National TAB

Project: Legent Hospital (Tomball, TX)

System/Unit: AHU/RTU

Comfort. Under control.

Asset: RTU-2-2 AREA:201

Unit Data		
	Design	**Actual**
MFG	TEMTROL	TEMTROL
Serial Num	-	N0021998-001
Model Num	CUSTOM	ITF-RDH9
Configuration	HORIZONTAL	HORIZONTAL DISCHARGE
Num OA Filters 1	-	N/A
OA Filter Size 1	-	N/A
Num PreFilter 1	-	4
PreFilter Size 1	-	20x20x2

Motor Data		
	Design	**Actual**
Motor MFG	-	TOSHIBA
Frame	-	182T
Horsepower	-	3
Motor Rpm	-	1760
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	4.0
Service Factor	-	1.15

Drive Data		
	Design	**Actual**

Test Data		
	Design	**Actual**
SF CFM	4085	4100
SF RPM	3862	1995
RA CFM	2605	2641
OA CFM	1480	1459
RL Voltage	-	489/490/491
RL Amperage	-	3.5/3.4/3.5
OA Damper Position	-	72%
Brake Horse Power	3.50	2.60

Performance Data		
	Design	**Actual**
MA Plenum SP	-	0.56"
Fan Suction SP	-	1.23"
Fan Discharge SP	-	1.19"
Total ESP	3.0	1.75"
Fan Total SP	-	2.42"

Completed By: Wesley John

Notes:

National TAB

Project:Legent Hospital (Tomball, TX)

AHU/RTU

Comfort. Under control.

VAV - Single Duct

RTU-2-2/201

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV-2-12	NAILOR	D30RE	VAV	10	685	689	500	504	500		0.938
VAV-2-13	NAILOR	D30RE	VAV	10	910	904	220	227	550		0.820
VAV-2-14	NAILOR	D30RE	VAV	10	835	831	735	730	735		1.167
VAV-2-15	NAILOR	D30RE	VAV	6	320	317	250	256	250		0.538
VAV-2-16	NAILOR	D30RE	VAV	6	210	212	210	212	210		1.066
VAV-2-17	NAILOR	D30RE	VAV	8	405	409	250	254	250		1.023
VAV-2-18	NAILOR	D30RE	VAV	10	730	738	420	417	420		1.017

Diffuser Ret/Exh (GRD)

RTU-2-2/201

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
R22-1	D		310	1.0	411	-	302	97.4
R22-2	D		65	1.0	144	-	69	106.2
R22-3	D		105	1.0	200	-	114	108.6
R22-4	D		100	1.0	93	-	107	107.0
R22-5	D		65	1.0	106	-	67	103.1
R22-6	D		315	1.0	187	-	342	108.6
R22-7	D		65	1.0	104	-	68	104.6
R22-8	D		65	1.0	124	-	67	103.1
R22-9	D		260	1.0	296	-	281	108.1
R22-10	D		65	1.0	90	-	70	107.7
R22-11	D		65	1.0	113	-	66	101.5
R22-12	D		65	1.0	84	-	61	93.8
R22-13	D		65	1.0	92	-	71	109.2
R22-14	D		490	1.0	222	-	491	100.2
R22-15	D		485	1.0	261	-	509	104.9
R22-16	D		245	1.0	403	-	261	106.5
R22-17	D		240	1.0	301	-	250	104.2

Diffuser Supply (GRD)

VAV-2-12/217

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
V2-12-1	239	C	6	35	34	36	102.9
V2-12-2	234	C	6	65	70	71	109.2
V2-12-3	233	C	8	125	129	119	95.2
V2-12-4	232	C	6	130	73	124	95.4
V2-12-7	229	C	10	260	214	269	103.5
V2-12-8	231	C	6	35	73	33	94.3
V2-12-9	217	C	6	35	59	37	105.7

VAV-2-13/218

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
V2-13-1	218	C	10	225	198	220	97.8
V2-13-2	218	C	10	225	196	217	96.4
V2-13-2	218	C	10	230	162	237	103.0
V2-13-4	218	C	10	230	168	230	100.0

VAV-2-14/214

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
V2-14-1	215	C	6	95	97	90	94.7
V2-14-2	215	C	6	95	105	99	104.2
V2-14-3	215	C	6	95	115	92	96.8
V2-14-4	215	C	6	95	101	96	101.1
V2-14-5	214	C	6	95	127	90	94.7
V2-14-6	215	C	6	95	127	89	93.7
V2-14-7	215	C	6	95	115	97	102.1
V2-14-8	215	C	6	95	108	98	103.2
V2-14-9	215	C	6	75	96	80	106.7

VAV-2-15/213

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
V2-15-1	213	C	6	50	32	53	106.0
V2-15-2	213	C	8	135	61	130	96.3
V2-15-3	213	C	8	135	57	134	99.3

VAV-2-16/212

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
V2-16-1	212	C	10	210	225	212	101.0

VAV-2-17/210

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
V2-17-1	208	C	6	55	34	58	105.5
V2-17-2	HALL	C	8	125	153	132	105.6
V2-17-2	210	C	10	225	217	219	97.3

VAV-2-18/201

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
V2-18-1	207	C	8	170	138	173	101.8
V2-18-2	201	C	10	245	278	242	98.8
V2-18-2	200	C	10	240	263	249	103.8
V2-18-4	211	C	6	75	56	74	98.7

Completed By: Wesley John on

Circuit Setter

CHW CS/

Asset						
Asset Name	**Size**	**Type**	**Design GPM**	**Delta P**	**Final GPM**	**% to Design**
CS-1	2"	CIRCUIT SETTER	39.3	12.80'	39.6	100.8

National TAB

Project: Legent Hospital (Tomball, TX)

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EF-2-1 AREA:238

Unit Data		
	Design	**Actual**
MFG	NA	PENN BARRY
Model Num	NA	FX16Q2GP
Serial Num	-	H22YZ41206
Type	CRE UPBLAST	UPBLAST

Test Data		
	Design	**Actual**
CFM	1910	1933
RL Voltage	-	121
RL Amperage	-	8.1
Total ESP	1.0	0.78

Motor Data		
	Design	**Actual**
Motor MFG	-	MCMILLAN
Frame	-	NL
Horsepower	0.75	649 W
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	230	120
Amperage (rated)	-	11.2
Service Factor	-	NL

Completed By: Wesley John

Notes:

National TAB

Project:Legent Hospital (Tomball, TX)

FAN - Exhaust

Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF-2-1/238

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
E2-1-1	E	6	85	1.0	74	-	78	91.8
E2-1-2	E	6	90	1.0	91	-	91	101.1
E2-1-2	E	6	55	1.0	83	-	51	92.7
E2-1-4	E	12	430	1.0	319	-	409	95.1
E2-1-5	E	6	90	1.0	82	-	97	107.8
E2-1-6	E	6	100	1.0	56	-	94	94.0
E2-1-7	E	12	430	1.0	389	-	471	109.5
E2-1-8	E	10	315	1.0	333	-	345	109.5
E2-1-9	E	10	315	1.0	479	-	297	94.3

Completed By: Michael Gabbert on

National TAB

Project: Legent Hospital (Tomball, TX)

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EF-2-2 AREA:231

Unit Data		
	Design	**Actual**
MFG	NA	PENN BARRY
Model Num	NA	DX13RGP
Serial Num	-	L22AK38236
Type	CRE DNBLAST	DOWNBLAST

Test Data		
	Design	**Actual**
CFM	720	707
RL Voltage	-	121
RL Amperage	-	2.5
Total ESP	0.6	0.49

Motor Data		
	Design	**Actual**
Motor MFG	-	MCMILLAN
Frame	-	NL
Horsepower	0.167	283 W
Motor Rpm	1550	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	5.2
Service Factor	-	NL

Completed By: Wesley John

Notes:

National TAB

Project:Legent Hospital (Tomball, TX)

FAN - Exhaust

Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF-2-2/231

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
E2-2-1	E	8	85	1.0	97	-	86	101.2
E2-2-2	E	8	195	1.0	205	-	180	92.3
E2-2-2	E	8	135	1.0	150	-	138	102.2
E2-2-4	E	8	180	1.0	198	-	179	99.4
E2-2-5	E	8	125	1.0	160	-	124	99.2

Completed By: Michael Gabbert on

National TAB

Project: Legent Hospital (Tomball, TX)

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EF-2-3 AREA:217

Unit Data		
	Design	**Actual**
MFG	NA	PENNBARRY
Model Num	NA	F11QGP
Serial Num	-	J22AB47048
Type	CRE UPBLAST	UPBLAST

Test Data		
	Design	**Actual**
CFM	155	148
RL Voltage	-	121
RL Amperage	-	0.37
Total ESP	0.3	0.20"

Motor Data		
	Design	**Actual**
Motor MFG	-	MCMILLAN
Frame	-	NL
Horsepower	0.25	283W
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	230	120
Amperage (rated)	-	5.2
Service Factor	-	NL

Completed By: Wesley John

Notes:

National TAB

Project:Legent Hospital (Tomball, TX)

FAN - Exhaust

Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF-2-3/217

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
E2-3-1	E	8	155	1.0	455	-	148	95.5

Completed By: Michael Gabbert on

National TAB

Project: Legent Hospital (Tomball, TX)

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EF-2-4 AREA:212

Unit Data		
	Design	**Actual**
MFG	NA	PENNBARRY
Model Num	NA	VCR-105 C1A4
Serial Num	-	F22845-001
Type	CENT FUME	CENT FUME

Test Data		
	Design	**Actual**
CFM	365	375
RL Voltage	-	490/488/491
RL Amperage	-	0.26/0.25/0.22
Total ESP	0.47	NA

Motor Data		
	Design	**Actual**
Motor MFG	-	US MOTORS
Frame	-	56
Horsepower	0.25	0.25
Motor Rpm	1200	1140
Phase	3	3
Voltage (rated)	460	460
Amperage (rated)	-	0.76
Service Factor	-	1.15

Completed By: Wesley John

Notes:

National TAB

Project:Legent Hospital (Tomball, TX)

FAN - Exhaust

Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF-2-4/212

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
E2-4-1	E	10	365	1.0	113	375	375	102.7

Completed By: Michael Gabbert on

National TAB

Project: Legent Hospital (Tomball, TX)

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EF-2-5 AREA:216

Unit Data		
	Design	**Actual**
MFG	NA	PENNBARRY
Model Num	NA	DX11QGP
Serial Num	-	H22YZ41205
Type	CRE DNBLAST	UPBLAST

Test Data		
	Design	**Actual**
CFM	580	577
RL Voltage	-	121
RL Amperage	-	2.7
Total ESP	0.5	0.27"

Motor Data		
	Design	**Actual**
Motor MFG	-	GENTEQ
Frame	-	NL
Horsepower	0.25	NL
Motor Rpm	1725	1800
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	6.5
Service Factor	-	NL

Completed By: Wesley John

Notes:

National TAB

Project:Legent Hospital (Tomball, TX)

FAN - Exhaust

Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF-2-5/216

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
E2-5-1	E	10	225	1.0	292	-	214	95.1
E2-5-2	E	8	85	1.0	71	-	86	101.2
E2-5-2	E	6	125	1.0	121	-	132	105.6
E2-5-4	E	6	85	1.0	47	-	79	92.9
E2-5-5	F	6	60	1.0	43	-	66	110.0

Completed By: Michael Gabbert on

National TAB

Project: Legent Hospital (Tomball, TX)

System/Unit: Fan Coil

Comfort. Under control.

Asset: FCU-2-3 AREA:ELEV MACH RM

Unit Data		
	Design	**Actual**
MFG	NA	LG
Model Num	NA	LD097HV4
Serial Num	-	NL
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	**Actual**
Horsepower	-	NL
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	0.40

Test Data		
	Design	**Actual**
SFAN CFM	200	187
Motor Speed SetPt	-	HIGH
RL Voltage	-	212
RL Amperage	-	0.13
RA CFM	200	187
OA CFM	0	0

Performance Data		
	Design	**Actual**
Suction ESP	-	0.01
Discharge ESP	-	0.07
Total ESP	0.1	0.08

Completed By: Wesley John

Notes:

National TAB

Project:Legent Hospital (Tomball, TX)

Fan Coil

Comfort. Under control.

Diffuser Supply (GRD)

FCU-2-3/ELEV MACH RM

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
F2-3-1	ELEV MACH RM	G	8X6	200	187	187	93.5

Completed By: Michael Gabbert on

National TAB

Project: Legent Hospital (Tomball, TX)

System/Unit: Fan Coil

Comfort. Under control.

Asset: FCU-2-4 AREA:STAIR ST1

Unit Data		
	Design	**Actual**
MFG	NA	LG
Model Num	NA	LHN488HHV
Serial Num	-	NL
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	**Actual**
Horsepower	-	NL
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	1.3

Test Data		
	Design	**Actual**
SFAN CFM	1765	1315
Motor Speed SetPt	-	HIGH
RL Voltage	-	211
RL Amperage	-	1.1
RA CFM	1765	1315
OA CFM	0	0

Performance Data		
	Design	**Actual**
Suction ESP	-	0.02
Discharge ESP	-	0.20
Total ESP	0.24	0.22

Completed By: Wesley John

Notes:

National TAB

Project:Legent Hospital (Tomball, TX)

Fan Coil

Comfort. Under control.

Diffuser Supply (GRD)

FCU-2-4/STAIR ST1

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
F2-4-1	STAIR ST1	EX		885	1315	1315	148.6
F2-4-2	STAIR ST1	EX		880	0	0	0.0

Completed By: Michael Gabbert on

National TAB

Project: Legent Hospital (Tomball, TX)

System/Unit: Fan Coil

Comfort. Under control.

Asset: FCU-2-5 AREA:ELEV MACH RM

Unit Data		
	Design	**Actual**
MFG	NA	LG
Model Num	NA	LD097HV4
Serial Num	-	NL
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	**Actual**
Horsepower	-	NL
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	0.4

Test Data		
	Design	**Actual**
SFAN CFM	200	191
Motor Speed SetPt	-	HIGH
RL Voltage	-	210
RL Amperage	-	0.16
RA CFM	200	191
OA CFM	0	0

Performance Data		
	Design	**Actual**
Suction ESP	-	0.13
Discharge ESP	-	0.06
Total ESP	0.1	0.19

Completed By: Wesley John

Notes:

National TAB

Project:Legent Hospital (Tomball, TX)

Fan Coil

Comfort. Under control.

Diffuser Supply (GRD)

FCU-2-5/ELEV MACH RM

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
F2-5-1	ELEV MACH RM	G	8X6	200	142	191	95.5

Completed By: Michael Gabbert on

National TAB

Project: Legent Hospital (Tomball, TX)

System/Unit: Fan Coil

Comfort. Under control.

Asset: FCU-2-8 AREA:ELEVATOR 3

Unit Data		
	Design	**Actual**
MFG	NA	LG
Model Num	NA	LD127HV4
Serial Num	-	NL
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	**Actual**
Horsepower	-	NL
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	0.8

Test Data		
	Design	**Actual**
SFAN CFM	300	315
Motor Speed SetPt	-	HIGH
RL Voltage	-	212
RL Amperage	-	0.20
RA CFM	300	315
OA CFM	0	0

Performance Data		
	Design	**Actual**
Suction ESP	-	0.14
Discharge ESP	-	0.02
Total ESP	0.1	0.16

Completed By: Wesley John

Notes:

National TAB

Project:Legent Hospital (Tomball, TX)

Fan Coil

Comfort. Under control.

Diffuser Supply (GRD)

FCU-2-8/ELEVATOR 3

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
F2-8-1	ELEVATOR 3	G	8X6	300	315	315	105.0

Completed By: Michael Gabbert on

National TAB

Project: Legent Hospital (Tomball, TX)

System/Unit: AHU-DUAL FAN

Comfort. Under control.

Asset: RTU-2-1 AREA:222

UNIT DATA - SUPPLY		
	Design	**Actual**
Manufacturer	NA	AAON
Model Number	NA	RNA-070-D-0-3-EAB0B-00000
Serial Number	-	202301-BNCY22125
No. Pre-Filters / Size (1)	-	24 / 12x24x2

MOTOR DATA - SUPPLY		
	Design	**Actual**
Motor MFG / Frame	-	BALDOR / 254T
Horsepower / RPM	-	15 (x2) / 1765
Rated Volts / Phase	-	460 / 3
Rated Amperage / SF	-	18.0

DRIVE DATA - SUPPLY		
	Design	**Actual**

TEST DATA - SUPPLY		
	Design	**Actual**
Total CFM	14760	13892
OA CFM	2500	2459
Fan RPM	1733	1883
VFD Speed	-	64.0 Hz
RL Voltage	-	492/491/491
RL Amperage	-	13.2 // 14.0
Motor B.H.P.	9.61	11.0 // 11.7

PERFORMANCE DATA - SUPPLY		
	Design	**Actual**
Static Pressure Stpt	-	1.25"
Suction S.P.	-	-1.44"
Discharge S.P.	-	1.20"
Total S.P.	-	2.64"
DX Coil P.D.	-	0.46"
Final Filters P.D.	-	0.46"
Total ESP	3.50	2.18"

UNIT DATA - EXHAUST/RETURN		
	Design	**Actual**
Manufacturer	AAON	AAON
Model Number	-	RNA-070-D-0-3-EAB0B-00000
Serial Number	-	202301-BNCY22125

MOTOR DATA - EXHAUST/RETURN		
	Design	**Actual**
Motor MFG / FRAME	-	BALDOR / 213T
Horsepower / RPM	-	3 (x2) / 1165
Rated Volts / Phase	-	460 / 3
Rated Amperage / SF	-	4.5

DRIVE DATA - EXHAUST/RETURN		
	Design	**Actual**

TEST DATA - EXHAUST/RETURN		
	Design	**Actual**
Total CFM	12260	11433
Fan RPM	1166	1165
VFD Speed	-	60.0 Hz
RL Voltage	-	491/491/493
RL Amperage	-	3.9 // 3.9
Motor B.H.P.	1.71	2.6 // 2.6

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	**Actual**
Suction S.P.	-	1.03"
Discharge S.P.	-	0.98"
Total S.P.	1.05	2.01"

Completed By: Wesley John

Notes:

National TAB

Project:Legent Hospital (Tomball, TX)

AHU-DUAL FAN

Comfort. Under control.

VAV - Single Duct

RTU-2-1/222

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
RVAV-2-1	NAILOR	D3001	RVAV	14	1870	1865	1870	1865			1.364
RVAV-2-2	NAILOR	D3001	RVAV	14	1820	1826	1820	1826			1.104
RVAV-2-3	NAILOR	D3001	RVAV	14	1815	1810	1815	1810			1.451
RVAV-2-4	NAILOR	D3001	RVAV	14	1590	1584	1590	1584			1.303
RVAV-2-5	NAILOR	D3001	RVAV	10	785	728	785	728			1.230
RVAV-2-6	NAILOR	D3001	RVAV	10	750	754	750	754			1.726
RVAV-2-7	NAILOR	D3001	RVAV	10	790	783	790	783			1.426
RVAV-2-8	NAILOR	D3001	RVAV	10	500	497	500	497			0.720
RVAV-2-9	NAILOR	D3001	RVAV	14	1980	1996	440	448			1.124
VAV-2-1	NAILOR	D30RE	VAV	14	2070	2087	2070	2087	2070		0.945
VAV-2-2	NAILOR	D30RE	VAV	14	2020	2023	2020	2023	2020		0.900
VAV-2-3	NAILOR	D30RE	VAV	14	2015	2018	2015	2018	2015		1.026
VAV-2-4	NAILOR	D30RE	VAV	14	1790	1805	1790	1805	1790		1.096
VAV-2-5	NAILOR	D30RE	VAV	8	410	409	325	329	-	-	1.236
VAV-2-6	NAILOR	D30RE	VAV	8	570	560	525	528	-	-	0.976
VAV-2-7	NAILOR	D30RE	VAV	14	1530	1514	1530	1514	1530		1.296
VAV-2-8	NAILOR	D30RE	VAV	10	890	892	890	892	890	0	1.030
VAV-2-9	NAILOR	D30RE	VAV	6	370	375	195	192	195	0	0.943
VAV-2-10	NAILOR	D30RE	VAV	10	705	693	140	148	400		1.217
VAV-2-11	NAILOR	D30RE	VAV	6	210	211	210	211	155		1.023
VAV-2-19	NAILOR	D30RE	VAV	14	2180	2136	440	452	800		0.908

Diffuser Supply (GRD)

VAV-2-1/222

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
V2-1-1	222	A	10	260	222	258	99.2
V2-1-2	222	A	10	260	234	264	101.5
V2-1-2	222	A	10	260	230	268	103.1
V2-1-4	222	A	10	255	217	263	103.1
V2-1-5	222	A	10	260	219	253	97.3
V2-1-6	222	A	10	260	248	268	103.1
V2-1-7	222	A	10	260	240	259	99.6
V2-1-8	222	A	10	255	237	254	99.6

VAV-2-10/250

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
V2-10-1	250	C	10	235	258	234	99.6
V2-10-2	250	C	10	235	255	225	95.7
V2-10-2	250	C	10	235	300	234	99.6

VAV-2-11/HALL

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
V2-11-1	HALL	C	6	105	109	106	101.0
V2-11-2	HALL	C	6	105	109	105	100.0

VAV-2-19/245

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
V2-19-1	245	A	10	275	212	281	102.2
V2-19-2	245	A	10	275	224	289	105.1
V2-19-3	245	A	10	275	253	261	94.9
V2-19-4	245	A	10	275	240	274	99.6
V2-19-5	245	A	10	270	257	250	92.6
V2-19-6	245	A	10	270	264	258	95.6
V2-19-7	245	A	10	270	267	254	94.1
V2-19-8	245	A	10	270	248	269	99.6

VAV-2-3/224

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
V2-2-1	223	A	10	250	215	239	95.6
V2-2-2	223	A	10	250	232	256	102.4
V2-2-2	223	A	10	250	198	244	97.6
V2-2-4	223	A	10	250	267	238	95.2
V2-2-5	223	A	10	255	241	267	104.7
V2-2-6	223	A	10	255	240	271	106.3
V2-2-7	223	A	10	255	231	253	99.2
V2-2-8	223	A	10	255	247	250	98.0

VAV-2-2/224

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**	**AK**	**CFM(2)**
V2-3-1	224	A	10	250		228	-	264	105.6
V2-3-2	224	A	10	250		234	-	260	104.0
V2-3-2	224	A	10	250		240	-	257	102.8
V2-3-4	224	A	10	250		231	-	258	103.2
V2-3-5	224	A	10	250		252	-	248	99.2
V2-3-6	224	A	10	255		230	-	242	94.9
V2-3-7	224	A	10	255		216	-	253	99.2
V2-3-8	224	A	10	255		220	-	241	94.5

VAV-2-4/235

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
V2-4-1	235	A	10	225	259	219	97.3
V2-4-2	235	A	10	225	249	218	96.9
V2-4-2	235	A	10	225	242	211	93.8
V2-4-4	235	A	10	220	238	217	98.6
V2-4-5	235	A	10	225	219	227	100.9
V2-4-6	235	A	10	225	237	242	107.6
V2-4-7	235	A	10	225	240	243	108.0
V2-4-8	235	A	10	220	251	228	103.6

VAV-2-5/228B

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
V2-5-1	225	C	6	65	64	67	103.1
V2-5-2	228	C	6	55	69	58	105.5
V2-5-2	HALL	C	6	65	61	62	95.4
V2-5-4	221	C	6	50	70	52	104.0
V2-5-5	227	C	6	55	81	51	92.7
V2-5-6	HALL	C	65	65	79	64	98.5
V2-5-7	228B	C	6	55	63	55	100.0

VAV-2-6/236

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
V2-6-1	HALL	C	8	120	121	112	93.3
V2-6-2	243	C	6	30	50	32	106.7
V2-6-2	244	C	6	65	40	62	95.4
V2-6-4	237	C	6	60	57	62	103.3
V2-6-5	HALL	C	8	120	117	124	103.3
V2-6-6	236	C	8	175	115	168	96.0

VAV-2-7/238

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
V2-7-1	238	C	10	510	394	502	98.4
V2-7-2	238	C	10	510	350	518	101.6
V2-7-2	238	C	10	510	440	494	96.9

VAV-2-8/240

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
V2-8-1	240	C	10	445	500	443	99.6
V2-8-2	240	C	10	445	408	449	100.9

VAV-2-9/260

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
V2-9-1	261	C	6	55	54	58	105.5
V2-9-2	242	C	6	85	42	83	97.6
V2-9-2	260	C	10	230	183	234	101.7

Diffuser Ret/Exh (GRD)

RVAV-2-1/222

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
RV2-1-1	B	16X24	935	1.0	799	-	917	98.1
RV2-1-2	B	16X24	935	1.0	1021	-	948	101.4

RVAV-2-2/224

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
RV2-2-1	B	16X24	910	1.0	947	-	929	102.1
RV2-2-2	B	16X24	910	1.0	1201	-	897	98.6

RVAV-2-3/235

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
RV2-3-1	B	16X24	910	1.0	1704	-	919	101.0
RV2-3-2	B	16X24	905	1.0	1292	-	891	98.5

RVAV-2-4/225

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
RV2-4-1	B	16X24	795	1.0	588		803	101.0
RV2-4-2	B	16X24	795	1.0	781		781	98.2

RVAV-2-5/225

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
RV2-5-1	D	6	75	1.0	33		64	85.3
RV2-5-2	D	14	710	1.0	683		664	93.5

RVAV-2-6/HALL

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
RV2-6-1	D	10	750	1.0	991	-	754	100.5

RVAV-2-7/250

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
RV2-7-1	D	12	555	1.0	398	-	540	97.3
RV2-7-2	D	10	230	1.0	278	-	243	105.7

RVAV-2-8/HALL

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
RV2-8-1	D	12	500	1.0	458		497	99.4

RVAV-2-9/245

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
RV2-9-1	B	16X24	990	1.0	1058		972	98.2
RV2-9-2	B	16X24	990	1.0	765		1024	103.4

Completed By: Wesley John on