

National TAB

Project: 11-07 WALGREENS #3507 - PORT NECHES, TX

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU1

AREA:SALES

Unit Data			Test Data		
	Design	Actual		Design	Actual
MFG	YORK	YORK	SF CFM	5250	5158
Serial Num	-	N2G2749180	SF RPM	912	834
Model Num	ZT180N30R4B5GCB2C1	ZT180N30R4B5GCB2C1	RA CFM	4525	4452
Type	RTU	RTU	OA CFM	725	706
Configuration	VERTICAL	VERTICAL DISCHARGE	RL Voltage	-	488/488/488
Num OA Filters 1	-	6	RL Amperage	-	7.9/8.1/8.4
OA Filter Size 1	-	16x28x1	SF Rotation	-	CCW
Num Final Filter 1	-	MESH	RA Damper Position	-	74%
Final Filter Size 1	-	MESH	Min OA Damper Position	-	26%

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	213T
Horsepower	7.50	7.5
Motor Rpm	3	1770
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	9.7

Drive Data		
	Design	Actual
Motor Sheave Size	-	1VP60
Motor Bore Size	-	1 3/8"
Motor Sheave SetPt	-	5.0 TURNS OPEN
Fan Sheave Size	-	BK100
Fan Sheave Bore	-	1 3/16"
Belt CL Distance	-	29"
Num of Belts	-	1
Belt Size	-	BX78
Belt Alignment	-	CORRECT

Min OA Damper Type	-	PARALLEL BLADE
OA Enthalpy Setpt	-	24 BTU/LB

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.55"
Fan Suction SP	-	-0.83"
Fan Discharge SP	-	0.53"
Total ESP	-	1.08"
Fan Total SP	-	1.36"

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

Completed By: Wesley John

Notes:

National TAB

Project: 11-07 WALGREENS #3507 - PORT NECHES, TX

AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

RTU1/SALES

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	SALES			128	1.0	195	-	153	119.5
SGRD2	SALES			128	1.0	121	-	137	107.0
SGRD3	SALES			128	1.0	91	-	149	116.4
SGRD4	SALES			128	1.0	145	-	152	118.8
SGRD5	SALES			128	1.0	114	-	154	120.3
SGRD6	SALES			128	1.0	164	-	148	115.6
SGRD7	SALES			843	1.0	756	-	806	95.6
SGRD8	SALES			843	1.0	820	-	779	92.4
SGRD9	SALES			843	1.0	673	-	742	88.0
SGRD10	SALES			843	1.0	674	-	749	88.8
SGRD11	PHOTO			151	1.0	201	-	166	109.9
SGRD12	CORRIDOR			151	1.0	174	-	163	107.9
SGRD13	OFFICE			290	1.0	291	-	306	105.5
SGRD14	PHOTO			518	1.0	810	-	554	106.9

Completed By: Wesley John on

National TAB

Project: 11-07 WALGREENS #3507 - PORT NECHES, TX

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU2

AREA:SALES

Unit Data			Test Data		
	Design	Actual		Design	Actual
MFG	YORK	YORK	SF CFM	3500	3154
Serial Num	-	N2H2891801	SF RPM	1018	990
Model Num	ZT120N18R4B5GCL2R1	ZT120N18R4B5GCL2R1	RA CFM	2850	2556
Type	RTU	RTU	OA CFM	650	598
Configuration	VERTICAL	VERTICAL DISCHARGE	RL Voltage	-	489/491/488
Num OA Filters 1	-	1	RL Amperage	-	4.1/4.1/4.0
OA Filter Size 1	-	22x30x1	SF Rotation	-	CCW
Num Final Filter 1	-	MESH	RA Damper Position	-	78%
Final Filter Size 1	-	MESH	Min OA Damper Position	-	22%

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	56HZ
Horsepower	3	3
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	4.1

Drive Data		
	Design	Actual
Motor Sheave Size	-	1VP50
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	2.5 TURNS OPEN
Fan Sheave Size	-	AK69
Fan Sheave Bore	-	1"
Belt CL Distance	-	19"
Num of Belts	-	1
Belt Size	-	A54
Belt Alignment	-	CORRECT

Min OA Damper Type	-	PARALLEL BLADE
OA Enthalpy Setpt	-	24 BTU/LB

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.49"
Fan Suction SP	-	-0.72"
Fan Discharge SP	-	0.47"
Total ESP	0.6"	0.96"
Fan Total SP	-	1.19"

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

Completed By: Wesley John

Notes:

National TAB

Project: 11-07 WALGREENS #3507 - PORT NECHES, TX

AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

RTU2/SALES

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	SALES			792	1.0	745	-	764	96.5
SGRD2	SALES			792	1.0	586	-	620	78.3
SGRD3	SALES			792	1.0	819	-	779	98.4
SGRD4	SALES			792	1.0	623	-	641	80.9
SGRD5	RR HALLWAY			174	1.0	202	-	182	104.6
SGRD6	LOUNGE			158	1.0	195	-	168	106.3

