Report By:

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

NATIONAL TAB

Comfort. Under control.

Report: PRELIM TAB REPORT
Function: Test, Adjust, & Balance
Date: 06/15/2023

PROJECT

06-19-23 CULVERS - COLUMBUS, GA

6859 MIDLAND COMMONS BLVD

COLUMBUS, GA 31909

Client

Accurex

PO Box 410

Schofield, WI 54476

CheckList List

- TECH - STEP 1: INITIAL WALKTHROUGH
- TECH - STEP 2: UNIT DATA AND EVAL
- TECH - STEP 3: TEST, ADJUST AND BALANCE
- TECH - STEP 4: FINAL TESTS
- TECH - STEP 5: FINAL DOCUMENTATION

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06-19-23 CULVERS - COLUMBUS, GA

CheckList Information

Name :	TECH - STEP 1: INITIAL WALKTHROUGH	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		

CheckList Item Details

INITIAL SITE WALKTHROUGH

All diffusers and grilles are installed and match design?	
Perforated diffusers are installed on the cook line? (4-ways will disrupt hood capture)	
All hood filters installed and accounted for?	
Hoods are wired and have power?	
Thermostats have power?	
Have trades/general contractor been notified about any issues and are they created on FaciliBuild?	

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CheckList Information

Name :	TECH - STEP 2: UNIT DATA AND EVAL	**Status :**	Not Completed
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.)
- Motors are all operating below the FLA rating?
- Are belts tight?
- If direct drive unit is the speed controller working.
- Is gas piping installed and valves turned on?
- Unit free of noticeable noise and vibration

EF's

- Rotation is correct?
- Belts are tight?
- Grease cup installed on hood fan?
- Hinge kit installed installed on hood fan?
- Lean grease rated fans back. Is grease duct installation adequate and is duct ran all the way to the base of the fan?

	Flex conduit is long enough so that fan can be completely tilted back?	
	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?	
	Unit free of noticeable noise and vibration?	
	The hood exhaust fans are installed in correct positions and are not switched?	
HOODS		
	Kitchen equipment installed in proper places?	
	Can kitchen equipment be turned on for final smoke test?	
	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?	

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06-19-23 CULVERS - COLUMBUS, GA

CheckList Information

Name :	TECH - STEP 3: TEST, ADJUST AND BALANCE	**Status :**	Not Completed
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".	

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CheckList Information

Name :	TECH - STEP 4: FINAL TESTS	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		

CheckList Item Details

FINAL TESTS	
HOOD CAPTURE TEST	
List equipment turned on for testing	
List smoke candle type used	
Smoke test capture - Perimeter of hood	
Smoke test capture - Top of cooking surface	
WITNESS	
Date test was completed	
TAB tech name / Firm	
Site super name / Firm	
Owner representative name / Firm (if Applicable)	
Building pressure at front & back doors (All Systems On)	
ADDITIONAL	
Do actual net building airflow, design net building airflow, and pressure coincide? If not why? (All three should either be positive or negative)	
Thermostats are programmed?	
PRODIGY SETTINGS FOR RTU'S	

	Parameter 65 set to 0	
	Parameter 78 set to 0	
	Parameter 105 set to 6	
	Parameter 156 set to 70 (Dining unit only)	
	Parameter 156 set to 65 (Kitchen Unit Only)	
	Parameter 170 set to 75 (Dining Unit Only)	
	Parameter 170 set to 70 (Kitchen Unit Only)	
	Parameter 131 set to the same % as OA minimum position?	
	Parameter 117 set to the same % as OA minimum position?	

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06-19-23 CULVERS - COLUMBUS, GA

CheckList Information

Name :	TECH - STEP 5: FINAL DOCUMENTATION	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		

CheckList Item Details

FINAL DOCUMENTATION

Marked Data capture complete for all assets?	
Picture file sent to processing team or uploaded?	
Balance schedule complete and uploaded?	
Prelim report generated and reviewed?	

