



National TAB

Project: CW 3501 - BLACKHAWK
Address: 3501 OLYMPUS BLVD STE 200 COPPELL, TX

Asset: FCU-2-3

Area: RECEPTION

Unit Data	
MFG	mitsubishi
Model Num	TPEFY024MA144A
Serial Num	26R0185830P90Z

Test Data		
	Design	Actual
SA CFM	590	624
Fan Speed		LOW
OA CFM	190	179
RA CFM	410	445
RL Voltage	208	212
RL Amperage	2.03	1.10
Suction ESP		-0.09
Discharge ESP		0.18
Total ESP	0.25	0.27

Motor Data	
Motor MFG	INTERTEK
Horsepower	0.162
Motor Rpm	NL
Phase	1
Voltage (rated)	208
Amperage (rated)	2.03

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
2-3-1	STORAGE	S1		70	80	75	1.07
2-3-2	HALL	S1		70	70	74	1.06
2-3-3	HALL	S1		70	120	77	1.10
2-3-4	STORAGE	S1		70	119	73	1.04
2-3-5	HALL	S2		70	127	74	1.06
2-3-7	RECEPT	S2		85	101	89	1.05
2-3-8	RECEPT	S2		85	134	90	1.06
2-3-9	HALL	S1		70	105	72	1.03
				590	856	624	1.06

NOTES: GRILLE 2-3-6 NOT SERVED BY FCU 2-3. SUPPLY DISTRIBUTED TO OTHER GRILLES.



National TAB

Project: CW 3501 - BLACKHAWK
Address: 3501 OLYMPUS BLVD STE 200 COPPELL, TX

Asset: FCU-2-5

Area: Board Room Corridor

Unit Data	
MFG	MITSUBISHI
Model Num	TPEFY048MA144A
Serial Num	23R0061330P914

Test Data		
	Design	Actual
SA CFM	1400	1425
Fan Speed		MED HIGH
OA CFM	80	84
RA CFM	1320	1341
RL Voltage	20	206
RL Amperage	3.09	2.3
Suction ESP		-0.12
Discharge ESP		0.15
Total ESP	0.25	0.27

Motor Data	
Motor MFG	INTERTEK
Horsepower	0.402
Motor Rpm	NL
Phase	1
Voltage (rated)	208
Amperage (rated)	3.09

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
2-5-1	CORR	S2		133	160	139	1.05
2-5-2	CORR	S2		133	150		1.08
2-5-3	CORR	S2		134	156	135	1.01
2-5-4	CORR	S2		200	115	199	1.00
2-5-5	CORR	S2		200	176	207	1.04
2-5-6	CORR	S2		200	152	196	0.98
2-5-7	CORR	S2		200	143	202	1.01
2-5-8	CORR	S2		200	136	204	1.02
				1400	1188	1425	1.02

NOTES: GRILLE BETWEEN 2-5-1 AND 2-5-2 ON MECHANICAL PLAN SHOW TO BE A RETURN BUT IS ALSO CONNECTED TO SUPPLY DUCT. GRILLE HAS BEEN INSTALLED AS SUPPLY. 400 CFM DESIGN FOR THE AREA HAS BEEN SPLIT EVENLY BETWEEN 3 GRILLES.



Comfort. Under control.

National TAB

Project: CW 3501 - BLACKHAWK
Address: 3501 OLYMPUS BLVD STE 200 COPPELL, TX

Asset: FCU-2-6

Area: FOCUS

Unit Data	
MFG	MITSUBISHI
Model Num	TPEFYP
Serial Num	26W003667GEHA5

Test Data		
	Design	Actual
SA CFM	880	932
Fan Speed		HIGH
OA CFM	190	111
RA CFM	790	821
RL Voltage	208	212
RL Amperage	3.01	2.2
Suction ESP		0.04
Discharge ESP		0.15
Total ESP	0.25	0.19

Motor Data	
Motor MFG	INTERTEK
Horsepower	NL
Motor Rpm	NL
Phase	1
Voltage (rated)	208
Amperage (rated)	3.01

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
2-6-1		S2		55	53	60	1.09
2-6-2		S2		55	102	58	1.05
2-6-3		S2		140	77	153	1.09
2-6-4		S2		60	67	64	1.07
2-6-5		S2		55	120	60	1.09
2-6-6		S2		55	114	63	1.15
2-6-7		S2		60	46	68	1.13
2-6-8		S2		55	143	51	0.93
2-6-9		S2		75	144	74	0.99
2-6-10		S2		75	104	79	1.05
2-6-11		S2		80	86	88	1.10
2-6-12		S2		55	83	57	1.04
2-6-13		S2		60	117	57	0.95
				880	723	932	1.06



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Project: CW 3501 - BLACKHAWK
Address: 3501 OLYMPUS BLVD STE 200 COPPELL, TX

Asset: FCU-2-7

Area: 12-14 CONF.

Unit Data	
MFG	mitsubishi
Model Num	TPEFYP015MA144A
Serial Num	22R0078330P90X

Test Data		
	Design	Actual
SA CFM	490	531
Fan Speed		MED LOW
OA CFM	80	74
RA CFM	410	457
RL Voltage	208	207
RL Amperage	1.24	0.8
Suction ESP		-0.07
Discharge ESP		0.16
Total ESP	0.25	0.23

Motor Data	
Motor MFG	INTERTEK
Horsepower	0.162
Motor Rpm	NL
Phase	1
Voltage (rated)	208
Amperage (rated)	1.24

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
2-7-1	12-14 CONF	S2		120	134	131	1.09
2-7-2	12-14 CONF	S2		120	123	130	1.08
2-7-3	12-14 CONF	S2		125	145	136	1.09
2-7-4	12-14 CONF	S2		125	145	134	1.07
				490	547	531	1.08



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Project: CW 3501 - BLACKHAWK
Address: 3501 OLYMPUS BLVD STE 200 COPPELL, TX

Asset: FCU-2-8

Area: 12-14 CONF.

Unit Data	
MFG	MITSUBISHI
Model Num	TPEFYP015MA144A
Serial Num	22R0078230P90X

Test Data		
	Design	Actual
SA CFM	600	607
Fan Speed		MEDIUM
OA CFM	80	85
RA CFM	520	522
RL Voltage	208	200
RL Amperage	1.24	0.80
Suction ESP		-0.10
Discharge ESP		0.22
Total ESP	0.25	0.32

Motor Data	
Motor MFG	INTERTEK
Horsepower	0.162
Motor Rpm	NL
Phase	1
Voltage (rated)	208
Amperage (rated)	1.24

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
2-8-1	12-14 CONF	S2		120	106	123	1.03
2-8-2	12-14 CONF	S2		120	128	130	1.08
2-8-3	12-14 CONF	S2		180	160	184	1.02
2-8-4	12-14 CONF	S2		180	141	170	0.94
				600	535	607	1.01



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Project: CW 3501 - BLACKHAWK
Address: 3501 OLYMPUS BLVD STE 200 COPPELL, TX

Asset: FCU-2-13

Area: FOCUS

Unit Data	
MFG	mitsubishi
Model Num	TPEFYP024MA144A
Serial Num	26R0187530P90Z

Test Data		
	Design	Actual
SA CFM	490	691
Fan Speed		LOW
OA CFM	100	108
RA CFM	390	583
RL Voltage	208	211
RL Amperage	2.03	1.2
Suction ESP		-0.08
Discharge ESP		0.17
Total ESP	0.25	0.25

Motor Data	
Motor MFG	INTERTEK
Horsepower	0.162
Motor Rpm	NL
Phase	1
Voltage (rated)	208
Amperage (rated)	2.03

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
2-13-1	FOCUS	S1		50	150	73	1.46
2-13-2	CPY/PRN	S1		110	159	159	1.45
2-13-3	FOCUS	S1		50	101	68	1.36
2-13-4	HALL	S1		50	106	71	1.42
2-13-5	MAIL	S1		80	130	117	1.46
2-13-6	IT			150	95	203	1.35
				490	741	691	1.41

NOTES: FCU SET TO LOWEST FAN SPEED. GRILLES BALANCED PROPORTIONALLY HIGH / 2 Ton Unit 800 CFM



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Project: CW 3501 - BLACKHAWK
Address: 3501 OLYMPUS BLVD STE 200 COPPELL, TX

Asset: FCU-14B CENTRAL HUB

Unit Data	
MFG	MITSUBISHI
Model Num	TPEFYP027MA144A
Serial Num	27R0020430P911

Test Data		
	Design	Actual
SA CFM	1080	1099
Fan Speed		HIGH
OA CFM	200	186
RA CFM	880	913
RL Voltage	208	210
RL Amperage	2.03	1.9
Suction ESP		-0.12
Discharge ESP		0.21
Total ESP	0.25	0.33

Motor Data	
Motor MFG	INTERTEK
Horsepower	0.162
Motor Rpm	NL
Phase	1
Voltage (rated)	208
Amperage (rated)	2.03

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
2-14B-1	CENT HUB	S3	8X6	154	138	167	1.08
2-14B-2	CENT HUB	S3	8X6	154	134	162	1.05
2-14B-3	CENT HUB	S3	8X6	154	143	151	0.98
2-14B-4	CENT HUB	S3	8X6	154	142	143	0.93
2-14B-5	CENT HUB	S3	8X6	154	132	144	0.94
2-14B-6	CENT HUB	S2	8X6	154	135	167	1.08
2-14B-7	CENT HUB	S2		156	135	165	1.06
				1080	959	1099	1.02

NOTES: 7 SIDEWALL GRILLES PRESENT. 1080 CFM DESIGN SPLIT EVENLY BETWEEN 7 TOTAL GRILLES.



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Project: CW 3501 - BLACKHAWK
Address: 3501 OLYMPUS BLVD STE 200 COPPELL, TX

Asset: FCU-2-15

Area: SEMI-OPEN COLLAB

Unit Data	
MFG	MITSUBISHI
Model Num	TPEFYP036MA144A
Serial Num	26R0118830P913

Test Data		
	Design	Actual
SA CFM	1070	1118
Fan Speed		MED LOW
OA CFM	290	302
RA CFM	780	816
RL Voltage	208	204
RL Amperage	3	1.5
Suction ESP		-0.13
Discharge ESP		0.21
Total ESP	0.25	0.34

Motor Data	
Motor MFG	INTERTEK
Horsepower	0.402
Motor Rpm	NL
Phase	1
Voltage (rated)	208
Amperage (rated)	3

Asset	Area Served	Type	Size	CFM	CFM	FINAL CFM	% to design
2-15-1	SEMI OPEN COLLAB	S2		80	87	82	1.03
2-15-2	SEMI OPEN COLLAB	S2		80	52	83	1.04
2-15-3	TEAM ROOM	S1		175	149	180	1.03
2-15-4	TEAM ROOM	S1		175	125	186	1.06
2-15-5	CORRIDOR	S1		50	141	52	1.04
2-15-6	CORRIDOR	S1		50	134	52	1.04
2-15-7	TEAM ROOM	S1		150	137	154	1.03
2-15-8	TEAM ROOM	S1		150	0	160	1.07
2-15-9	SEMI OPEN COLLAB	S2		80	155	83	1.04
2-15-10	SEMI OPEN COLLAB	S2		80	90	86	1.08
				1070	1070	1118	1.04



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Project: CW 3501 - BLACKHAWK
Address: 3501 OLYMPUS BLVD STE 200 COPPELL, TX

Asset: FCU-2-16

Area: OPEN OFFICE

Unit Data	
MFG	MITSUBISHI
Model Num	TPEFYP036MA144A
Serial Num	23R0094630P913

Motor Data	
Motor MFG	INTERTEK
Horsepower	0.402
Motor Rpm	NL
Phase	1
Voltage (rated)	208
Amperage (rated)	3.01

Test Data		
	Design	Actual
SA CFM	1080	1073
Fan Speed		MED HIGH
OA CFM	160	149
RA CFM	920	924
RL Voltage		211
RL Amperage	208	2.1
Suction ESP		-0.09
Discharge ESP		0.13
Total ESP	0.25	0.22

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
2-16-1	OPEN OFC	S1		180	170	183	1.02
2-16-2	OPEN OFC	S1		180	147	173	0.96
2-16-3	OPEN OFC	S1		180	156	191	1.06
2-16-4	OPEN OFC	S1		180	121	165	0.92
2-16-5	OPEN OFC	S1		180	169	187	1.04
2-16-6	OPEN OFC	S1		180	127	174	0.97
				1080	890	1073	0.99



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Project: CW 3501 - BLACKHAWK
Address: 3501 OLYMPUS BLVD STE 200 COPPELL, TX

Asset: FCU-2-17

Area: OPEN OFFICE

Unit Data	
MFG	mitsubishi
Model Num	TPEFYP027MA144A
Serial Num	27R0020530P911

Test Data		
	Design	Actual
SA CFM	1075	1062
Fan Speed		HIGH
OA CFM	85	81
RA CFM	990	981
RL Voltage	208	210
RL Amperage	2.03	1.8
Suction ESP		-0.11
Discharge ESP		0.20
Total ESP	0.25	0.31

Motor Data	
Motor MFG	INTERTEK
Horsepower	0.162
Motor Rpm	NL
Phase	1
Voltage (rated)	208
Amperage (rated)	2.03

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
2-17-1	OPEN OFC	S3	8X6	269	229	258	0.96
2-17-3	OPEN OFC	S3	8X6	269	219	267	0.99
2-17-4	OPEN OFC	S3	8X6	269	282	271	1.01
2-17-5	OPEN OFC	S3	8X6	268	250	266	0.99
				1075	980	1062	0.99
							0.99

NOTES: GRILLE 2-17-2 MISSING. 1075 CFM SUPPLY SPLIT BETWEEN 4 GRILLES.



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Project: CW 3501 - BLACKHAWK
Address: 3501 OLYMPUS BLVD STE 200 COPPELL, TX

Asset: FCU-2-18

Area: LARGE OFFICE

Unit Data	
MFG	MITSUBISHI
Model Num	TPEFYP008MA144A
Serial Num	1YR0054830P90V

Test Data		
	Design	Actual
SA CFM	300	309
Fan Speed		MED
OA CFM	40	42
RA CFM	260	267
RL Voltage	208	211
RL Amperage	0.70	0.59
Suction ESP		-0.07
Discharge ESP		0.10
Total ESP	0.25	0.17

Motor Data	
Motor MFG	INTERTEK
Horsepower	0.114
Motor Rpm	NL
Phase	1
Voltage (rated)	208
Amperage (rated)	0.70

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
2-18-1	LG OFC	S2		215	150	221	1.03
2-18-2	LG OFC	S1		85	183	88	1.04
				300	333	309	1.03



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Project: CW 3501 - BLACKHAWK
Address: 3501 OLYMPUS BLVD STE 200 COPPELL, TX

Asset: FCU-2-19

Area: TEAM ROOM

Unit Data	
MFG	MITSUBISHI
Model Num	TPEFYP018MA144A
Serial Num	24R0170330P90Y

Test Data		
	Design	Actual
SA CFM	600	605
Fan Speed		MED
OA CFM	150	158
RA CFM	450	447
RL Voltage	208	214
RL Amperage	1.54	0.80
Suction ESP		-0.12
Discharge ESP		0.19
Total ESP	0.25	0.31

Motor Data	
Motor MFG	INTERTEK
Horsepower	0.162
Motor Rpm	NL
Phase	1
Voltage (rated)	208
Amperage (rated)	1.54

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
2-19-1	TEAM RM	S1		100	128	107	1.07
2-19-2	MD OFC	S1		125	147	125	1.00
2-19-3	MD OFC	S1		125	103	123	0.98
2-19-4	MD OFC	S1		125	105	125	1.00
2-19-5	MD OFC	S1		125	86	125	1.00
				600	569	605	1.01



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Project: CW 3501 - BLACKHAWK
 Address: 3501 OLYMPUS BLVD STE 200 COPPELL, TX

Asset: EF-2-1 Area: IT ROOM

Unit Data	
MFG	PENN BARRY
Model Num	Z8H
Serial Num	E22LZ32159

Motor Data	
Motor MFG	NL
Frame	NL
Horsepower	NL
Motor Rpm	1550
Phase	1
Voltage (rated)	115
Amperage (rated)	NL
Service Factor	NL

Test Data		
	Design	Actual
CFM	270	0
Fan RPM	1070	N/A
RL Voltage		N/A
RL Amperage		N/A
Suction ESP		N/A
Total ESP	0.25	N/A

NOTES: MOTOR IS NOT WIRED