Report By:

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

Report: TAB REPORT

Function: Test, Adjust, & Balance

Date: 11/17/2023

PROJECT

11-13-23 SWEETGREEN - CAMPBELL, CA (PRUNEYARD)

1875 SOUTH BASCOM AVE

CAMPBELL , CA 95008

Client

OMAK Construction

7269 32nd ST

North Highlands, CA 95660

National TAB

Project: 11-13-23 SWEETGREEN - CAMPBELL, CA (PRUNEYARD)

Table Of Contents

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.

MUA (Make Up Air Unit) w/ PSP
Total flow for the MAU (Make-up Air Unit) unit was measured by readings taken at the discharge of the hood's perforated supply plenum. Readings taken with a velocity matrix were averaged and multiplied by a manufacturer's corrected area. Adjustments to the fan speed were made in order to bring the unit to within design tolerance. Any MUA'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

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
AHU-4	SPACE 470	900	916	700	713	200	203	22.2%	22.2%						
EF-1	TRASH													100	92
TOTALS		900	916	700	713	200	203			0	0	0	0	100	92

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	200	203
TOTAL EXHAUST	100	92
NET AIRFLOW	100	111

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H20)
FRONT	0.003
SIDE	
REAR	
AVERAGE	**0.003**

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:

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
AHU-1	KITCHEN	1380	1309	1195	1127	185	182	13.4%	13.9%						
AHU-2	KITCHEN	1380	1443	1195	1246	185	197	13.4%	13.7%						
AHU-3	DINING	1380	1466	930	1045	450	421	32.6%	28.7%						
EF-1	HOT PREP													750	723
TOTALS		4140	4218	3320	3418	820	800			0	0	0	0	750	723

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	820	800
TOTAL EXHAUST	750	723
NET AIRFLOW	70	77

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H20)
FRONT	0.004
SIDE	
REAR	0.0031
AVERAGE	**0.0036**

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

- TECH - SITE PICTURES
- TECH - STEP 1: INITIAL WALKTHROUGH
- TECH - STEP 2: UNIT DATA AND EVAL
- TECH - STEP 3: TEST, ADJUST AND BALANCE
- TECH - STEP 4: FINAL TESTS
- TECH - STEP 4B: HOOD AND OVEN EVALUATION

11-13-23 SWEETGREEN - CAMPBELL, CA (PRUNEYARD)

CheckList Information

Name :	TECH - SITE PICTURES	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/26/2023 - Brianna Biggs - National TAB		

CheckList Item Details

STORE FRONT	Yes

Comment:

20231116_160355
11/17/2023

AHU-1	Yes

Comment:

20231115_165330
11/16/2023

AHU-2	Yes

Comment:

20231115_165315
11/16/2023

AHU-3	Yes

Comment:

20231115_165300
11/16/2023

AHU-4	Yes

Comment:

20231115_171050
11/16/2023

SF-1	Yes

Comment:

20231115_165249
11/16/2023

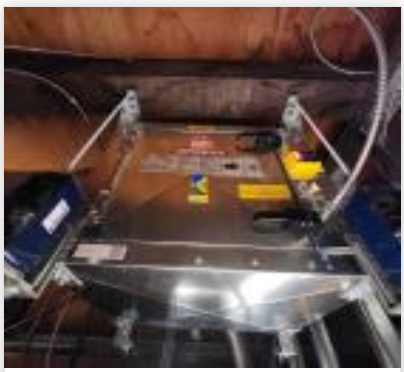
20231116_153131
11/16/2023

20231116_145009
11/17/2023

SF-2 Yes

Comment:

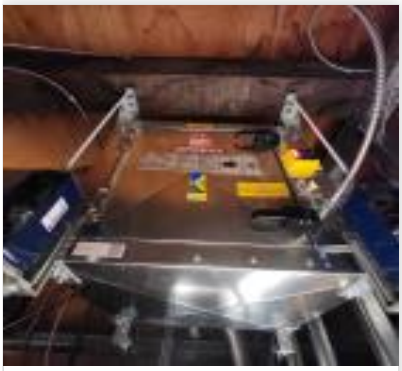
20231116_145009
11/16/2023



20231116_150500
11/17/2023

EF-1 Yes

Comment:



20231116_150500
11/16/2023

20231115_165249
11/17/2023

EF-2	Yes

Comment:

20231116_153131
11/17/2023

11-13-23 SWEETGREEN - CAMPBELL, CA (PRUNEYARD)

CheckList Information

Name :	TECH - STEP 1: INITIAL WALKTHROUGH	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	11/17/2023 - Brianna Biggs - National TAB		

CheckList Item Details

INITIAL SITE WALKTHROUGH

Review Plan Review Checklist, has it been signed off and meets our standards to start balancing? If not contact processor to ensure job is ready.

Comment:

YES

All diffusers and grilles are installed and match design?

Comment:

YES

All hood filters installed and accounted for?

Comment:

YES

Hoods are wired and have power?

Comment:

N/A

Hood is free of alarms?

Comment:

N/A

Thermostats have power?

Comment:

YES

Have trades/general contractor been notified about any issues and are they created on FaciliBuild?

Comment:

YES

11-13-23 SWEETGREEN - CAMPBELL, CA (PRUNEYARD)

CheckList Information

Name :	TECH - STEP 2: UNIT DATA AND EVAL	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	11/17/2023 - Brianna Biggs - National TAB		

CheckList Item Details

UNIT DATA AND EVALUATION WHILE GATHERING UNIT DATA CHECK THE FOLLOWING:

RTU's/AHU's

Economizers are assembled and functional?

Comment:

N/A

DCV Max damper opening position is set to minimum?

Comment:

N/A

Free cooling enthalpy set point set for lowest setting (Typically "D")

Comment:

N/A

Motors are all operating below the FLA rating?

Comment:

YES

Are belts tight?

Comment:

N/A

If direct drive unit is the speed controller working.

Comment:

YES

Is gas piping installed and valves turned on?

Comment:

N/A

Unit free of noticeable noise and vibrat

Comment:

YES

EF's

Rotation is correct?

Comment:

YES

Belts are tight?

Comment:

N/A

Grease cup installed on hood fan?

Comment:

N/A

Hinge kit installed installed on hood fan?

Comment:

N/A

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

Comment:

N/A

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

Comment:

N/A

There is no major leakage around base of fan?

Comment:

N/A

Is the motor operating below the motor FLA rating?

Comment:

YES

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

Comment:

N/A

Unit free of noticeable noise and vibration?

Comment:

YES

MUA

Rotation is correct?

Comment:

N/A

Gas piping is installed and valves are in on position?

Comment:

N/A

Heater tested and is functional?

Comment:

N/A

Internal motorized damper is fully opening?

Comment:

N/A

Motor is operating below the FLA rating?

Comment:

N/A

Unit free of noticeable noise and vibration?

Comment:

N/A

HOODS

Kitchen equipment installed in proper places?

Comment:

YES

Can kitchen equipment be turned on for final smoke test?

Comment:

NO

DOCUMENTATION

Have trades/general contractor been notified about any issues and are they created on FaciliBuild?

Comment:

AIR PURIFICATION INSPECTION Yes

Comment:

PHI Air purifiers are installed?

Comment:

YES

Are they installed after the evaporator coil or in the supply duct?

Comment:

YES

Are they powered?

Comment:

YES

If PKG installed inside of the blower compartment, is the wiring exposed to UV light protected with split loom or conduit?

Comment:

N/A

If Reme Halo, is it installed so that the air flow arrow is pointing correct direction?

Comment:

YES

Is a UV warning sticker installed?

Comment:

YES

Take picture of each air purifier and include in the report

Comment:

NA

11-13-23 SWEETGREEN - CAMPBELL, CA (PRUNEYARD)

CheckList Information

Name :	TECH - STEP 3: TEST, ADJUST AND BALANCE	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	11/17/2023 - Brianna Biggs - National TAB		

CheckList Item Details

TEST, ADJUST, AND BALANCE ALL EQUIPMENT:

DURING TESTING MAKE NOTE OF THE FOLLOWING:

Is space free of drafting?

Comment:

YES

Is space comfortable in all areas?

Comment:

YES

Is the space free of ventilation noise?

Comment:

YES

If deviations from design were necessary to resolve 1-3 what were they? Otherwise put "NA".

Comment:

N/A

11-13-23 SWEETGREEN - CAMPBELL, CA (PRUNEYARD)

CheckList Information

Name :	TECH - STEP 4: FINAL TESTS	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	11/17/2023 - Brianna Biggs - National TAB		

CheckList Item Details

FINAL TESTS

HOOD CAPTURE TEST

List equipment turned on for testing

Comment:

NONE

List smoke candle type used

Comment:

45 SECONDS

Smoke test capture - Perimeter of hood

Comment:

N/A

Smoke test capture - Top of cooking surface

Comment:

YES

WITNESS

Date test was completed	Yes

Comment:

11/16/2023

TAB tech name / Firm	Yes

Comment:

ZACK / NATIONAL TAB

Site super name / Firm	Yes

Comment:

ALFONSO / AMERICO

Owner representative name / Firm (if Applicable)	N/A

Comment:

Building pressure at front & back doors (All Systems On)

Comment:

0.0036"

ADDITIONAL

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

Comment:

YES

Thermostats are programmed?

Comment:

YES

11-13-23 SWEETGREEN - CAMPBELL, CA (PRUNEYARD)

CheckList Information

Name :	TECH - STEP 4B: HOOD AND OVEN EVALUATION	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	11/17/2023 - Brianna Biggs - National TAB		

CheckList Item Details

HOOD AND OVEN EVALUATION

Is the oven covered by a hood?

Comment:

N/A

What is the hood overhang over the front of the hood?

Comment:

N/A

What is hood overhang over the left and right sides of the oven?

Comment:

N/A

If vertical end panels are specified, are they installed?

Comment:

N/A

SMOKE TEST AT HOOD

Comment:

N/A

If oven is capable of turning on, it is required to be turned on for smoke test. Was oven on for smoke test?

Comment:

NO

Smoke test the oven at the flue on the top of the hood - Capture %?

Comment:

100%

Smoke test the oven at perimeter of the oven - capture %?

Comment:

100%

Smoke test the oven at the perimeter of the hood - capture %?

Comment:

N/A

IF NO HOOD IS INSTALLED ABOVE THE OVEN

If no hood is installed above the oven, and it is only a grille, smoke test at the top of the oven at the flue and note the capture %. If smoke capture is very poor, hold the candle up by the grille after a few seconds so that the smoke alarms don't get set off.

Comment:

100%

SMOKE TEST AT OVEN

Confirm that the internal fan turns on as you open the oven door?

Comment:

N/A

Smoke test at the oven doors as you are opening the door - capture %?

Comment:

100%

Smoke test at the oven doors when the doors are shut - capture %?

Comment:

100%

EXHAUST DISCHARGE AND OA INTAKES

Identify where the exhaust air is discharged and take pictures

Comment:

NA

Are there are any outside air intakes nearby that would be able to re-entrain the exhaust smoke? Take pictures

Comment:

NO

Are there any building entrances or windows near the exhaust discharge where smoke that will cause smoke to enter unwanted spaces?

Comment:

NO

National TAB

Project: 11-13-23 SWEETGREEN - CAMPBELL, CA (PRUNEYARD)

System/Unit: AHU/RTU

Asset: AHU1 AREA:KITCHEN

Unit Data		
	Design	**Actual**
MFG	DAIKIN	DAIKIN
Serial Num	-	E019004
Model Num	FXMQ48PBVJU	FXMQ48PBVJU
Type	AHU	AHU
Configuration	VERTICAL	HORIZONTAL
Num OA Filters 1	-	N/A
OA Filter Size 1	-	N/A
Num Final Filter 1	-	2
Final Filter Size 1	-	12X27X4

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	1	1
Rated Voltage	208	208
Rated Amperage	-	2.7

Test Data		
	Design	**Actual**
SF CFM	1380	1309
SF RPM	-	23-6-15 SPEED SET POINT
RA CFM	1195	1127
OA CFM	185	182
RL Voltage	-	209
RL Amperage	-	1.7
SF Rotation	-	CCW
RA Damper Position	-	N/A
Min OA Damper Position	-	N/A
Min OA Damper Type	-	N/A
OA Enthalpy Setpt	-	N/A

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.2"
Fan Suction SP	-	-0.43"
Fan Discharge SP	-	0.19"
Total ESP	0.8"	0.39"
Fan Total SP	-	0.62"

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

Completed By: Zack Eismin on 11/16/2023

National TAB

Project:11-13-23 SWEETGREEN - CAMPBELL, CA (PRUNEYARD)

AHU/RTU

Diffuser Supply (GRD)

AHU1/KITCHEN

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	SERVELINE	CD3	8"	150	1	110	141	141	94.0
SGRD2	SERVELINE	CD3	8"	150	1	101	136	136	90.7
SGRD3	SERVELINE	CD3	8"	150	1	90	145	145	96.7
SGRD4	SERVELINE	CD3	8"	150	1	115	152	152	101.3
SGRD5	SERVELINE	CD3	8"	150	1	119	135	135	90.0
SGRD6	SERVELINE	CD3	8"	150	1	124	141	141	94.0
SGRD7	SERVELINE	CD3	8"	150	1	93	138	138	92.0
SGRD8	COLD PREP	CD1	10"	330	1	308	321	321	97.3
Total				1380		1060	1309	1309	94.86%

National TAB

Project: 11-13-23 SWEETGREEN - CAMPBELL, CA (PRUNEYARD)

System/Unit: AHU/RTU

Asset: AHU2 AREA:KITCHEN

Unit Data		
	Design	**Actual**
MFG	DAIKIN	DAIKIN
Serial Num	-	E019003
Model Num	FXMQ48PBVJU	FXMQ48PBVJU
Type	AHU	AHU
Configuration	VERTICAL	HORIZONTAL
Num OA Filters 1	-	N/A
OA Filter Size 1	-	N/A
Num Final Filter 1	-	2
Final Filter Size 1	-	12X27X4

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	1	1
Rated Voltage	208	208
Rated Amperage	-	2.7

Test Data		
	Design	**Actual**
SF CFM	1380	1443
SF RPM	-	23-6-15 SPEED SET POINT
RA CFM	1195	1246
OA CFM	185	197
RL Voltage	-	209
RL Amperage	-	1.8
SF Rotation	-	CCW
RA Damper Position	-	N/A
Min OA Damper Position	-	20%
Min OA Damper Type	-	MANUAL
OA Enthalpy Setpt	-	N/A

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.23"
Fan Suction SP	-	-0.49"
Fan Discharge SP	-	0.24"
Total ESP	0.8"	0.47"
Fan Total SP	-	0.73"

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

Completed By: Zack Eismin on 11/16/2023

Diffuser Supply (GRD)

AHU2/KITCHEN

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	OLO LINE	CD2	10"	275	1	140	301	301	109.5
SGRD2	OLO LINE	CD2	10"	275	1	119	266	266	96.7
SGRD3	HOT PREP	CD1	12"	415	1	178	450	450	108.4
SGRD4	BOH KITCHEN	CD1	12"	415	1	246	426	426	102.7
Total				1380		683	1443	1443	104.57%

National TAB

Project: 11-13-23 SWEETGREEN - CAMPBELL, CA (PRUNEYARD)

System/Unit: AHU/RTU

Asset: AHU3 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	DAIKIN	DAIKIN
Serial Num	-	E019002
Model Num	FXMQ48PBVJU	FXMQ48PBVJU
Type	AHU	AHU
Configuration	VERTICAL	HORIZONTAL
Num OA Filters 1	-	N/A
OA Filter Size 1	-	N/A
Num Final Filter 1	-	2
Final Filter Size 1	-	12X27x4

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	1	1
Rated Voltage	208	208
Rated Amperage	-	2.7

Test Data		
	Design	**Actual**
SF CFM	1380	1466
SF RPM	-	23-6-15 SPEED SET POINT
RA CFM	930	1045
OA CFM	450	421
RL Voltage	-	209
RL Amperage	-	1.6
SF Rotation	-	CCW
RA Damper Position	-	N/A
Min OA Damper Position	-	35%
Min OA Damper Type	-	MANUAL
OA Enthalpy Setpt	-	N/A

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.21"
Fan Suction SP	-	-0.39"
Fan Discharge SP	-	0.24"
Total ESP	0.8"	0.45"
Fan Total SP	-	0.63"

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

Completed By: Zack Eismin on 11/16/2023

Notes:
UNIT IS SCHEDULED FOR 1380 BUT DIFFUSER TOTAL IS 1180. DIFFUSERS ARE PROPORTIONALLY BALANCED TO 1380 TOTAL.

Written By: Zack Eismin on 11/16/2023

National TAB

Project:11-13-23 SWEETGREEN - CAMPBELL, CA (PRUNEYARD)

AHU/RTU

Diffuser Supply (GRD)

AHU3/DINING

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	DINING	SG1	10/6	321	1	97	351	351	109.3
SGRD2	DINING	SG1	10/6	88	1	163	89	89	101.1
SGRD3	DINING	SG1	10/6	88	1	125	95	95	108.0
SGRD4	DINING	SG1	10/6	88	1	75	91	91	103.4
SGRD5	DINING	SG1	10/6	88	1	114	95	95	108.0
SGRD6	DINING	SG1	10/6	58	1	163	63	63	108.6
SGRD7	DINING	SG1	10/6	58	1	198	56	56	96.6
SGRD8	DINING	SG1	10/6	235	1	120	254	254	108.1
SGRD9	DINING	SG1	10/6	58	1	233	61	61	105.2
SGRD10	DINING	SG1	10/6	58	1	189	63	63	108.6
SGRD11	DINING	SG1	10/6	240	1	108	248	248	103.3
Total				1380		1585	1466	1466	106.23%

National TAB

Project: 11-13-23 SWEETGREEN - CAMPBELL, CA (PRUNEYARD)

System/Unit: AHU/RTU

Asset: AHU4 AREA:SPACE 470

Unit Data		
	Design	**Actual**
MFG	DAIKIN	DAIKIN
Serial Num	-	E020245
Model Num	FXMQ36PBVJU	FXMQ36PBVJU
Type	AHU	AHU
Configuration	VERTICAL	HORIZONTAL
Num OA Filters 1	-	N/A
OA Filter Size 1	-	N/A
Num Final Filter 1	-	2
Final Filter Size 1	-	12X27X4

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	1	1
Rated Voltage	208	208
Rated Amperage	-	2.3

Test Data		
	Design	**Actual**
SF CFM	900	916
SF RPM	-	NA
RA CFM	700	713
OA CFM	200	203
RL Voltage	-	209
RL Amperage	-	1.4
SF Rotation	-	CCW
RA Damper Position	-	N/A
Min OA Damper Position	-	100%
Min OA Damper Type	-	MANUAL
OA Enthalpy Setpt	-	N/A

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.25"
Fan Suction SP	-	-0.39
Fan Discharge SP	-	0.31"
Total ESP	0.8"	0.56"
Fan Total SP	-	0.7"

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

Completed By: Zack Eismin on 11/16/2023

Diffuser Supply (GRD)

AHU4/SPACE 470

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1		CD1	10"	150	1	290	157	157	104.7
SGRD2		CD1	10"	150	1	51	163	163	108.7
SGRD3	OPERATIONS RM	CD1	10"	300	1	246	278	278	92.7
SGRD4		CD1	8"	125	1	154	137	137	109.6
SGRD5		CD1	8"	125	1	190	128	128	102.4
SGRD6	TRASH ROOM	CD1	6"	50	1	90	53	53	106.0
Total				900		1021	916	916	101.78%

National TAB

Project: 11-13-23 SWEETGREEN - CAMPBELL, CA (PRUNEYARD)

System/Unit: FAN - Exhaust

Asset: EF1 AREA:

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	SIF11DD	SIF11DD
Serial Num	-	5835454
Type	INLINE	INLINE
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	0.75	0.75
Motor Rpm	-	2400
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	8.9
Service Factor	-	1.15

Test Data		
	Design	**Actual**
CFM	750	723
Fan RPM	-	1226
Fan Rotation	-	CCW
Motor RPM	-	1226
System SetPt	-	61%
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	1.0"	0.78"
Fan Inlet SP	-	-0.49"
Fan Discharge SP	-	0.29"

Completed By: Zack Eismin on 11/16/2023

Notes:
SEPERATE EF INSTALLED TO SERVICE TRASH ROOM EXHAUST TOTAL REDUCED BY 100 CFM

Written By: Zack Eismin on 11/16/2023

National TAB

Project: 11-13-23 SWEETGREEN - CAMPBELL, CA (PRUNEYARD)

System/Unit: FAN - Exhaust

Asset: EF2 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	BROAN
Model Num	NA	AE110K-A
Serial Num	-	NL

Test Data		
	Design	**Actual**
CFM	100	92

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	-	1
Voltage (rated)	-	120
Amperage (rated)	-	0.3

Completed By: Zack Eismin on 11/16/2023

Notes:
SERVICES TRASH ROOM SCHEDULED FOR 100 CFM

Written By: Zack Eismin on 11/16/2023

National TAB

Project: 11-13-23 SWEETGREEN - CAMPBELL, CA (PRUNEYARD)

System/Unit: FAN - Exhaust

Asset: SF1 AREA:

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	SIF13DD-HE	SIF13DD-HE
Serial Num	-	5835454
Type	INLINE	INLINE
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	0.50	0.5
Motor Rpm	-	3100
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	6.3
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	820	800
Fan RPM	-	1856
Fan Rotation	-	CCW
Motor RPM	-	1856
System SetPt	-	90%
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	1.0"	0.66"
Fan Inlet SP	-	-0.27"
Fan Discharge SP	-	0.39"

Completed By: Zack Eismin on 11/16/2023

National TAB

Project: 11-13-23 SWEETGREEN - CAMPBELL, CA (PRUNEYARD)

System/Unit: FAN - Exhaust

Asset: SF2 AREA:

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	SIF11DD	SIF11DD
Serial Num	-	5835454
Type	INLINE	INLINE
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	0.75	0.75
Motor Rpm	-	2400
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	8.9
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	200	203
Fan RPM	-	1864
Fan Rotation	-	CCW
Motor RPM	-	1864
System SetPt	-	98%
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	1.0"	0.42"
Fan Inlet SP	-	-0.19"
Fan Discharge SP	-	0.23"

Completed By: Zack Eismin on 11/16/2023