

Report By:

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



**Report: Final TAB Report
Function: Test, Adjust, & Balance
Date: 8/30/2022**

**PROJECT
08-08 CULVERS - ROGERS, AR**

4204 W NEW HOPE ST

ROGERS , AR 72758

Client

Accurex
PO Box 410
Schofield, WI 54476

National TAB

Project: 08-08 CULVERS - ROGERS, AR

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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.



Comfort. Under control.

08-08 CULVERS - ROGERS, AR

Project Issue Information

Issue Name :	A significant number of issues prevented TAB from successfully being completed.		
Description :	See issues listed in following pages that require resolution. There are other issues present that will not prevent TAB from being completed, but that will create significant performance issues. Recommend all issues be addressed.		
Created By :	National TAB	Assigned To :	National TAB - Will Turnbough
Status :	Open		
Originated Date :	08/30/2022 - Will Turnbough - National TAB		



Project Issue Information

Originated Date : 08/12/2022 - Jacob Davidson - National TAB

FuselT29730f0da56148.jpeg



Comfort. Under control.

08-08 CULVERS - ROGERS, AR

Project Issue Information

Issue Name : HIGH PRIORITY - RTU1 "Smoke Alarm" status

Description : Responsibility - MC RTU1 is showing a "Smoke Alarm" status and is not running normally as a result. Resetting the unit has not resolved. The unit is still able to be put into test mode with cooling. Unit has already been balanced.

Created By : National TAB

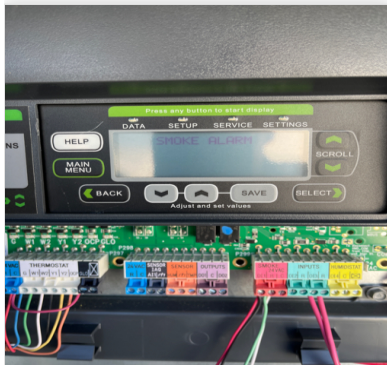
Assigned To : National TAB - Will Turnbough

Status : Open

Originated Date : 08/11/2022 - Jacob Davidson - National TAB

Project Issue Response Details

- **08/12/2022 National TAB - Jacob Davidson**
 - Attached photo of prodigy board screen.



Board.jpeg



Project Issue Information

Originated Date : 08/10/2022 - Jacob Davidson - National TAB

Humidistatmissing.jpeg



Project Issue Information

Originated Date : 08/10/2022 - Jacob Davidson - National TAB

Unitwiring.jpeg



Comfort. Under control.

08-08 CULVERS - ROGERS, AR

Project Issue Information

Issue Name : HIGH PRIORITY - RTU1 RTU2 won't run cooling
Description : Responsibility - MC Thermostats are calling for cooling and units say they are cooling but condensers are not running
Created By : National TAB **Assigned To :** National TAB - Will Turnbough
Status : Open
Originated Date : 08/11/2022 - Jacob Davidson - National TAB

Project Issue File Details



Thermostats.jpeg

08-08 CULVERS - ROGERS, AR

Project Issue Information

Issue Name : Ceiling panels not all installed around hoods

Description : Responsibility- GC Ceiling tiles need to be placed around hood to ensure good smoke capture.

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

Status : Open

Originated Date : 08/10/2022 - Jacob Davidson - National TAB

Project Issue File Details



Ceiling.jpeg



Ceiling.jpeg

Project Issue Response Details

- **08/10/2022** **National TAB - Jacob Davidson**
 - Spoke to GC and the ceiling tiles will be installed by the time we are ready for hood capture.

08-08 CULVERS - ROGERS, AR

Project Issue Information

Issue Name : PRV 3 fan cannot tilt back

Description : Responsibility - MC After MC swapped fans, PRV3 cannot lean back freely. Fan is stuck on curb.

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

Status : Open

Originated Date : 08/12/2022 - Jacob Davidson - National TAB

Project Issue File Details



FuselTb5d3246eddac48.jpeg

08-08 CULVERS - ROGERS, AR

Project Issue Information

Issue Name : PRV1 dampers inaccessible

Description : Responsibility - MC Dampers for PRV1 are above hard ceiling and cannot be reached. Restrooms are out of design and cannot be put in design until rectified.

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

Status : Open

Originated Date : 08/12/2022 - Jacob Davidson - National TAB

Project Issue File Details



FuselTef67404ed50940.jpeg

08-08 CULVERS - ROGERS, AR

Project Issue Information

Issue Name : RTU1 and RTU2 gas piping not turned on

Description : Gas piping to units has not been turned on. GC is aware. Someone is already scheduled to come out and rectify.

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

Status : Open

Originated Date : 08/10/2022 - Jacob Davidson - National TAB

08-08 CULVERS - ROGERS, AR

Project Issue Information

Issue Name : RTU2 blower not running

Description : Responsibility - MC RTU2's blower stopped running and now will not run. The unit is still getting power and receiving a signal from the thermostat. A jumper from R to G was attempted to bypass the thermostat, but this also did not work. The prodigy board being bad prevents us from putting the unit into test to keep the blower running.

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

Status : Open

Originated Date : 08/11/2022 - Jacob Davidson - National TAB

08-08 CULVERS - ROGERS, AR

Project Issue Information

Issue Name : RTU2 prodigy board malfunctioning

Description : Board displays options in another language and has mostly question marks on display. Unable to adjust language or change settings.

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

Status : Open

Originated Date : 08/10/2022 - Jacob Davidson - National TAB

Project Issue File Details



Prodigy.jpeg

Project Issue Response Details

- **08/10/2022 National TAB - Jacob Davidson**
 - After troubleshooting with LENNOX, we determined that the unit needs a new board, which will be covered under warranty. MC and GC have been made aware.

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	6000	5840	4050	3996	1950	1844	32.5%	31.6%						
RTU-2	KITCHEN	6000	NA	4100	NA	1900	NA	31.7%	NA						
PRV-1	RESTROOMS													375	373
PRV-2	HD1 GRIDDLE											1500	1487		
PRV-3	HD2 FRYERS											1500	1522		
PRV-4	HD3 DISHWASHER											350	NA		
EF-1	MOP ROOM													75	73
TOTALS		12000	5840	8150	3996	3850	1844			0	0	3350	3009	450	446

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	3850	1844
TOTAL EXHAUST	3800	3455
NET AIRFLOW	50	-1611

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H2O)
FRONT	
SIDE	-0.0158
REAR	
AVERAGE	-0.0158

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:

08-08 CULVERS - ROGERS, AR

CheckList Information

Name :	TECH - SITE PICTURES	Status :	NotSubmitted
Assigned Organization :	National TAB	Asset :	
Requesting Organization :	National TAB		

