Report By:

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

Report: TAB REPORT

Function: Test, Adjust, & Balance

Date: 03/13/2024

PROJECT

03-11-24 CULVERS MISHAWAKA, IN

12571 Mckinkey Hwy

Mishawaka, IN 46545

Client

Captive-Aire Region #60

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.

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	6150	6157	4400	4343	1750	1814	28.5%	29.5%						
RTU-2	KITCHEN	6225	6085	4525	4320	1700	1765	27.3%	29.0%						
PRV-1	RESTROOM													300	301
PRV-2	HOOD 1											1500	1529		
PRV-3	HOOD 2											1500	1580		
EF1	MOP ROOM													75	75
EF1	EMPLOYEE RR													75	82
TOTALS		12375	12242	8925	8663	3450	3579			0	0	3000	3109	375	376

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	3450	3579
TOTAL EXHAUST	3375	3485
NET AIRFLOW	75	94

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H20)
FRONT	0.009
SIDE	0.01
REAR	0.007
AVERAGE	**0.008**

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:

FaciliBuild make it easy

CheckList List

- TECH 00- SITE PICTURES
- TECH 01 - INITIAL SITE WALKTHROUGH
- TECH 02 - UNIT DATA AND EVALUATION
- TECH 03 - TEST ADJUST AND BALANCE
- TECH 04 - FINAL TESTS

03-11-24 CULVERS MISHAWAKA, IN

CheckList Information

Name :	TECH 00- SITE PICTURES	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	02/26/2024 - Ian Fuller - National TAB		

CheckList Item Details

STORE FRONT

Comment:

CULVERS_MISHAWAKA_IN...
03/12/2024

RTU-1

Comment:

RTU_1
03/13/2024

RTU-2

Comment:

RTU_2
03/13/2024

PRV-1

Comment:

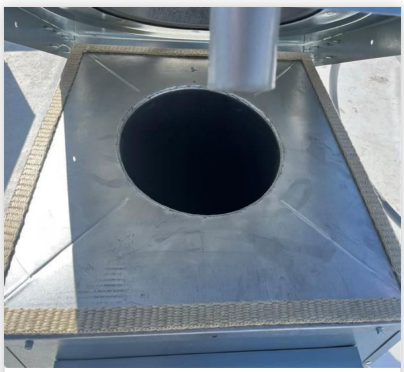
PRV_1
03/12/2024

PRV_1_BACKDRAFT
03/12/2024

PRV-2

Comment:

PRV_2_GRIDDLE
03/13/2024



PRV_2_CURB
03/12/2024

PRV-3

Comment:

PRV_3_CURB
03/12/2024

PRV_3_FRYER
03/12/2024

HOOD 1

Comment:

HD_1_GRIDDLE
03/13/2024

HOOD 2

Comment:

HD_2_FRYER
03/13/2024

EF-1A MOP

Comment:

EF_1A_MOP
03/12/2024

EF-1A EMPLOYEE RR

Comment:

EF_1A_ERR
03/12/2024

03-11-24 CULVERS MISHAWAKA, IN

CheckList Information

Name :	TECH 01 - INITIAL SITE WALKTHROUGH	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	02/26/2024 - Ian Fuller - 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:	
On arrival, DOAS HMIs were not powered. Transformer TR-05 replaced, HMIs now powered.	
Have trades/general contractor been notified about any issues and are they created on FaciliBuild?	
Comment:	
Yes	

03-11-24 CULVERS MISHAWAKA, IN

CheckList Information

Name :	TECH 02 - UNIT DATA AND EVALUATION	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	02/26/2024 - Ian Fuller - 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:

Captive Aire DOAS units installed. Kitchen unit is interlocked with hood operation.

Motors are all operating below the FLA rating?	Yes

Comment:

Are belts tight?

Comment:

NA, units direct drive.

If direct drive unit is the speed controller working.

Comment:

Yes

FaciliBuild make it easy

Is gas piping installed and valves turned on?	Yes

Comment:

Unit free of noticeable noise and vibration	No

Comment:

RTU-1 has some slight vibration.

EF's

Rotation is correct?	Yes

Comment:

Belts are tight?

Comment:

NA, fans are Direct Drive.

Grease cup installed on hood fan?	Yes

Comment:

Hinge kit installed installed on hood fan?	Yes

Comment:

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

Comment:

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

Comment:

There is no major leakage around base of fan?	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:	
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?	Yes
Comment:	
Second stage Grease Grabber filters are installed on the griddle hood?	N/A
Comment: Captive Aire Hoods Installed.	
DOCUMENTATION	
Have trades/general contractor been notified about any issues and are they created on FaciliBuild?	Yes
Comment:	

03-11-24 CULVERS MISHAWAKA, IN

CheckList Information

Name :	TECH 03 - TEST ADJUST AND BALANCE	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	02/26/2024 - Ian Fuller - 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?	No

Comment:

Dining DOAS unit is audible from dining area when blower is running.

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

Comment:

NA

FaciliBuild make it easy

03-11-24 CULVERS MISHAWAKA, IN

CheckList Information

Name :	TECH 04 - FINAL TESTS	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	02/26/2024 - Ian Fuller - National TAB		

CheckList Item Details

FINAL TESTS

HOOD CAPTURE TEST

List equipment turned on for testing

Comment:

Griddle, Fryer

List smoke candle type used

Comment:

45 second smoke emitter

Smoke test capture - Perimeter of hood

Comment:

100%

Smoke test capture - Top of cooking surface

Comment:

100%

WITNESS

Date test was completed	03/12/2024

Comment:

FaciliBuild make it easy

TAB tech name / Firm

Comment:

Michael McDonnell / National TAB

Site super name / Firm

Comment:

McCon Construction

Owner representative name / Firm (if Applicable)

Comment:

NA

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

Comment:

0.009

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:

Kitchen DOAS interlocked with Hood operation. Dining DOAS running off of schedule.

National TAB

Project: 03-11-24 CULVERS MISHAWAKA, IN

System/Unit: AHU/RTU

Asset: RTU1 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	LENNOX	CAPTIVE AIRE
Serial Num	-	6175285
Model Num	ENLIGHT LGT	CASRTU3-I.300-24-20T
Type	RTU	DOAS
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	4
OA Filter Size 1	-	16X25
Num Final Filter 1	-	8
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	**Actual**
Motor MFG	-	TECO WESTINGHOUSE
Frame	-	215T
Horsepower	-	10.0
Motor Rpm	-	1755
Phase	3	3
Rated Voltage	208	230
Rated Amperage	-	24.3

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	DD
Motor Bore Size	-	DD
Motor Sheave SetPt	-	53.0 HZ
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	6157
SF RPM	-	1550
RA CFM	4400	4343
OA CFM	1750	1814
RL Voltage	-	161 @VFD
RL Amperage	-	22.8 @VFD
SF Rotation	-	CCW, CORRECT
Min OA Damper Position	-	4.9 VDC
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	**Actual**
Fan Discharge SP	-	0.616"

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

Completed By: Michael McDonnell on 03/13/2024

Notes:
[1] OCCUPANCY RUNNING OFF OF SCHEDULE.

Written By: Michael McDonnell on 03/14/2024

FaciliBuild make it easy

National TAB

Project:03-11-24 CULVERS MISHAWAKA, IN

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	WOMEN'S RR	SD-4	8"	150	1.0	157	146	150	100.0
RTU1-SGRD2	MEN'S RR	SD-4	8"	150	1.0	175	182	161	107.3
RTU1-SGRD3	ENTRY	SD-4	8"	150	1.0	205	221	150	100.0
RTU1-SGRD4	DINING	SD-1	12"	450	1.0	433	392	476	105.8
RTU1-SGRD5	DINING	SD-1	8"	150	1.0	120	105	164	109.3
RTU1-SGRD6	DINING	SD-1	8"	150	1.0	153	140	162	108.0
RTU1-SGRD7	DINING	SD-1	8"	150	1.0	187	179	140	93.3
RTU1-SGRD8	DINING	SD-1	8"	150	1.0	220	219	146	97.3
RTU1-SGRD9	DINING	SD-1	8"	150	1.0	167	195	146	97.3
RTU1-SGRD10	DINING	SD-1	8"	150	1.0	179	229	159	106.0
RTU1-SGRD11	DINING	SD-1	8"	150	1.0	156	136	154	102.7
RTU1-SGRD12	DINING	SD-1	8"	150	1.0	177	191	158	105.3
RTU1-SGRD13	DINING	SD-1	8"	150	1.0	174	168	156	104.0
RTU1-SGRD14	DINING	SD-1	8"	150	1.0	173	169	164	109.3
RTU1-SGRD15	DINING	SD-1	8"	150	1.0	228	223	157	104.7
RTU1-SGRD16	DINING	SD-1	8"	150	1.0	191	154	161	107.3
RTU1-SGRD17	DINING	SD-1	8"	150	1.0	153	158	163	108.7
RTU1-SGRD18	DINING	SD-1	10"	300	1.0	264	253	330	110.0
RTU1-SGRD19	DINING	SD-1	8"	150	1.0	212	226	156	104.0
RTU1-SGRD20	DINING	SD-1	12"	450	1.0	471	431	412	91.6
RTU1-SGRD21	DINING	SD-1	8"	150	1.0	273	266	153	102.0
RTU1-SGRD22	SERVING	SD-1	10"	350	1.0	343	308	350	100.0
RTU1-SGRD23	SERVING	SD-1	10"	350	1.0	339	314	351	100.3
RTU1-SGRD24	SERVING	SD-1	10"	350	1.0	299	262	318	90.9
RTU1-SGRD25	SERVING	SD-1	10"	350	1.0	278	240	323	92.3
RTU1-SGRD26	DRIVE-THRU	SD-1	12"	500	1.0	469	407	450	90.0
RTU1-SGRD27	OFFICE	SD-1	8"	200	1.0	206	182	201	100.5
RTU1-SGRD28	DINING	SD-1	8'	150	1.0	158	163	146	97.3
Total				6150		6560	6259	6157	100.11%

Completed By: Michael McDonnell on 03/13/2024

FaciliBuild
make it easy

National TAB

Project: 03-11-24 CULVERS MISHAWAKA, IN

System/Unit: AHU/RTU

Asset: RTU2 AREA:KITCHEN

Unit Data		
	Design	**Actual**
MFG	LENNOX	CAPTIVE AIRE
Serial Num	-	6175285
Model Num	ENLIGHT LGT	CASRTU-3-I.250-24-20T
Type	RTU	DOAS
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	4
OA Filter Size 1	-	16X25
Num Final Filter 1	-	8
Final Filter Size 1	-	20X25X2

Test Data		
	Design	**Actual**
SF CFM	6225	6085
SF RPM	-	1667
RA CFM	4525	4320
OA CFM	1700	1765
RL Voltage	-	181 @ VFD
RL Amperage	-	24.3 @ VFD
SF Rotation	-	CCW, CORRECT
Min OA Damper Position	-	4.8 VDC
Min OA Damper Type	-	ECONOMIZER

Motor Data		
	Design	**Actual**
Motor MFG	-	TECO WESTINGHOUSE
Frame	-	215T
Horsepower	-	10.0
Motor Rpm	-	1755
Phase	-	3
Rated Voltage	-	230
Rated Amperage	-	24.3

Performance Data		
	Design	**Actual**
Fan Discharge SP	-	0.914"

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

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	DD
Motor Bore Size	-	DD
Motor Sheave SetPt	-	57.0 HZ
Fan Sheave Size	-	DD
Fan Sheave Bore	-	DD
Belt CL Distance	-	DD
Num of Belts	-	DD
Belt Size	-	DD
Belt Alignment	-	DD

Completed By: Michael McDonnell on 03/13/2024

Notes:
[1] OCCUPANCY INTERLOCKED WITH HOOD OPERATION.

Written By: Michael McDonnell on 03/14/2024

FaciliBuild make it easy

National TAB

Project:03-11-24 CULVERS MISHAWAKA, IN

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	DRIVE-THRU	SD-1	12"	600	1.0	481	462	634	105.7
RTU2-SGRD2	DRIVE-THRU	SD-1	12"	600	1.0	471	486	595	99.2
RTU2-SGRD3	DINING	SD-5	10"	275	1.0	167	173	257	93.5
RTU2-SGRD4	DINING	SD-5	10"	250	1.0	162	158	246	98.4
RTU2-SGRD5	DINING	SD-5	12"	400	1.0	472	471	414	103.5
RTU2-SGRD6	DINING	SD-5	12"	400	1.0	472	407	399	99.8
RTU2-SGRD7	DINING	SD-5	12"	375	1.0	48	597	354	94.4
RTU2-SGRD8	DINING	SD-5	10"	200	1.0	387	407	184	92.0
RTU2-SGRD9	DINING	SD-5	12"	350	1.0	264	204	344	98.3
RTU2-SGRD10	DINING	SD-5	12"	350	1.0	351	221	335	95.7
RTU2-SGRD11	DINING	SD-5	12"	350	1.0	770	785	366	104.6
RTU2-SGRD12	DRY GOODS	SD-1	12"	600	1.0	541	560	547	91.2
RTU2-SGRD13	DRY GOODS	SD-1	10"	200	1.0	426	444	200	100.0
RTU2-SGRD14	RESTROOM	SD-4	6"	75	1.0	78	95	77	102.7
RTU2-SGRD15	DRY GOODS	SD-1	12"	600	1.0	414	401	588	98.0
RTU2-SGRD16	UTILITY ROOM	SD-1	12"	600	1.0	406	423	545	90.8
Total				6225		5910	6294	6085	97.75%

Completed By: Michael McDonnell on 03/13/2024

FaciliBuild make it easy

National TAB

Project: 03-11-24 CULVERS MISHAWAKA, IN

System/Unit: FAN - Exhaust

Asset: EFA1 AREA:MOP

Unit Data		
	Design	**Actual**
MFG	ACCUREX	CAPTIVE AIRE
Model Num	XCR-B80	CFA 100 CA
Serial Num	-	6175285
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Horsepower	0.01	0.116
Motor Rpm	900	640
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	1.1

Test Data		
	Design	**Actual**
CFM	75	75
Fan RPM	885	DD
Fan Rotation	-	CCW, CORRECT
Motor RPM	-	DD
System SetPt	-	SINGLE SPEED
RL Voltage	-	124.5
RL Amperage	-	0.2

Completed By: Michael McDonnell on 03/13/2024

FaciliBuild make it easy

National TAB

Project: 03-11-24 CULVERS MISHAWAKA, IN

System/Unit: FAN - Exhaust

Asset: EFB1 AREA:EMPLOYEE RR

Unit Data		
	Design	**Actual**
MFG	ACCUREX	CAPTIVE AIRE
Model Num	XCR-B80	CFA 100 CA
Serial Num	-	6175285
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Horsepower	0.01	0.116
Motor Rpm	900	640
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	1.1

Test Data		
	Design	**Actual**
CFM	75	82
Fan RPM	885	DD
Fan Rotation	-	CCW,CORRECT
Motor RPM	-	DD
System SetPt	-	SINGLE SPEED
RL Voltage	-	125.1
RL Amperage	-	0.2

Completed By: Michael McDonnell on 03/13/2024

FaciliBuild make it easy

National TAB

Project: 03-11-24 CULVERS MISHAWAKA, IN

System/Unit: FAN - Exhaust

Asset: PRV1 AREA:RESTROOM

Unit Data		
	Design	**Actual**
MFG	ACCUREX	CAPTIVE AIRE
Model Num	XRED-090-VG	DR12HFA
Serial Num	-	6175285
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TELCO GREEN
Horsepower	0.060	0.25
Motor Rpm	1725	1800
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	2.9

Test Data		
	Design	**Actual**
CFM	300	301
Fan RPM	1465	1159
Fan Rotation	-	CCW, CORRECT
Motor RPM	-	1159
System SetPt	-	62%
RL Voltage	-	NR
RL Amperage	-	NR
Total ESP	0.50"	0.29"
Fan Inlet SP	-	-0.29"
Fan Discharge SP	-	ATM

Completed By: Michael McDonnell on 03/13/2024

FaciliBuild make it easy

National TAB

Project:03-11-24 CULVERS MISHAWAKA, IN

FAN - Exhaust

Diffuser Ret/Exh (GRD)

PRV1/RESTROOM

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
PRV1-EGRD1	MENS RR	EG-1	10"	150	1.0	139	143	143	95.3
PRV1-EGRD2	WOMENS RR	EG-1	10"	150	1.0	208	158	158	105.3
Total				300		347	301	301	100.33%

Completed By: Michael McDonnell on 03/12/2024

FaciliBuild make it easy

National TAB

Project: 03-11-24 CULVERS MISHAWAKA, IN

System/Unit: FAN - Exhaust

Asset: PRV2 AREA:HD-1 GRIDDLE

Unit Data		
	Design	**Actual**
MFG	ACCUREX	CAPTIVE AIRE
Model Num	XCUE-140-VG	DU85HFA
Serial Num	-	6175285
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TELCO GREEN
Horsepower	1.0	1.0
Motor Rpm	1725	1800
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	11.6

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	DD
Motor Bore Size	-	DD
Motor Sheave SetPt	-	61%
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	1529
Fan RPM	1702	1225
Fan Rotation	-	CCW
Motor RPM	-	1225
RL Voltage	-	126.1
RL Amperage	-	3.0
Suction ESP	-	-0.76"
Discharge ESP	-	ATM
Total ESP	1.8"	0.76"

Completed By: Michael McDonnell on 03/13/2024

FaciliBuild make it easy

National TAB

Project: 03-11-24 CULVERS MISHAWAKA, IN

System/Unit: FAN - Exhaust

Asset: PRV3 AREA:HD-2 FRYER

Unit Data		
	Design	**Actual**
MFG	ACCUREX	CAPTIVE AIRE
Model Num	XCUE-140-VG	DU85HFA
Serial Num	-	6175285
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TELO GREEN
Horsepower	1.0	1.0
Motor Rpm	1725	1800
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	11.6

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	DD
Motor Bore Size	-	DD
Motor Sheave SetPt	-	54%
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	1580
Fan RPM	1349	1073
Fan Rotation	-	CCW
Motor RPM	-	1073
RL Voltage	-	125.8
RL Amperage	-	2.2
Suction ESP	-	-0.61"
Discharge ESP	-	ATM
Total ESP	1.0"	0.61"

Completed By: Michael McDonnell on 03/13/2024

FaciliBuild make it easy

National TAB

Project: 03-11-24 CULVERS MISHAWAKA, IN

System/Unit: Kitchen Hood Type I

Asset: HD1 AREA:GRIDDLE

Unit Data		
	Design	**Actual**
MFG	ACCUREX	CAPTIVE AIRE
Model Num	XGEP-64-S	3347 BD-2
Job / Serial Num	-	6175285
Type	TYPE 1 LOW PROXIMITY	TYPE I
Hood length	83"	66"
Hood Width	23"	33"

Test Data Exhaust		
	Design	**Actual**
Filter Type	X-TRACTOR	CAPTRATE SOLO
Filter Size 1	16X16	16X16
Filter Qty 1	5	4
Filter AK factor size 1	1.53	1.62
Filter Total AK Area	7.65	6.48
Filter1 FPM	-	239
Filter2 FPM	-	232
Filter3 FPM	-	236
Filter4 FPM	-	238
Filter Ave FPM(corr)	-	236
CFM	1500	1529

Cooking Equipment		
	Design	**Actual**
Item 1	-	GRIDDLE

Completed By: Michael McDonnell on 03/13/2024

FaciliBuild make it easy

National TAB

Project: 03-11-24 CULVERS MISHAWAKA, IN

System/Unit: Kitchen Hood Type I

Asset: HD2 AREA:FRYER

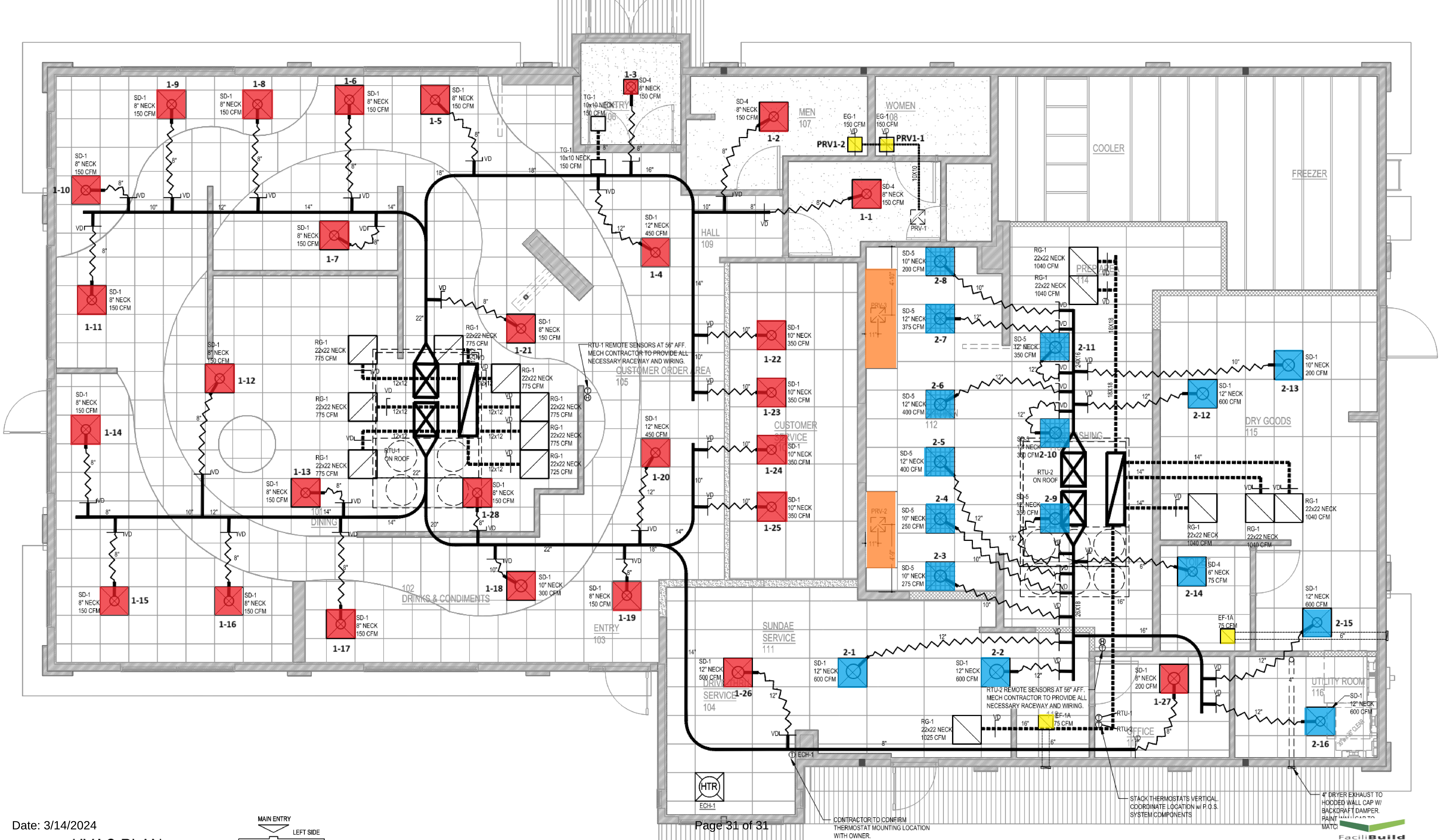
Unit Data		
	Design	**Actual**
MFG	ACCUREX	CAPTIVE AIRE
Model Num	XGEP-64-S	3347 BD-2
Job / Serial Num	-	6175285
Type	TYPE 1 LOW PROXIMITY	TYPE I
Hood length	64"	84"
Hood Width	23"	33"

Test Data Exhaust		
	Design	**Actual**
Filter Type	GREASE GRABBER	CAPTRATE SOLO
Filter Size 1	16X16	16X16
Filter Qty 1	4	5
Filter AK factor size 1	1.53	1.62
Filter Total AK Area	6.12	8.1
Filter1 FPM	-	197
Filter2 FPM	-	196
Filter3 FPM	-	201
Filter4 FPM	-	196
Filter5 FPM	-	186
Filter Ave FPM(corr)	-	195
CFM	1500	1580

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

Completed By: Michael McDonnell on 03/13/2024

FaciliBuild make it easy



Date: 3/14/2024