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**Report: TEST**

**Function: Test, Adjust, & Balance**

**Date: 03/27/2026**

**Completed By: National TAB**

# PROJECT

## Shell Shack (Arlington, TX)

4000 Five Points Blvd

Arlington, TX 76018

### Client

NDT Heating and AC

2333 Lancecrest Dr.

Garland, TX 75044

# National TAB

Project: Shell Shack (Arlington, TX)

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# National TAB

Project: Shell Shack (Arlington, TX)

System/Unit: AHU/RTU



Asset: RTU-1

AREA:BAR DINING 104

Unit Data	
	Actual
MFG	DAIKIN
Serial Num	
Model Num	DHG1204LH00227C
Configuration	DOWNFLOW
Num OA Filters 1	
OA Filter Size 1	
Num OA Filters 2	
OA Filter Size 2	
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	4000	
SF RPM (Initial)	-	
SF RPM	-	
RA CFM	3125	
OA CFM	875	
Relief CFM	-	
RL Voltage	460	
RL Amperage	7.2	
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)	-	
OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	1.18	
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:Shell Shack (Arlington, TX)  
**AHU/RTU**



**Diffuser Supply (GRD)**

**RTU-1/BAR DINING 104**

<b>Asset</b>							
<b>Asset Name</b>	<b>Location</b>	<b>Type</b>	<b>Size</b>	<b>DESIGN CFM</b>	<b>CFM(1)</b>	<b>FINAL CFM</b>	<b>% to design</b>
1-1	DINING 102	S4	12	500			-
1-2	DINING 103	S5	8	200			-
1-3	DINING 103	S5	8	200			-
1-4	DINING 103	S5	8	200			-
1-5	BAR DINING 104	S4	12	500			-
1-6	BAR DINING 104	S4	12	450			-
1-7	BAR DINING 104	S4	12	500			-
1-8	BAR DINING 104	S4	12	450			-
1-9	HOST 101	S4	12	500			-
<b>Total</b>				3500	0	0	0%

# National TAB

Project: Shell Shack (Arlington, TX)

System/Unit: AHU/RTU



Asset: RTU-2

AREA:BAR 105

Unit Data	
	Actual
MFG	DAIKIN
Serial Num	
Model Num	DHG1204LH00227C
Configuration	DOWNFLOW
Num OA Filters 1	
OA Filter Size 1	
Num OA Filters 2	
OA Filter Size 2	
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	4000	
SF RPM (Initial)	-	
SF RPM	-	
RA CFM	3125	
OA CFM	875	
Relief CFM	-	
RL Voltage	460	
RL Amperage	7.2	
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)	-	
OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	1.18	
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:Shell Shack (Arlington, TX)  
**AHU/RTU**



**Diffuser Supply (GRD)**

**RTU-2/BAR 105**

<b>Asset</b>							
<b>Asset Name</b>	<b>Location</b>	<b>Type</b>	<b>Size</b>	<b>DESIGN CFM</b>	<b>CFM(1)</b>	<b>FINAL CFM</b>	<b>% to design</b>
2-1	BAR 105	S4	10	250			-
2-2	WOMEN'S RR 107	S3	6	100			-
2-3	MEN'S RR 108	S3	6	100			-
2-4	DINING 102	S4	10	450			-
2-5	DINING 102	S4	10	450			-
2-6	BAR 105	S1	10	250			-
2-7	DINING 102	S4	10	450			-
2-8	DINING 102	S4	10	450			-
2-9	BAR DINING 104	S4	10	500			-
2-10	DINING 102	S4	10	500			-
<b>Total</b>				3500	0	0	0%

# National TAB

Project: Shell Shack (Arlington, TX)

System/Unit: AHU/RTU



Asset: DOAS-1

AREA:PREP AREA 112

Unit Data	
	Actual
MFG	CAPTIVEAIRE
Serial Num	
Model Num	CAS-HVAC3-I.400-20-20T
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	3250	
SF RPM	-	
RA CFM	0	
OA CFM	3250	
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	0.650	
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:Shell Shack (Arlington, TX)  
**AHU/RTU**