Completed By: Brianna Biggs on

National TAB

Project: 11-07 WALGREENS #3507 - PORT NECHES, TX

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU3

AREA:PHARMACY

Unit Data			Test Data		
	Design	Actual		Design	Actual
MFG	YORK	YORK	SF CFM	1750	1829
Serial Num	-	N2K2935593	SF RPM	1051	768
Model Num	ZJ061N08D4B5GCB2R3	ZJ061N08D4B5GCB2R3	RA CFM	1650	1724
Type	RTU	RTU	OA CFM	100	105
Configuration	VERTICAL	VERTICAL DISCHARGE	RL Voltage	-	489/489/489
Num OA Filters 1	-	1	RL Amperage	-	3.6/3.5/3.3
OA Filter Size 1	-	22x30x1	SF Rotation	-	CCW
Num Final Filter 1	-	MESH	RA Damper Position	-	86%
Final Filter Size 1	-	MESH	Min OA Damper Position	-	14%

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56HZ
Horsepower	2	2
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	3.4

Drive Data		
	Design	Actual
Motor Sheave Size	-	1VP40
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	2.5 TURNS OPEN*
Fan Sheave Size	-	AK74
Fan Sheave Bore	-	1"
Belt CL Distance	-	17"
Num of Belts	-	1
Belt Size	-	A51
Belt Alignment	-	CORRECT

Min OA Damper Type	-	PARALLEL BLADE
OA Enthalpy Setpt	-	24 BTU/LB

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.43"
Fan Suction SP	-	-0.67"
Fan Discharge SP	-	0.47"
Total ESP	1.3"	0.90"
Fan Total SP	-	1.14"

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

Completed By: Wesley John

Notes:

National TAB

Project:11-07 WALGREENS #3507 - PORT NECHES, TX

AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

RTU3/PHARMACY

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	SEATING			226	1.0	447	308	247	109.3
SGRD2	PHARMACY			331	1.0	568	396	358	108.2
SGRD3	PHARMACY			331	1.0	673	461	352	106.3
SGRD4	PHARMACY			331	1.0	556	374	349	105.4
SGRD5	WAITING			331	1.0	82	60	309	93.4
SGRD6	ELECTRICAL			100	1.0	292	204	108	108.0
SGRD7	CONSULTATION			100	1.0	80	51	106	106.0

Completed By: Wesley John on

National TAB

Project: 11-07 WALGREENS #3507 - PORT NECHES, TX

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF1

AREA:STOCK ROOM

Unit Data		
	Design	Actual
MFG	ACME	NA
Model Num	LQ30J8	NA
Serial Num	-	NA
Type	CEILING	NA
Configuration	VERTICAL	NA

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	1	NA
Motor Rpm	-	NA
Phase	3	NA
Voltage (rated)	480	NA
Amperage (rated)	-	NA
Service Factor	-	NA

Drive Data		
	Design	Actual
Motor Sheave Size	-	NA
Motor Bore Size	-	NA
Motor Sheave SetPt	-	NA
Fan Sheave Size	-	NA
Fan Sheave Bore	-	NA
Belt CL Distance	-	NA
Num of Belts	-	NA
Belt Size	-	NA

Test Data		
	Design	Actual
CFM	6350	0
Fan RPM	860	NA
Fan Rotation	-	NA
Motor RPM	-	NA
RL Voltage	-	NA
RL Amperage	-	NA
Suction ESP	-	NA
Discharge ESP	-	NA
Total ESP	0.500"	NA

Completed By: Wesley John

Notes:

National TAB

Project: 11-07 WALGREENS #3507 - PORT NECHES, TX

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF2

AREA: LOUNGE

Unit Data		
	Design	Actual
MFG	ACME	GREENHECK
Model Num	V-300	SP-A250-QD
Serial Num	-	19116054
Type	CEILING	CENTRIFUGAL
Configuration	VERTICAL	CEILING

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	165W	1/30
Motor Rpm	-	1000
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	0.56
Service Factor	-	NL

Drive Data		
	Design	Actual
Motor Sheave Size	-	DIRECT DRIVE
Motor Bore Size	-	DIRECT DRIVE
Motor Sheave SetPt	-	DIRECT DRIVE
Fan Sheave Size	-	DIRECT DRIVE
Fan Sheave Bore	-	DIRECT DRIVE
Belt CL Distance	-	DIRECT DRIVE
Num of Belts	-	DIRECT DRIVE
Belt Size	-	DIRECT DRIVE

Test Data		
	Design	Actual
CFM	300	160
Fan RPM	1625	1000
Fan Rotation	-	CW
Motor RPM	-	1000
RL Voltage	-	121
RL Amperage	-	0.47
Suction ESP	-	NA
Discharge ESP	-	NA
Total ESP	0.125"	NA

Completed By: Wesley John

Notes:

National TAB

Project: 11-07 WALGREENS #3507 - PORT NECHES, TX

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF3

AREA:MENS RR

Unit Data		
	Design	Actual
MFG	ACME	GREENHECK
Model Num	V-300	SP-A250-QD
Serial Num	-	19116053
Type	CEILING	CENTRIFUGAL
Configuration	VERTICAL	CEILING

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	165W	1/30
Motor Rpm	-	1000
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	0.56
Service Factor	-	NL

Drive Data		
	Design	Actual
Motor Sheave Size	-	DIRECT DRIVE
Motor Bore Size	-	DIRECT DRIVE
Motor Sheave SetPt	-	DIRECT DRIVE
Fan Sheave Size	-	DIRECT DRIVE
Fan Sheave Bore	-	DIRECT DRIVE
Belt CL Distance	-	DIRECT DRIVE
Num of Belts	-	DIRECT DRIVE
Belt Size	-	DIRECT DRIVE

Test Data		
	Design	Actual
CFM	200	195
Fan RPM	1625	1000
Fan Rotation	-	CW
Motor RPM	-	1000
RL Voltage	-	121
RL Amperage	-	0.43
Suction ESP	-	NA
Discharge ESP	-	NA
Total ESP	0.375"	NA

Completed By: Wesley John

Notes:

National TAB

Project: 11-07 WALGREENS #3507 - PORT NECHES, TX

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF4

AREA:WOMENS RR

Unit Data		
	Design	Actual
MFG	ACME	GREENHECK
Model Num	V-300	SP-A250-QD
Serial Num	-	19116051
Type	CEILING	CENTRIFUGAL
Configuration	VERTICAL	CEILING

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	165W	1/30
Motor Rpm	-	1000
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	0.56
Service Factor	-	NL

Drive Data		
	Design	Actual
Motor Sheave Size	-	DIRECT DRIVE
Motor Bore Size	-	DIRECT DRIVE
Motor Sheave SetPt	-	DIRECT DRIVE
Fan Sheave Size	-	DIRECT DRIVE
Fan Sheave Bore	-	DIRECT DRIVE
Belt CL Distance	-	DIRECT DRIVE
Num of Belts	-	DIRECT DRIVE
Belt Size	-	DIRECT DRIVE

Test Data		
	Design	Actual
CFM	200	185
Fan RPM	1625	1000
Fan Rotation	-	CW
Motor RPM	-	1000
RL Voltage	-	121
RL Amperage	-	0.42
Suction ESP	-	NA
Discharge ESP	-	NA
Total ESP	0.375"	NA

Completed By: Wesley John

Notes:

National TAB

Project: 11-07 WALGREENS #3507 - PORT NECHES, TX

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF5

AREA:OFFICE

Unit Data		
	Design	Actual
MFG	ACME	NA
Model Num	PRN80-3	NA
Serial Num	-	NA
Type	CEILING	NA
Configuration	VERTICAL	NA

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	1/12	NA
Motor Rpm	-	NA
Phase	1	NA
Voltage (rated)	120	NA
Amperage (rated)	-	NA
Service Factor	-	NA

Drive Data		
	Design	Actual
Motor Sheave Size	-	NA
Motor Bore Size	-	NA
Motor Sheave SetPt	-	NA
Fan Sheave Size	-	NA
Fan Sheave Bore	-	NA
Belt CL Distance	-	NA
Num of Belts	-	NA
Belt Size	-	NA

Test Data		
	Design	Actual
CFM	300	0
Fan RPM	1300	NA
Fan Rotation	-	NA
Motor RPM	-	NA
RL Voltage	-	NA
RL Amperage	-	NA
Suction ESP	-	NA
Discharge ESP	-	NA
Total ESP	0.125"	NA

Completed By: Wesley John

Notes: NO EF-5 PRESENT IN OFFICE.

National TAB

Project: 11-07 WALGREENS #3507 - PORT NECHES, TX

System/Unit: FAN - Supply



Comfort. Under control.

Asset: SF1

AREA:STOCK ROOM

Unit Data		
	Design	Actual
MFG	ACME	NA
Model Num	LQ30K8	NA
Serial Num	-	NA
Type	-	NA
Configuration	-	NA

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	1.5	NA
Motor Rpm	-	NA
Phase	3	NA
Voltage (rated)	480	NA
Amperage (rated)	-	NA
Service Factor	-	NA

Drive Data		
	Design	Actual
Motor Sheave Size	-	NA
Motor Bore Size	-	NA
Fan Sheave Size	-	NA
Fan Sheave Bore	-	NA
Belt CL Distance	-	NA
Num of Belts	-	NA
Belt Size	-	NA
Belt Alignment Verified	-	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	6350	0
SF RPM	860	NA
Motor RPM	-	NA
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	-	NA
Fan Discharge SP	-	NA

General		
	Design	Actual
Fan Rotation Correct	-	NA

Completed By: Wesley John

Notes: