Report By:

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

Report: TAB Report

Function: Test, Adjust, & Balance

Date: 01/07/2025

Completed By: National TAB

PROJECT

12-02-24 CULVERS ORMOND BEACH, FL

655 W Granda Blvd

Ormond Beach, FL 32174

Client

Accurex

PO Box 410

Schofield, WI 54476

National TAB

Project: 12-02-24 CULVERS ORMOND BEACH, 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 1-23 - Damper Missing

12-02-24 CULVERS ORMOND BEACH, FL

Project Issue Information

Issue Name : Diffuser 1-23 - Damper Missing

Description : Damper is missing or could not be located for diffuser 1-23 (customer service). Recommend mechanical inspection.

Created By :	National TAB	**Assigned To :**	National TAB - Dan Hertenstein
Status :	Open		
Priority :	High	**Asset Tag :**	
Originated Date :	12/04/2024 - Mark Johnson - National TAB		

Project Issue Response Details

- **12/05/2024 National TAB - Mark Johnson**
  - Damper was confirmed missing by HVAC. Diffuser remains at 269 CFM (135% design). Not expected to create comfort issues in the surrounding space, however, damper may still need to be installed in case of future balancing.

NATIONAL TAB

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	5000	5071	3000	3045	2000	2026	40.0%	40.0%						
RTU-2	KITCHEN	5000	5060	3000	3067	2000	1993	40.0%	39.4%						
PRV-2	HOOD 1											1500	1524		
PRV-3	HOOD 2											1500	1522		
PRV-4	HOOD 3											350	377		
EF-1	MEN'S RR													220	192
EF-2	MOP RM													50	63
EF-3A	WOMEN'S RR													70	69
EF-3B	WOMEN'S RR													70	64
EF-3C	EMPLOYEE RR													70	72
TOTALS		10000	10131	6000	6112	4000	4019			0	0	3350	3423	480	460

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	4000	4019
TOTAL EXHAUST	3830	3883
NET AIRFLOW	170	136

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H20)
FRONT	0.0072
SIDE	-
REAR	0.0066
AVERAGE	**0.0069**

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.EXHAUST FANS
- 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 :	12/02/2024 - Wale Odofin - National TAB		
Completed Date :	12/06/2024 - 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?	Pass
Comment:	
Unit free of noticeable noise and vibration	Pass
Comment:	

12-02-24 CULVERS ORMOND BEACH, FL

CheckList Information

Name :	02.EXHAUST FANS	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/02/2024 - Wale Odofin - National TAB		
Completed Date :	12/06/2024 - 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:	

12-02-24 CULVERS ORMOND BEACH, FL

CheckList Information

Name :	03.HOOD 1	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/02/2024 - Wale Odofin - National TAB		
Completed Date :	12/06/2024 - Mark Johnson - National TAB		

CheckList Item Details

HD-1

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:

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

12-02-24 CULVERS ORMOND BEACH, FL

CheckList Information

Name :	04.HOOD 2	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/02/2024 - Wale Odofin - National TAB		
Completed Date :	12/06/2024 - Mark Johnson - 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:

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

12-02-24 CULVERS ORMOND BEACH, FL

CheckList Information

Name :	05.HOOD 3	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/02/2024 - Wale Odofin - National TAB		
Completed Date :	12/06/2024 - Mark Johnson - 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?	N/A

Comment:

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:

HOOD CAPTURE TEST

List equipment turned on for testing:

Comment:

N/A - dishwasher hood

Smoke Test Capture - Perimeter of Hood

Comment:

N/A

Smoke Test Capture - Top of Cooking Surface

Comment:

N/A

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 :	12/02/2024 - Wale Odofin - National TAB		
Completed Date :	12/06/2024 - Mark Johnson - National TAB		

CheckList Item Details

FINAL CHECKS

When hoods are turned off, verify the economizers shut	N/A
Comment: Unable to verify hood interlock. Economizers are set to close during unoccupied hours.	
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:

100%

Smoke test capture % - Top of cooking surface

Comment:

100%

WITNESS

Date test was completed	12/05/2024

Comment:

TAB tech name / Firm

Comment:

Mark Johnson / National TAB

Site super name / Firm

Comment:

Rob Bruss / Campbell Construction

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: 12-02-24 CULVERS ORMOND BEACH, FL

System/Unit: AHU/RTU

Asset: RTU1 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Serial Num	-	6782061
Model Num	CASTRU3E452-24-20T	CAS-HVAC3-I.250-24-20T
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	230/460
Rated Amperage	-	19.1/9.55