**Diffuser Supply (GRD)**

**DOAS-1/PREP AREA 112**

<b>Asset</b>							
<b>Asset Name</b>	<b>Location</b>	<b>Type</b>	<b>Size</b>	<b>DESIGN CFM</b>	<b>CFM(1)</b>	<b>FINAL CFM</b>	<b>% to design</b>
D1-1	PREP AREA 112	S2	10	315			-
D1-2	COOKLINE 113	S2	10	315			-
D1-3	PREP AREA 112	S2	10	315			-
D1-4	PREP AREA 112	S2	10	315			-
D1-5	COOKLINE 113	S2	10	315			-
D1-6	KITCHEN 109	S2	10	315			-
D1-7	KITCHEN 109	S2	10	315			-
D1-8	DISH AREA 114	S2	10	315			-
D1-9	DISH AREA 114	S2	10	315			-
D1-10	OFFICE 115	S3	6	100			-
D1-11	DISH AREA 114	S2	10	315			-
<b>Total</b>				<b>3250</b>	<b>0</b>	<b>0</b>	<b>0%</b>

# National TAB

Project: Shell Shack (Arlington, TX)

## System/Unit: FAN - Exhaust



Asset: EF-1

AREA:

Unit Data	
	Actual
<b>MFG</b>	CAPTIVEAIRE
<b>Model Num</b>	DU85HFA
<b>Serial Num</b>	
<b>Type</b>	KEF

Motor Data	
	Actual
<b>Motor MFG</b>	
<b>Frame</b>	
<b>Horsepower</b>	
<b>Motor Rpm</b>	
<b>Phase</b>	
<b>Voltage (rated)</b>	
<b>Amperage (rated)</b>	
<b>Service Factor</b>	

Test Data		
	Design	Actual
<b>CFM</b>	1800	
<b>Motor Frequency</b>	-	
<b>System SetPt</b>	-	
<b>RL Voltage</b>	115	
<b>RL Amperage</b>	11.6	
<b>Suction ESP</b>	-	
<b>Discharge ESP</b>	-	
<b>Total ESP</b>	1.000	
<b>Brake Horse Power</b>	-	

# National TAB

Project: Shell Shack (Arlington, TX)  
System/Unit: FAN - Exhaust



Asset: EF-2

AREA:

Unit Data	
	Actual
MFG	CAPTIVEAIRE
Model Num	DU85HFA
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	2025	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	11.6	
Suction ESP	-	
Discharge ESP	-	
Total ESP	1.000	
Brake Horse Power	-	

# National TAB

Project: Shell Shack (Arlington, TX)  
System/Unit: FAN - Exhaust



Asset: EF-3

AREA:HOOD-3

Unit Data	
	Actual
MFG	CAPTIVEAIRE
Model Num	DU33HFA
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	525	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	4.3	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.500	
Brake Horse Power	-	

# National TAB

Project: Shell Shack (Arlington, TX)  
System/Unit: FAN - Exhaust



Asset: EF-4

AREA:RR

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	300	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.375	
Brake Horse Power	-	

# National TAB

Project: Shell Shack (Arlington, TX)

## FAN - Exhaust



### Diffuser Ret/Exh (GRD)

**EF-4/RR**

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
E4-1	MEN'S RR 108	X1	6	75				-
E4-2	MEN'S RR 108	X1	6	75				-
E4-3	WOMEN'S RR 107	X1	6	75				-
E4-4	WOMEN'S RR 107	X1	6	75				-
Total				300		0	0	0%

# National TAB

Project: Shell Shack (Arlington, TX)

## System/Unit: Kitchen Hood Type I



Asset: HOOD-1

AREA:COOKLINE 113

Unit Data	
	Actual
MFG	CAPTIVEAIRE
Model Num	6630 ND-2
Job / Serial Num	
Type	I
Hood length	9'0"
Hood Width	63"

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO	
Filter Size 1	20"X16"	
Filter Size 2	-	
Filter Qty 1	6	
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	1800	

Cooking Equipment	
	Actual
Item 1	
Item 2	

# National TAB

Project: Shell Shack (Arlington, TX)

## System/Unit: Kitchen Hood Type I



Asset: HOOD-2

AREA:

Unit Data	
	Actual
MFG	CAPTIVEAIRE
Model Num	6030 ND-2
Job / Serial Num	
Type	I
Hood length	9'0"
Hood Width	57"

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO	
Filter Size 1	20"16"	
Filter Size 2	-	
Filter Qty 1	6	
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	2025	

Cooking Equipment	
	Actual
Item 1	
Item 2	

# National TAB

Project: Shell Shack (Arlington, TX)

## System/Unit: Kitchen Hood Type II



Asset: HOOD-3

AREA:

Unit Data	
	Actual
MFG	CAPTIVEAIRE
Model Num	4230 VHB-G
Serial Num	
Type	II
Hood length	3'6"
Hood Width	42"

Test Data		
	Design	Actual
Exhaust CFM	525	