National TAB

Project: 06-19-23 CULVERS - COLUMBUS, GA

System/Unit: AHU/RTU

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Asset: RTU1 AREA:DINING ROOM

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE/ACCUREX	CAPTIVEAIRE/ACCUREX
Serial Num	-	
Model Num	NA	NA
Type	RTU	
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	6150	
SF RPM	-	
RA CFM	4400	
OA CFM	1750	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	3	
Rated Voltage	208	
Rated Amperage	-	

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

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.75"	
Fan Total SP	-	

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

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Project:06-19-23 CULVERS - COLUMBUS, GA

AHU/RTU

Comfort. Under control.

Diffuser Supply (GRD)

RTU1/DINING ROOM

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	ENTRY	SD3	8"	150					-
SGRD2	DINING	SD1	8"	150					-
SGRD3	DINING	SD1	8"	150					-
SGRD4	DINING	SD1	8"	150					-
SGRD5	DINING	SD1	8"	150					-
SGRD6	DINING	SD1	8"	150					-
SGRD7	DINING	SD1	8"	150					-
SGRD8	DINING	SD1	8"	150					-
SGRD9	DINING	SD1	8"	150					-
SGRD10	DINING	SD1	8"	150					-
SGRD11	DINING	SD1	8"	150					-
SGRD12	DINING	SD1	8"	150					-
SGRD13	DINING	SD1	8"	150					-
SGRD14	DINING	SD1	8"	150					-
SGRD15	DINING	SD1	8"	150					-
SGRD16	DINING	SD1	10"	300					-
SGRD17	DINING	SD1	12"	150					-
SGRD18	DRIVE THRU	SD1	12"	500					-
SGRD19	OFFICE	SD1	10"	200					-
SGRD20	DINING	SD1	12"	450					-
SGRD21	CUST.SERV	SD1	10"	350					-
SGRD22	CUST.SERV	SD1	10"	350					-
SGRD23	CUST.SERV	SD1	10"	350					-
SGRD24	CUST.SERV	SD1	10"	350					-
SGRD25	DINING	SD1	12"	450					-
SGRD26	DINING	SD1	8"	150					-
SGRD27	M.RESTROOM	SD4	8"	150					-
SGRD28	W.RESTROOM	SD4	8"	150					-

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Project: 06-19-23 CULVERS - COLUMBUS, GA

System/Unit: AHU/RTU

Comfort. Under control.

Asset: RTU2 AREA:KITCHEN

Unit Data				Test Data		
	Design	Actual			Design	Actual
MFG	CAPTIVEAIRE/ACCUREX	CAPTIVEAIRE/AACUREX		**SF CFM**	6150	
Serial Num	-			**SF RPM**	-	
Model Num	NA	NA		**RA CFM**	4450	
Type	RTU			**OA CFM**	1700	
Configuration	VERTICAL			**RL Voltage**	-	
Num OA Filters 1	-			**RL Amperage**	-	
OA Filter Size 1	-			**SF Rotation**	-	
Num Final Filter 1	-			**RA Damper Position**	-	
Final Filter Size 1	-			**Min OA Damper Position**	-	
Num Final Filter 2	-			**Min OA Damper Type**	-	
Final Filter Size 2	-			**OA Enthalpy Setpt**	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	3	
Rated Voltage	208	
Rated Amperage	-	

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

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.75"	
Fan Total SP	-	

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

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Project:06-19-23 CULVERS - COLUMBUS, GA

AHU/RTU

Comfort. Under control.

Diffuser Supply (GRD)

RTU2/KITCHEN

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	KITCHEN	SD2	12"	600					-
SGRD2	KITCHEN	SD1	12"	600					-
SGRD3	KITCHEN	SD5	10"	200					-
SGRD4	KITCHEN	SD5	12"	375					-
SGRD5	KITCHEN	SD5	12"	400					-
SGRD6	KITCHEN	SD5	12"	400					-
SGRD7	KITCHEN	SD5	10"	250					-
SGRD8	KITCHEN	SD5	10"	275					-
SGRD9	KITCHEN	SD5	8"	125					-
SGRD10	KITCHEN	SD1	6"	75					-
SGRD11	KITCHEN	SD5	12"	350					-
SGRD12	KITCHEN	SD5	12"	350					-
SGRD13	KITCHEN	SD5	12"	350					-
SGRD14	UTILITY ROOM	SD1	12"	600					-
SGRD15	DRY GOODS	SD1	12"	600					-
SGRD16	DRY GOODS	SD1	12"	600					-

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Project: 06-19-23 CULVERS - COLUMBUS, GA

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EFA1 AREA:

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XCR-B80	XCR-B80
Serial Num	-	
Type	CEILING	
Configuration	VERTICAL	

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

Test Data		
	Design	**Actual**
CFM	75	
Fan RPM	885	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.125"	
Fan Inlet SP	-	
Fan Discharge SP	-	

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Project: 06-19-23 CULVERS - COLUMBUS, GA

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: PRV1 AREA:RESTROOM

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XRED-090-VG	XRED-090-VG
Serial Num	-	
Type	DOWNBLAST	
Configuration	CENTRIFUGAL	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	0.1"	
Motor Rpm	1725	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	375	
Fan RPM	1465	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.5"	
Fan Inlet SP	-	
Fan Discharge SP	-	

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Project:06-19-23 CULVERS - COLUMBUS, GA

FAN - Exhaust

Comfort. Under control.

Diffuser Ret/Exh (GRD)

PRV1/RESTROOM

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	M.RESTROOM	EG1	8X8	150					-
EGRD2	W. RESTROOM	EG1	8X8	150					-
EGRD3	TOILET	EG1	8X8	75					-

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Project: 06-19-23 CULVERS - COLUMBUS, GA

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: PRV2 AREA:HOOD1

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XRUB-160XP-15	XRUB-160XP-15
Serial Num	-	
Type	UPBLAST	
Configuration	VERTICAL	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	1.5"	
Motor Rpm	1725	
Phase	3	
Voltage (rated)	208	
Amperage (rated)	-	
Service Factor	-	

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

Test Data		
	Design	**Actual**
CFM	1500	
Fan RPM	2411	
Fan Rotation	-	
Motor RPM	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	2.337"	

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Project: 06-19-23 CULVERS - COLUMBUS, GA

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: PRV3 AREA:HOOD 2

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XRUB-140-7	XRUB-140-7
Serial Num	-	
Type	UPBLAST	
Configuration	VERTICAL	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	0.75"	
Motor Rpm	1725	
Phase	3	
Voltage (rated)	208	
Amperage (rated)	-	
Service Factor	-	

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

Test Data		
	Design	**Actual**
CFM	1500	
Fan RPM	1377	
Fan Rotation	-	
Motor RPM	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	1.0"	

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Project: 06-19-23 CULVERS - COLUMBUS, GA

System/Unit: Kitchen Hood Type I

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Asset: HD1 AREA:

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

Test Data Exhaust		
	Design	**Actual**
Filter Type	GREASE GRABBER	
Filter Size 1	16X16	
Filter Size 2	-	
Filter Qty 1	4	
Filter Qty 2	-	
Filter AK factor size 1	1.53	
Filters AK factor size 2	-	
Filter Total AK Area	6.12	
Filter1 FPM	-	
Filter2 FPM	-	
Filter3 FPM	-	
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	
CFM	1500	

Cooking Equipment		
	Design	**Actual**
Item 1	-	
Item 2	-	

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Project: 06-19-23 CULVERS - COLUMBUS, GA

System/Unit: Kitchen Hood Type I

Comfort. Under control.

Asset: HD2 AREA:

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

Test Data Exhaust		
	Design	**Actual**
Filter Type	XTRACTOR	
Filter Size 1	16X16	
Filter Size 2	-	
Filter Qty 1	5	
Filter Qty 2	-	
Filter AK factor size 1	1.53	
Filters AK factor size 2	-	
Filter Total AK Area	7.65	
Filter1 FPM	-	
Filter2 FPM	-	
Filter3 FPM	-	
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	
CFM	1500	

Cooking Equipment		
	Design	**Actual**
Item 1	-	
Item 2	-	

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