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**Report: Inspection Report**  
**Function: Test, Adjust, & Balance**  
**Date: 02/06/2026**  
**Completed By: National TAB**

**PROJECT**  
**02-02-26 CULVERS - CHARLOTTE, NC**

3416 W ARROWOOD RD

CHARLOTTE, NC 28273

**Client**

Accurex  
400 Ross Ave  
Schofield, WI 54476

# National TAB

Project: 02-02-26 CULVERS - CHARLOTTE, NC

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Project: 02-02-26 CULVERS - CHARLOTTE, NC  
Function: Test, Adjust, & Balance

## Project Summary

### 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) w/ Diffusers

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. . Any EF's that fell outside of this tolerance is noted throughout the report.

### General Exhaust Fans w/ Grilles

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

Project: 02-02-26 CULVERS - CHARLOTTE, NC

System/Unit: AHU/RTU



Asset: RTU1

AREA:DINING

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE/LENNOX	CAPTIVEAIRE/LENNOX
Serial Num	-	7481106
Model Num	UNKNOWN	CAS-HVAC3-I.300-24-2OT
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	31.5X45X5
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Test Data		
	Design	Actual
SF CFM	6150	6231
SF RPM	-	DD/ 55.4
RA CFM	4400	4416
OA CFM	1750	1815
RL Voltage	-	213/213/213
RL Amperage	-	23.4/23.3/23.1
SF Rotation	-	CCW
SF System SetPt	-	55.4
RA Damper Position	-	5.7
Min OA Damper Position	-	4.3
Min OA Damper Type	-	ECON

Motor Data		
	Design	Actual
Motor MFG	-	TECO
Frame	-	215T
Horsepower	-	10
Motor Rpm	-	1755
Phase	3	3
Rated Voltage	208	230
Rated Amperage	-	24.3

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

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

Completed By: Jearod Ferrette on 02/05/2026

Notes:  
See issue/notes about abnormal balance reading.

Written By: Jearod Ferrette on 02/05/2026

# Unit Data - PHOTO LOG



02/03/2026



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# National TAB

Project: 02-02-26 CULVERS - CHARLOTTE, NC

System/Unit: AHU/RTU



Asset: RTU2

AREA: KITCHEN

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE/LENNOX	CAPTIVEAIRE/LENNOX
Serial Num	-	7481106
Model Num	UNKNOWN	CAS-HVAC3-1.300-24-20T
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	31.5X45.5
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Test Data		
	Design	Actual
SF CFM	6025	5638
SF RPM	-	DD/ 59.5HZ
RA CFM	4450	3897
OA CFM	1700	1741
RL Voltage	-	213/213/213
RL Amperage	-	24.7/25.1/25.0
SF Rotation	-	CCW
SF System SetPt	-	59.5HZ
RA Damper Position	-	5.8
Min OA Damper Position	-	4.2
Min OA Damper Type	-	ECON

Motor Data		
	Design	Actual
Motor MFG	-	TECO
Frame	-	215T
Horsepower	-	10
Motor Rpm	-	1755
Phase	3	3
Rated Voltage	208	230
Rated Amperage	-	24.3

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

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

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# Unit Data - PHOTO LOG



02/03/2026



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# National TAB

Project: 02-02-26 CULVERS - CHARLOTTE, NC

System/Unit: FAN - Exhaust



Asset: EF1

AREA:BOH

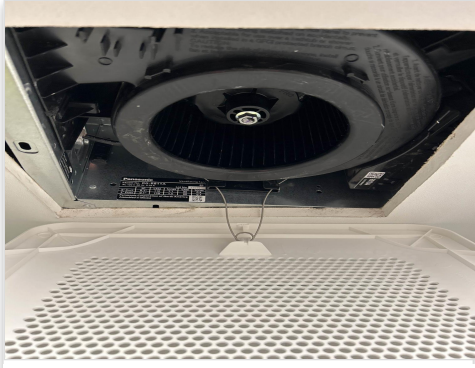
Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XCR-B80	XCR-B80
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	PANASONIC
Frame	-	NA
Horsepower	0.01	0.01
Motor Rpm	900	900
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	NA
Service Factor	-	NA

Test Data		
	Design	Actual
CFM	75	71
Fan RPM	881	DD
Fan Rotation	-	CCW
Motor RPM	-	DD
System SetPt	-	MAX
Total ESP	0.125"	0.10"
Fan Inlet SP	-	-0.10"
Fan Discharge SP	-	ATMO

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**Unit Data - PHOTO LOG**



**02/04/2026**



**02/03/2026**

# National TAB

Project: 02-02-26 CULVERS - CHARLOTTE, NC

System/Unit: FAN - Exhaust



Asset: PRV1

AREA:RESTROOM

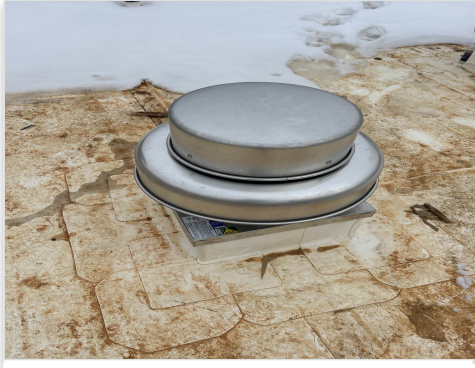
Unit Data		
	Design	Actual
<b>MFG</b>	ACCUREX	ACCUREX
<b>Model Num</b>	XRED-090-VG	XRED-090-VG
<b>Type</b>	DOWNBLAST	DOWNBLAST
<b>Configuration</b>	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
<b>Motor MFG</b>	-	VARI GREEN
<b>Frame</b>	-	NA
<b>Horsepower</b>	0.06	0.06
<b>Motor Rpm</b>	1750	1750
<b>Phase</b>	1	1
<b>Voltage (rated)</b>	115	115
<b>Amperage (rated)</b>	-	0.73
<b>Service Factor</b>	-	1

Test Data		
	Design	Actual
<b>CFM</b>	375	375
<b>Fan RPM</b>	1466	DD
<b>Fan Rotation</b>	-	CCW
<b>Motor RPM</b>	-	DD
<b>System SetPt</b>	-	9.5 ON DAIL
<b>RL Voltage</b>	-	NA
<b>RL Amperage</b>	-	NA
<b>Total ESP</b>	0.5"	0.46"
<b>Fan Inlet SP</b>	-	-0.46"
<b>Fan Discharge SP</b>	-	ATMO

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**Unit Data - PHOTO LOG**



**02/03/2026**

# National TAB

Project: 02-02-26 CULVERS - CHARLOTTE, NC

System/Unit: FAN - Exhaust



Asset: PRV2

AREA:GRIDDLE

Unit Data		
	Design	Actual
<b>MFG</b>	ACCUREX	ACCUREX
<b>Model Num</b>	XCUE-140-VG	XCUE-140-VG
<b>Serial Num</b>	-	28353912
<b>Type</b>	UPBLAST	UPBLAST
<b>Configuration</b>	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
<b>Motor MFG</b>	-	VARI GREEN
<b>Frame</b>	-	NA
<b>Horsepower</b>	1	1
<b>Motor Rpm</b>	1755	1750
<b>Phase</b>	1	1
<b>Voltage (rated)</b>	115	115
<b>Amperage (rated)</b>	-	5.8
<b>Service Factor</b>	-	1

Test Data		
	Design	Actual
<b>CFM</b>	1500	1530
<b>Fan RPM</b>	1725	DD/ 6.6 VDC
<b>Fan Rotation</b>	-	CCW
<b>Motor RPM</b>	-	DD/ 6.6 VDC
<b>System SetPt</b>	-	6.6 VDC
<b>RL Voltage</b>	-	NA
<b>RL Amperage</b>	-	NA
<b>Total ESP</b>	1.801"	0.46"
<b>Fan Inlet SP</b>	-	-0.46"
<b>Fan Discharge SP</b>	-	ATMO

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**Unit Data - PHOTO LOG**



**02/03/2026**

# National TAB

Project: 02-02-26 CULVERS - CHARLOTTE, NC

System/Unit: FAN - Exhaust



Asset: PRV3

AREA:FRYER

Unit Data		
	Design	Actual
<b>MFG</b>	ACCUREX	ACCUREX
<b>Model Num</b>	XCUE-140-VG	XCUE-140-VG
<b>Serial Num</b>	-	28021051
<b>Type</b>	UPBLAST	UPBLAST
<b>Configuration</b>	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
<b>Motor MFG</b>	-	VARI GREEN
<b>Frame</b>	-	NA
<b>Horsepower</b>	1	1
<b>Motor Rpm</b>	1750	1750
<b>Phase</b>	1	1
<b>Voltage (rated)</b>	115	115
<b>Amperage (rated)</b>	-	5.8
<b>Service Factor</b>	-	1

Test Data		
	Design	Actual
<b>CFM</b>	1500	1606
<b>Fan RPM</b>	1365	DD/ 6.5 VDC
<b>Fan Rotation</b>	-	CCW
<b>Motor RPM</b>	-	DD/ 6.5 VDC
<b>System SetPt</b>	-	6.5 VDC
<b>RL Voltage</b>	-	NA
<b>RL Amperage</b>	-	NA
<b>Total ESP</b>	1"	0.47"
<b>Fan Inlet SP</b>	-	-0.47"
<b>Fan Discharge SP</b>	-	ATMO

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## Unit Data - PHOTO LOG



02/03/2026

# National TAB

Project: 02-02-26 CULVERS - CHARLOTTE, NC

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:GRIDDLE

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XGEP-64-S	XGEP-64-S
Job / Serial Num	-	28353012
Type	TYPE I LOW PROX	TYPE I LOW PROX
Hood length	64"	64"
Hood Width	23"	23"

Test Data Exhaust		
	Design	Actual
Filter Type	XTRACTOR	XTRACTOR
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	-	257
Filter2 FPM	-	239
Filter3 FPM	-	239
Filter4 FPM	-	267
Filter Ave FPM(corr)	-	250
CFM	1500	1530

Cooking Equipment	
	Actual
Item 1	GRIDDLE

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## Unit Data - PHOTO LOG



02/03/2026

# National TAB

Project: 02-02-26 CULVERS - CHARLOTTE, NC

System/Unit: Kitchen Hood Type I



Asset: HD2

AREA:FRYER

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XXEP-83-S	XXEP-83-S
Job / Serial Num	-	28021051
Type	TYPE I LOW PROX	TYPE I LOW PROX
Hood length	83"	83"
Hood Width	23"	23"

Test Data Exhaust		
	Design	Actual
Filter Type	XTRACTOR	XTRACTOR
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	-	228
Filter2 FPM	-	192
Filter3 FPM	-	211
Filter4 FPM	-	206
Filter5 FPM	-	217
Filter Ave FPM(corr)	-	210
CFM	1500	1606

Cooking Equipment	
	Actual
Item 1	FRYER

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## Unit Data - PHOTO LOG



02/03/2026

