Report By:

National TAB
1329 E. KEMPER ROAD
SUITE 4210
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NATIONAL TAB

Comfort. Under control.

Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 7/22/2022

PROJECT

SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

8870 SW 136TH ST

MIAMI, FL

Client

US Construction Corp.
6355 NORTHWEST 36TH ST
SUITE 608
MIAMI, FL

National TAB

Project: SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

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.

AHU's w/ Diffusers

Each of the AHU's were measured at their terminal devices or via traverse to establish a total flow for that unit. Each AHU was adjusted to within tolerance of the engineer's design flow. Each outlet was then adjusted to within tolerance of the design flow. If provided with outside air, the flow was measured via traverse. 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.

Outside Air Fan

The OAF provides ventilation air to HVAC units throughout the space. All equipment on the duct system was first turned on in a full fan speed condition. The total airflow was measured via traverse and then adjustment was made to bring the total flow within design tolerance. The individual branches to each unit were then traversed and balanced until they were within design tolerances. Once balancing was completed, the overrides were released

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.

SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

Project Issue Information

Issue Name : AC Units are Inaccessible

Description : AC units are 5 feet above ceiling and are inaccessible for access. Unable to gather all data off the equipment or troubleshoot units with low flow. May also present issues for maintenance.

Created By : National TAB **Assigned To :** National TAB - Will Turnbough

Status : Open

Originated Date : 05/25/2022 - David Annan - National TAB

Project Issue File Details

Screenshot_2022_07_22_134035.png

SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

Project Issue Information

Issue Name : AC-2 and 3 are low on flow

Description : AC-2 airflow is 71% of design and AC-3 is 64% of design. Spoke with Trane technician and they said that the unit fan speed is balanced via the thermostat and currently set for the highest speed. Unable to access equipment to troubleshoot further. Recommend verifying that the filters are clean and speaking with Trane for further guidance.

Created By : National TAB **Assigned To :** National TAB - Will Turnbough

Status : Open

Originated Date : 07/22/2022 - Will Turnbough - National TAB

Project Issue File Details

Screenshot_2022_07_22_134124.png

SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

Project Issue Information

Issue Name : AC5 dampers are not accessible.

Description : Balanced the equipment to total flow but unable to balance the individual air devices.

Created By : National TAB **Assigned To :** National TAB - Will Turnbough

Status : Open

Originated Date : 07/22/2022 - Will Turnbough - National TAB

Project Issue File Details

Screenshot_2022_07_22_133923.png

SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

Project Issue Information

Issue Name : Restroom exhaust fan dampers are not present.

Description : Total flow was balanced to the fan, but the individual grilles could not be balanced to design.

Created By : National TAB **Assigned To :** National TAB - David Annan

Status : Open

Originated Date : 07/22/2022 - Will Turnbough - National TAB

Project Issue File Details

Screenshot_2022_07_22_133538.png

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
AC-1	BOH	300	273	290	262	10	11	3.3%	4.0%						
AC-2	BOH	1342	963	1197	828	145	135	10.8%	14.0%						
AC-3	BOH	1342	862	1197	723	145	139	10.8%	16.1%						
AC-4	DINING	1342	1246	992	912	350	334	26.1%	26.8%						
AC-5	DINING	1412	1364	1062	1015	350	349	24.8%	25.6%						
OAF-1	AC UNITS					1000	968								
GX-1	BOH													750	799
TX-1	RESTROOM													150	147
TOTALS		5738	4708	4738	3740	1000	968			0	0	0	0	900	946

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	1000	968
TOTAL EXHAUST	900	946
NET AIRFLOW	100	22

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

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. ✓

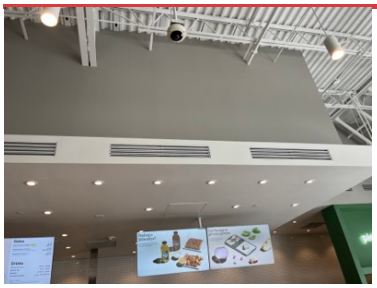
NOTES:

SYSTEM COMPONENTS TO ASSETS SCHEDULED ABOVE

UNIT	MANUFACTURER	FILTER TYPE/#/SIZE	MAU TYPE	SIZE	HOOD MAKE-UP	HOOD EXHAUST	NET CFM
HD							0
HD							0
HD							0
HD							0
HD							0
HD							0
HD							0
HD							0
HD							0

STOREFRONT

OVEN

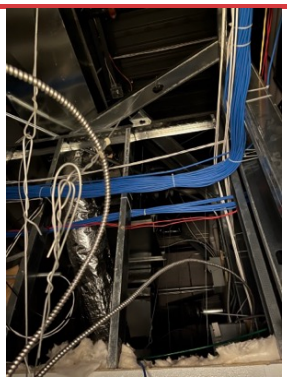


DINING AREA DIFFUSER DAMPERS NOT ACCESSIBLE

Unit totals were balanced.

RESTROOM EXHAUST DAMPERS NOT PRESENT

Fan total balanced.



UNITS NOT ACCESSIBLE DUE TO HEIGHT AND SPACE RESTRAINTS

AC 2 & 3 LOW FLOW. FANS IN HIGH SPEED.

NTAB discussed with Trane tech and MC regarding AC 2 and 3 being low on flow. NTAB was informed that the only speed control is via the thermostats, in which both units are currently in high speed. Store was comfortable in current conditions, but it is still suggested to increase fan speeds if at all possible on these units.

SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

CheckList Information

Name :	TECH - STEP 1: INITIAL WALKTHROUGH	**Status :**	Submitted
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	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.	YES
All diffusers and grilles are installed and match design?	YES
All hood filters installed and accounted for?	YES
Hoods are wired and have power?	NA
Hood is free of alarms?	NA
Thermostats have power?	YES
Have trades/general contractor been notified about any issues and are they created on FaciliBuild?	YES

Notes/Comments :

NO ACCESS TO ANY PANELS IN UNITS

SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

CheckList Information

Name :	TECH - STEP 2: UNIT DATA AND EVAL	**Status :**	Submitted
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	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?	MANUAL DAMPERS
DCV Max damper opening position is set to minimum?	NA
Free cooling enthalpy set point set for lowest setting (Typically "D")	NA
Motors are all operating below the FLA rating?	NA
Are belts tight?	ALL UNITS DD
If direct drive unit is the speed controller working.	YES
Is gas piping installed and valves turned on?	ELECTRIC HEAT USED
Unit free of noticeable noise and vibrat	YES
EF's	
Rotation is correct?	DD
Belts are tight?	DD
Grease cup installed on hood fan?	NA
Hinge kit installed installed on hood fan?	NA EF IS INLINE FAN
Lean fan back. Is grease duct installation adequate and is duct ran all the way to the base of the fan?	NA EF IS INLINE FAN
Flex conduit is long enough so that fan can be completely tilted back?	NA EF IS INLINE FAN
There is no major leakage around base of fan?	NO

Is the motor operating below the motor FLA rating?	NA
For restroom fan(s) is the back draft damper installed and can it fully open?	UNABLE TO DETERMINE
Unit free of noticeable noise and vibration?	YES
MUA	
Rotation is correct?	NA
Gas piping is installed and valves are in on position?	NA
Heater tested and is functional?	NA
Internal motorized damper is fully opening?	NA
Motor is operating below the FLA rating?	NA
Unit free of noticeable noise and vibration?	NA
HOODS	
Kitchen equipment installed in proper places?	NA
Can kitchen equipment be turned on for final smoke test?	NA
DOCUMENTATION	
Have trades/general contractor been notified about any issues and are they created on FaciliBuild?	YES
AIR PURIFICATION INSPECTION	
PHI Air purifiers are installed?	NOT YET INSTALLED BUT REMI HALO ON SITE
Are they installed after the evaporator coil or in the supply duct?	-
Are they powered?	-
If PKG installed inside of the blower compartment, is the wiring exposed to UV light protected with split loom or conduit?	-
If Reme Halo, is it installed so that the air flow arrow is pointing correct direction?	-
Is a UV warning sticker installed?	-
Take picture of each air purifier and include in the report	-

Notes/Comments :

SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

CheckList Information

Name :	TECH - STEP 3: TEST, ADJUST AND BALANCE	**Status :**	Submitted
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		

CheckList Item Details

TEST, ADJUST, AND BALANCE ALL EQUIPMENT:

DURING TESTING MAKE NOTE OF THE FOLLOWING:

Is space free of drafting?	YES
Is space comfortable in all areas?	YES
Is the space free of ventilation noise?	YES
If deviations from design were necessary to resolve 1-3 what were they? Otherwise put "NA".	NA

Notes/Comments :

SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

CheckList Information

Name :	TECH - STEP 4: FINAL TESTS	**Status :**	Submitted
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		

CheckList Item Details

FINAL TESTS	
HOOD CAPTURE TEST	
List equipment turned on for testing	NA
List smoke candle type used	NA
Smoke test capture - Perimeter of hood	NA
Smoke test capture - Top of cooking surface	NA
WITNESS	
Date test was completed	No
TAB tech name / Firm	No
Site super name / Firm	No
Owner representative name / Firm (if Applicable)	No
Building pressure at front & back doors (All Systems On)	Yes
ADDITIONAL	
Do actual net building airflow, design net building airflow, and pressure coincide? If not why? (All three should either be positive or negative)	0.004" AVG
Thermostats are programmed?	YES

Notes/Comments :

SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

CheckList Information

Name :	TECH - STEP 4B: HOOD AND OVEN EVALUATION	**Status :**	Submitted
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		

CheckList Item Details

HOOD AND OVEN EVALUATION	
Is the oven covered by a hood?	YES
What is the hood overhang over the front of the hood?	NO HOOD OVERHANG
What is hood overhang over the left and right sides of the oven?	NO HOOD OVERHANG
If vertical end panels are specified, are they installed?	NA
SMOKE TEST AT HOOD	NA
If oven is capable of turning on, it is required to be turned on for smoke test. Was oven on for smoke test?	NA
Smoke test the oven at the flue on the top of the hood - Capture %?	NA
Smoke test the oven at perimeter of the oven - capture %?	NA
Smoke test the oven at the perimeter of the hood - capture %?	NA
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.	NA
SMOKE TEST AT OVEN	
Confirm that the internal fan turns on as you open the oven door?	NA
Smoke test at the oven doors as you are opening the door - capture %?	NA

Smoke test at the oven doors when the doors are shut - capture %?	NA
EXHAUST DISCHARGE AND OA INTAKES	
Identify where the exhaust air is discharged and take pictures	YES
Are there are any outside air intakes nearby that would be able to re-entrain the exhaust smoke? Take pictures	NO
Are there any building entrances or windows near the exhaust discharge where smoke that will cause smoke to enter unwanted spaces?	NO

Notes/Comments :

National TAB

Project: SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

System/Unit: AHU/RTU

Asset: AC1 AREA:BOH

Unit Data		
	Design	**Actual**
MFG	MITSUBISHI	MITSUBISHI
Serial Num	-	22R0112030P90W
Model Num	PEFY-P12NMAU-E3	TPEFYP012MA144A
Type	-	AHU
Configuration	-	HORIZONTAL
Num Final Filter 1	-	NOT ACCESSIBLE - HEIGHT
Final Filter Size 1	-	-
Num Final Filter 2	-	NA
Final Filter Size 2	-	NA

Motor Data		
	Design	**Actual**
Motor MFG	-	NA
Frame	-	NA
Horsepower	-	0.114
Motor Rpm	-	NA
Phase	1	1
Rated Voltage	208	208/230
Rated Amperage	-	0.89

Drive Data		
	Design	**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	300	273
SF RPM	-	HIGH
RA CFM	290	262
OA CFM	10	11
RL Voltage	-	NA
RL Amperage	-	NA
SF Rotation	-	NA
RA Damper Position	-	NA
Min OA Damper Position	-	NA
Min OA Damper Type	-	MANUAL DAMPER
OA Enthalpy Setpt	-	NA
Brake Horse Power	-	NA

Performance Data		
	Design	**Actual**
MA Plenum SP	-	INACCESSIBLE
Fan Suction SP	-	-
Fan Discharge SP	-	-
Total ESP	-	-
Fan Total SP	-	-

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

Completed By: Stephen Tassinaro

Notes:DIFFUSER DESIGN TOTALS 300CFM. UNIT SCHEDULED AT 371CFM. PORPORTIONALLY ADJUSTED DIFFUSERS. NO ACCESS TO MOTOR COMPARTMENT OR ANY PANELS ON THE SIDE OF THE UNIT DUE TO UNIT HEIGHT. BOTTOM OF UNIT IS LOCATED APPROX 5FT ABOVE CEILING.

National TAB

Project:SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

AHU/RTU

Diffuser Supply (GRD)

AC1/BOH

Asset							
SGRD1	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	BOH	SD1	150	138	138	138	92.0
SGRD2	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	BOH	SD1	150	135	135	135	90.0

Completed By:Brianna Biggs on

Asset	Notes

National TAB

Project: SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

System/Unit: AHU/RTU

Asset: AC2 AREA:BOH

Unit Data		
	Design	**Actual**
MFG	MITSUBISHI	MITSUBISHI
Serial Num	-	23R0057030P914
Model Num	TPEFYP048MA144A	TPEFYP048MA144A
Type	-	AHU
Configuration	-	HORIZONTAL
Num Final Filter 1	-	INACCESSIBLE - HEIGHT
Final Filter Size 1	-	-
Num Final Filter 2	-	NA
Final Filter Size 2	-	NA

Motor Data		
	Design	**Actual**
Motor MFG	-	INACCESSIBLE - HEIGHT
Frame	-	NA
Horsepower	-	0.402
Motor Rpm	-	NA
Phase	1	1
Rated Voltage	208	208/230
Rated Amperage	-	3.09

Drive Data		
	Design	**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	1342	963
SF RPM	-	HIGH
RA CFM	1197	828
OA CFM	145	135
RL Voltage	-	NA
RL Amperage	-	NA
SF Rotation	-	NA
RA Damper Position	-	NA
Min OA Damper Position	-	NA
Min OA Damper Type	-	MANUAL DAMPER
OA Enthalpy Setpt	-	NA
Brake Horse Power	-	NA

Performance Data		
	Design	**Actual**
MA Plenum SP	-	INACCESSIBLE
Fan Suction SP	-	-
Fan Discharge SP	-	-
Total ESP	-	-
Fan Total SP	-	-

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

Completed By: Stephen Tassinaro

Notes:- DIFFUSER DESIGN TOTALS 1300CFM. UNIT SCHEDULED 1342CFM. - NO ACCESS TO MOTOR COMPARTMENT OR ANY PANELS ON SIDE OF UNIT DUE TO HEIGHT - NTAB SPOKE WITH MC AND TRANE AND WAS INFORMED THAT THIS UNIT IS MAXIMIMZED RUNNING AT 100%. NTAB VERIFIED READINGS TO BE THE SAME ON BOTH VISITS TO SITE.

