Report By:

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

Report: Inspection TAB Report

Function: Test, Adjust, & Balance

Date: 03/07/2026

Completed By: National TAB

PROJECT

03-02-26 CULVERS - MESA, AZ

1830 E McKellips Road

Mesa, AZ 85203

Client

Accurex

PO Box 410

Schofield, WI 54476

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Project: 03-02-26 CULVERS - MESA, AZ

Table Of Contents

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)
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.

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Project: 03-02-26 CULVERS - MESA, AZ

System/Unit: AHU/RTU

Asset: RTU-1 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5625M01622
Model Num	LGT210H5M	LGT210H5MM1Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	3
OA Filter Size 1	-	24.5X15
Num Final Filter 1	-	6
Final Filter Size 1	-	24X24X2

Motor Data		
	Design	**Actual**
Motor MFG	-	NIDEC
Frame	-	184TZ
Horsepower	4.35	5.0
Motor Rpm	-	1765
Phase	3	3
Rated Voltage	208	230
Rated Amperage	-	13.0 (SF 1.15)

Drive Data	
	Actual
Motor Sheave Size	6.25"
Motor Bore Size	1"
Motor Sheave SetPt	FLUSH
Fan Sheave Size	10.5"
Fan Sheave Bore	1.125"
Belt CL Distance	20.75"
Num of Belts	1
Belt Size	BX65
Belt Alignment	NA (FIXED FAN SHEAVE)

Test Data		
	Design	**Actual**
SF CFM	7000	6878
SF RPM	-	50 HZ
RA CFM	5280	5167
OA CFM	1720	1711
RL Voltage	-	155
RL Amperage	-	11.3
SF Rotation	-	CCW
SF System SetPt	-	50 HZ
RA Damper Position	-	57%
Min OA Damper Position	-	43%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	55*

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.41"
Fan Suction SP	-	-0.76"
Fan Discharge SP	-	0.75"
Total ESP	0.75"	1.16"
Fan Total SP	-	1.51"

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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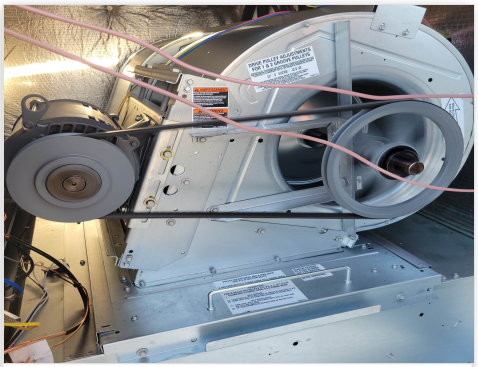
Drive Data - PHOTO LOG



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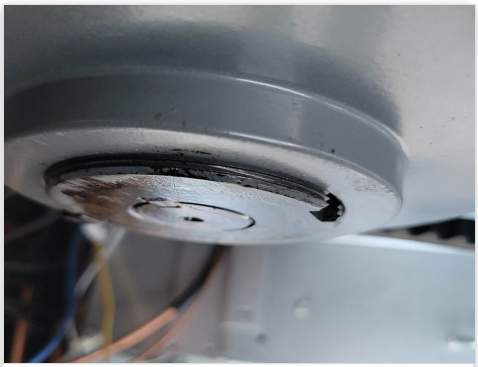

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Project: 03-02-26 CULVERS - MESA, AZ

System/Unit: AHU/RTU

Asset: RTU-2 AREA:KITCHEN

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5625M01652
Model Num	LGT240H5M	LGT240H5MM1Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	3
OA Filter Size 1	-	24.5X15
Num Final Filter 1	-	6
Final Filter Size 1	-	24X24X2

Motor Data		
	Design	**Actual**
Motor MFG	-	NIDEC
Frame	-	213TZ
Horsepower	5.83	7.5
Motor Rpm	-	1765
Phase	3	3
Rated Voltage	208	230
Rated Amperage	-	18.7 (SF 1.15)

Drive Data	
	Actual
Motor Sheave Size	6.25"
Motor Bore Size	1"
Motor Sheave SetPt	FLUSH
Fan Sheave Size	10.5"
Fan Sheave Bore	1.125"
Belt CL Distance	20.75"
Num of Belts	1
Belt Size	BX65
Belt Alignment	ALIGNED

Test Data		
	Design	**Actual**
SF CFM	8000	7938
SF RPM	-	55 HZ
RA CFM	6040	5940
OA CFM	1960	1998
RL Voltage	-	187.7
RL Amperage	-	13.9
SF Rotation	-	CCW
SF System SetPt	-	55 HZ
RA Damper Position	-	50%
Min OA Damper Position	-	50%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	55*

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.47"
Fan Suction SP	-	-0.90"
Fan Discharge SP	-	0.73"
Total ESP	0.75"	1.2"
Fan Total SP	-	1.63"

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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03/07/2026

03/07/2026

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Project: 03-02-26 CULVERS - MESA, AZ

System/Unit: FAN - Exhaust

Asset: MEF-1 AREA:MOP ROOM

Unit Data		
	Design	**Actual**
MFG	ACCUREX	GREENHECK
Model Num	SP-B80	SP-B80
Serial Num	-	28318285
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	0.01	NL
Motor Rpm	-	900
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.16
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	75	100
Fan RPM	-	N/A
Fan Rotation	-	CW
Motor RPM	-	N/A
System SetPt	-	UNAVAILABLE
RL Voltage	-	N/A
RL Amperage	-	N/A
Total ESP	0.125"	N/A
Fan Inlet SP	-	N/A
Fan Discharge SP	-	ATMS

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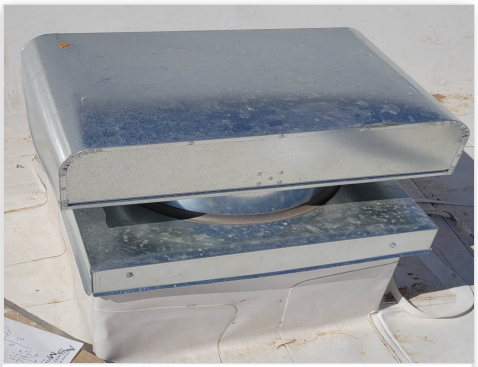
Notes:
SPEED CTRLR NOT FUNCTIONING, SEE 'REMARKS'.

Written By: Christine Weale on 03/07/2026

Unit Data - PHOTO LOG



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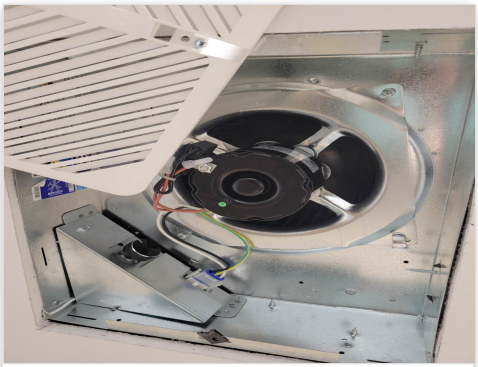

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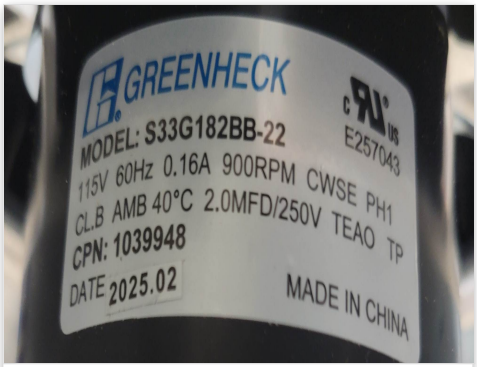

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Project: 03-02-26 CULVERS - MESA, AZ

System/Unit: FAN - Exhaust

Asset: PRV-1 AREA:RESTROOMS

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XRED-090-VG	XRED-095-VG
Serial Num	-	28337871
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	VARI-GREEN
Frame	-	NL
Horsepower	0.06	1/6 (0.17)
Motor Rpm	-	300-1750
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	2.2
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	300	309
Fan RPM	-	N/A
Fan Rotation	-	CW
Motor RPM	-	N/A
System SetPt	-	3.3 @POT
RL Voltage	-	N/A
RL Amperage	-	N/A
Total ESP	0.50"	0.03"
Fan Inlet SP	-	-0.03"
Fan Discharge SP	-	ATMS

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Unit Data - PHOTO LOG

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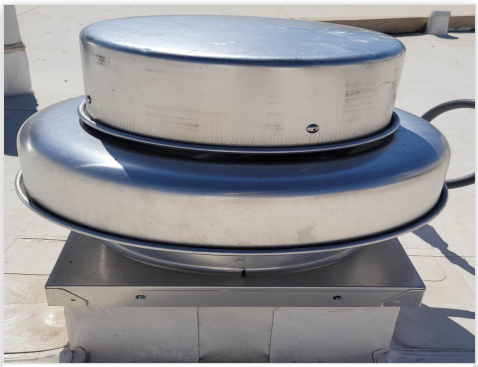

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Project: 03-02-26 CULVERS - MESA, AZ

System/Unit: FAN - Exhaust

Asset: PRV-2 AREA:GRIDDLE

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XCUE-140-VG	XCUE-140-10-VG
Serial Num	-	28335799
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	VARI-GREEN
Frame	-	NL
Horsepower	1.00	1.0
Motor Rpm	-	300-1750
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	11.5
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	1500	1614
Fan RPM	1725	N/A
Fan Rotation	-	CW
Motor RPM	-	N/A
System SetPt	-	5.7 VDC
RL Voltage	-	124.6
RL Amperage	-	2.7
Total ESP	1.80"	0.59"
Fan Inlet SP	-	-0.59"
Fan Discharge SP	-	ATMS

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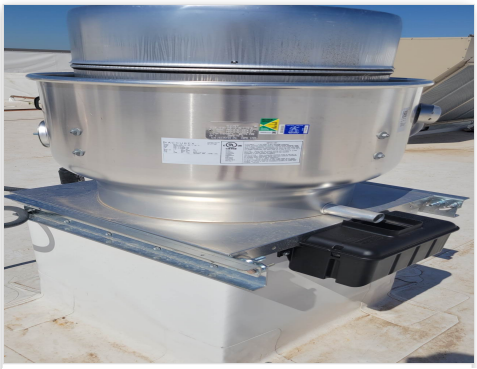
Unit Data - PHOTO LOG



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Project: 03-02-26 CULVERS - MESA, AZ

System/Unit: FAN - Exhaust

Asset: PRV-3 AREA:FRYER

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XCUE-140-10-VG	XCUE-140-10-VG
Serial Num	-	28335800
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	VARI-GREEN
Frame	-	NL
Horsepower	1.00	1.0
Motor Rpm	-	300-1750
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	11.5
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	1500	1611
Fan RPM	-	N/A
Fan Rotation	-	CW
Motor RPM	-	N/A
System SetPt	-	5.7 VDC
RL Voltage	-	126.2
RL Amperage	-	2.55
Total ESP	1.00"	0.61"
Fan Inlet SP	-	-0.61"
Fan Discharge SP	-	ATMS

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Unit Data - PHOTO LOG

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Project: 03-02-26 CULVERS - MESA, AZ

System/Unit: Kitchen Hood Type I

Asset: HD-1 AREA:GRIDDLE

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XXEP-64-S	XXEP-64.00-S
Job / Serial Num	-	28338229
Type	LOW PROX	LOW PROX
Hood length	64"	64"
Hood Width	23"	26"

Test Data Exhaust		
	Design	**Actual**
Filter Type	X-TRACTOR	X-TRACTOR
Filter Size 1	16X16	16X16
Filter Qty 1	4	4
Filter AK factor size 1	1.78	1.78
Filter Total AK Area	7.12	7.12
Filter1 FPM	-	227
Filter2 FPM	-	212
Filter3 FPM	-	212
Filter4 FPM	-	256
Filter Ave FPM(corr)	-	226.75
CFM	1500	1614

Cooking Equipment	
	Actual
Item 1	GRIDDLE

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Unit Data - PHOTO LOG

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National TAB

Project: 03-02-26 CULVERS - MESA, AZ

System/Unit: Kitchen Hood Type I

Asset: HD-2 AREA:FRYER

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XCUE-140-VG	XXEP-83.00-S
Job / Serial Num	-	28338227
Type	LOW PROX	LOW PROX
Hood length	83"	83"
Hood Width	23"	26"

Test Data Exhaust		
	Design	**Actual**
Filter Type	X-TRACTOR	X-TRACTOR
Filter Size 1	16X16	16X16
Filter Qty 1	5	5
Filter AK factor size 1	1.78	1.78
Filter Total AK Area	8.9	8.9
Filter1 FPM	-	195
Filter2 FPM	-	180
Filter3 FPM	-	169
Filter4 FPM	-	164
Filter5 FPM	-	197
Filter Ave FPM(corr)	-	181
CFM	1500	1611

Cooking Equipment	
	Actual
Item 1	FRYER

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Unit Data - PHOTO LOG

03/07/2026