

National TAB

Project: 11-07 WALGREENS #3848 - DEER PARK, 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	6125	5825
Serial Num	-	N2G2764907	SF RPM	-	1020
Model Num	ZT210N30R4B5GCB2C1	ZT210N30R4B5GCB2C1	RA CFM	-	5122
Type	RTU	RTU	OA CFM	688	703
Configuration	VERTICAL	VERTICAL DISCHARGE	RL Voltage	-	481/480/483
Num OA Filters 1	-	6	RL Amperage	-	10.2/10.0/10.2
OA Filter Size 1	-	16x28x2	SF Rotation	-	CCW
Num Final Filter 1	-	4	RA Damper Position	-	77%
Final Filter Size 1	-	16x20x2	Min OA Damper Position	-	23%
Num Final Filter 2	-	4	Min OA Damper Type	-	PARALLEL BLADE
Final Filter Size 2	-	16x25x2	OA Enthalpy Setpt	-	24 BTU/LB

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	215T
Horsepower	11.50	10
Motor Rpm	-	1770
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	12.5

Drive Data		
	Design	Actual
Motor Sheave Size	-	1VP60
Motor Bore Size	-	1 3/8"
Motor Sheave SetPt	-	5.0 TURNS OPEN
Fan Sheave Size	-	BK90
Fan Sheave Bore	-	1 3/16"
Belt CL Distance	-	28"
Num of Belts	-	1
Belt Size	-	B75
Belt Alignment	-	CORRECT

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.78"
Fan Suction SP	-	-1.05"
Fan Discharge SP	-	0.58"
Total ESP	2.0"	1.36"
Fan Total SP	-	1.63"

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

Completed By: Wesley John

Notes:

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Project: 11-07 WALGREENS #3848 - DEER PARK, 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			170	1.0	353	335	181	106.5
SGRD2	SALES			170	1.0	175	161	190	111.8
SGRD3	SALES			170	1.0	197	189	192	112.9
SGRD4	SALES			170	1.0	325	305	194	114.1
SGRD5	SALES			170	1.0	143	133	159	93.5
SGRD6	SALES			170	1.0	196	183	190	111.8
SGRD7	SALES			734	1.0	763	720	734	100.0
SGRD8	SALES			734	1.0	741	708	724	98.6
SGRD9	SALES			734	1.0	736	694	754	102.7
SGRD10	SALES			734	1.0	506	482	729	99.3
SGRD11	PHOTO			184	1.0	383	360	197	107.1
SGRD12	ELECTRIC AL			307	1.0	370	353	324	105.5
SGRD13	HALLWAY			302	1.0	652	623	327	108.3
SGRD14	PHOTO			594	1.0	453	434	558	93.9
SGRD15	OFFICE			345	1.0	252	237	372	107.8

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Project: 11-07 WALGREENS #3848 - DEER PARK, 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	3602
Serial Num	-	N2H2891799	SF RPM	1018	969
Model Num	ZT120N18R4B5GCL2R1	ZT120N18R4B5GCL2R1	RA CFM	2850	2964
Type	RTU	RTU	OA CFM	650	638
Configuration	VERTICAL	VERTICAL DISCHARGE	RL Voltage	-	490/490/489
Num OA Filters 1	-	1	RL Amperage	-	4.1/4.0/4.1
OA Filter Size 1	-	22x30x1	SF Rotation	-	CCW
Num Final Filter 1	-	4	RA Damper Position	-	78%
Final Filter Size 1	-	20x24x2	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	-	1VM50
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	3.0 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	-	-0.55"
Fan Suction SP	-	-0.76"
Fan Discharge SP	-	0.48"
Total ESP	0.6"	1.03"
Fan Total SP	-	1.24"

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

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Notes:

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Project: 11-07 WALGREENS #3848 - DEER PARK, 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			512	1.0	379	404	482	94.1
SGRD2	SALES			512	1.0	369	400	498	97.3
SGRD3	SALES			512	1.0	355	380	468	91.4
SGRD4	SALES			512	1.0	472	511	578	112.9
SGRD5	SALES			512	1.0	458	487	539	105.3
SGRD6	SALES			512	1.0	495	531	607	118.6
SGRD7	LOUNGE			162	1.0	151	159	154	95.1
SGRD8	RR HALLWAY			215	1.0	192	205	221	102.8
SGRD9	VALUABLE S			51	1.0	89	92	55	107.8

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Project: 11-07 WALGREENS #3848 - DEER PARK, 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	1788
Serial Num	-	N2K2935594	SF RPM	1051	689
Model Num	ZJ061N08D4B5GCB2R3	ZJ061N08D4B5GCB2R3	RA CFM	1750	1788
Type	RTU	RTU	OA CFM	0	0
Configuration	VERTICAL	VERTICAL DISCHARGE	RL Voltage	-	489/490/490
Num OA Filters 1	-	1	RL Amperage	-	3.0/2.9/2.9
OA Filter Size 1	-	22x30x1	SF Rotation	-	CCW
Num Final Filter 1	-	4	RA Damper Position	-	100%
Final Filter Size 1	-	16x24x2	Min OA Damper Position	-	CLOSED

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	-	5.0 TURNS OPEN
Fan Sheave Size	-	AK69
Fan Sheave Bore	-	1"
Belt CL Distance	-	17 1/4"
Num of Belts	-	1
Belt Size	-	A49
Belt Alignment	-	CORRECT

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

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.53"
Fan Suction SP	-	-0.79"
Fan Discharge SP	-	0.52"
Total ESP	1.3"	1.05"
Fan Total SP	-	1.31"

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

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Notes:

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Project: 11-07 WALGREENS #3848 - DEER PARK, 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	WAITING			165	1.0	432	-	167	101.2
SGRD2	PHARMACY			257	1.0	404	-	274	106.6
SGRD3	PHARMACY			257	1.0	427	-	260	101.2
SGRD4	PHARMACY			257	1.0	629	-	265	103.1
SGRD5	PHARMACY			257	1.0	285	-	266	103.5
SGRD6	TECH			557	1.0	404	-	556	99.8

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Project: 11-07 WALGREENS #3848 - DEER PARK, TX

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU4

AREA:STOCKROOM

Unit Data		
	Design	Actual
MFG	YORK	YORK
Serial Num	-	N2F2554983
Model Num	ZJ037N08D4B5BCB2R3	ZJ037N08D4B5BCB2R3
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL DISCHARGE
Num OA Filters 1	-	1
OA Filter Size 1	-	22x30x1
Num Final Filter 1	-	4
Final Filter Size 1	-	16x24x2

Test Data		
	Design	Actual
SF CFM	1050	1038
SF RPM	960	804
RA CFM	950	932
OA CFM	100	106
RL Voltage	-	481/484/482
RL Amperage	-	2.2/2.0/2.2
SF Rotation	-	CCW
RA Damper Position	-	86%
Min OA Damper Position	-	14%
Min OA Damper Type	-	PARALLEL BLADE
OA Enthalpy Setpt	-	24 BTU/LB

Motor Data		
	Design	Actual
Motor MFG	-	CENTURY
Frame	-	56H
Horsepower	1.50	1.5
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	2.5

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.34"
Fan Suction SP	-	-0.55"
Fan Discharge SP	-	0.42"
Total ESP	1.2"	0.76"
Fan Total SP	-	0.97"

Drive Data		
	Design	Actual
Motor Sheave Size	-	1VL44
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	5.0 TURNS OPEN
Fan Sheave Size	-	AK69
Fan Sheave Bore	-	1"
Belt CL Distance	-	16 1/2"
Num of Belts	-	1
Belt Size	-	A47
Belt Alignment	-	CORRECT

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

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Notes:

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Project: 11-07 WALGREENS #3848 - DEER PARK, TX

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF1

AREA: LOUNGE

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	SP-150	SP-150
Serial Num	-	NA
Type	CEILING	CENTRIFUGAL
Configuration	VERTICAL	CEILING

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	120W	NL
Motor Rpm	-	NL
Phase	1	1
Voltage (rated)	120	120
Amperage (rated)	-	NL
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	300	286
Fan RPM	1000	DIRECT DRIVE
Fan Rotation	-	CW
Motor RPM	-	DIRECT DRIVE
System SetPt	-	SINGLE SPEED
RL Voltage	-	121
RL Amperage	-	0.42
Total ESP	0.375"	NA
Fan Inlet SP	-	NA
Fan Discharge SP	-	NA

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Notes:

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Project: 11-07 WALGREENS #3848 - DEER PARK, TX

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF2

AREA:MENS RR

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	SP-150	SP-150
Serial Num	-	NA
Type	CEILING	CENTRIFUGAL
Configuration	VERTICAL	CEILING

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	120W	NL
Motor Rpm	-	NL
Phase	1	1
Voltage (rated)	120	120
Amperage (rated)	-	NL
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	240	258
Fan RPM	1000	DIRECT DRIVE
Fan Rotation	-	CW
Motor RPM	-	DIRECT DRIVE
System SetPt	-	SINGLE SPEED
RL Voltage	-	121
RL Amperage	-	0.42
Total ESP	0.375"	NA
Fan Inlet SP	-	NA
Fan Discharge SP	-	NA

Completed By: Wesley John

Notes:

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Project: 11-07 WALGREENS #3848 - DEER PARK, TX

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF3

AREA:WOMENS RR

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	SP-150	SP-150
Serial Num	-	NA
Type	CEILING	CENTRIFUGAL
Configuration	VERTICAL	CEILING

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

Test Data		
	Design	Actual
CFM	240	251
Fan RPM	1000	DIRECT DRIVE
Fan Rotation	-	CW
Motor RPM	-	DIRECT DRIVE
System SetPt	-	SINGLE SPEED
RL Voltage	-	121
RL Amperage	-	0.43
Total ESP	0.375'	NA
Fan Inlet SP	-	NA
Fan Discharge SP	-	NA

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Notes:

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Project: 11-07 WALGREENS #3848 - DEER PARK, TX

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF4

AREA:OFFICE/PHOTO

Unit Data		
	Design	Actual
MFG	GREENHECK	PENN BARRY
Model Num	SP-150	L253864
Serial Num	-	B21AX83124
Type	CEILING	CENTRIFUGAL
Configuration	VERTICAL	DOWNBLAST

Motor Data		
	Design	Actual
Motor MFG	-	GENTEQ
Frame	-	NL
Horsepower	120W	0.2
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	3.0
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	300	318
Fan RPM	1000	DIRECT DRIVE
Fan Rotation	-	CCW
Motor RPM	-	DIRECT DRIVE
System SetPt	-	MEDIUM
RL Voltage	-	122
RL Amperage	-	2.1
Total ESP	0.375"	0.24"
Fan Inlet SP	-	-0.24"
Fan Discharge SP	-	ATM

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Project: 11-07 WALGREENS #3848 - DEER PARK, TX

FAN - Exhaust



Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF4/OFFICE/PHOTO

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	OFFICE			86	1.0	167	142	93	108.1
EGRD2	PHOTO			214	1.0	205	184	225	105.1

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