Report By:

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

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

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

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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.

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

System/Unit: AHU/RTU

Asset: RTU1 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
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

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

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

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

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Unit Data - PHOTO LOG

02/03/2026

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

System/Unit: AHU/RTU

Asset: RTU2 AREA:KITCHEN

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Serial Num	-	7481106
Model Num	UNKNOWN	CAS-HVAC3-I.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

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

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

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

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Unit Data - PHOTO LOG

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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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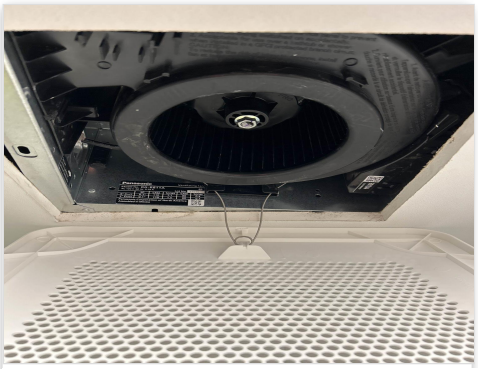
Unit Data - PHOTO LOG



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

System/Unit: FAN - Exhaust

Asset: PRV1 AREA:RESTROOM

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

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

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

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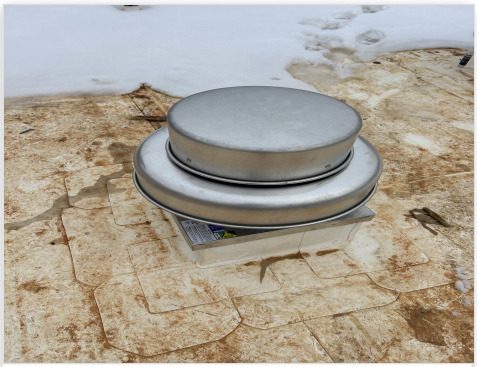
Unit Data - PHOTO LOG



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

System/Unit: FAN - Exhaust

Asset: PRV2 AREA:GRIDDLE

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XCUE-140-VG	XCUE-140-VG
Serial Num	-	28353912
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

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

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

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Unit Data - PHOTO LOG

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

System/Unit: FAN - Exhaust

Asset: PRV3 AREA:FRYER

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XCUE-140-VG	XCUE-140-VG
Serial Num	-	28021051
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

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

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

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Unit Data - PHOTO LOG

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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

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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

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