CheckList Item Details

STORE FRONT



Front.jpeg

RTU-1



RTU1.jpeg

RTU-2



RTU2.jpeg

PRV-1



PRV1.jpeg

PRV-2



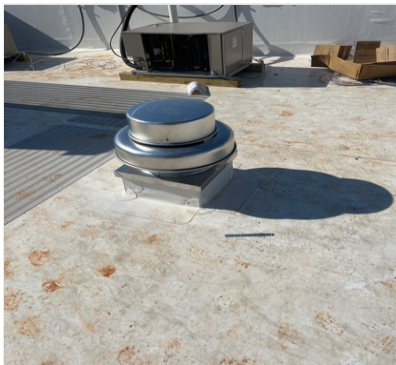
PRV2.jpeg

PRV-3



PRV3.jpeg

PRV-4



PRV4.jpeg

EF-1A



Mopfan.jpeg

HOOD 1



HD1.jpeg

HOOD 2



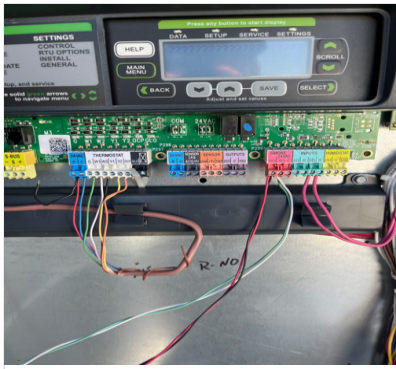
HD2.jpeg

HOOD 3

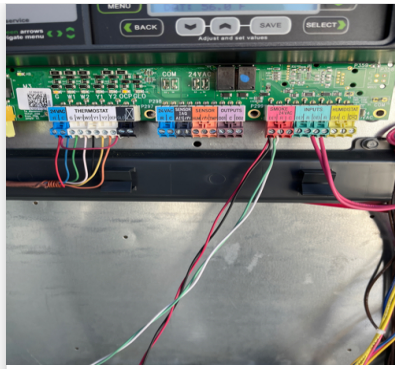


HD3.jpeg

PRODIGY BOARD WIRING

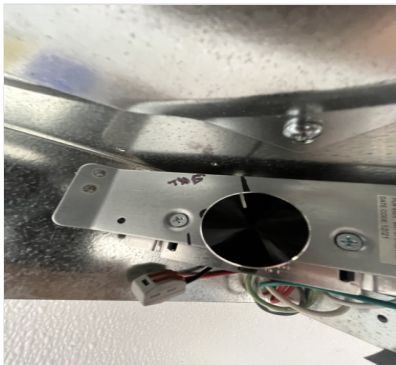


RTU2.jpeg



RTU1.jpeg

EF1A SETPOINT



Set.jpeg

Notes/Comments :

08-08 CULVERS - ROGERS, AR

CheckList Information

Name : TECH - STEP 1: INITIAL WALKTHROUGH **Status :** NotSubmitted

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

CheckList Item Details

INITIAL SITE WALKTHROUGH

All diffusers and grilles are installed and match design? YES

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



Diffusers.jpeg

All hood filters installed and accounted for? NO, FILTERS ACCOUNTED FOR BUT NOT INSTALLED



Griddle.jpeg



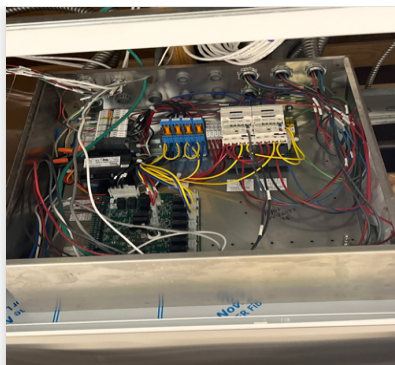
Fryers.jpeg

Hoods are wired and have power?

NO, ELECTRICIAN IS WORKING ON AND WILL HAVE POWERED 8/11 or 8/12



HMI.jpeg



Electricbox.jpeg

Thermostats have power?

YES



Thermostats.jpeg

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

YES

On the cookline diffusers neck is there 18" (12" minimum)
straight rigid duct run attached?

YES



Flexoverstraight.jpeg

Notes/Comments :

08-08 CULVERS - ROGERS, AR

CheckList Information

Name : TECH - STEP 2: UNIT DATA AND EVAL **Status :** NotSubmitted

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

CheckList Item Details

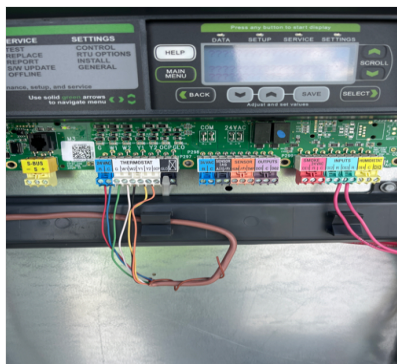
UNIT DATA AND EVALUATION WHILE GATHERING UNIT DATA CHECK THE FOLLOWING:

RTU's/AHU's

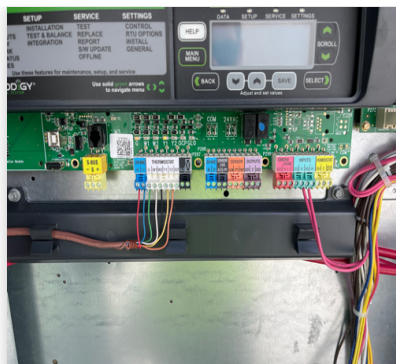
Economizers are assembled and functional?

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.)

No.



RTU1.jpeg



RTU2.jpeg

Motors are all operating below the FLA rating? YES

Are belts tight? YES

If direct drive unit is the speed controller working. NA

Is gas piping installed and valves turned on? INSTALLED. NOT ON



RTU1.jpeg



RTU2.jpeg

Unit free of noticeable noise and vibration

YES

EF's

Rotation is correct?

Belts are tight?

Grease cup installed on hood fan?

Hinge kit installed installed on hood fan?

YES

Lean grease rated fans back. Is grease duct installation adequate and is duct ran all the way to the base of the fan?

YES



PRV2.jpeg



PRV3.jpeg

Flex conduit is long enough so that fan can be completely tilted back?

YES

There is no major leakage around base of fan?

Is the motor operating below the motor FLA rating?

For restroom fan(s) is the back draft damper installed and can it fully open?

YES



Bddamper.jpeg

Unit free of noticeable noise and vibration?

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

NO. FANS ARE SWITCHED. NEED TO BE SWAPPED



FuseITb1644f443cf24cb...



FuseIT88872d75102a4fb...



File.jpeg

HOODS

Kitchen equipment installed in proper places?

YES

Can kitchen equipment be turned on for final smoke test?

NO, START UPS NOT DONE



Fryers.jpeg

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

DOCUMENTATION

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

YES

Notes/Comments :

08-08 CULVERS - ROGERS, AR

CheckList Information

Name : TECH - STEP 3: TEST, ADJUST AND BALANCE **Status :** NotSubmitted

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

CheckList Item Details

TEST, ADJUST, AND BALANCE ALL EQUIPMENT:

DURING TESTING MAKE NOTE OF THE FOLLOWING:

Is space free of drafting?

Is space comfortable in all areas?

Is the space free of ventilation noise?

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

Notes/Comments :

National TAB

Project: 08-08 CULVERS - ROGERS, AR

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU1

AREA: DINING

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5622F07312
Model Num	NA	LGH180H4BS4Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	3
OA Filter Size 1	-	13X23
Num Final Filter 1	-	6
Final Filter Size 1	-	24X24X2

Motor Data		
	Design	Actual
Motor MFG	-	INTERLINK
Frame	-	56HZ
Horsepower	-	3
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	208	200-230
Rated Amperage	-	8.0-7.8

Drive Data		
	Design	Actual
Motor Sheave Size	-	3.75"
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	5 TURNS OUT
Fan Sheave Size	-	BK72
Fan Sheave Bore	-	1 3/16"
Belt CL Distance	-	20.5"
Num of Belts	-	1
Belt Size	-	BX55
Belt Alignment	-	VERIFIED

Test Data		
	Design	Actual
SF CFM	6000	5840
SF RPM	-	733
RA CFM	4050	3996
OA CFM	1950	1844
RL Voltage	-	211/210/212
RL Amperage	-	5.8/5.9/6.1
SF Rotation	-	CCW
RA Damper Position	-	49%
Min OA Damper Position	-	49%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	19 mA

Performance Data		
	Design	Actual
MA Plenum SP	-	0.47"
Fan Suction SP	-	-0.67"
Fan Discharge SP	-	0.23"
Total ESP	-	0.70"
Fan Total SP	-	0.90"

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

Completed By: Dan Hertenstein

Notes:

National TAB

Project:08-08 CULVERS - ROGERS, AR

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	CD13	8"	150	1	188	182	140	93.3
SGRD2	MENS RR	CD15	8"	125	1	118	94	124	99.2
SGRD3	WOMENS RR	CD15	8"	125	1	158	147	125	100.0
SGRD4	HALL	CD16	12"	450	1	355	323	453	100.7
SGRD5	DINING	CD10	8"	125	1	3	190	123	98.4
SGRD6	DINING	CD10	8"	150	1	197	205	148	98.7
SGRD7	DINING	CD10	8"	150	1	239	223	165	110.0
SGRD8	DINING	CD10	8"	150	1	227	199	162	108.0
SGRD9	DINING	CD10	8"	150	1	149	126	146	97.3
SGRD10	DINING	CD10	8"	125	1	6	134	118	94.4
SGRD11	DINING	CD10	8"	150	1	245	227	178	118.7
SGRD12	DINING	CD10	8"	150	1	171	155	143	95.3
SGRD13	DINING	CD10	8"	150	1	247	214	164	109.3
SGRD14	DINING	CD10	8"	125	1	223	170	143	114.4
SGRD15	DINING	CD10	8"	125	1	303	259	128	102.4
SGRD16	DINING	CD10	8"	150	1	184	154	148	98.7
SGRD17	DINING	CD10	8"	150	1	223	200	149	99.3
SGRD18	DINING	CD10	8"	150	1	224	192	145	96.7
SGRD19	DINING	CD10	8"	150	1	181	160	137	91.3
SGRD20	DRINKS & CONDIMENT S	CD18	10"	300	1	20	349	288	96.0
SGRD21	ENTRY	CD10	8"	150	1	144	141	182	121.3
SGRD22	CUSTOMER ORDER AREA	CD16	12"	450	1	386	340	437	97.1
SGRD23	CUSTOMER SERVICE	WD10	10"	350	1	414	370	356	101.7
SGRD24	CUSTOMER SERVICE	WD10	10"	350	1	325	288	362	103.4
SGRD25	CUSTOMER SERVICE	WD10	10"	350	1	333	234	317	90.6
SGRD26	CUSTOMER SERVICE	WD10	10"	350	1	49	226	296	84.6
SGRD27	DRIVE THRU	CD11	12"	500	1	336	289	376	75.2
SGRD28	OFFICE	CD12	8"	125	1	94	83	113	90.4
SGRD29	EMPLOYEE RR	CD14	6"	75	1	104	95	74	98.7

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National TAB

Project: 08-08 CULVERS - ROGERS, AR

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU2

AREA: KITCHEN

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5622F07316
Model Num	NA	LGH180H4BS4Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	3
OA Filter Size 1	-	13X23
Num Final Filter 1	-	6
Final Filter Size 1	-	24X24X2

Motor Data		
	Design	Actual
Motor MFG	-	INTERLINK
Frame	-	56HZ
Horsepower	-	3
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	208	200-230
Rated Amperage	-	8.0-7.8

Drive Data		
	Design	Actual
Motor Sheave Size	-	3.75"
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	6 TURNS OUT
Fan Sheave Size	-	BK72
Fan Sheave Bore	-	1 3/16"
Belt CL Distance	-	20.5"
Num of Belts	-	1
Belt Size	-	BX55
Belt Alignment	-	VERIFIED

Test Data		
	Design	Actual
SF CFM	6000	
SF RPM	-	704
RA CFM	4100	
OA CFM	1900	
RL Voltage	-	211/212/212
RL Amperage	-	6.1/6.2/5.9
SF Rotation	-	CCW
RA Damper Position	-	[1]
Min OA Damper Position	-	[1]
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	[1]
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	

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

Completed By: Dan Hertenstein

Notes: [1] PRODIGY BOARD IS DEFECTIVE AND NEEDS TO BE REPLACED. UNABLE TO SET ENTHALPY AND OA POSITION. DAMPER POSITION WILL BE MARKED FOR WHEN NEW BOARD COMES IN.

National TAB

Project: 08-08 CULVERS - ROGERS, AR

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 SERVICE	CD20	12"	550					-
SGRD2	SUNDAE SERVICE	CD22	12"	600					-
SGRD3	FRYERS	CD23	8"	200					-
SGRD4	FRYERS	CD24	12"	375					-
SGRD5	FOOD PREP	CD25	12"	400					-
SGRD6	FOOD PREP	CD25	12"	400					-
SGRD7	GRIDDLE	CD26	10"	250					-
SGRD8	GRIDDLE	CD27	10"	275					-
SGRD9	ALCOVE	CD28	6"	100					-
SGRD10	DISHWAS HING	CD21	10"	350					-
SGRD11	DISHWAS HING	CD21	10"	350					-
SGRD12	DISHWAS HING	CD21	12"	350					-
SGRD13	UTILITY	CD29	12"	600					-
SGRD14	DRY GOODS	WD20	12"	600					-
SGRD15	DRY GOODS	WD20	12"	600					-

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National TAB

Project: 08-08 CULVERS - ROGERS, AR
System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF-1

AREA:MOP ROOM

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XRED-090-D	XRED-090-D
Serial Num	-	
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	900	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	
Service Factor	-	

Completed By: Dan Hertenstein

Notes:

Test Data		
	Design	Actual
CFM	75	73
Fan RPM	885	DD
Fan Rotation	-	CCW
Motor RPM	-	DD
System SetPt	-	SEE PIC
RL Voltage	-	NOT SAFE
RL Amperage	-	0.14
Total ESP	0.125"	UTO
Fan Inlet SP	-	UTO
Fan Discharge SP	-	UTO

National TAB

Project: 08-08 CULVERS - ROGERS, AR

System/Unit: FAN - Exhaust



Asset: PRV-1

AREA:RESTROOMS

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XRED-090-D	XRED-090-V6-1-17-X
Serial Num	-	2012647722F
Type	DOWNBLAST	DOWNBLAST
Configuration	HORIZONTAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	BROAD-OCEAN
Frame	-	NL
Horsepower	0.0667	1/10
Motor Rpm	150	300-1750
Phase	1	1
Voltage (rated)	115	115/208-230
Amperage (rated)	-	1.38/0.84
Service Factor	-	NL

Completed By: Dan Hertenstein

Notes:

Test Data		
	Design	Actual
CFM	375	373
Fan RPM	1479	DD
Fan Rotation	-	CW
Motor RPM	-	DD
System SetPt	-	6 OF 10
RL Voltage	-	NOT SAFE
RL Amperage	-	0.74
Total ESP	0.5"	-0.31"
Fan Inlet SP	-	0.31"
Fan Discharge SP	-	ATM

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Project:08-08 CULVERS - ROGERS, AR

FAN - Exhaust



Diffuser Ret/Exh (GRD)

PRV-1/RESTROOMS

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	MENS RR	EG2	8"	150	1	118	94	94	62.7
EGRD2	WOMENS RR	EG2	8"	150	1	192	161	161	107.3
EGRD3	EMPLOYEE RR	EG1	8"	75	1	148	118	118	157.3

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National TAB

Project: 08-08 CULVERS - ROGERS, AR

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: PRV-2

AREA:HD1 GRIDDLE

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XRUB-161XP-15	XRUB-160XP-15-1-26-6
Serial Num	-	2012661122F
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	NEMA
Frame	-	56
Horsepower	1.5	1.5
Motor Rpm	1725	1760
Phase	3	3
Voltage (rated)	208	230/460
Amperage (rated)	-	4.2/2.1
Service Factor	-	1.15

Drive Data		
	Design	Actual
Motor Sheave Size	-	VP44
Motor Bore Size	-	5/8"
Motor Sheave SetPt	-	2 TURNS OUT
Fan Sheave Size	-	3"
Fan Sheave Bore	-	1"
Belt CL Distance	-	TENSIONER IN PLACE
Num of Belts	-	1
Belt Size	-	AX24

Test Data		
	Design	Actual
CFM	1500	1487
Fan RPM	2411	2049
Fan Rotation	-	CW
Motor RPM	-	1771
RL Voltage	-	209/211/210
RL Amperage	-	3.2/3.1/2.9
Suction ESP	-	-0.69"
Discharge ESP	-	ATM
Total ESP	2.337"	0.69"

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Notes:

National TAB

Project: 08-08 CULVERS - ROGERS, AR

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: PRV-3

AREA:HD2 FRYER

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XRUB-141-7	XRUB-140-7-1-26-G
Serial Num	-	2012676522F
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	NEMA
Frame	-	56
Horsepower	0.75	0.75"
Motor Rpm	1725	1760
Phase	3	3
Voltage (rated)	208	230/460
Amperage (rated)	-	2.3/1.15
Service Factor	-	1.25

Drive Data		
	Design	Actual
Motor Sheave Size	-	VP34S
Motor Bore Size	-	5/8"
Motor Sheave SetPt	-	5 TURNS OUT
Fan Sheave Size	-	AK41
Fan Sheave Bore	-	3/4"
Belt CL Distance	-	TENSIONER IN PLACE
Num of Belts	-	1
Belt Size	-	AP23

Test Data		
	Design	Actual
CFM	1500	1522
Fan RPM	1377	980
Fan Rotation	-	CW
Motor RPM	-	1765
RL Voltage	-	212/210/211
RL Amperage	-	1.5/1.5/1.6
Suction ESP	-	UTO
Discharge ESP	-	UTO
Total ESP	1.0"	UTO

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Notes: FAN IS CAUGHT ON CURB AND CANNOT BE LEANED BACK TO TAKE PRESSURE READING.

National TAB

Project: 08-08 CULVERS - ROGERS, AR

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: PRV-4

AREA:

Unit Data		
	Design	Actual
MFG	NA	ACCUREX
Model Num	NA	XRED-095-6-V6-1-17-X
Serial Num	-	2012684622F
Type	-	DOWNBLAST
Configuration	-	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	BROAD-OCEAN
Frame	-	NL
Horsepower	-	1/6
Motor Rpm	-	300-1750
Phase	-	1
Voltage (rated)	-	115/208-230
Amperage (rated)	-	2.2/1.3
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	350	373
Fan RPM	-	DD
Fan Rotation	-	CW
Motor RPM	-	DD
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	-	
Fan Inlet SP	-	
Fan Discharge SP	-	ATM

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Notes:

National TAB

Project: 08-08 CULVERS - ROGERS, AR

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XGEP-64-S	XGEP-64.00-S
Job / Serial Num	-	20114420
Type	TYPE I LOW PROXIMITY	TYPE I LOW PROXIMITY
Hood length	64"	64"
Hood Width	23"	23"

Test Data Exhaust		
	Design	Actual
Filter Type	GREASE GRABBER	GREASE GRABBER
Filter Size 1	16X16	16X16
Filter Qty 1	4	4
Filter AK factor size 1	1.53	1.53
Filter Total AK Area	6.12	6.12
Filter1 FPM	-	256
Filter2 FPM	-	237
Filter3 FPM	-	231
Filter4 FPM	-	250
Filter Ave FPM(corr)	-	243
CFM	-	1487

Cooking Equipment		
	Design	Actual
Item 1	-	GRIDDLE

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Notes:

Performance Data		
	Design	Actual
Smoke Generation Type	-	
Hood Capture %	-	
End Panels Installed (Y/N)	-	

General		
	Design	Actual
Third Party Witness	-	
Third Party Company	-	
Tech Witness	-	

National TAB

Project: 08-08 CULVERS - ROGERS, AR

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD2

AREA:FRYER

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XXEP-83-S	XXEP-83.00-S
Job / Serial Num	-	20114419
Type	TYPE I LOW PROXIMITY	TYPE I LOW PROXIMITY
Hood length	83"	83"
Hood Width	23"	23"

Test Data Exhaust		
	Design	Actual
Filter Type	X-TRACTOR	X-TRACTOR
Filter Size 1	16X16	16X16
Filter Qty 1	5	5
Filter AK factor size 1	1.53	1.53
Filter Total AK Area	7.65	7.65
Filter1 FPM	-	207
Filter2 FPM	-	201
Filter3 FPM	-	195
Filter4 FPM	-	194
Filter5 FPM	-	201
Filter Ave FPM(corr)	-	199
CFM	-	1522

Cooking Equipment		
	Design	Actual
Item 1	-	FRYERS

Performance Data		
	Design	Actual
Smoke Generation Type	-	
Hood Capture %	-	

General		
	Design	Actual
Third Party Witness	-	
Third Party Company	-	
Tech Witness	-	

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Notes:

National TAB

Project: 08-08 CULVERS - ROGERS, AR

System/Unit: Kitchen Hood Type II



Comfort. Under control.

Asset: HD3

AREA:

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	NA	XD3-42.00-S
Serial Num	-	20114421
Type	-	TYPE II CANOPY
Hood length	-	42"
Hood Width	-	42"

Test Data		
	Design	Actual
Exhaust CFM	350	

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Notes:

ALL SUPPLY DUCTWORK TO BE LOCATED IN RESS SPACE. MECHANICAL CONTRACTORS SHALL COORDINATE WITH STRUCTURAL ENGINEER AND RESS MANUFACTURER FOR DUCT SPACE REQUIRED (FRIED RESSSES).
4. VERIFY ALL DIFFUSER AND RETURN GRILLE COORDS WITH OWNER AND ARCHITECT.

