Min OA Damper Position	-	N/A
Min OA Damper Type	-	N/A

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.16"
Fan Suction SP	-	-0.33"
Fan Discharge SP	-	1.53"
Total ESP	-	1.69"

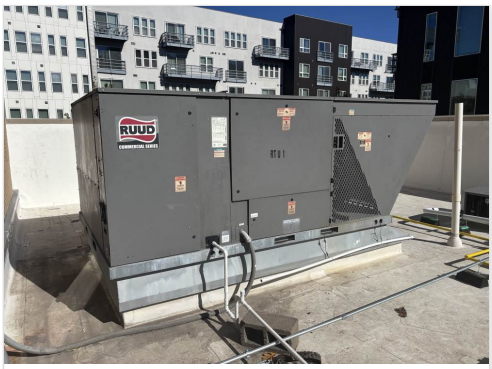
General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES

Completed By: Oscar Ventura on 01/27/2025

Notes:
MOTOR PULLEY SET POINT 1 TURN OPEN.

Written By: Will Turnbough on 01/27/2025

Unit Data - PHOTO LOG



12/11/2024

National TAB

Project:12-09-24 LORO DOMAIN AUSTIN, TX

AHU/RTU

Diffuser Supply (GRD)

RTU1/DINING

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
RTU1-SGRD1	WOMENS RR	GD1	10"	275	1.0	353	388	249	90.5
RTU1-SGRD2	RR HALLWAY	GD1	10"	235	1.0	225	244	221	94.0
RTU1-SGRD3	MENS RR	GD1	10"	275	1.0	62	70	253	92.0
RTU1-SGRD4	DINING	SD2	14"	815	1.0	651	719	773	94.8
RTU1-SGRD5	DINING	SD2	14"	815	1.0	584	645	754	92.5
RTU1-SGRD6	DINING	SD2	14"	815	1.0	537	593	768	94.2
RTU1-SGRD7	BAR	SD1	10"	345	1.0	224	242	312	90.4
RTU1-SGRD8	DINING	SD2	14"	815	1.0	758	840	753	92.4
RTU1-SGRD9	DINING	SD2	14"	815	1.0	914	987	744	91.3
RTU1-SGRD10	BAR	SD1	10"	345	1.0	284	315	321	93.0
RTU1-SGRD11	DINING	SD2	14"	815	1.0	862	956	768	94.2
RTU1-SGRD12	DINING	SD2	14"	815	1.0	768	841	761	93.4
RTU1-SGRD13	BAR	SD1	10"	345	1.0	214	239	320	92.8
RTU1-SGRD14	DINING	SD2	14"	815	1.0	740	811	748	91.8
RTU1-SGRD15	DINING	SD2	14"	815	1.0	759	830	843	103.4
RTU1-SGRD16	BAR	SD1	10"	345	1.0	294	327	340	98.6
Total				9500		8229	9047	8928	93.98%

Completed By: Wesley John on 12/12/2024

National TAB

Project: 12-09-24 LORO DOMAIN AUSTIN, TX

System/Unit: AHU/RTU

Asset: RTU2 AREA:KITCHEN

Unit Data		
	Design	**Actual**
MFG	NA	CARRIER
Serial Num	-	3024P26303
Model Num	NA	48FCEN20J2M5A8W4C0
Type	-	RTU
Configuration	-	VERTICAL DISCHARGE
Num OA Filters 1	-	4
OA Filter Size 1	-	16x24x1
Num Final Filter 1	-	6
Final Filter Size 1	-	20x25x2

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	6.4 X2

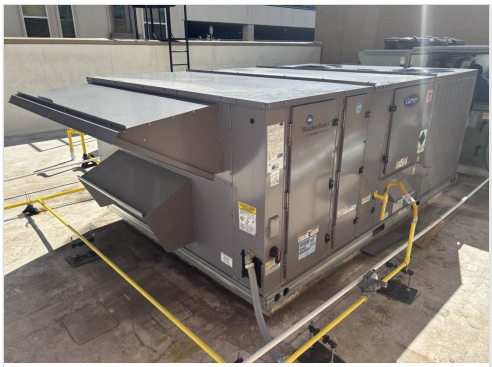
Test Data		
	Design	**Actual**
SF CFM	6650	6477
SF RPM	-	2240
RA CFM	5070	4915
OA CFM	1580	1562
RL Voltage	-	210/211/210
RL Amperage	-	12.7/12.4/12.3
SF Rotation	-	CCW
RA Damper Position	-	63%
Min OA Damper Position	-	5.2 VDC (37%)
Min OA Damper Type	-	OPPOSED BLADE

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.89"
Fan Suction SP	-	-1.21"
Fan Discharge SP	-	0.60"
Total ESP	-	1.49"

General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES

Completed By: Wesley John on 12/11/2024

Unit Data - PHOTO LOG



12/11/2024

National TAB

Project:12-09-24 LORO DOMAIN AUSTIN, TX

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	KITCHEN	KD	10"	275	1.0	553	-	250	90.9
RTU2-SGRD2	KITCHEN	KD	10"	275	1.0	315	-	273	99.3
RTU2-SGRD3	KITCHEN	KD	10"	275	1.0	405	-	292	106.2
RTU2-SGRD4	KITCHEN	KD	12"	415	1.0	823	-	388	93.5
RTU2-SGRD5	KITCHEN	KD	12"	415	1.0	110	-	424	102.2
RTU2-SGRD6	KITCHEN	KD	12"	415	1.0	343	-	379	91.3
RTU2-SGRD7	KITCHEN	KD	10"	275	1.0	173	-	288	104.7
RTU2-SGRD8	KITCHEN	KD	10"	275	1.0	250	-	281	102.2
RTU2-SGRD9	OUTDOOR RR	GD2	6"	60	1.0	51	-	62	103.3
RTU2-SGRD10	KITCHEN	KD	10"	275	1.0	243	-	270	98.2
RTU2-SGRD11	KITCHEN	KD	10"	275	1.0	343	-	274	99.6
RTU2-SGRD12	OFFICE	OD	10"	280	1.0	330	-	292	104.3
RTU2-SGRD13	KITCHEN	KD	10"	275	1.0	360	-	280	101.8
RTU2-SGRD14	KITCHEN	KD	10"	275	1.0	448	-	283	102.9
RTU2-SGRD15	KITCHEN	KD	10"	275	1.0	360	-	291	105.8
RTU2-SGRD16	KITCHEN	KD	10"	275	1.0	386	-	274	99.6
RTU2-SGRD17	KITCHEN	KD	12"	510	1.0	400	-	463	90.8
RTU2-SGRD18	KITCHEN	KD	12"	510	1.0	125	-	465	91.2
RTU2-SGRD19	KITCHEN	KD	12"	510	1.0	205	-	472	92.5
RTU2-SGRD20	KITCHEN	KD	12"	510	1.0	277	-	476	93.3
Total				6650		6500	0	6477	97.4%

Completed By: Wesley John on 12/11/2024

National TAB

Project: 12-09-24 LORO DOMAIN AUSTIN, TX

System/Unit: FAN - Exhaust

Asset: DEF1 AREA:HOOD-5

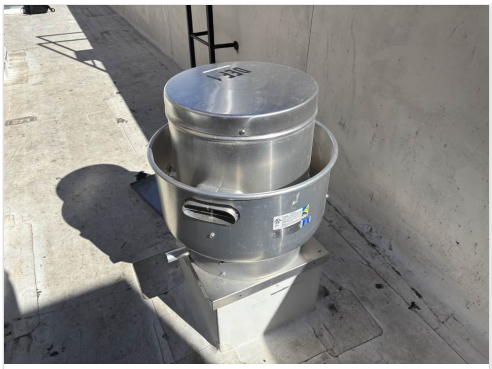
Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XCUE-120-VG	XCUE-120-5-VG-1-19-X
Serial Num	-	25137426
Type	-	CENTRIFUGAL
Configuration	-	UPBLAST

Motor Data		
	Design	**Actual**
Motor MFG	-	BROAD-OCEAN
Frame	-	NL
Horsepower	-	0.50
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	6.4
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	1400	1452
Fan RPM	-	1750
Fan Rotation	-	CW
Motor RPM	-	1750
System SetPt	-	10/10
RL Voltage	-	121
RL Amperage	-	3.3
Total ESP	-	0.51"
Fan Inlet SP	-	-0.51"
Fan Discharge SP	-	ATM

Completed By: Wesley John on 12/09/2024

Unit Data - PHOTO LOG



12/11/2024

National TAB

Project: 12-09-24 LORO DOMAIN AUSTIN, TX

System/Unit: FAN - Exhaust

Asset: KEF1 AREA:HOOD-1&2

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XUEF-18	XUEF-18-3-B7-00-02-02
Serial Num	-	25136412
Type	-	CENTRIFUGAL
Configuration	-	UTILITY

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR
Frame	-	215T
Horsepower	-	5
Motor Rpm	-	1160
Phase	-	3
Voltage (rated)	-	208
Amperage (rated)	-	15.2
Service Factor	-	1.15

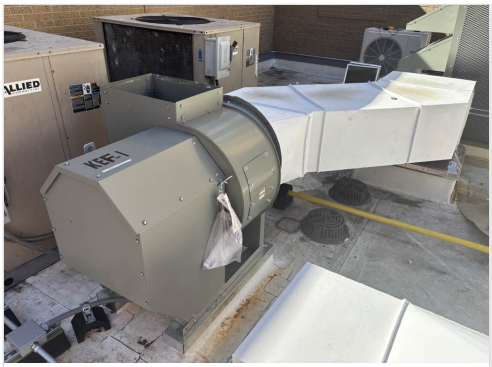
Test Data		
	Design	**Actual**
CFM	3752	3653
Fan RPM	-	1392
Fan Rotation	-	CW
Motor RPM	-	1392
System SetPt	-	72.0 Hz
RL Voltage	-	232 VFD
RL Amperage	-	6.8 VFD
Total ESP	-	NA
Fan Inlet SP	-	NA
Fan Discharge SP	-	ATM

Completed By: Wesley John on 12/11/2024

Notes:
SPEED SET POINT OKAYED BY ACCUREX TECHNICAL SUPPORT.

Written By: Wesley John on 12/11/2024

Unit Data - PHOTO LOG



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National TAB

Project: 12-09-24 LORO DOMAIN AUSTIN, TX

System/Unit: FAN - Exhaust

Asset: KEF2 AREA:HOOD-3

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XUEF-15	XUEF-15-3-B7-00-02-02
Serial Num	-	25136411
Type	-	CENTRIFUGAL
Configuration	-	UTILITY

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR
Frame	-	56
Horsepower	-	1
Motor Rpm	-	1770
Phase	-	3
Voltage (rated)	-	208
Amperage (rated)	-	3.2
Service Factor	-	1.15

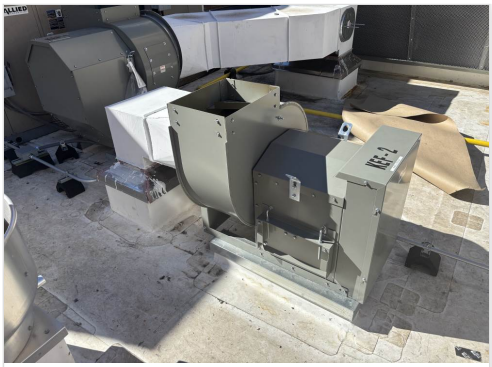
Test Data		
	Design	**Actual**
CFM	1900	1879
Fan RPM	-	2242
Fan Rotation	-	CW
Motor RPM	-	2242
System SetPt	-	76 Hz
RL Voltage	-	242 VFD
RL Amperage	-	3.1 VFD
Total ESP	-	NA
Fan Inlet SP	-	NA
Fan Discharge SP	-	ATM

Completed By: Wesley John on 12/11/2024

Notes:
SPEED SET POINT OKAYED BY ACCUREX TECHNICAL SUPPORT.

Written By: Wesley John on 12/11/2024

Unit Data - PHOTO LOG



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National TAB

Project: 12-09-24 LORO DOMAIN AUSTIN, TX

System/Unit: FAN - Exhaust

Asset: KEF3 AREA:HOOD-4

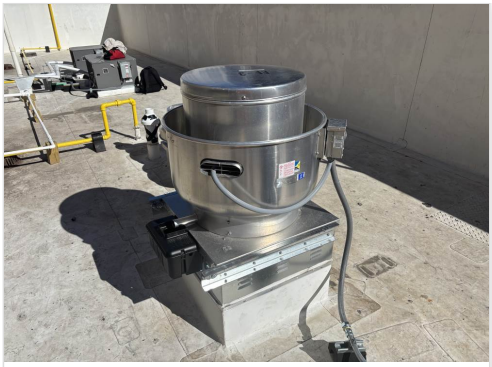
Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XRUE-140-A	XCUE-140-A-10-1-26-G
Serial Num	-	25137436
Type	-	CENTRIFUGAL
Configuration	-	UPBLAST

Motor Data		
	Design	**Actual**
Motor MFG	-	WEG
Frame	-	56
Horsepower	-	1
Motor Rpm	-	1760
Phase	-	3
Voltage (rated)	-	230
Amperage (rated)	-	3.37
Service Factor	-	1.00

Test Data		
	Design	**Actual**
CFM	2000	1968
Fan RPM	-	1467
Fan Rotation	-	CW
Motor RPM	-	1467
System SetPt	-	50 Hz
RL Voltage	-	218/218/217
RL Amperage	-	3.1/3.1/3.1
Total ESP	-	0.81"
Fan Inlet SP	-	-0.81"
Fan Discharge SP	-	ATM

Completed By: Wesley John on 12/09/2024

Unit Data - PHOTO LOG



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National TAB

Project: 12-09-24 LORO DOMAIN AUSTIN, TX

System/Unit: FAN - Exhaust

Asset: TEF1 AREA:INDOOR RR

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	G-090-VC	G-080-VG-1-17-X
Serial Num	-	25174675
Type	-	CENTRIFUGAL
Configuration	-	DOWNBLAST

Motor Data		
	Design	**Actual**
Motor MFG	-	BROAD-OCEAN
Frame	-	NL
Horsepower	-	0.10
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	1.38
Service Factor	-	NL

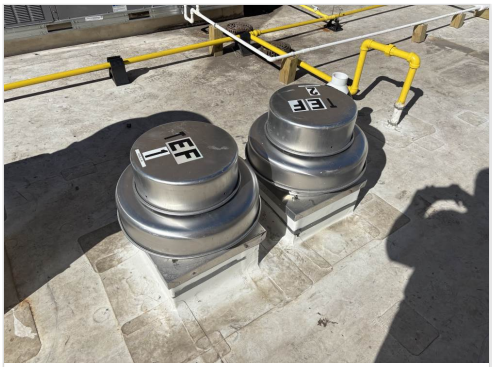
Test Data		
	Design	**Actual**
CFM	600	414
Fan RPM	-	1750
Fan Rotation	-	CW
Motor RPM	-	1750
System SetPt	-	10/10
RL Voltage	-	120
RL Amperage	-	1.3
Total ESP	-	0.31"
Fan Inlet SP	-	-0.31"
Fan Discharge SP	-	ATM

Completed By: Wesley John on 12/11/2024

Notes:
UNIT OPERATING AT 69% OF DESIGN AIR FLOW AND SET TO HIGH SPEED.

Written By: Wesley John on 12/12/2024

Unit Data - PHOTO LOG



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National TAB

Project:12-09-24 LORO DOMAIN AUSTIN, TX

FAN - Exhaust

Diffuser Ret/Exh (GRD)

TEF1/INDOOR RR

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
TEF1-EGRD1	WOMENS RR	GE1	10"	300	1.0	198	-	198	66.0
TEF1-EGRD2	MENS RR	GE1	10"	300	1.0	216	-	216	72.0
Total				600		414	0	414	69%

Completed By: Wesley John on 12/11/2024

National TAB

Project: 12-09-24 LORO DOMAIN AUSTIN, TX

System/Unit: FAN - Exhaust

Asset: TEF2 AREA:OUTDOOR RR

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	NA	G-090-VG-1-17-X
Serial Num	-	25174673
Type	-	CENTRIFUGAL
Configuration	-	DOWNBLAST

Motor Data		
	Design	**Actual**
Motor MFG	-	BROAD-OCEAN
Frame	-	NL
Horsepower	-	0.10
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	1.38
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	100	107
Fan RPM	-	1750
Fan Rotation	-	CW
Motor RPM	-	1750
System SetPt	-	10/10
RL Voltage	-	120
RL Amperage	-	1.1
Total ESP	-	0.20"
Fan Inlet SP	-	-0.20"
Fan Discharge SP	-	ATM

Completed By: Wesley John on 12/11/2024

National TAB

Project: 12-09-24 LORO DOMAIN AUSTIN, TX

System/Unit: FAN - Supply

Asset: MUA1 AREA:HOODS

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XRV-25-15T-J-A1	XRV-25-15I-J-A1
Serial Num	-	25136766
Type	-	MUA
Configuration	-	VERTICAL DISCHARGE

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR
Frame	-	215T
Horsepower	-	10
Motor Rpm	-	1770
Phase	-	3
Voltage (rated)	-	208
Amperage (rated)	-	28.0
Service Factor	-	1.15

Gas Heat		
	Design	**Actual**
Heater Operates (y/n)	-	YES
Flame Status (pass/fail)	-	PASS
Inlet Air Temp SetPt	55.0 F	55.0 F
Discharge Air Temp SetPt	60.0 F	60.0 F
Air Flow Switch SP Actual	-	NA

Test Data		
	Design	**Actual**
CFM	6120	6129
SF RPM	-	2095
Motor RPM	-	2095
SF System SetPt	-	7.4 VDC
RL Voltage	-	231 VFD
RL Amperage	-	12.2 A
Total ESP	-	0.58"
Fan Discharge SP	-	0.58"

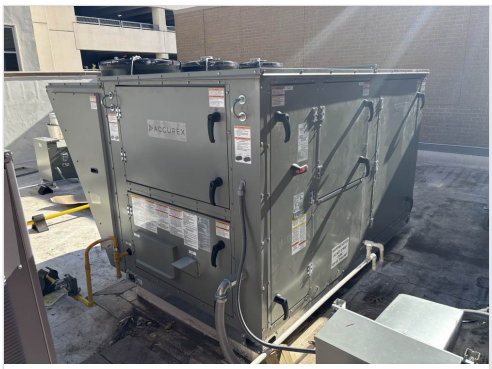
General	
	Actual
Fan Rotation Correct	YES

Completed By: Wesley John on 12/11/2024

Notes:
7.4 VDC ON CONTROLLER CORRESPONDS TO 71 Hz ON VFD.

Written By: Wesley John on 12/11/2024

Unit Data - PHOTO LOG



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National TAB

Project: 12-09-24 LORO DOMAIN AUSTIN, TX

System/Unit: Kitchen Hood Type I

Asset: HD1 AREA:COOKLINE

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XXEW-93-S	XXEW-93.00-S
Job / Serial Num	-	25057723
Type	-	TYPE I CANOPY
Hood length	-	93"
Hood Width	-	54"
Supply Plenum Type	-	PSP
Supply Plenum Width	-	18"
Supply Plenum Length	-	93"

Test Data Exhaust		
	Design	**Actual**
Filter Type	-	BAFFLE
Filter Size 1	-	20x16
Filter Size 2	-	20x20
Filter Qty 1	-	2
Filter Qty 2	-	3
Filter AK factor size 1	-	1.96
Filters AK factor size 2	-	2.40
Filter Total AK Area	-	11.12
Filter1 FPM	-	143
Filter2 FPM	-	148
Filter3 FPM	-	159
Filter4 FPM	-	162
Filter5 FPM	-	158
Filter Ave FPM(corr)	-	154
CFM	1752	1713

Cooking Equipment	
	Actual
Item 1	GRIDDLE
Item 2	CHARGRILL
Item 3	SALAMANDER

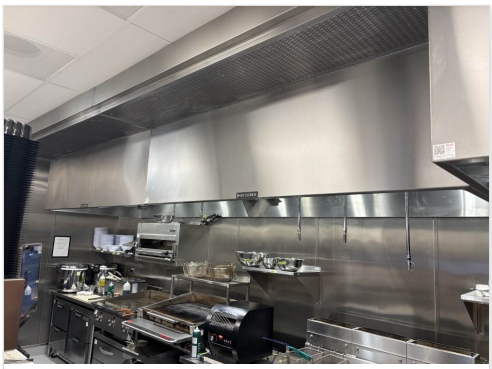
Test Data Supply		
	Design	**Actual**
CFM	1501	1422

Completed By: Wesley John on 12/11/2024

Notes:
VELOCITY READINGS AT ACCUREX PSP INACCURATE. PERFORMED DUCT TRAVERSE TO MEASURE SUPPLY AIR TO HOOD.

Written By: Wesley John on 12/11/2024

Unit Data - PHOTO LOG



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National TAB

Project: 12-09-24 LORO DOMAIN AUSTIN, TX

System/Unit: Kitchen Hood Type I

Asset: HD2 AREA:COOKLINE

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XXEW-93-S	XXEW-93.00-S
Job / Serial Num	-	25057726
Type	-	TYPE I CANOPY
Hood length	-	93"
Hood Width	-	54"
Supply Plenum Type	-	PSP
Supply Plenum Width	-	18"
Supply Plenum Length	-	93"

Test Data Supply		
	Design	**Actual**
CFM	1501	1581

Test Data Exhaust		
	Design	**Actual**
Filter Type	-	BAFFLE
Filter Size 1	-	20x16
Filter Size 2	-	20x20
Filter Qty 1	-	2
Filter Qty 2	-	3
Filter AK factor size 1	-	1.96
Filters AK factor size 2	-	2.40
Filter Total AK Area	-	11.12
Filter1 FPM	-	164
Filter2 FPM	-	167
Filter3 FPM	-	178
Filter4 FPM	-	184
Filter5 FPM	-	177
Filter Ave FPM(corr)	-	174
CFM	2000	1940

Cooking Equipment	
	Actual
Item 1	FRYERS

Completed By: Wesley John on 12/11/2024

Notes:
VELOCITY READINGS AT ACCUREX PSP INACCURATE. PERFORMED DUCT TRAVERSE TO MEASURE SUPPLY AIR TO HOOD.

Written By: Wesley John on 12/11/2024

National TAB

Project: 12-09-24 LORO DOMAIN AUSTIN, TX

System/Unit: Kitchen Hood Type I

Asset: HD3 AREA:COOKLINE

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XO-120-S	XXEW-59.00-S
Job / Serial Num	-	25057706
Type	-	TYPE I CANOPY
Hood length	-	59"
Hood Width	-	72"
Supply Plenum Type	-	PSP
Supply Plenum Width	-	18"
Supply Plenum Length	-	59"

Test Data Supply		
	Design	**Actual**
CFM	1520	1476

Test Data Exhaust		
	Design	**Actual**
Filter Type	-	BAFFLE
Filter Size 1	-	20x16
Filter Size 2	-	20x20
Filter Qty 1	-	1
Filter Qty 2	-	2
Filter AK factor size 1	-	1.96
Filters AK factor size 2	-	2.40
Filter Total AK Area	-	6.76
Filter1 FPM	-	265
Filter2 FPM	-	333
Filter3 FPM	-	236
Filter Ave FPM(corr)	-	278
CFM	1900	1879