National TAB

Project:SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

AHU/RTU

Diffuser Supply (GRD)

AC2/BOH

Asset							
SGRD1	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	PREP AREA	SD1	325	236	241	239	73.5
SGRD2	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	PREP AREA	SD1	325	207	312	247	76.0
SGRD3	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	PREP AREA	SD1	325	232	201	242	74.5
SGRD4	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	PREP AREA	SD1	325	179	207	235	72.3

Completed By:Brianna Biggs on

Asset	Notes

National TAB

Project: SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

System/Unit: AHU/RTU

Asset: AC3 AREA:BOH

Unit Data		
	Design	**Actual**
MFG	MITSUBISHI	MITSUBISHI
Serial Num	-	23R0056930P914
Model Num	TPEFYP048MA144A	TPEFYP048MA144A
Type	-	AHU
Configuration	-	HORIZONTAL
Num OA Filters 1	-	NA
OA Filter Size 1	-	NA
Num Final Filter 1	-	NA
Final Filter Size 1	-	NA
Num Final Filter 2	-	NA
Final Filter Size 2	-	NA

Motor Data		
	Design	**Actual**
Motor MFG	-	NA
Frame	-	NA
Horsepower	-	0.402
Motor Rpm	-	NA
Phase	1	1
Rated Voltage	208	208/230
Rated Amperage	-	3.09

Drive Data		
	Design	**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	1342	862
SF RPM	-	HIGH
RA CFM	1197	723
OA CFM	145	139
RL Voltage	-	NA
RL Amperage	-	NA
SF Rotation	-	NA
RA Damper Position	-	NA
Min OA Damper Position	-	NA
Min OA Damper Type	-	MANUAL DAMPER
OA Enthalpy Setpt	-	NA
Brake Horse Power	-	NA

Performance Data		
	Design	**Actual**
MA Plenum SP	-	INACCESSIBLE
Fan Suction SP	-	-
Fan Discharge SP	-	-
Total ESP	-	-
Fan Total SP	-	-

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

Completed By: Stephen Tassinaro

Notes:-DIFFUSER DESIGN TOTALS 1300CFM. UNIT SCHEDULED 1342CFM. -- NTAB SPOKE WITH MC AND TRANE AND WAS INFORMED THAT THIS UNIT IS MAXIMIMZED RUNNING AT 100%. NTAB VERIFIED READINGS TO BE THE SAME ON BOTH VISITS TO SITE.

National TAB

Project:SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

AHU/RTU

Diffuser Supply (GRD)

AC3/BOH

Asset							
SGRD1	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	KITCHEN	SD1	325	229	229	229	70.5
SGRD2	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	KITCHEN	SD1	325	219	219	219	67.4
SGRD3	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	KITCHEN	SD1	325	190	190	190	58.5
SGRD4	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	KITCHEN	SD1	325	224	224	224	68.9

Completed By:Brianna Biggs on

Asset	Notes

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Project: SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

System/Unit: AHU/RTU

Asset: AC4 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	MITSUBISHI	MITSUBISHI
Serial Num	-	23R0056830P914
Model Num	TPEFYP048MA144A	TPEFYP048MA144A
Type	-	AHU
Configuration	-	HOIRZONTAL
Num OA Filters 1	-	NA
OA Filter Size 1	-	NA
Num Final Filter 1	-	2
Final Filter Size 1	-	20X20X2
Num Final Filter 2	-	-
Final Filter Size 2	-	-

Motor Data		
	Design	**Actual**
Motor MFG	-	NA
Frame	-	NA
Horsepower	-	NA
Motor Rpm	-	NA
Phase	1	1
Rated Voltage	208	208/230
Rated Amperage	-	NA

Drive Data		
	Design	**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	1342	1246
SF RPM	-	MEDIUM
RA CFM	992	912
OA CFM	350	334
RL Voltage	-	NA
RL Amperage	-	NA
SF Rotation	-	NA
RA Damper Position	-	NA
Min OA Damper Position	-	NA
Min OA Damper Type	-	MANUAL DAMPER
OA Enthalpy Setpt	-	NA
Brake Horse Power	-	NA

Performance Data		
	Design	**Actual**
MA Plenum SP	-	INACCESSIBLE
Fan Suction SP	-	-
Fan Discharge SP	-	-
Total ESP	-	-
Fan Total SP	-	-

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

Completed By: Stephen Tassinaro

Notes:-DIFFUSER DESIGN TOTALS 1300CFM. UNIT SCHEDULED 1342CFM. -COULDN'T ACCESS MOTOR COMPARTMENT OR ANY PANELS ON THE SIDE - DAMPERS NOT ACCESSIBLE. UNIT TOTAL SET.

National TAB

Project:SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

AHU/RTU

Diffuser Supply (GRD)

AC4/DINING

Asset							
SGRD1	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	SERVELINE	LS1	325	420	420	336	103.4
SGRD2	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	SERVELINE	LS1	325	442	442	354	108.9
SGRD3	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	DINING	LS1	325	581	581	465	143.1
SGRD4	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	DINING	LS1	325	114	114	91	28.0

Completed By:Brianna Biggs on

Asset	Notes

National TAB

Project: SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

System/Unit: AHU/RTU

Asset: AC5 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	MITSUBISHI	MITSUBISHI
Serial Num	-	17W004377GEHA8
Model Num	TPEFYP054MH142A	TPEFYP054MH142A
Type	-	AHU
Configuration	-	HOIRZONTAL
Num OA Filters 1	-	NA
OA Filter Size 1	-	NA
Num Final Filter 1	-	2
Final Filter Size 1	-	20X20X2
Num Final Filter 2	-	-
Final Filter Size 2	-	-

Motor Data		
	Design	**Actual**
Motor MFG	-	NA
Frame	-	NA
Horsepower	-	0.402
Motor Rpm	-	NA
Phase	1	1
Rated Voltage	208	208/230
Rated Amperage	-	3.09

Drive Data		
	Design	**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	1412	1364
SF RPM	-	HIGH
RA CFM	1062	1015
OA CFM	350	349
RL Voltage	-	NA
RL Amperage	-	NA
SF Rotation	-	NA
RA Damper Position	-	NA
Min OA Damper Position	-	MANUAL DAMPER
Min OA Damper Type	-	NA
OA Enthalpy Setpt	-	NA
Brake Horse Power	-	NA

Performance Data		
	Design	**Actual**
MA Plenum SP	-	INACCESSIBLE
Fan Suction SP	-	-
Fan Discharge SP	-	-
Total ESP	-	-
Fan Total SP	-	-

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

Completed By: Stephen Tassinaro

Notes:- DIFFUSER DESIGN TOTALS = 1200CFM. UNIT SCHEDULED AT 1412CFM. PORPORTIONALLY ADJUSTED DIFFUSERS. - NO ACCESS TO MOTOR COMPARTMENT OR ANY PANELS ON THE SIDE. -DAMPERS NOT ACCESSIBLE. UNIT TOTAL SET.

National TAB

Project:SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

AHU/RTU

Diffuser Supply (GRD)

AC5/DINING

Asset							
SGRD1	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	SERVELINE	LS1	358	322	322	322	89.9
SGRD2	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	SERVELINE	LS1	358	469	469	469	131.0
SGRD3	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	SERVELINE	LS1	238	172	172	172	72.3
SGRD4	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	SERVELINE	LS1	358	313	313	313	87.4
SGRD5	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	RESTROOM	SD2	50	42	42	42	84.0
SGRD6	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	RESTROOM	SD2	50	46	46	46	92.0

Completed By:Brianna Biggs on

Asset	Notes

National TAB

Project: SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

System/Unit: FAN - Supply

Asset: OAF1 AREA:AC UNITS

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	SIF11-DD	SIF11-DD
Serial Num	-	NA
Type	INLINE	INLINE
Configuration	HORIZTONAL	HORIZONTAL

Motor Data		
	Design	**Actual**
Motor MFG	-	NA
Frame	-	NA
Horsepower	1/2	NA
Motor Rpm	-	NA
Phase	1	NA
Voltage (rated)	115	NA
Amperage (rated)	-	NA
Service Factor	-	NA

Gas Heat		
	Design	**Actual**
Heater Operates (y/n)	-	NA
Flame Status (pass/fail)	-	NA
Inlet Air Temp SetPt	-	NA
Discharge Air Temp SetPt	-	NA
Air Flow Switch SP Actual	-	NA

Test Data		
	Design	**Actual**
CFM	1000	968
SF RPM	1704	NA
Motor RPM	-	NA
SF System SetPt	-	NA
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	-	NA
Fan Discharge SP	-	NA

General		
	Design	**Actual**
Fan Rotation Correct	-	NA

Completed By: Stephen Tassinaro

Notes:NO ACCESS TO MOTOR COMPARTMENT OR ANY OTHER PANELS

National TAB

Project:SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

FAN - Supply

Diffuser Supply (GRD)

OAF1/AC UNITS

Asset					
AC1	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	10	11	11	11	110.0
AC2	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	145	135	135	135	93.1
AC3	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	145	139	139	139	95.9
AC4	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	350	334	334	334	95.4
AC5	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	350	349	349	349	99.7

Completed By:Brianna Biggs on

Asset	Notes

National TAB

Project: SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

System/Unit: FAN - Exhaust

Asset: GX1 AREA:BOH

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	SIF11-DD	SIF11-DD
Serial Num	-	NA
Type	INLINE	INLINE
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	**Actual**
Motor MFG	-	NA
Frame	-	NA
Horsepower	1/2	NA
Motor Rpm	-	NA
Phase	1	NA
Voltage (rated)	115	NA
Amperage (rated)	-	NA
Service Factor	-	NA

Test Data		
	Design	**Actual**
CFM	750	799
Fan RPM	1485	1384
Fan Rotation	-	DD
Motor RPM	-	NA
System SetPt	-	NA
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.891"	NA
Fan Inlet SP	-	NA
Fan Discharge SP	-	NA

Completed By: Stephen Tassinaro

Notes:NO ACCESS TO MOTOR COMPARTMENT

National TAB

Project:SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

FAN - Exhaust

Diffuser Ret/Exh (GRD)

GX1/BOH

Asset							
EGRD1	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	BOH	EG1	375	391	391	391	104.3
EGRD2	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	BOH	EG1	375	408	408	408	108.8

Completed By:Brianna Biggs on

Asset	Notes

National TAB

Project: SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

System/Unit: FAN - Exhaust

Asset: TX1 AREA:RESTROOM

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	SIF10-DD	SIF10-DD
Serial Num	-	5163289
Type	INLINE	INLINE
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	**Actual**
Motor MFG	-	CAPTIVEAIRE
Frame	-	NA
Horsepower	0.18	0.25
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	3.7
Service Factor	-	NA

Test Data		
	Design	**Actual**
CFM	150	147
Fan RPM	1200	901
Fan Rotation	-	CORRECT
Motor RPM	-	901
System SetPt	-	50P
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.517"	NA
Fan Inlet SP	-	NA
Fan Discharge SP	-	NA

Completed By: Stephen Tassinaro

Notes:NO ACCESS TO MOTOR COMPARTMENT OR ANY PANELS

National TAB

Project:SWEETGREEN #MIA - MIAMI, FL (THE FALLS) TAB, IAQ

FAN - Exhaust

Diffuser Ret/Exh (GRD)

