

**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**  
**12-09-024 LORO DOMAIN AUSTIN, TX**

11601 domain dr

Austin, TX 78758

**Client**

HAI Hospitality

# National TAB

Project: 12-09-024 LORO DOMAIN AUSTIN, TX

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## Issue List

- RTU-1 Condenser Coil
- RTU-1 Economizer
- RTU-1 Evaporator coil
- RTU-1 Thermostat
- RTU-2 Return Tap
- RTU-2 Thermostat



**12-09-024 LORO DOMAIN AUSTIN, TX**

**Project Issue Information**

**Issue Name :** RTU-1 Condenser Coil  
**Description :** RTU-1 condenser coil has dirt build up. Recommend cleaning coil to allow unit to perform satisfactorily.  
**Created By :** National TAB                      **Assigned To :** National TAB - Wesley John  
**Status :** Open  
**Priority :**    **Asset Tag :**  
**Originated Date :** 12/11/2024 - Wesley John - National TAB

Project Issue File Details



12/11/2024



**12-09-024 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.  
**Created By :** National TAB                      **Assigned To :** National TAB - Wesley John  
**Status :** Open  
**Priority :**    **Asset Tag :**  
**Originated Date :** 12/09/2024 - Wesley John - National TAB

Project Issue File Details



12/09/2024



**12-09-024 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 :** Open  
**Priority :**    **Asset Tag :**  
**Originated Date :** 12/11/2024 - Wesley John - National TAB

Project Issue File Details



12/11/2024



## 12-09-024 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 :** Open  
**Priority :**    **Asset Tag :**  
**Originated Date :** 12/11/2024 - Wesley John - National TAB

#### Project Issue File Details



12/11/2024



**12-09-024 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 :** Open  
**Priority :**    **Asset Tag :**  
**Originated Date :** 12/09/2024 - Wesley John - National TAB

Project Issue File Details



12/09/2024



**12-09-024 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 :** Open  
**Priority :**    **Asset Tag :**  
**Originated Date :** 12/11/2024 - Wesley John - National TAB

Project Issue File Details



12/11/2024

### 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	9500	8928	7500	8928	2000	0	21.1%	0.0%						
RTU-2	KITCHEN	6650	6477	5070	4915	1580	1562	23.8%	24.1%						
MUA-1	HOODS									6120	6129				
KEF-1	HOODS-1&2											3752	3653		
KEF-2	HOOD-3											1900	1879		
KEF-3	HOOD-4											2000	1968		
DEF-1	HOOD-5											1400	1452		
TEF-1	INDOOR RR													600	414
<b>TOTALS</b>		16150	15405	12570	13843	3580	1562			6120	6129	9052	8952	600	414

#### NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	9700	7691
TOTAL EXHAUST	9652	9366
<b>NET AIRFLOW</b>	48	-1675

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H2O)
FRONT	-0.012
SIDE	-0.011
REAR	-
<b>AVERAGE</b>	<b>-0.0115</b>

#### FINAL CHECKS

- ACTUAL NET AIRFLOW COINCIDES WITH DESIGN: ✘

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- MEASURED PRESSURES COINCIDES WITH ACTUAL NET AIRFLOW: ✔

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- 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



12-09-024 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



12-09-024 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:



12-09-024 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



12-09-024 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.

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**Owner representative name / Firm (if Applicable)**

**Comment:**

NA

---

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

**Comment:**

FRONT -0.012" SIDE -0.011"

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**ADDITIONAL**

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**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: 12-09-024 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	-	N/A
OA Filter Size 1	-	N/A
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	8928
OA CFM	2000	0
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	-	-1.16"
Fan Suction SP	-	-1.47
Fan Discharge SP	-	0.58"
Total ESP	-	1.74"

General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES

Completed By: Wesley John on 12/12/2024

Notes:  
MOTOR PULLEY SET POINT 1 TURN OPEN.  
UNIT NOT EQUIPPED WITH ECONOMIZER. SEE ISSUES.

Written By: Wesley John on 12/12/2024

## Unit Data - PHOTO LOG



12/11/2024

# National TAB

Project:12-09-024 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: 12-09-024 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:12-09-024 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: 12-09-024 LORO DOMAIN AUSTIN, TX

System/Unit: FAN - Exhaust



Asset: DEF1

AREA:HOOD-5

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

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

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

Completed By: Wesley John on 12/09/2024

## Unit Data - PHOTO LOG



12/11/2024

# National TAB

Project: 12-09-024 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

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

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

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



# National TAB

Project: 12-09-024 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

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

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

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



12/11/2024

# National TAB

Project: 12-09-024 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

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

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

Completed By: Wesley John on 12/09/2024

## Unit Data - PHOTO LOG



12/11/2024

# National TAB

Project: 12-09-024 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

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

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

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



12/11/2024

**National TAB**  
 Project:12-09-024 LORO DOMAIN AUSTIN, TX  
**FAN - Exhaust**



**Diffuser Ret/Exh (GRD)**

**TEF1/INDOOR RR**

<b>Asset</b>									
<b>Asset Name</b>	<b>Location</b>	<b>Type</b>	<b>Size</b>	<b>DESIGN CFM</b>	<b>AK</b>	<b>CFM(1)</b>	<b>CFM(2)</b>	<b>FINAL CFM</b>	<b>% to design</b>
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
<b>Total</b>				600		414	0	414	69%

Completed By: Wesley John on 12/11/2024

# National TAB

Project: 12-09-024 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: 12-09-024 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



12/11/2024

# National TAB

Project: 12-09-024 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 Supply		
	Design	Actual
CFM	1501	1422

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

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



12/11/2024

# National TAB

Project: 12-09-024 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: 12-09-024 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



12/11/2024

# National TAB

Project: 12-09-024 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



12/11/2024

# National TAB

Project: 12-09-024 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

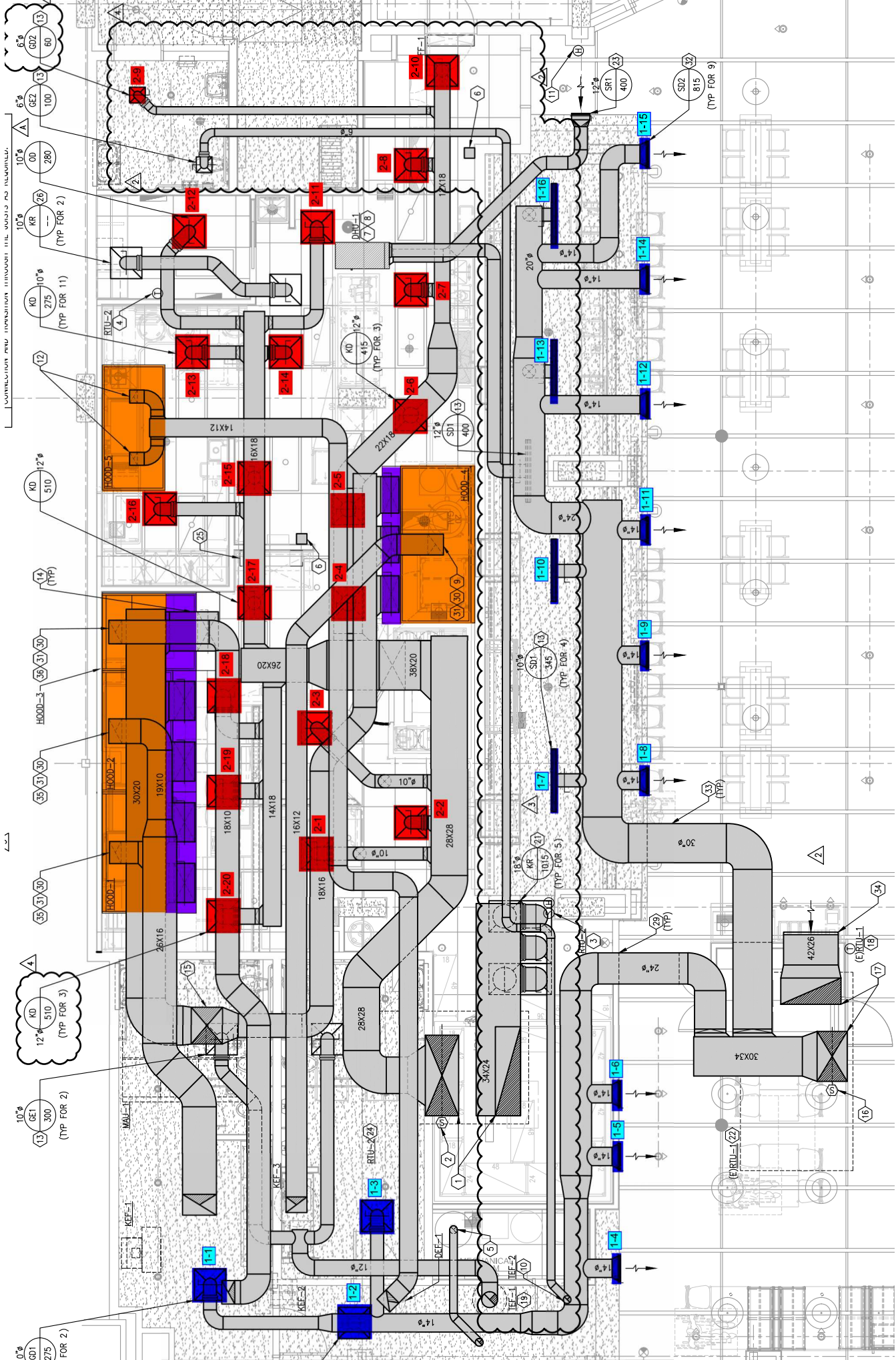
LABORATORY FANS INTENSIFIER THROUGH THE WALLS AS INDICATED.

7-1

10"

Date: 12/13/2024

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WOOD STORAGE WOOD STORAGE WOOD STORAGE