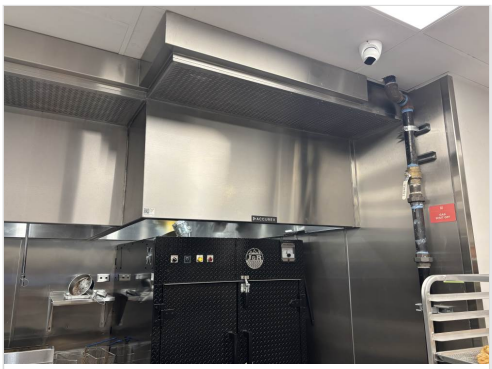
Cooking Equipment	
	Actual
Item 1	SMOKER

Completed By: Wesley John on 12/11/2024

Notes:
VELOCITY READINGS AT ACCUREX PSP INACCURATE. PERFORMED DUCT TRAVERSE TO MEASURE SUPPLY AIR TO HOOD.

Written By: Wesley John on 12/11/2024

Unit Data - PHOTO LOG



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National TAB

Project: 12-09-24 LORO DOMAIN AUSTIN, TX

System/Unit: Kitchen Hood Type II

Asset: HD(Type2)4 AREA:COOKLINE

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	NA	XO-120.00-S
Serial Num	-	25057715
Type	-	TYPE II CANOPY
Hood length	-	120"
Hood Width	-	60"

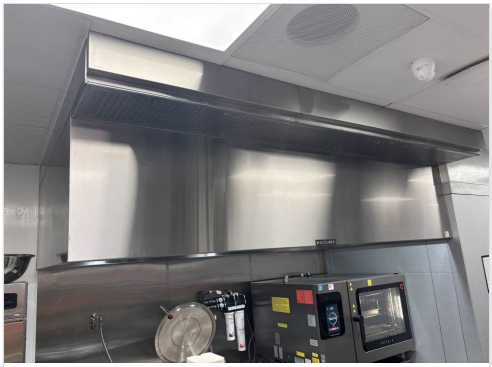
Test Data		
	Design	**Actual**
Exhaust CFM	2000	1968

Completed By: Wesley John on 12/11/2024

Notes:
VELOCITY READINGS AT ACCUREX PSP INACCURATE. PERFORMED DUCT TRAVERSE TO MEASURE SUPPLY AIR TO HOOD.
HOOD SUPPLY VALUE IS 1650 OUT OF 1520 DESIGN.

Written By: Wesley John on 12/11/2024

Unit Data - PHOTO LOG



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National TAB

Project: 12-09-24 LORO DOMAIN AUSTIN, TX

System/Unit: Kitchen Hood Type II

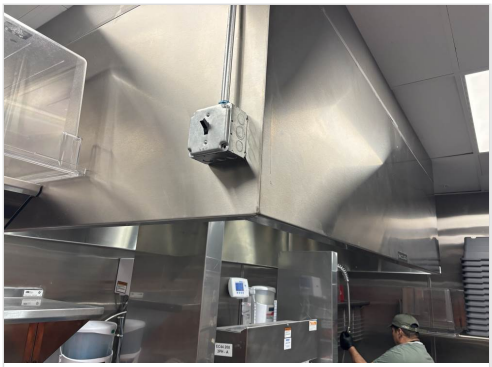
Asset: HD(Type2)5 AREA:DISHWASH

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XO-96-S	XO-96.00-S
Serial Num	-	25057712
Type	-	TYPE II CANOPY
Hood length	-	96"
Hood Width	-	48"

Test Data		
	Design	**Actual**
Exhaust CFM	1400	1452

Completed By: Wesley John on 12/09/2024

Unit Data - PHOTO LOG



12/11/2024