

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

Table Of Contents

Section	Page #
Instruction Data	2
AHU/RTU	3
FAN - Exhaust	26
Kitchen Hood Type I	33
Kitchen Hood Type II	36



National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)
Function: Test, Adjust, & Balance

Project Instruction

Our goal for the project is to first establish total flows on the units and ensure that there is no drafting or other comfort concerns. When we are adjusting diffusers we do not want to make more than 2 passes due to time constraints. Based on the submittals it seems fan speeds will be adjusted through the thermostats, which are located in the office. DOAS 1 & 2 serve the kitchen and are ducted to diffusers. DOAS 3 provides outside air to the AHUs throughout the space. It would be optimal if we can traverse DOAS-3 to set the total and then distribute accordingly to the various AHUs. Building pressures should be taken from the space to outside, from the space to common areas of the building, and common areas to outside. Mock dinners are scheduled to start on Wednesday 4/1, expect more presence from the staff by this day and lets try to plan around them the best as possible. Your site contact is John Berenguer, his contact is 407-403-3553 / jberenguer@rccassociates.com. Touch base with Stephen & Joe either Tuesday PM or Wednesday AM to discuss how things are going and goals for the remainder of the week.

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: AHU/RTU



Asset: AHU-1

AREA:LARGE GROUP DINING 08

Unit Data	
	Actual
MFG	TRANE
Serial Num	
Model Num	5TTR7024A1
Configuration	
Num PreFilter 1	
PreFilter Size 1	
Num PreFilter 2	
PreFilter Size 2	
Num Final Filter 1	
Final Filter Size 1	
Num Final Filter 2	
Final Filter Size 2	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Rated Voltage	
Rated Amperage	
Service Factor	

Test Data		
	Design	Actual
SF CFM	800	
SF RPM	-	
RA CFM	685	
OA CFM	115	
Relief CFM	-	
RL Voltage	208	
RL Amperage	2.8	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	60	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D.	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Hot Gas Reheat P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

AHU/RTU



Diffuser Supply (GRD)

AHU-1/LARGE GROUP DINING 08

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-1	LARGE GROUP DINING 08	A1	10	265			-
1-2	LARGE GROUP DINING 08	A1	10	265			-
1-3	LARGE GROUP DINING 08	A1	10	270			-
Total				800	0	0	0%

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: AHU/RTU



Asset: AHU-2

AREA:DINING 1 06

Unit Data	
	Actual
MFG	TRANE
Serial Num	
Model Num	5TTA4036A4
Configuration	
Num PreFilter 1	
PreFilter Size 1	
Num PreFilter 2	
PreFilter Size 2	
Num Final Filter 1	
Final Filter Size 1	
Num Final Filter 2	
Final Filter Size 2	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Rated Voltage	
Rated Amperage	
Service Factor	

Test Data		
	Design	Actual
SF CFM	1200	
SF RPM	-	
RA CFM	950	
OA CFM	250	
Relief CFM	-	
RL Voltage	208	
RL Amperage	4.3	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	60	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Hot Gas Reheat P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

AHU/RTU



Diffuser Supply (GRD)

AHU-2/DINING 1 06

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2-1	DINING 1 06	A3	12	400			-
2-2	DINING 1 06	A3	12	400			-
2-3	DINING 1 06	A3	12	400			-
Total				1200	0	0	0%

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: AHU/RTU



Asset: AHU-3

AREA:DINING 1 06

Unit Data	
	Actual
MFG	TRANE
Serial Num	
Model Num	5TTA4060A4
Configuration	
Num PreFilter 1	
PreFilter Size 1	
Num PreFilter 2	
PreFilter Size 2	
Num Final Filter 1	
Final Filter Size 1	
Num Final Filter 2	
Final Filter Size 2	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Rated Voltage	
Rated Amperage	
Service Factor	

Test Data		
	Design	Actual
SF CFM	2000	
SF RPM	-	
RA CFM	1630	
OA CFM	370	
Relief CFM	-	
RL Voltage	208	
RL Amperage	6.0	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	60	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Hot Gas Reheat P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

AHU/RTU



Diffuser Supply (GRD)

AHU-3/DINING 1 06

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3-1	DINING 1 06	A1	12	370			-
3-2	BAR DINING 04	A5	8	225			-
3-3	BAR DINING 04	A5	8	225			-
3-4	BAR DINING 04	A1	12	365			-
3-5	BAR DINING 04	A5	8	225			-
3-6	BAR DINING 04	A5	8	225			-
3-7	BAR DINING 04	A1	8	365			-
Total				2000	0	0	0%

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: AHU/RTU



Asset: AHU-4

AREA:BAR DINING 04

Unit Data	
	Actual
MFG	TRANE
Serial Num	
Model Num	5TTA4060A4
Configuration	
Num PreFilter 1	
PreFilter Size 1	
Num PreFilter 2	
PreFilter Size 2	
Num Final Filter 1	
Final Filter Size 1	
Num Final Filter 2	
Final Filter Size 2	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Rated Voltage	
Rated Amperage	
Service Factor	

Test Data		
	Design	Actual
SF CFM	2000	
SF RPM	-	
RA CFM	1630	
OA CFM	370	
Relief CFM	-	
RL Voltage	208	
RL Amperage	6.0	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	60	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Hot Gas Reheat P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

AHU/RTU



Diffuser Supply (GRD)

AHU-4/BAR DINING 04

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4-1	BAR DINING 04	A5	8	225			-
4-2	BAR DINING 04	A5	8	225			-
4-3	BAR DINING 04	A1	12	440			-
4-4	BAR DINING 04	A5	8	225			-
4-5	BAR DINING 04	A5	8	225			-
4-6	BAR DINING 04	A1	12	440			-
4-7	BAR DINING 04	A5	8	220			-
Total				2000	0	0	0%

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: AHU/RTU



Asset: AHU-5

AREA:BAR DINING 04

Unit Data	
	Actual
MFG	TRANE
Serial Num	
Model Num	5TTA4060A4
Configuration	
Num PreFilter 1	
PreFilter Size 1	
Num PreFilter 2	
PreFilter Size 2	
Num Final Filter 1	
Final Filter Size 1	
Num Final Filter 2	
Final Filter Size 2	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Rated Voltage	
Rated Amperage	
Service Factor	

Test Data		
	Design	Actual
SF CFM	2000	
SF RPM	-	
RA CFM	1630	
OA CFM	370	
Relief CFM	-	
RL Voltage	208	
RL Amperage	6.0	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	60	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Hot Gas Reheat P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

AHU/RTU



Diffuser Supply (GRD)

AHU-5/BAR DINING 04

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
5-1	BAR DINING 04	A5	8	225			-
5-2	BAR DINING 04	A5	8	225			-
5-3	BAR DINING 04	A1	12	370			-
5-4	BAR DINING 04	A1	12	365			-
5-5	BAR DINING 04	A5	8	225			-
5-6	BAR DINING 04	A5	8	225			-
5-7	BAR DINING 04	A1	12	365			-
Total				2000	0	0	0%

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: AHU/RTU



Asset: AHU-6

AREA:BAR DINING 04

Unit Data	
	Actual
MFG	TRANE
Serial Num	
Model Num	5TTA4060A4
Configuration	
Num PreFilter 1	
PreFilter Size 1	
Num PreFilter 2	
PreFilter Size 2	
Num Final Filter 1	
Final Filter Size 1	
Num Final Filter 2	
Final Filter Size 2	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Rated Voltage	
Rated Amperage	
Service Factor	

Test Data		
	Design	Actual
SF CFM	2000	
SF RPM	-	
RA CFM	1630	
OA CFM	370	
Relief CFM	-	
RL Voltage	208	
RL Amperage	6.0	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	60	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Hot Gas Reheat P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

AHU/RTU



Diffuser Supply (GRD)

AHU-6/BAR DINING 04

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
6-1	BAR DINING 04	A1	8	200			-
6-2	BAR DINING 04	A5	8	225			-
6-3	BAR DINING 04	A5	8	225			-
6-4	BAR DINING 04	A1	10	300			-
6-5	BAR DINING 04	A5	8	225			-
6-6	BAR DINING 04	A5	8	225			-
6-7	DINING 2 07	A1	8	200			-
6-8	DINING 2 07	A1	8	150			-
6-9	DINING 2 07	A2	8	250			-
Total				2000	0	0	0%

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: AHU/RTU



Asset: AHU-7

AREA:EXPO DINING 09

Unit Data	
	Actual
MFG	TRANE
Serial Num	
Model Num	5TTA4060A4
Configuration	
Num PreFilter 1	
PreFilter Size 1	
Num PreFilter 2	
PreFilter Size 2	
Num Final Filter 1	
Final Filter Size 1	
Num Final Filter 2	
Final Filter Size 2	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Rated Voltage	
Rated Amperage	
Service Factor	

Test Data		
	Design	Actual
SF CFM	2000	
SF RPM	-	
RA CFM	1595	
OA CFM	405	
Relief CFM	-	
RL Voltage	208	
RL Amperage	6.0	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	60	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Hot Gas Reheat P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	

Notes:

Balance to 2300CFM if unit can achieve. If not balance as close as possible.

Written By: Stephen Tassinaro on 03/27/2026

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

AHU/RTU



Diffuser Supply (GRD)

AHU-7/EXPO DINING 09

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
7-1	EXPO DINING 09	A1	8	250			-
7-2	RR CORRIDOR 11	A6	6	50			-
7-3	RR CORRIDOR 11	A6	6	50			-
7-4	RR CORRIDOR 11	A6	6	50			-
7-5	EXPO DINING 09	A1	8	250			-
7-6	RR CORRIDOR 11	A6	6	50			-
7-7	RR CORRIDOR 11	A6	6	50			-
7-8	RR CORRIDOR 11	A6	6	50			-
7-9	EXPO DINING 09	A1	8	250			-
7-10	EXPO DINING 09	A1	8	250			-
7-11	EXPO DINING 09	A1	8	250			-
7-12	EXPO DINING 09	A1	8	250			-
7-13	EXPO DINING 09	A1	8	250			-
7-14	EXPO DINING 09	A1	8	250			-
Total				2300	0	0	0%

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: AHU/RTU



Asset: AHU-8

AREA:WINE CELLAR 19

Unit Data	
	Actual
MFG	TRANE
Serial Num	
Model Num	5TTA4060A4
Configuration	
Num PreFilter 1	
PreFilter Size 1	
Num PreFilter 2	
PreFilter Size 2	
Num Final Filter 1	
Final Filter Size 1	
Num Final Filter 2	
Final Filter Size 2	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Rated Voltage	
Rated Amperage	
Service Factor	

Test Data		
	Design	Actual
SF CFM	2000	
SF RPM	-	
RA CFM	1595	
OA CFM	405	
Relief CFM	-	
RL Voltage	208	
RL Amperage	6.0	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	60	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Hot Gas Reheat P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

AHU/RTU



Diffuser Supply (GRD)

AHU-8/WINE CELLAR 19

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
8-1	WINE CELLAR 19	A1	6	100			-
8-2	EXPO DINING 09	A1	8	225			-
8-3	EXPO DINING 09	A1	8	225			-
8-4	EXPO DINING 09	A1	8	240			-
8-5	EXPO DINING 09	A1	8	250			-
8-6	EXPO DINING 09	A1	8	240			-
8-7	EXPO DINING 09	A1	8	240			-
8-8	EXPO DINING 09	A1	8	240			-
8-9	EXPO DINING 09	A1	8	240			-
Total				2000	0	0	0%

Diffuser Ret/Exh (GRD)

AHU-8/WINE CELLAR 19

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
R8-1	WINE CELLAR 19	B3	6	90				-
Total				90		0	0	0%

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: AHU/RTU



Asset: AHU-9

AREA:PDR 2 21

Unit Data	
	Actual
MFG	TRANE
Serial Num	
Model Num	TWE090K4AAA
Type	AHU
Configuration	
Num PreFilter 1	
PreFilter Size 1	
Num PreFilter 2	
PreFilter Size 2	
Num Final Filter 1	
Final Filter Size 1	
Num Final Filter 2	
Final Filter Size 2	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Rated Voltage	
Rated Amperage	
Service Factor	

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	Actual
SF CFM	3000	
SF RPM	-	
RA CFM	2450	
OA CFM	550	
Relief CFM	-	
RL Voltage	460	
RL Amperage	3.30	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	60	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Brake Horse Power	1.79	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	1.000	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

AHU/RTU



Diffuser Supply (GRD)

AHU-9/PDR 2 21

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
9-1	PDR 2 21	A1	8	250			-
9-2	PDR 1 20	A1	8	250			-
9-3	PDR 1 20	A1	8	250			-
9-4	PDR 1 20	A1	8	250			-
9-5	PDR 1 20	A1	8	250			-
9-6	PDR 1 20	A1	8	250			-
9-7	PDR 1 20	A1	8	250			-
9-8	PDR 2 21	A1	8	250			-
9-9	PDR 2 21	A1	8	250			-
9-10	PDR 2 21	A1	8	250			-
9-11	PDR 2 21	A1	8	250			-
9-12	PDR 2 21	A1	8	250			-
Total				3000	0	0	0%

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: AHU/RTU



Asset: DOAS-1

AREA:COOKLINE 111

Unit Data	
	Actual
MFG	CAPTIVEAIRE
Serial Num	
Model Num	CAS-HVAC3-E.454-24-30T
Configuration	
Num PreFilter 1	
PreFilter Size 1	
Num PreFilter 2	
PreFilter Size 2	
Num Final Filter 1	
Final Filter Size 1	
Num Final Filter 2	
Final Filter Size 2	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Rated Voltage	
Rated Amperage	
Service Factor	

Test Data		
	Design	Actual
SF CFM	3780	
SF RPM	-	
RA CFM	0	
OA CFM	3780	
Relief CFM	-	
RL Voltage	460	
RL Amperage	-	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	1.500	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Hot Gas Reheat P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	87.6/79.9	
RA Temp (db/wb)	-	
MA Temp (db/wb)	87.6/79.9	
SA Temp (db/wb)	56.6/53.5	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

AHU/RTU



Diffuser Supply (GRD)

DOAS-1/COOKLINE 111

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
D1-1	COOKLINE 111	A4	12	400			-
D1-2	COOKLINE 111	A4	12	400			-
D1-3	COOKLINE 111	A3	6	100			-
D1-4	COOKLINE 111	A3	8	200			-
D1-5	LIQUORE STORAGE 110	A3	6	100			-
D1-6	DRY STORAGE 109	A3	8	200			-
D1-7	DRY STORAGE 109	A3	8	200			-
D1-8	DRY STORAGE 109	A3	8	200			-
D1-9	BEVERAGE 103	A3	8	150			-
D1-10	BEVERAGE 103	A3	8	230			-
D1-11	ICE 108	A3	8	235			-
D1-12	ICE 108	A3	12	400			-
D1-13	BEVERAGE 103	A3	8	150			-
D1-14	DISH 106	A4	12	380			-
D1-15	DISH 106	A3	8	235			-
D1-16	OFFICE 105	A3	8	150			-
D1-17	EMP RR 107	A3	6	50			-
Total				3780	0	0	0%

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: AHU/RTU



Asset: DOAS-2

AREA:LINE 102

Unit Data	
	Actual
MFG	CAPTIVEAIRE
Serial Num	
Model Num	CAS-HVAC3-E.454-24-30T
Configuration	
Num PreFilter 1	
PreFilter Size 1	
Num PreFilter 2	
PreFilter Size 2	
Num Final Filter 1	
Final Filter Size 1	
Num Final Filter 2	
Final Filter Size 2	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Rated Voltage	
Rated Amperage	
Service Factor	

Test Data		
	Design	Actual
SF CFM	3780	
SF RPM	-	
RA CFM	0	
OA CFM	3780	
Relief CFM	-	
RL Voltage	460	
RL Amperage	-	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	1.500	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Hot Gas Reheat P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	87.8/80.0	
RA Temp (db/wb)	-	
MA Temp (db/wb)	87.8/80.0	
SA Temp (db/wb)	53.8/53.7	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

AHU/RTU



Diffuser Supply (GRD)

DOAS-2/LINE 102

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
D2-1	LINE 102	A3	8	215			-
D2-2	LINE 102	A3	8	215			-
D2-3	LINE 102	A4	12	430			-
D2-4	LINE 102	A4	12	430			-
D2-5	LINE 102	A4	12	430			-
D2-6	LINE 102	A4	12	430			-
D2-7	LINE 102	A4	12	430			-
D2-8	BAKERY 101	A3	8	150			-
D2-9	BAKERY 101	A3	8	175			-
D2-10	EXPO KITCHEN 100	A3	8	175			-
D2-11	EXPO KITCHEN 100	A3	8	175			-
D2-12	EXPO KITCHEN 100	A3	8	175			-
D2-13	EXPO KITCHEN 100	A3	8	175			-
D2-14	EXPO KITCHEN 100	A3	8	175			-
Total				3780	0	0	0%

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: AHU/RTU



Asset: DOAS-3

AREA:AHUs

Unit Data	
	Actual
MFG	CAPTIVEAIRE
Serial Num	
Model Num	CAS-HVAC3-E.454-24-30T
Configuration	
Num PreFilter 1	
PreFilter Size 1	
Num PreFilter 2	
PreFilter Size 2	
Num Final Filter 1	
Final Filter Size 1	
Num Final Filter 2	
Final Filter Size 2	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Rated Voltage	
Rated Amperage	
Service Factor	

Test Data		
	Design	Actual
SF CFM	3780	
SF RPM	-	
RA CFM	0	
OA CFM	3780	
Relief CFM	-	
RL Voltage	-	
RL Amperage	-	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Hot Gas Reheat P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: FAN - Exhaust



Asset: EF-1

AREA:RR CORRIDOR 11

Unit Data	
	Actual
MFG	NA
Model Num	NA
Serial Num	
Type	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Voltage (rated)	
Amperage (rated)	
Service Factor	

Test Data		
	Design	Actual
CFM	420	
Motor Frequency	-	
System SetPt	-	
RL Voltage	120	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	
Brake Horse Power	-	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-1/RR CORRIDOR 11

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
EGRD1	RESTROOM	B2	6"	70				-
EGRD2	RESTROOM	B2	6"	70				-
EGRD3	RESTROOM	B2	6"	70				-
EGRD4	RESTROOM	B2	6"	70				-
EGRD5	RESTROOM	B2	6"	70				-
EGRD6	RESTROOM	B2	6"	70				-
Total				420		0	0	0%

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: FAN - Exhaust



Asset: EF-2

AREA:EMP RR 107

Unit Data	
	Actual
MFG	NA
Model Num	NA
Serial Num	
Type	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Voltage (rated)	
Amperage (rated)	
Service Factor	

Test Data		
	Design	Actual
CFM	70	
Motor Frequency	-	
System SetPt	-	
RL Voltage	120	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	
Brake Horse Power	-	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: FAN - Exhaust



Asset: EF-3

AREA:MECH 104

Unit Data	
	Actual
MFG	NA
Model Num	NA
Serial Num	
Type	

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Voltage (rated)	
Amperage (rated)	
Service Factor	

Test Data		
	Design	Actual
CFM	200	
Motor Frequency	-	
System SetPt	-	
RL Voltage	120	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	
Brake Horse Power	-	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: FAN - Exhaust



Asset: DEF-1

AREA:DISH 106

Unit Data	
	Actual
MFG	CAPTIVEAIRE
Model Num	USBI11DD-RM
Serial Num	
Type	KEF

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Voltage (rated)	
Amperage (rated)	
Service Factor	

Test Data		
	Design	Actual
CFM	1000	
Fan RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	6.3	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.500	
Brake Horse Power	-	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: FAN - Exhaust



Asset: KEF-1

AREA:LINE 102 (H-1 AND H-2)

Unit Data	
	Actual
MFG	CAPTIVEAIRE
Model Num	USBI24DD-RM
Serial Num	
Type	KEF

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Voltage (rated)	
Amperage (rated)	
Service Factor	

Test Data		
	Design	Actual
CFM	5800	
Fan RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	460	
RL Amperage	6.9	
Suction ESP	-	
Discharge ESP	-	
Total ESP	2.000	
Brake Horse Power	-	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: FAN - Exhaust



Asset: KEF-2

AREA:COOKLINE 111 (H-3)

Unit Data	
	Actual
MFG	CAPTIVEAIRE
Model Num	USB18DD-RM
Serial Num	
Type	KEF

Motor Data	
	Actual
Motor MFG	
Frame	
Horsepower	
Motor Rpm	
Phase	
Voltage (rated)	
Amperage (rated)	
Service Factor	

Test Data		
	Design	Actual
CFM	2100	
Fan RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	460	
RL Amperage	3.0	
Suction ESP	-	
Discharge ESP	-	
Total ESP	1.500	
Brake Horse Power	-	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: Kitchen Hood Type I



Asset: H-1

AREA:

Unit Data	
	Actual
MFG	CAPTIVEAIRE
Model Num	5430 ND-2
Job / Serial Num	
Type	I
Hood length	14'4"
Hood Width	51"

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO	
Filter Size 1	20"X16"	
Filter Size 2	-	
Filter Qty 1	10	
Filter Qty 2	-	
Filter AK factor size 1	-	
Filters AK factor size 2	-	
Filter Total AK Area	-	
Filter1 FPM	-	
Filter2 FPM	-	
Filter3 FPM	-	
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	
CFM	2800	

Cooking Equipment	
	Actual
Item 1	
Item 2	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: Kitchen Hood Type I



Asset: H-2

AREA:

Unit Data	
	Actual
MFG	CAPTIVEAIRE
Model Num	5430 ND-2
Job / Serial Num	
Type	I
Hood length	12'0"
Hood Width	51"

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO	
Filter Size 1	20"X16"	
Filter Size 2	-	
Filter Qty 1	9	
Filter Qty 2	-	
Filter AK factor size 1	-	
Filters AK factor size 2	-	
Filter Total AK Area	-	
Filter1 FPM	-	
Filter2 FPM	-	
Filter3 FPM	-	
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	
CFM	3000	

Cooking Equipment	
	Actual
Item 1	
Item 2	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: Kitchen Hood Type I



Asset: H-3

AREA:

Unit Data	
	Actual
MFG	CAPTIVEAIRE
Model Num	6024 ND-2
Job / Serial Num	
Type	I
Hood length	10'6"
Hood Width	57"

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO	
Filter Size 1	16"X16"	
Filter Size 2	-	
Filter Qty 1	7	
Filter Qty 2	-	
Filter AK factor size 1	-	
Filters AK factor size 2	-	
Filter Total AK Area	-	
Filter1 FPM	-	
Filter2 FPM	-	
Filter3 FPM	-	
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	
CFM	2100	

Cooking Equipment	
	Actual
Item 1	
Item 2	

National TAB

Project: Del Mar-Nora District (W Palm Beach, FL)

System/Unit: Kitchen Hood Type II



Asset: H-4

AREA:

Unit Data	
	Actual
MFG	CAPTIVEAIRE
Model Num	5424 VHB-G-ND-REM1
Serial Num	
Type	II
Hood length	9'0"
Hood Width	54"

Test Data		
	Design	Actual
Exhaust CFM	1000	