

Report By:

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



Report: TAB Report
Function: Test, Adjust, & Balance
Date: 01/29/2025
Completed By: National TAB

PROJECT
01-20-25 CULVERS AVON PARK, FL

1023 US HWY 27 NORTH

AVON PARK, FL 33825

Client

Accurex
PO Box 410
Schofield, WI 54476

National TAB

Project: 01-20-25 CULVERS AVON PARK, FL

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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.

Issue List

- Diffuser 2-9 - Low Flow



01-20-25 CULVERS AVON PARK, FL

Project Issue Information

Issue Name : Diffuser 2-9 - Low Flow
Description : Supply diffuser 2-9 (mop room) is outputting 395 CFM (72% design). Damper is fully open. Not expected to cause comfort issues in the surrounding space. Update: SMT Mechanical further modified the ductwork post-TAB and read out 460CFM through their flow hood.
Created By : National TAB **Assigned To :** National TAB - Will Turnbough
Status : Open
Priority : Medium **Asset Tag :** SGRD9
Originated Date : 01/24/2025 - Mark Johnson - National TAB

Project Issue Response Details

- **02/05/2025 National TAB - Stephen Tassinaro**
 - No further action is recommended at this time beyond monitoring space for comfort.

- **01/24/2025 National TAB - Mark Johnson**
 - Ductwork was originally restricted due to several hard 90 transitions near the diffuser. Mechanical rerouted the ductwork and installed a scoop at the branch takeoff, however, it provided a negligible airflow increase (10-15 CFM).

AIR BALANCE SCHEDULE

UNIT	AREA SERVED	HVAC SUPPLY		HVAC RETURN		HVAC OUTDOOR		OA %		HOOD MAKE-UP		HOOD EXHAUST		GENERAL EXH.	
		DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
RTU-1	DINING	5200	5302	3200	3276	2000	2026	38.5%	38.2%						
RTU-2	KITCHEN	5000	5028	3000	3116	2000	1912	40.0%	38.0%						
PRV-2	HOOD1											1500	1515		
PRV-3	HOOD2											1500	1506		
PRV-4	HOOD3											350	383		
EF1	RESTROOM													220	223
EF2	RESTROOM													50	51
EF3	RESTROOM													210	201
TOTALS		10200	10330	6200	6392	4000	3938			0	0	3350	3404	480	475

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	4000	3938
TOTAL EXHAUST	3830	3879
NET AIRFLOW	170	59

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H2O)
FRONT	0.0039
SIDE	-
REAR	0.001
AVERAGE	0.0025

FINAL CHECKS

- ACTUAL NET AIRFLOW COINCIDES WITH DESIGN: ✓

- MEASURED PRESSURES COINCIDES WITH ACTUAL NET AIRFLOW: ✓

- PRESSURE FALLS WITHIN IMC TOLERANCE OF +/-0.02" W.C. ✓

NOTES:

CheckList List

- 01: RTUs/AHUs
- 02: EF'S
- 03.HOOD 1
- 04.HOOD 2
- 05.HOOD 3
- 06: FINAL TEST



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CheckList Information

Name : 01: RTUs/AHUs **Status :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 01/20/2025 - Wale Odofin - National TAB

Completed Date : 01/23/2025 - Mark Johnson - National TAB

CheckList Item Details

RTU's/AHU's

Thermostats installed and have power?	Pass
---------------------------------------	------

Comment:

All diffusers and grilles are installed and match design?	Pass
---	------

Comment:

Cookline diffusers have at 12-18" of straight duct out of the top of the diffusers and a rigid 90 degree fitting?	Pass
---	------

Comment:

Economizers are assembled and functional?	Pass
---	------

Comment:

Motors are all operating below the FLA rating?	Pass
--	------

Comment:

Are belts tight?	N/A
------------------	-----

Comment:

Direct Drive

If direct drive unit is the speed controller working?

Pass

Comment:

Is gas piping installed and valves turned on?

N/A

Comment:

Unit free of noticeable noise and vibration

Pass

Comment:



01-20-25 CULVERS AVON PARK, FL

CheckList Information

Name : 02: EF'S **Status :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 01/20/2025 - Wale Odofin - National TAB

Completed Date : 01/23/2025 - Mark Johnson - National TAB

CheckList Item Details

EF's

Rotation is correct?	Pass
-----------------------------	------

Comment:

Belts are tight?	N/A
-------------------------	-----

Comment:

Direct Drive

Hinge kit installed installed on hood fan?	Pass
---	------

Comment:

Lean fan back. Is grease duct installation adequate and is duct ran all the way to the base of the fan?	Pass
--	------

Comment:

Flex conduit is long enough so that fan can be completely tilted back?	Pass
---	------

Comment:

There is no major leakage around base of fan?	Pass
--	------

Comment:

Is the motor operating below the motor FLA rating?

Pass

Comment:

For restroom fan(s) is the back draft damper installed and can it fully open?

Pass

Comment:

Unit free of noticeable noise and vibration?

Pass

Comment:

Comment:

Is the grease cup installed?

Pass

Comment:

Are side splashes/skirts installed and do they match the submittal?

Pass

Comment:

Is the backsplash installed and does it match the submittal?

Pass

Comment:

Are ceiling enclosures installed and do they match the submittal?

Pass

Comment:

Does the appliance line-up match the drawings on submittal?

Pass

Comment:

Document any other issues or discrepancies.

Comment:

Top of enclosure not sealed against ceiling // RESOVLED



01/24/2025



02/10/2025



02/10/2025

HOOD CAPTURE TEST

List equipment turned on for testing:

Comment:

None

Smoke Test Capture - Perimeter of Hood

Comment:

100%

Smoke Test Capture - Top of Cooking Surface

Comment:

100%

List smoke candle used:

Comment:

45 sec. smoke candle



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CheckList Information

Name : 04.HOOD 2 **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 01/20/2025 - Wale Odofin - National TAB

CheckList Item Details

HD-2

Is the hood powered and free of alarms? Pass

Comment:

Does hood label match submittal? Pass

Comment:

Do hood dimensions match submittal? Pass

Comment:

Is the hood hung Level? Pass

Comment:

Are hood lights installed and are they powered? N/A

Comment:

Are temperature Sensors installed? Pass

Comment:

Are the correct number and size of filters installed, and are they installed correctly? Pass

Comment:

Is the grease cup installed?

Pass

Comment:

Are side splashes/skirts installed and do they match the submittal?

Pass

Comment:

Is the backsplash installed and does it match the submittal?

Pass

Comment:

Are ceiling enclosures installed and do they match the submittal?

Pass

Comment:

Does the appliance line-up match the drawings on submittal?

Pass

Comment:

Document any other issues or discrepancies.

Comment:

Top of enclosure not sealed against ceiling // RESOLVED

HOOD CAPTURE TEST

List equipment turned on for testing:

Comment:

None

Smoke Test Capture - Perimeter of Hood

Comment:

100%

Smoke Test Capture - Top of Cooking Surface

Comment:

100%

List smoke candle used:

Comment:

45 sec. smoke candle



01-20-25 CULVERS AVON PARK, FL

CheckList Information

Name : 05.HOOD 3 **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 01/20/2025 - Wale Odofin - National TAB

CheckList Item Details

HD-3

Is the hood powered and free of alarms? Pass

Comment:

Does hood label match submittal? Pass

Comment:

Do hood dimensions match submittal? Pass

Comment:

Is the hood hung Level? Pass

Comment:

Are hood lights installed and are they powered? N/A

Comment:

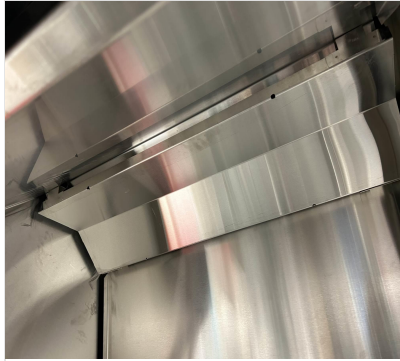
Are temperature Sensors installed? N/A

Comment:

Are the correct number and size of filters installed, and are they installed correctly? Fail

Comment:

Baffles not installed correctly (hooks at top of hood are defective from manufacturer)



01/24/2025

Is the grease cup installed?

N/A

Comment:

Are side splashes/skirts installed and do they match the submittal?

N/A

Comment:

Is the backsplash installed and does it match the submittal?

N/A

Comment:

Are ceiling enclosures installed and do they match the submittal?

Pass

Comment:

Does the appliance line-up match the drawings on submittal?

Pass

Comment:

Document any other issues or discrepancies.

Comment:

Top of enclosure not sealed against ceiling. // RESOLVED.



01/24/2025



02/10/2025



02/10/2025

HOOD CAPTURE TEST

List equipment turned on for testing:

Comment:

N/A

Smoke Test Capture - Perimeter of Hood

Comment:

N/A - Condensate Hood

Smoke Test Capture - Top of Cooking Surface

Comment:

N/A - Condensate Hood

List smoke candle used:

Comment:

N/A



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CheckList Information

Name : 06: FINAL TEST **Status :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 01/20/2025 - Wale Odofin - National TAB

Completed Date : 01/24/2025 - Mark Johnson - National TAB

CheckList Item Details

FINAL CHECKS

When hoods are turned off, verify the economizers shut	N/A
---	-----

Comment:
Not tested

When hoods are turned on, verify the economizers open to the minimum position	Pass
--	------

Comment:

Is space free of drafting?	Pass
-----------------------------------	------

Comment:

Is space comfortable in all areas?	Pass
---	------

Comment:

Is the space free of ventilation noise?	Pass
--	------

Comment:

HOOD CAPTURE TEST

List kitchen equipment turned on for testing

Comment:

None

List smoke candle type used

Comment:

45 sec. smoke candle

Smoke test capture % - Perimeter of hood

Comment:

Hood 1 - 100% / Hood 2 - 100%

Smoke test capture % - Top of cooking surface

Comment:

Hood 1 - 100% / Hood 2 - 100%

WITNESS

Date test was completed

01/23/2025

Comment:

TAB tech name / Firm

Comment:

Mark Johnson / NTi

Site super name / Firm

Comment:

Owner representative name / Firm (if Applicable)

Comment:

BUILDING PRESSURE

Do actual net building airflow, design net building airflow, and pressure coincide? If not why? (All three should either be positive or negative)

Pass

Comment:

National TAB

Project: 01-20-25 CULVERS AVON PARK, FL

System/Unit: AHU/RTU



Asset: RTU1

AREA:DINING

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Serial Num	-	6282185
Model Num	CASTRUE452-2420TDOAS	CAS-HVAC3-E.452-24-20T
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	4
OA Filter Size 1	-	16x25x2
Num Final Filter 1	-	8
Final Filter Size 1	-	20x25x2

Motor Data		
	Design	Actual
Motor MFG	-	TECO WESTINGHOUSE
Frame	-	213T
Horsepower	-	7.5
Motor Rpm	-	1755
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	21.1

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

Test Data		
	Design	Actual
SF CFM	5200	5302
SF RPM	-	1521
RA CFM	3200	3276
OA CFM	2000	2026
RL Voltage	-	179 VFD
RL Amperage	-	18.9 VFD
SF Rotation	-	CCW
SF System SetPt	-	52 HZ
RA Damper Position	-	5.3 V
Min OA Damper Position	-	4.7 V
Min OA Damper Type	-	ECONOMIZER

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

Completed By: Mark Johnson on 01/23/2025

Unit Data - PHOTO LOG



01/23/2025

National TAB

Project:01-20-25 CULVERS AVON PARK, FL

AHU/RTU



Diffuser Supply (GRD)

RTU1/DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	ENTRY	A4	10"	250	1	269	272	257	102.8
SGRD2	DRINKS & CONDIMENTS	A4	8"	200	1	171	229	218	109.0
SGRD3	DRINKS & CONDIMENTS	A3	10"	300	1	275	332	325	108.3
SGRD4	DINING	A3	10"	300	1	262	329	321	107.0
SGRD5	DINING	A3	8"	150	1	178	169	150	100.0
SGRD6	DINING	A4	10"	250	1	319	261	268	107.2
SGRD7	DINING	A4	8"	150	1	163	163	159	106.0
SGRD8	DINING	A4	10"	275	1	306	294	295	107.3
SGRD9	DINING	A4	10"	275	1	218	318	267	97.1
SGRD10	DINING	A3	8"	150	1	206	174	158	105.3
SGRD11	DINING	A4	8"	200	1	185	214	219	109.5
SGRD12	DINING	A4	10"	300	1	257	322	324	108.0
SGRD13	DINING	A4	10"	250	1	227	269	263	105.2
SGRD14	DINING	A4	10"	300	1	159	231	270	90.0
SGRD15	DINING	A4	8"	200	1	123	175	183	91.5
SGRD16	ENTRY	A4	6"	100	1	70	80	91	91.0
SGRD17	MEN'S RR	C3	6"	75	1	68	104	76	101.3
SGRD18	WOMEN'S RR	C3	6"	75	1	66	104	77	102.7
SGRD19	HALL	A4	10"	300	1	201	295	298	99.3
SGRD20	CUSTOMER SERVICE	A4	8"	200	1	127	182	181	90.5
SGRD21	CUSTOMER SERVICE	A4	8"	200	1	116	165	183	91.5
SGRD22	CUSTOMER SERVICE	A4	8"	200	1	172	245	206	103.0
SGRD23	CUSTOMER SERVICE	A4	8"	200	1	178	260	204	102.0
SGRD24	CUSTOMER ORDER	A4	10"	300	1	272	336	309	103.0
Total				5200		4588	5523	5302	101.96%

National TAB

Project: 01-20-25 CULVERS AVON PARK, FL

System/Unit: AHU/RTU



Asset: RTU2

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Serial Num	-	6282185
Model Num	CASTRUE452-2420TDOAS	CAS-HVAC3-E.452-24-20T
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	4
OA Filter Size 1	-	16x25x2
Num Final Filter 1	-	8
Final Filter Size 1	-	20x25x2

Motor Data		
	Design	Actual
Motor MFG	-	TECO WESTINGHOUSE
Frame	-	213T
Horsepower	-	7.5
Motor Rpm	-	1755
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	21.1

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

Test Data		
	Design	Actual
SF CFM	5000	5028
SF RPM	-	1404
RA CFM	3000	3116
OA CFM	2000	1912
RL Voltage	-	149 VFD
RL Amperage	-	18.3 VFD
SF Rotation	-	CCW
SF System SetPt	-	48 HZ
RA Damper Position	-	5.0 V
Min OA Damper Position	-	5.0 V
Min OA Damper Type	-	ECONOMIZER

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

Completed By: Mark Johnson on 01/23/2025

Unit Data - PHOTO LOG



01/23/2025

National TAB

Project:01-20-25 CULVERS AVON PARK, FL

AHU/RTU



Diffuser Supply (GRD)

RTU2/KITCHEN

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	COOKLINE	E4	10"	300	1	298	304	319	106.3
SGRD2	COOKLINE	E4	10"	350	1	369	377	357	102.0
SGRD3	COOKLINE	E4	10"	300	1	296	302	314	104.7
SGRD4	COOKLINE	E4	10"	300	1	269	275	323	107.7
SGRD5	COOKLINE	E4	10"	350	1	368	376	369	105.4
SGRD6	COOKLINE	E4	10"	300	1	321	328	313	104.3
SGRD7	DRIVE THRU	A4	12"	500	1	383	391	456	91.2
SGRD8	SUNDAE PREP	A4	9"	275	1	333	340	277	100.7
SGRD9	MOP ROOM	E4	12"	550	1	282	288	460	83.6
SGRD10	OFFICE	D1	9"	300	1	198	202	309	103.0
SGRD11	DISHWASHING	A4	9"	300	1	404	413	315	105.0
SGRD12	DISHWASHING	A4	10"	350	1	366	374	350	100.0
SGRD13	DISHWASHING	A4	10"	300	1	265	271	315	105.0
SGRD14	DRY GOODS	A4	8"	200	1	191	195	216	108.0
SGRD15	DRY GOODS	A4	8"	150	1	168	172	162	108.0
SGRD16	EMPLOYEE RR	C1	4"	25	1	44	45	24	96.0
SGRD17	UTILITY ROOM	D1	7"	150	1	86	88	149	99.3
Total				5000		4641	4741	5028	100.56%

Completed By: Stephen Tassinaro on 02/06/2025

Asset	Notes	Date	Written By
SGRD9	[1] This reading was taken by SMT Mechanical during a post-TAB return trip. They improved airflow to the mop room by adjusting the ductwork to be less restrictive. [2] NTi final reading was 395CFM.	02/06/2025	Stephen Tassinaro

National TAB

Project: 01-20-25 CULVERS AVON PARK, FL

System/Unit: FAN - Exhaust



Asset: EF1

AREA: MEN'S RESTROOM

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XCR-A200	XCR-A200
Serial Num	-	25037577
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	220	223
Fan RPM	831	900
Fan Rotation	-	CCW
Motor RPM	-	900
System SetPt	-	MAX
RL Voltage	-	123
RL Amperage	-	0.4

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	-	1/40
Motor Rpm	-	900
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.46
Service Factor	-	NL

Completed By: Mark Johnson on 01/21/2025

Unit Data - PHOTO LOG



01/22/2025

National TAB

Project: 01-20-25 CULVERS AVON PARK, FL

System/Unit: FAN - Exhaust



Asset: EF2

AREA:MOP ROOM

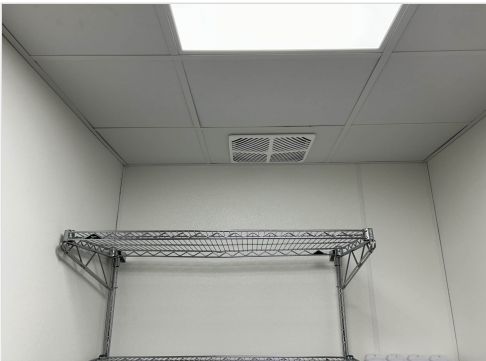
Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XCR-B50	XCR-B50
Serial Num	-	25037578
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	625
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.13
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	50	51
Fan RPM	523	HIGH
Fan Rotation	-	CCW
Motor RPM	-	HIGH
System SetPt	-	SPEED CONTROLLER (MARKED)
RL Voltage	-	119
RL Amperage	-	0.1

Completed By: Mark Johnson on 01/21/2025

Unit Data - PHOTO LOG



01/22/2025

National TAB

Project: 01-20-25 CULVERS AVON PARK, FL

System/Unit: FAN - Exhaust



Asset: EFA3

AREA:WOMEN'S RR (NARROW STALL)

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XCR-B70	XCR-B70
Serial Num	-	25037579
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	70	63
Fan RPM	644	675
Fan Rotation	-	CCW
Motor RPM	-	675
System SetPt	-	MAX
RL Voltage	-	121
RL Amperage	-	0.15

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	675
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.15
Service Factor	-	NL

Completed By: Mark Johnson on 01/21/2025

Unit Data - PHOTO LOG



01/22/2025

National TAB

Project: 01-20-25 CULVERS AVON PARK, FL

System/Unit: FAN - Exhaust



Asset: EFB3

AREA:WOMEN'S RR (LARGE STALL)