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	5071
SF RPM	-	1316
RA CFM	3000	3045
OA CFM	2000	2026
RL Voltage	-	137 VFD
RL Amperage	-	16.5 VFD
SF Rotation	-	CCW
SF System SetPt	-	45 HZ
RA Damper Position	-	6.1 V
Min OA Damper Position	-	3.9 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 12/05/2024

Unit Data - PHOTO LOG

12/03/2024

National TAB

Project:12-02-24 CULVERS ORMOND BEACH, 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	A	10"	250	1	378	321	267	106.8
SGRD2	DRINKS	A	10"	300	1	360	306	293	97.7
SGRD3	DINING	A	10"	250	1	479	407	238	95.2
SGRD4	DINING	A	10"'	275	1	261	222	266	96.7
SGRD5	DINING	A	10"	300	1	279	237	273	91.0
SGRD6	DINING	A	10"	225	1	277	235	233	103.6
SGRD7	DINING	A	8"	200	1	290	246	198	99.0
SGRD8	DINING	A	10"	225	1	295	250	241	107.1
SGRD9	DINING	A	10"	300	1	288	245	282	94.0
SGRD10	DINING	A	10"	275	1	350	297	295	107.3
SGRD11	DINING	A	10"	250	1	352	299	248	99.2
SGRD12	DINING	A	10"	300	1	334	284	311	103.7
SGRD13	DINING	A	8"	150	1	240	204	136	90.7
SGRD14	DINING	A	8"	150	1	154	131	143	95.3
SGRD15	MEN'S RR	A	6"	75	1	99	84	71	94.7
SGRD16	WOMEN'S RR	A	6"	75	1	91	77	75	100.0
SGRD17	CUST. ORD	D	10"	300	1	388	329	293	97.7
SGRD18	CUST. ORD	A	8"	200	1	233	198	212	106.0
SGRD19	CUST. ORD	A	8"	200	1	131	111	199	99.5
SGRD20	CUST. ORD	A	8"	200	1	230	195	200	100.0
SGRD21	CUST. ORD	A	8"	200	1	288	245	269	134.5
SGRD22	CUST. ORD	A	10"	300	1	338	287	328	109.3
Total				5000		6135	5210	5071	101.42%

National TAB

Project: 12-02-24 CULVERS ORMOND BEACH, FL

System/Unit: AHU/RTU

Asset: RTU2 AREA:KITCHEN

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Serial Num	-	6782061
Model Num	CASTRU3E452-24-20T	CAS-HVAC3-I.200-24-20T
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	230/460
Rated Amperage	-	19.1/9.55

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	5060
SF RPM	-	1404
RA CFM	3000	3067
OA CFM	2000	1993
RL Voltage	-	159 VFD
RL Amperage	-	17.8 VFD
SF Rotation	-	CCW
SF System SetPt	-	48 HZ
RA Damper Position	-	6.2 V
Min OA Damper Position	-	3.8 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 12/05/2024

Unit Data - PHOTO LOG

12/03/2024

National TAB

Project:12-02-24 CULVERS ORMOND BEACH, 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	DRIVE THRU	A	12"	500	1	485	542	517	103.4
SGRD2	SUNDAE PREP	A	10"	300	1	375	402	309	103.0
SGRD3	MOP RPPM	E	12"	550	1	582	582	556	101.1
SGRD4	OFFICEE	F	9"	225	1	137	155	203	90.2
SGRD5	KITCHEN	E	10"	300	1	318	306	323	107.7
SGRD6	KITCHEN	E	10"	350	1	304	361	369	105.4
SGRD7	KITCHEN	E	10"	300	1	312	298	323	107.7
SGRD8	KITCHEN	E	10"	300	1	400	454	306	102.0
SGRD9	KITCHEN	E	10"	350	1	429	340	357	102.0
SGRD10	KITCHEN	E	10"	300	1	419	313	311	103.7
SGRD11	EMP RR	C	5"	50	1	98	51	49	98.0
SGRD12	ALCOVE	A	8"	125	1	236	129	136	108.8
SGRD13	DRY GOODS	A	8"	350	1	274	315	328	93.7
SGRD14	DRY GOODS	A	10"	350	1	228	304	354	101.1
SGRD15	DRY GOODS	A	8"	200	1	146	162	181	90.5
SGRD16	PREP AREA	A	10"	300	1	287	322	299	99.7
SGRD17	UTILITY RM	D	8"	150	1	113	116	139	92.7
Total				5000		5143	5152	5060	101.2%

National TAB

Project: 12-02-24 CULVERS ORMOND BEACH, FL

System/Unit: FAN - Exhaust

Asset: EF1 AREA:MEN'S RESTROOM

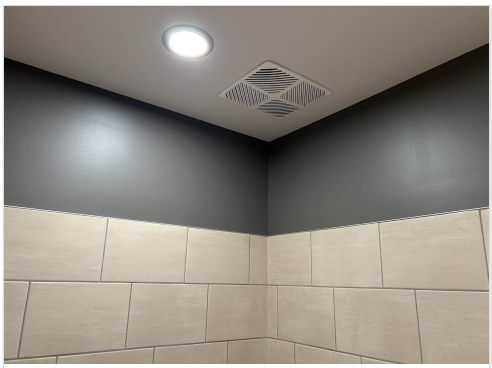
Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XCR-A200	XCR-A200
Serial Num	-	25125801
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

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

Test Data		
	Design	**Actual**
CFM	220	192
Fan RPM	829	900
Fan Rotation	-	CCW
Motor RPM	-	900
System SetPt	-	SINGLE SPEED
RL Voltage	-	123
RL Amperage	-	0.46

Completed By: Mark Johnson on 12/03/2024

Unit Data - PHOTO LOG



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Project: 12-02-24 CULVERS ORMOND BEACH, 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	-	25125802
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	63
Fan RPM	519	LOW
Fan Rotation	-	CCW
Motor RPM	-	LOW
System SetPt	-	SPEED CONTROLLER (MINIMUM SETTING)
RL Voltage	-	122
RL Amperage	-	0.1

Completed By: Mark Johnson on 12/03/2024

Unit Data - PHOTO LOG

12/03/2024

National TAB

Project: 12-02-24 CULVERS ORMOND BEACH, FL

System/Unit: FAN - Exhaust

Asset: EFA3 AREA:WOMEN'S RR (LARGE STALL)

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XCR-B70	XCR-B70
Serial Num	-	25125803
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

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

Test Data		
	Design	**Actual**
CFM	70	69
Fan RPM	642	675
Fan Rotation	-	CCW
Motor RPM	-	675
System SetPt	-	MAX
RL Voltage	-	123
RL Amperage	-	0.15

Completed By: Mark Johnson on 12/03/2024

Unit Data - PHOTO LOG

12/03/2024

National TAB

Project: 12-02-24 CULVERS ORMOND BEACH, FL

System/Unit: FAN - Exhaust

Asset: EFB3 AREA:WOMEN'S RR (NARROW STALL)

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XCR-B70	XCR-B70
Serial Num	-	25125804
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

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

Test Data		
	Design	**Actual**
CFM	70	64
Fan RPM	642	675
Fan Rotation	-	CCW
Motor RPM	-	675
System SetPt	-	MAX
RL Voltage	-	123
RL Amperage	-	0.15

Completed By: Mark Johnson on 12/03/2024

Unit Data - PHOTO LOG

12/03/2024

National TAB

Project: 12-02-24 CULVERS ORMOND BEACH, FL

System/Unit: FAN - Exhaust

Asset: EFC3 AREA:EMPLOYEE RESTROOM

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XCR-B70	XCR-B70
Serial Num	-	25125805
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

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

Test Data		
	Design	**Actual**
CFM	70	72
Fan RPM	642	675
Fan Rotation	-	CCW
Motor RPM	-	675
System SetPt	-	MAX
RL Voltage	-	122
RL Amperage	-	0.15

Completed By: Mark Johnson on 12/03/2024

Unit Data - PHOTO LOG

12/03/2024

National TAB

Project: 12-02-24 CULVERS ORMOND BEACH, FL

System/Unit: FAN - Exhaust

Asset: PRV2 AREA:HOOD 1

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XCUE-140VG	XCUE-140-10-VG-1-26-G
Serial Num	-	25126748
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

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

Test Data		
	Design	**Actual**
CFM	1500	1524
Fan RPM	1703	1155
Fan Rotation	-	CW
Motor RPM	-	1155
System SetPt	-	6.6 V
RL Voltage	-	122
RL Amperage	-	3.9
Total ESP	1.80"	0.57”
Fan Inlet SP	-	-0.57”
Fan Discharge SP	-	ATM

Completed By: Mark Johnson on 12/03/2024

Unit Data - PHOTO LOG

12/03/2024

National TAB

Project: 12-02-24 CULVERS ORMOND BEACH, FL

System/Unit: FAN - Exhaust

Asset: PRV3 AREA:HOOD 2

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XCUE-140VG	XCUE-140-10-VG-1-26-G
Serial Num	-	25126750
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

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

Test Data		
	Design	**Actual**
CFM	1500	1522
Fan RPM	1350	1155
Fan Rotation	-	CW
Motor RPM	-	1155
System SetPt	-	6.5 V
RL Voltage	-	124
RL Amperage	-	3.7
Total ESP	1.00"	0.48”
Fan Inlet SP	-	-0.48”
Fan Discharge SP	-	ATM

Completed By: Mark Johnson on 12/03/2024

Unit Data - PHOTO LOG

12/03/2024

National TAB

Project: 12-02-24 CULVERS ORMOND BEACH, FL

System/Unit: FAN - Exhaust

Asset: PRV4 AREA:HOOD 3

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XRED-095-D	XRED-095-D-8-1-17-X
Serial Num	-	25128433
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

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

Test Data		
	Design	**Actual**
CFM	350	377
Fan RPM	1467	1050
Fan Rotation	-	CW
Motor RPM	-	1050
System SetPt	-	LOW SPEED WIRE
RL Voltage	-	124
RL Amperage	-	1.3
Total ESP	0.60"	0.48”
Fan Inlet SP	-	-0.48”
Fan Discharge SP	-	ATM

Completed By: Mark Johnson on 12/05/2024

Unit Data - PHOTO LOG

12/03/2024

National TAB

Project: 12-02-24 CULVERS ORMOND BEACH, FL

System/Unit: Kitchen Hood Type I

Asset: HD1 AREA:GRIDDLE

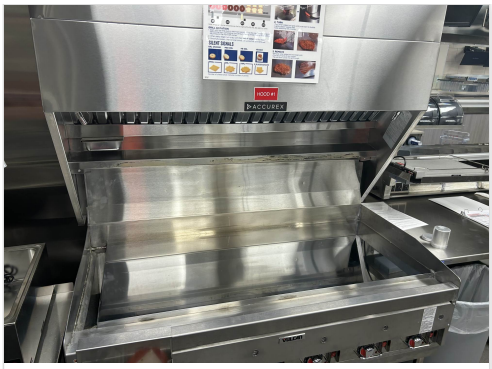
Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XGEP-64S	XXEP-83.00-S
Job / Serial Num	-	25144485
Type	TYPE I	TYPE I LOW PROXIMITY
Hood length	64"	64”
Hood Width	23"	23”

Test Data Exhaust		
	Design	**Actual**
Filter Type	GREASE GRABBER	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	-	250
Filter2 FPM	-	230
Filter3 FPM	-	237
Filter4 FPM	-	280
Filter Ave FPM(corr)	-	249
CFM	1500	1524

Cooking Equipment	
	Actual
Item 1	GRIDDLE

Completed By: Mark Johnson on 12/03/2024

Unit Data - PHOTO LOG



12/03/2024

National TAB

Project: 12-02-24 CULVERS ORMOND BEACH, FL

System/Unit: Kitchen Hood Type I

Asset: HD2 AREA:FRYERS

Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XXEP-83-S	XXEP-83.00-S
Job / Serial Num	-	25144482
Type	TYPE I	TYPE I LOW PROXIMITY
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	-	189
Filter2 FPM	-	188
Filter3 FPM	-	195
Filter4 FPM	-	196
Filter5 FPM	-	229
Filter Ave FPM(corr)	-	199
CFM	1500	1522

Cooking Equipment	
	Actual
Item 1	FRYER

Completed By: Mark Johnson on 12/03/2024

Unit Data - PHOTO LOG

12/03/2024

National TAB

Project: 12-02-24 CULVERS ORMOND BEACH, FL

System/Unit: Kitchen Hood Type II

Asset: HD3 AREA:DISHWASHER

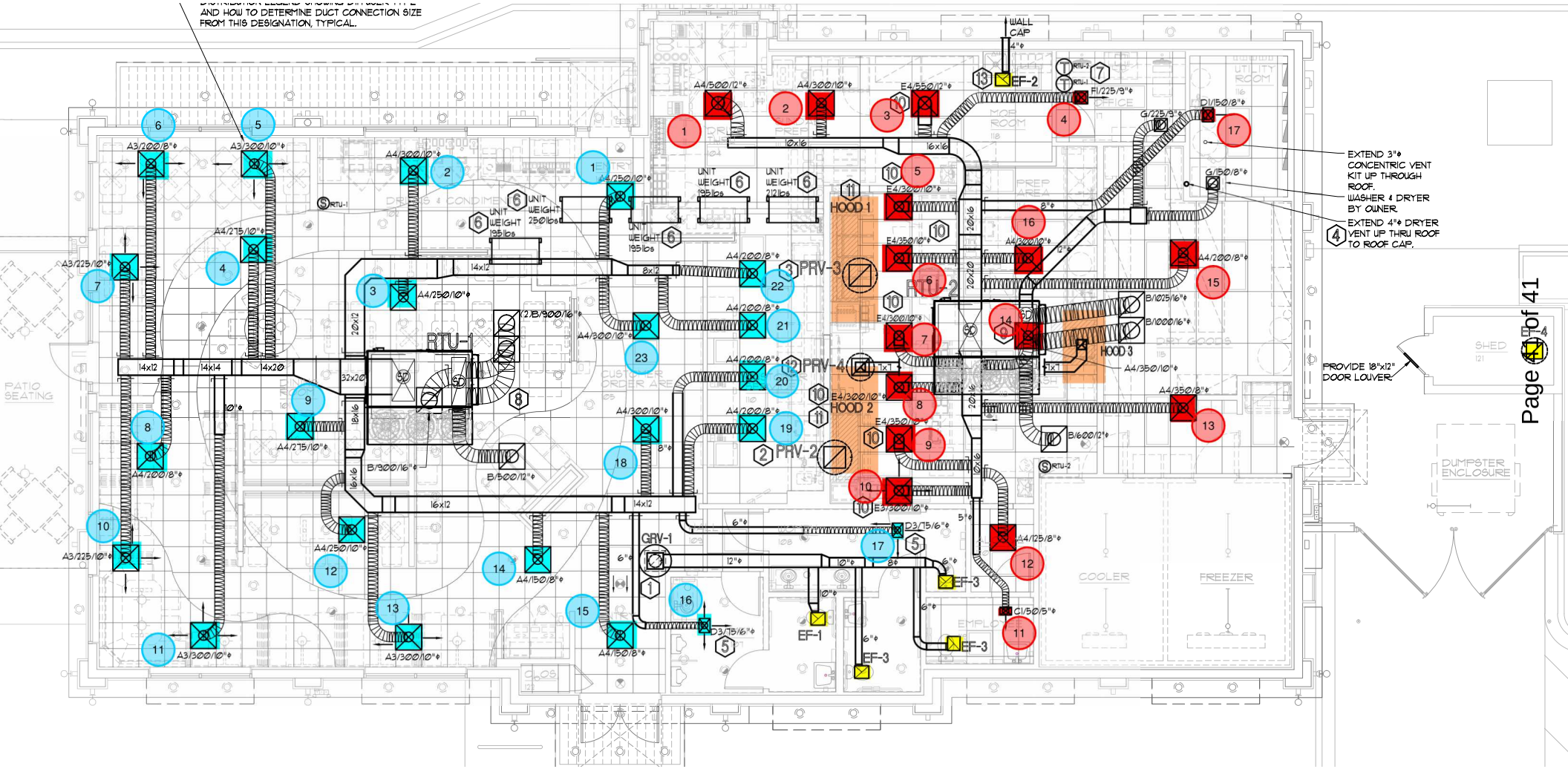
Unit Data		
	Design	**Actual**
MFG	ACCUREX	ACCUREX
Model Num	XD3-42-S	XD3-42.00-S
Serial Num	-	25144486
Type	TYPE II	TYPE II
Hood length	42"	42”
Hood Width	42"	42”

Test Data		
	Design	**Actual**
Exhaust CFM	350	377

Completed By: Mark Johnson on 12/05/2024

Unit Data - PHOTO LOG

12/03/2024


DISTRIBUTION LEGEND SHOWING DIFFUSER TYPE AND HOW TO DETERMINE DUCT CONNECTION SIZE FROM THIS DESIGNATION, TYPICAL.
WALL CAP 4"ø
EF-2
RTU-2
RTU-1
EXTEND 3"ø CONCENTRIC VENT KIT UP THROUGH ROOF. WASHER & DRYER BY OWNER.
EXTEND 4"ø DRYER VENT UP THRU ROOF TO ROOF CAP.
PROVIDE 18"x12" DOOR LOUVER
HOOD 1
HOOD 2
HOOD 3
PRV-2
PRV-3
PRV-4
GRV-1
EF-1
EF-3
RTU-1
RTU-2
UNIT WEIGHT 195lbs
UNIT WEIGHT 212lbs
UNIT WEIGHT 250lbs
PATIO SEATING
SHED
DUMPSTER ENCLOSURE
COOLER
FREEZER
DRESS & CONDIMENT
CUSTOMER ORDER AREA
PREP AREA
MOP ROOM
UTILITY ROOM
OFFICE
EMPLOY.
CLOS.

Date: 1/8/2025