TX1/RESTROOM

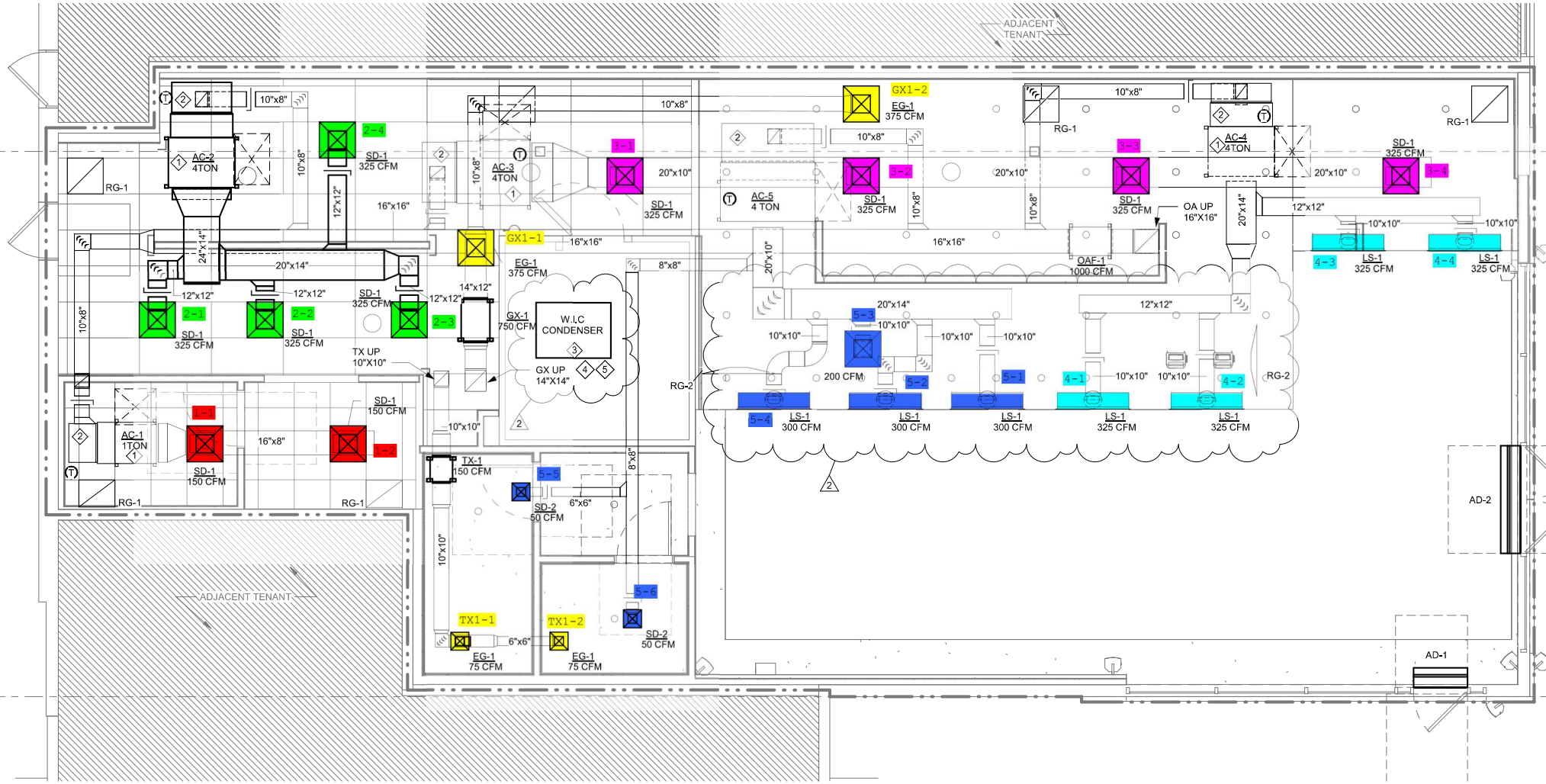
Asset							
EGRD1	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	RESTROOM	EG1	75	107	107	91	121.3
EGRD2	**Location**	**Type**	**DESIGN CFM**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
	RESTROOM	EG1	75	63	63	56	74.7

Completed By:Brianna Biggs on

Asset	Notes

spaces	None	None
	None	None
	R-4.2	None

es, both ventilated and nonventilated.
plenums with or without exposed roofs above.



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