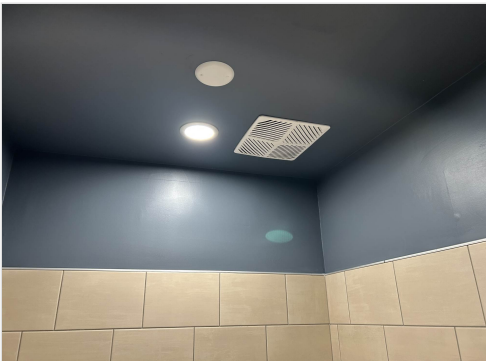
Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XCR-B70	XCR-B70
Serial Num	-	25037581
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	70	66
Fan RPM	644	675
Fan Rotation	-	CCW
Motor RPM	-	675
System SetPt	-	MAX
RL Voltage	-	122
RL Amperage	-	0.15

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	675
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.15
Service Factor	-	NL

Completed By: Mark Johnson on 01/21/2025

Unit Data - PHOTO LOG



01/22/2025

National TAB

Project: 01-20-25 CULVERS AVON PARK, FL

System/Unit: FAN - Exhaust



Asset: EFC3

AREA:EMPLOYEE RR

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XCR-B70	XCR-B70
Serial Num	-	25037580
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	70	72
Fan RPM	644	675
Fan Rotation	-	CCW
Motor RPM	-	675
System SetPt	-	MAX
RL Voltage	-	122
RL Amperage	-	0.15

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	675
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.15
Service Factor	-	NL

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Unit Data - PHOTO LOG



01/22/2025

National TAB

Project: 01-20-25 CULVERS AVON PARK, FL

System/Unit: FAN - Exhaust



Asset: PRV2

AREA:GRIDDLE HOOD

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XCUE-140VG	XCUE-140-10-VG-1-26-G
Serial Num	-	25038074
Type	-	CENTRIFUGAL
Configuration	-	UPBLAST

Test Data		
	Design	Actual
CFM	1500	1506
Fan RPM	-	1225
Fan Rotation	-	CW
Motor RPM	-	1225
System SetPt	-	7.0 V
RL Voltage	-	123
RL Amperage	-	5.1
Total ESP	-	0.51"
Fan Inlet SP	-	-0.51"
Fan Discharge SP	-	ATM

Motor Data		
	Design	Actual
Motor MFG	-	VARI-GREEN
Frame	-	NL
Horsepower	-	1.0
Motor Rpm	-	300-1750
Phase	-	1
Voltage (rated)	-	115/208-230/277
Amperage (rated)	-	11.5/7.0/5.8
Service Factor	-	NL

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Unit Data - PHOTO LOG



01/23/2025

National TAB

Project: 01-20-25 CULVERS AVON PARK, FL

System/Unit: FAN - Exhaust



Asset: PRV3

AREA:FRYER HOOD

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XCUE-140VG	XCUE-140-10-VG-1-26-G
Serial Num	-	25038076
Type	-	CENTRIFUGAL
Configuration	-	UPBLAST

Test Data		
	Design	Actual
CFM	1500	1515
Fan RPM	-	1068
Fan Rotation	-	CW
Motor RPM	-	1068
System SetPt	-	6.1 V
RL Voltage	-	121
RL Amperage	-	3.4
Total ESP	-	0.35"
Fan Inlet SP	-	-0.35"
Fan Discharge SP	-	ATM

Motor Data		
	Design	Actual
Motor MFG	-	VARI-GREEN
Frame	-	NL
Horsepower	-	1.0
Motor Rpm	-	300-1750
Phase	-	1
Voltage (rated)	-	115/208-230/277
Amperage (rated)	-	11.5/7.0/5.8
Service Factor	-	NL

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Unit Data - PHOTO LOG



01/23/2025

National TAB

Project: 01-20-25 CULVERS AVON PARK, FL

System/Unit: FAN - Exhaust



Asset: PRV4

AREA: DISHWASHER HOOD

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XRED--095D	XRED-095-D-8-1-17-X
Serial Num	-	25040535
Type	-	DOWNBLAST
Configuration	-	VERTICAL

Test Data		
	Design	Actual
CFM	350	383
Fan RPM	-	1050
Fan Rotation	-	CW
Motor RPM	-	1050
System SetPt	-	LOW
RL Voltage	-	123
RL Amperage	-	1.4
Total ESP	-	0.19"
Fan Inlet SP	-	-0.19"
Fan Discharge SP	-	ATM

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	-	1/8
Motor Rpm	-	1550/1300/1050
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	2.6
Service Factor	-	NL

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Unit Data - PHOTO LOG



01/23/2025

National TAB

Project: 01-20-25 CULVERS AVON PARK, FL

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:FRYER

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XGEP-64-S	XXEP-83.00-S
Job / Serial Num	-	25038260
Type	TYPE I	TYPE I LOW PROXIMITY
Hood length	83"	83"
Hood Width	23"	23"

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	1.53	1.53
Filter Total AK Area	7.65	7.65
Filter1 FPM	-	229
Filter2 FPM	-	173
Filter3 FPM	-	182
Filter4 FPM	-	191
Filter5 FPM	-	215
Filter Ave FPM(corr)	-	198
CFM	1500	1515

Cooking Equipment	
	Actual
Item 1	FRYER

Completed By: Mark Johnson on 01/21/2025

Unit Data - PHOTO LOG



01/22/2025

National TAB

Project: 01-20-25 CULVERS AVON PARK, FL

System/Unit: Kitchen Hood Type I



Asset: HD2

AREA:GRIDDLE

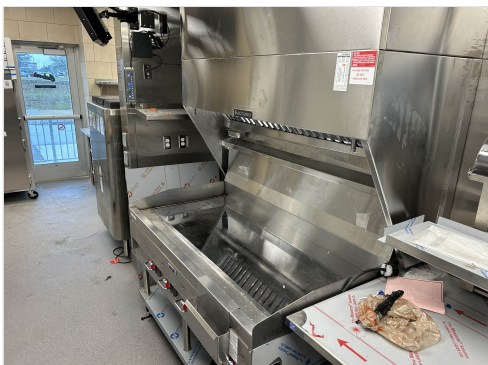
Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XGEP-64-S	XGEP-64.00-S
Job / Serial Num	-	25038267
Type	-	TYPE I LOW PROXIMITY
Hood length	-	64"
Hood Width	-	23"

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	1.53	1.53
Filter Total AK Area	6.12	6.12
Filter1 FPM	-	268
Filter2 FPM	-	231
Filter3 FPM	-	231
Filter4 FPM	-	256
Filter Ave FPM(corr)	-	246
CFM	1500	1506

Cooking Equipment	
	Actual
Item 1	GRIDDLE

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Unit Data - PHOTO LOG



01/22/2025

National TAB

Project: 01-20-25 CULVERS AVON PARK, FL

System/Unit: Kitchen Hood Type II



Asset: HD3

AREA: DISHWASHER

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XD3-42-S	XD3-42.00-S
Serial Num	-	25038231
Type	-	TYPE II
Hood length	-	42"
Hood Width	-	42"

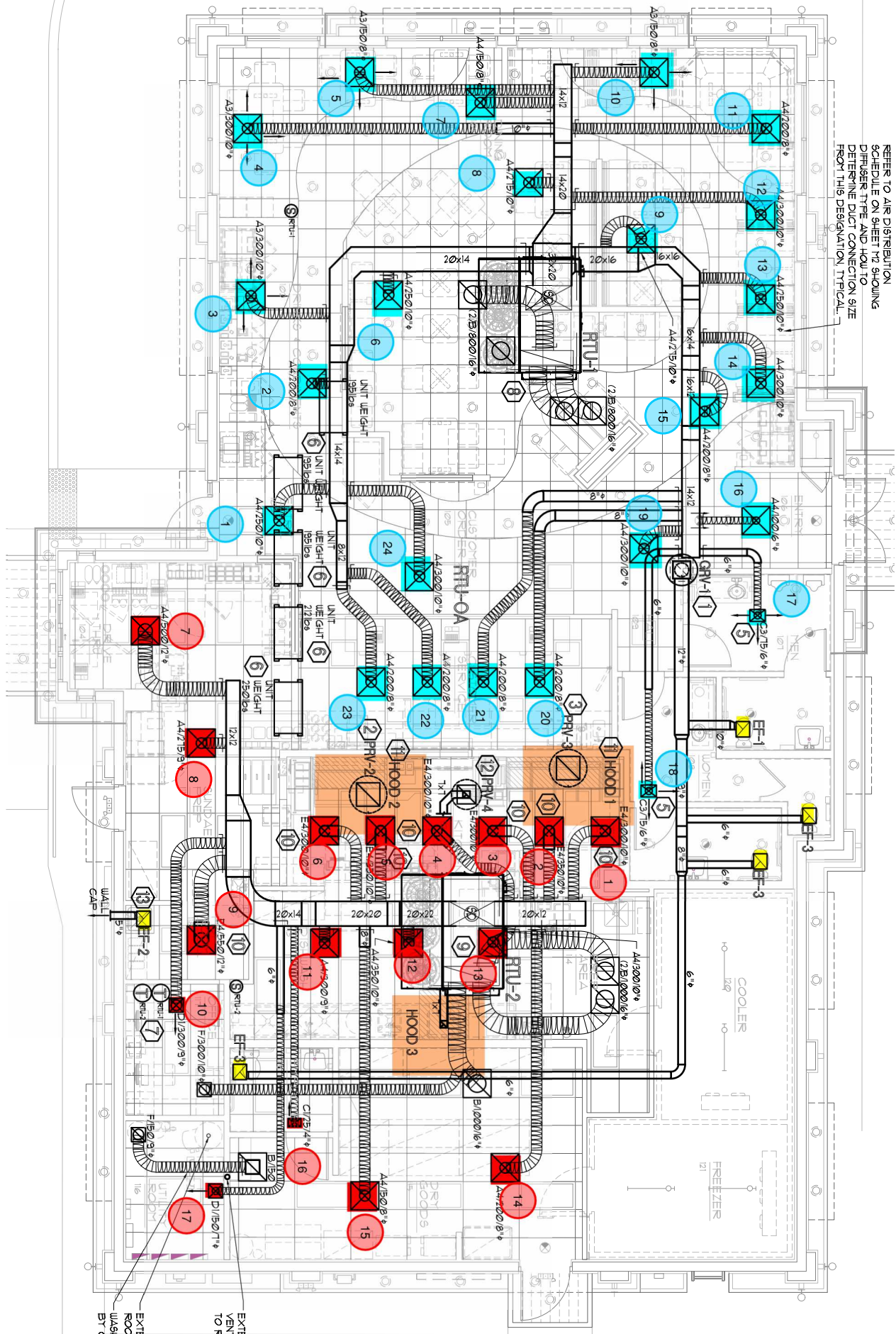
Test Data		
	Design	Actual
Exhaust CFM	350	383

Completed By: Mark Johnson on 01/22/2025

Unit Data - PHOTO LOG



01/22/2025



REFER TO AIR DISTRIBUTION
 SCHEDULE ON SHEET M2 SHOWING
 DIFFUSER TYPE AND HOW TO
 DETERMINE DUCT CONNECTION SIZE
 FROM THIS DESIGNATION TYPICAL.

EXTEND 4" DRYER
 VENT UP THRU ROOF
 TO ROOF CAP

EXTEND GAS FLEUE UP THRU
 ROOF TO 3" CONCENTRIC
 WASHER & DRYER