

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: 04/24/2023

PROJECT
04-24-23 CULVERS - CAMDENTON, MO

70 JACK CROWELL RD

CAMDENTON, MO 65020

Client

Accurex

PO Box 410

Schofield, WI 54476

National TAB

Project: 04-24-23 CULVERS - CAMDENTON, MO

Table Of Contents

Section	Page #
Checklist Data	3
AHU/RTU	4
FAN - Exhaust	8
Kitchen Hood Type I	13



Comfort. Under control.

04-24-23 CULVERS - CAMDENTON, MO

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?

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?

Notes/Comments :



Comfort. Under control.

04-24-23 CULVERS - CAMDENTON, MO

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.)

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?

Notes/Comments :



Comfort. Under control.

04-24-23 CULVERS - CAMDENTON, MO

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 :



Comfort. Under control.

04-24-23 CULVERS - CAMDENTON, MO

CheckList Information

Name :	TECH - STEP 4: FINAL TESTS	Status :	NotSubmitted
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?

Notes/Comments :



Comfort. Under control.

04-24-23 CULVERS - CAMDENTON, MO

CheckList Information

Name :	TECH - STEP 5: FINAL DOCUMENTATION	Status :	NotSubmitted
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?

Notes/Comments :

National TAB

Project: 04-24-23 CULVERS - CAMDENTON, MO

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU1

AREA:DINING

Unit Data		
	Design	Actual
MFG	NA	NA
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	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	
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	-	

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

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	-	

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

Completed By: Wale Odofin

Notes:

National TAB

Project:04-24-23 CULVERS - CAMDENTON, MO

AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

RTU1/DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	ENTRY	NA	8"	150					-
SGRD2	DINING	NA	8"	450					-
SGRD3	DINING	NA	8"	150					-
SGRD4	DINING	NA	8"	150					-
SGRD5	DINING	NA	8"	150					-
SGRD6	DINING	NA	8"	150					-
SGRD7	DINING	NA	8"	150					-
SGRD8	DINING	NA	8"	150					-
SGRD9	DINING	NA	8"	150					-
SGRD10	DINING	NA	8"	150					-
SGRD11	DINING	NA	8"	150					-
SGRD12	DINING	NA	8"	150					-
SGRD13	DINING	NA	8"	150					-
SGRD14	DINING	NA	8"	150					-
SGRD15	DINING	NA	8"	150					-
SGRD16	DINING	NA	10"	300					-
SGRD17	DINING	NA	8"	150					-
SGRD18	DINING	NA	8"	150					-
SGRD19	DINING	NA	12"	450					-
SGRD20	DINING	NA	8"	150					-
SGRD21	DINING	NA	10"	500					-
SGRD22	DINING	NA	8"	200					-
SGRD23	CUST. SERV	NA	10"	350					-
SGRD24	CUST. SERV	NA	10"	350					-
SGRD25	CUST. SERV	NA	10"	350					-
SGRD26	CUST. SERV	NA	10"	350					-
SGRD27	RESTROOM	NA	8"	150					-
SGRD28	RESTROOM	NA	8"	150					-
SGRD29	RESTROOM	NA	8"	75					-

Completed By: Wale Odofin on

National TAB

Project: 04-24-23 CULVERS - CAMDENTON, MO

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU2

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	NA	NA
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	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	
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	-	

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

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	-	

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

Completed By: Wale Odofin

Notes:

National TAB

Project:04-24-23 CULVERS - CAMDENTON, MO

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	NA	12"	600					-
SGRD2	KITCHEN	NA	12"	600					-
SGRD3	KITCHEN	NA	10"	200					-
SGRD4	KITCHEN	NA	12"	375					-
SGRD5	KITCHEN	NA	12"	400					-
SGRD6	KITCHEN	NA	12"	400					-
SGRD7	KITCHEN	NA	10"	250					-
SGRD8	KITCHEN	NA	10"	275					-
SGRD9	KITCHEN	NA	8"	125					-
SGRD10	KITCHEN	NA	12"	600					-
SGRD11	KITCHEN	NA	12"	350					-
SGRD12	KITCHEN	NA	12"	350					-
SGRD13	KITCHEN	NA	12"	350					-
SGRD14	KITCHEN	NA	12"	600					-
SGRD15	KITCHEN	NA	12"	600					-

Completed By: Wale Odofoin on

National TAB

Project: 04-24-23 CULVERS - CAMDENTON, MO

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EFA1

AREA:RESTROOM

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	0.1	
Motor Rpm	-	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	
Service Factor	-	

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

Completed By: Sergio Del Toro

Notes:

National TAB

Project: 04-24-23 CULVERS - CAMDENTON, MO

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: PRV1

AREA:RESTROOM

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

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	1/15	
Motor Rpm	-	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	
Service Factor	-	

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

Completed By: Sergio Del Toro

Notes:

National TAB

Project:04-24-23 CULVERS - CAMDENTON, MO

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	RESTROO M	NA\	8"	150					-
EGRD2	RESTROO M	NA	8"	150					-
EGRD3	RESTROO M	NA	8"	75					-

Completed By: Wale Odofin on

National TAB

Project: 04-24-23 CULVERS - CAMDENTON, MO

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: PRV2

AREA:HOOD 1

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XCUE-140-VG	XCUE-140-VG
Serial Num	-	
Type	UPBLAST	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.83"	
Motor Rpm	1725	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	1500	
Fan RPM	1725	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	1.799"	
Fan Inlet SP	-	
Fan Discharge SP	-	

Completed By: Wale Odofin

Notes:

National TAB

Project: 04-24-23 CULVERS - CAMDENTON, MO

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: PRV3

AREA:

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XCUE-140-VG	XCUE-140-VG
Serial Num	-	
Type	UPBLAST	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.46	
Motor Rpm	1725	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	1500	
Fan RPM	1366	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	1.0"	
Fan Inlet SP	-	
Fan Discharge SP	-	

Completed By: Wale Odofin

Notes:

National TAB

Project: 04-24-23 CULVERS - CAMDENTON, MO

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HOOD1

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XGEP-64-S	XGEP-64-S
Job / Serial Num	-	
Type	LOW PROX	
Hood length	64	
Hood Width	23	

Test Data Exhaust		
	Design	Actual
Filter Type	GREASE GRABBER	
Filter Size 1	16X16	
Filter Qty 1	4	
Filter AK factor size 1	1.62	
Filter Total AK Area	6.48	
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	-	

Completed By: Sergio Del Toro

Notes:

National TAB

Project: 04-24-23 CULVERS - CAMDENTON, MO

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HOOD2

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XXEP-83-S	XXEP-83-S
Job / Serial Num	-	
Type	LOW PROX	
Hood length	83	
Hood Width	23	

Test Data Exhaust		
	Design	Actual
Filter Type	GREASE GRABBER	
Filter Size 1	16X16	
Filter Qty 1	5	
Filter AK factor size 1	1.62	
Filter Total AK Area	8.1	
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	-	

Completed By: Sergio Del Toro

Notes: