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**Report: TAB REPORT  
Function: Test, Adjust, & Balance  
Date: 08/11/2025  
Completed By: National TAB**

**PROJECT  
CW 3300 - Allstate (Dallas, TX)**

3300 Olympus Blvd

Dallas, TX 75019

**Client**

Billingsley  
ONE ART PLAZA  
1722 ROUTH ST SUITE 1313  
DALLAS, TX 75201

# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

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# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-1.1

AREA: NGLS 428 (NW/NE EXTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY048MA144A
Serial Num	-	51R0308830P914
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Test Data		
	Design	Actual
SFAN CFM	1350	1283
Motor Speed SetPt	-	HIGH
RL Voltage	208	211
RL Amperage	3.09	2.2
RA CFM	1285	1214
OA CFM	65	69

Performance Data		
	Design	Actual
Suction ESP	-	-0.25
Discharge ESP	-	0.24
Total ESP	0.6	0.49

Completed By: Bayley Morvant on 06/09/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-1.1/NGLS 428 (NW/NE EXTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	428	EL10	10	425	315	436	102.6
SGRD2	428	EL6	6	150	102	144	96.0
SGRD3	428	EL10	10	325	267	294	90.5
SGRD4	428	EL10	10	450	234	409	90.9
Total				1350	918	1283	95.04%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-1.2

AREA: PANTRY 424 (NW EXTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY054MA144A
Serial Num	-	49R0163630P915
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Test Data		
	Design	Actual
SFAN CFM	1425	1109
Motor Speed SetPt	-	HIGH
RL Voltage	208	209
RL Amperage	3.09	2.6
RA CFM	1115	829
OA CFM	310	280

Performance Data		
	Design	Actual
Suction ESP	-	-0.17
Discharge ESP	-	0.35
Total ESP	0.6	0.52

Completed By: Bayley Morvant on 07/31/2025

Notes:

UNABLE TO PUSH FURTHER AIRFLOW TO DIFFUSERS #7-#13. DIFFUSERS WERE LEFT AS IS DUE TO UNIT TOTAL DROPPING DRASTICALLY AFTER FIRST ROUND OF BALANCING. UNIT IS OPERATING AT HIGHEST POSSIBLE SPEED.

Written By: Bayley Morvant on 07/31/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

**Diffuser Supply (GRD)**

**FCU-4-1.2/PANTRY 424 (NW EXTERIOR)**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	427	GS12/6	10X6	200	281	202	101.0
SGRD2	481	GS12/6	10X6	50	270	45	90.0
SGRD3	424	GS12/6	10X6	75	22	61	81.3
SGRD4	424	GS12/6	10X6	75	27	68	90.7
SGRD5	424	GS12/6	10X6	75	29	70	93.3
SGRD6	424	GS12/6	10X6	75	22	69	92.0
SGRD7	422	GS12/6	10X6	125	26	77	61.6
SGRD8	422	GS12/6	10X6	125	40	101	80.8
SGRD9	422	GS12/6	10X6	125	22	77	61.6
SGRD10	422	GS12/6	10X6	125	18	80	64.0
SGRD11	422	GS12/6	10X6	125	35	96	76.8
SGRD12	422	GS12/6	10X6	125	23	77	61.6
SGRD13	422	GS12/6	10X6	125	29	86	68.8
Total				1425	844	1109	77.82%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-1.3

AREA:CENTRAL SQUARE 422 (NW/SW EXTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY036MA144A
Serial Num	-	34R0192230P913
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.01

Test Data		
	Design	Actual
SFAN CFM	1270	1261
Motor Speed SetPt	-	HIGH
RL Voltage	208	212
RL Amperage	3.01	2.5
RA CFM	1140	1124
OA CFM	130	137

Performance Data		
	Design	Actual
Suction ESP	-	-0.18
Discharge ESP	-	0.18
Total ESP	0.6	0.36

Completed By: Bayley Morvant on 06/10/2025

Notes:

[1] DIFFUSER 1-4 DAMPERS ARE COMPLETELY CLOSED. UNABLE TO PUSH ANY FURTHER AIRFLOW TO DIFFUSERS 5, 6 & 8. DIFFUSERS 5, 6 & 8 DAMPERS ARE 100% OPEN.

Written By: Bayley Morvant on 06/10/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

**Diffuser Supply (GRD)**

**FCU-4-1.3/CENTRAL SQUARE 422 (NW/SW EXTERIOR)**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	422	GS12/6	10X6	80	15	115	143.8
SGRD2	422	GS12/6	10X6	80	159	106	132.5
SGRD3	422	GS12/6	10X6	80	1960	112	140.0
SGRD4	422	GS12/6	10X6	80	2298	114	142.5
SGRD5	422	ES8	8	230	81	172	74.8
SGRD6	422	ES8	8	240	113	205	85.4
SGRD7	422	ES8	8	240	128	244	101.7
SGRD8	422	ES8	8	240	103	193	80.4
Total				1270	4857	1261	99.29%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-1.4

AREA: NGLS 428 (NE EXTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY018MA145A
Serial Num	-	4ZR0120830P30E
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.162
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	2.03

Test Data		
	Design	Actual
SFAN CFM	880	758 [2]
Motor Speed SetPt	-	HIGH
RL Voltage	208	212
RL Amperage	2.03	1.5
RA CFM	810	693
OA CFM	70	65

Performance Data		
	Design	Actual
Suction ESP	-	-0.21
Discharge ESP	-	0.34
Total ESP	0.6	0.55

Completed By: Bayley Morvant on 06/09/2025

Notes:

[1] UNIT IS SET TO HIGH FAN SPEED, WHILE BALANCING DIFFUSERS TOTAL CFM DROPPED BELOW 90%. DIFFUSERS WERE LEFT AS IS TO MAINTAIN AS MUCH TOTAL CFM AS POSSIBLE.

Written By: Bayley Morvant on 06/09/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-1.4/NGLS 428 (NE EXTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	428	EL6	6	140	118	126	90.0
SGRD2	428	EL6	6	140	133	135	96.4
SGRD3	428	EL8	8	300	188	264	88.0
SGRD4	428	EL8	8	300	134	233	77.7
Total				880	573	758	86.14%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-1.5

AREA: ENTERPRISE BADG. OFF. 426 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	mitsubishi
Model Num	NA	PEFY-P12NMAU-E4
Serial Num	-	4ZR12003
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.114
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	0.89

Test Data		
	Design	Actual
SFAN CFM	370	375
Motor Speed SetPt	-	MED-HIGH
RL Voltage	208	211
RL Amperage	0.89	0.6
RA CFM	290	293
OA CFM	80	82

Performance Data		
	Design	Actual
Suction ESP	-	-0.07
Discharge ESP	-	0.12
Total ESP	0.6	0.19

Completed By: Bayley Morvant on 06/10/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-1.5/ENTERPRISE BADG. OFF. 426 (INTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	426	EL8	8	190	95	195	102.6
SGRD2	425	GS12/6	10X6	50	63	47	94.0
SGRD3	425	GS12/6	10X6	40	60	39	97.5
SGRD4	480	GS12/6	10X6	30	52	31	103.3
SGRD5	430	GS12/6	10X6	30	180	33	110.0
SGRD6	429	GS12/6	10X6	30	180	30	100.0
Total				370	630	375	101.35%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-1.6

AREA: TRAINING ROOM 419 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY048MA144A
Serial Num	-	51R0311930P914
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Test Data		
	Design	Actual
SFAN CFM	1200	1197
Motor Speed SetPt	-	MED-HIGH
RL Voltage	208	211
RL Amperage	3.09	1.9
RA CFM	990	978
OA CFM	210	219

Performance Data		
	Design	Actual
Suction ESP	-	-0.04
Discharge ESP	-	0.17
Total ESP	0.6	0.21

Completed By: Bayley Morvant on 06/17/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-1.6/TRAINING ROOM 419 (INTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	419	CS8	8	200	177	199	99.5
SGRD2	419	CS8	8	200	183	220	110.0
SGRD3	419	CS8	8	200	173	204	102.0
SGRD4	419	CS8	8	200	172	196	98.0
SGRD5	419	CS8	8	200	178	198	99.0
SGRD6	419	CS8	8	200	156	180	90.0
Total				1200	1039	1197	99.75%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-1.7

AREA: ROOM 400,413,414,416-418, 431 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFYYP030MA145A
Serial Num	-	48R0030230P30F
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.01

Test Data		
	Design	Actual
SFAN CFM	1115	778
Motor Speed SetPt	-	HIGH
RL Voltage	208	210
RL Amperage	3.01	1.5
RA CFM	495	724
OA CFM	250	54

Performance Data		
	Design	Actual
Suction ESP	-	-0.10
Discharge ESP	-	0.39
Total ESP	0.6	0.49

Completed By: Bayley Morvant on 07/31/2025

Notes:  
UNIT DESIGN TOTAL FROM SCHEDULE IS 1270 CFM, DIFFUSER TOTAL IS 1115 CFM.

UNABLE TO FORCE FURTHER AIRFLOW TO LOW DIFFUSERS. UNIT TOTAL DROPPED DRASTICALLY DURING BALANCE PROCEDURE. UNIT WAS LEFT AS IS TO MAINTAIN AS MUCH TOTAL CFM AS POSSIBLE TO KEEP AREAS SERVED COMFORTABLE.

UNABLE TO VERIFY IF MAIN DAMPER FOR DIFFUSERS #9 AND #10 IS OPEN DUE TO SHEET ROCK CEILING IN ALL GENDER RESTROOM 415.

UNIT RETURN NOT EQUIPPED WITH BALANCE DAMPER. OUTSIDE AIR DAMPER WAS 100% OPEN DURING TIME OF TESTING.

Written By: Bayley Morvant on 07/31/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

**Diffuser Supply (GRD)**

**FCU-4-1.7/ROOM 400,413,414,416-418, 431 (INTERIOR)**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	433	GS12/6	10X6	40	270	43	107.5
SGRD2	431	HS6	6	75	69	75	100.0
SGRD3	432	EL6	6	100	75	92	92.0
SGRD4	400	HS6	6	75	75	74	98.7
SGRD5	413	EL6	6	125	66	113	90.4
SGRD6	414	EL6	6	50	44	45	90.0
SGRD7	477	GS12/8	10X8	500	129	230	46.0
SGRD8	416	GS12/6	10X6	50	89	51	102.0
SGRD9	417	EL6	6	50	30	32	64.0
SGRD10	418	EL6	6	50	11	23	46.0
Total				1115	858	778	69.78%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-2.1

AREA: TRAINING ROOM 420 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFYYP048MA144A
Serial Num	-	51R0312030P914
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Test Data		
	Design	Actual
SFAN CFM	1200	1210
Motor Speed SetPt	-	MED-HIGH
RL Voltage	208	210
RL Amperage	3.09	1.9
RA CFM	1020	921
OA CFM	280	289

Performance Data		
	Design	Actual
Suction ESP	-	-0.04
Discharge ESP	-	0.26
Total ESP	0.6	0.30

Completed By: Bayley Morvant on 07/30/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-2.1/TRAINING ROOM 420 (INTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	420	CS-8	8	200	146	188	94.0
SGRD2	420	CS-8	8	200	209	204	102.0
SGRD3	420	CS-8	8	200	163	191	95.5
SGRD4	420	CS-8	8	200	187	220	110.0
SGRD5	420	CS-8	8	200	187	216	108.0
SGRD6	420	CS-8	8	200	161	191	95.5
Total				1200	1053	1210	100.83%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-2.2

AREA: OPEN OFFICE 421 (SW EXTERNAL)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI0
Model Num	NA	TPEFY054MA144A
Serial Num	-	49R0163730P915
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Test Data		
	Design	Actual
SFAN CFM	1400	1356
Motor Speed SetPt	-	HIGH
RL Voltage	208	208
RL Amperage	3.09	2.4
RA CFM	1320	1270
OA CFM	80	86

Performance Data		
	Design	Actual
Suction ESP	-	-0.09
Discharge ESP	-	0.26
Total ESP	0.6	0.35

Completed By: Bayley Morvant on 07/29/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-2.2/OPEN OFFICE 421 (SW EXTERNAL)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	421	ES8	8	280	319	277	98.9
SGRD2	421	ES8	8	280	184	272	97.1
SGRD3	421	ES8	8	280	209	271	96.8
SGRD4	421	ES8	8	280	157	263	93.9
SGRD5	421	ES8	8	280	172	273	97.5
Total				1400	1041	1356	96.86%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-2.3

AREA:NGLS 428 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY018MA145A
Serial Num	-	4ZR0117230P30E
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.162
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	2.03

Test Data		
	Design	Actual
SFAN CFM	700[1]	623
Motor Speed SetPt	-	HIGH
RL Voltage	208	212
RL Amperage	2.03	1.2
RA CFM	630	555
OA CFM	70	68

Performance Data		
	Design	Actual
Suction ESP	-	-0.24
Discharge ESP	-	0.35
Total ESP	0.6	0.59

Completed By: Bayley Morvant on 06/09/2025

Notes:

[1] UNIT HAS EXTRA DIFFUSER. EXTRA DIFFUSER IS SHOWN TO BE DUCTED TO FCU-4-2.4, HOWEVER IT IS DUCTED TO FCU-4-2.3.

[2] UNABLE TO FORCE FURTHER AIRFLOW TO DIFFUSER #3. UNIT IS SET TO HIGH SPEED.

Written By: Bayley Morvant on 06/09/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

**Diffuser Supply (GRD)**

**FCU-4-2.3/NGLS 428 (INTERIOR)**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	428	EL8	8	275	167	257	93.5
SGRD2	428	EL8	8	250	233	229	91.6
SGRD3	428	EL6	6	175	56	137	78.3
Total				700	456	623	89%

**Diffuser Ret/Exh (GRD)**

**FCU-4-2.3/NGLS 428 (INTERIOR)**

Asset						
Asset Name	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
EGRD1	PL22	22X22	630	480	555	88.1
Total			630	480	555	88.1%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-2.4

AREA:NGLS 428 (NE EXTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY027MA144A
Serial Num	-	4XR0071930P911
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.162
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	2.03

Test Data		
	Design	Actual
SFAN CFM	875[1]	823
Motor Speed SetPt	-	HIGH
RL Voltage	208	211
RL Amperage	2.03	1.6
RA CFM	805	747
OA CFM	70	76

Performance Data		
	Design	Actual
Suction ESP	-	-0.26
Discharge ESP	-	0.28
Total ESP	0.6	0.54

Completed By: Bayley Morvant on 06/09/2025

Notes:

[1] NEW REVISED DRAWINGS SHOW DIFFERENT DIFFUSER LAYOUT THAN ORIGINAL DRAWINGS. THIS NEW LAYOUT BRINGS UNIT TOTAL DOWN TO 875 CFM.

Written By: Bayley Morvant on 06/09/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

**Diffuser Supply (GRD)**

**FCU-4-2.4/NGLS 428 (NE EXTERIOR)**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	428	EL6	6	100	120	109	109.0
SGRD2	428	EL8	8	250	162	228	91.2
SGRD3	428	EL8	8	275	163	248	90.2
SGRD4	428	EL8	8	250	136	238	95.2
Total				875	581	823	94.06%

**Diffuser Ret/Exh (GRD)**

**FCU-4-2.4/NGLS 428 (NE EXTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	PL22	22X22	805	0	730	802	744	92.4
Total			805		730	802	744	92.42%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-2.5

AREA:NG DEPLOYMENT 432 (NE EXTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY048MA144A
Serial Num	-	51R0311730P914
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Test Data		
	Design	Actual
SFAN CFM	1250	1279
Motor Speed SetPt	-	HIGH
RL Voltage	208	212
RL Amperage	3.09	2.5
RA CFM	1100	1143
OA CFM	150	136

Performance Data		
	Design	Actual
Suction ESP	-	-0.24
Discharge ESP	-	0.30
Total ESP	0.6	0.54

Completed By: Bayley Morvant on 06/09/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-2.5/NG DEPLOYMENT 432 (NE EXTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	432	EL6	6	100	71	96	96.0
SGRD2	432	EL6	6	100	65	97	97.0
SGRD3	432	EL6	6	100	67	107	107.0
SGRD4	432	EL6	6	100	74	92	92.0
SGRD5	432	EL6	6	100	76	96	96.0
SGRD6	432	EL8	8	250	245	266	106.4
SGRD7	432	EL8	8	250	198	267	106.8
SGRD8	432	EL8	8	250	184	258	103.2
Total				1250	980	1279	102.32%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-2.6

AREA: OPEN OFFICE 409 (SW EXTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY048MA144A
Serial Num	-	52R0318130P914
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Test Data		
	Design	Actual
SFAN CFM	1300	1309
Motor Speed SetPt	-	HIGH
RL Voltage	208	209
RL Amperage	3.09	2.4
RA CFM	1240	1269
OA CFM	60	55

Performance Data		
	Design	Actual
Suction ESP	-	-0.10
Discharge ESP	-	0.32
Total ESP	0.6	0.42

Completed By: Bayley Morvant on 07/30/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-2.6/OPEN OFFICE 409 (SW EXTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	409	ES10	10	325	319	339	104.3
SGRD2	409	ES10	10	325	179	315	96.9
SGRD3	409	ES10	10	325	133	300	92.3
SGRD4	409	ES10	10	325	153	355	109.2
Total				1300	784	1309	100.69%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-3.1

AREA:MDF 412 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY048MA144A
Serial Num	-	51R0311830P914
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Test Data		
	Design	Actual
SFAN CFM	1350	1244
Motor Speed SetPt	-	HIGH
RL Voltage	208	212
RL Amperage	3.09	2.7
RA CFM	1350	1244
OA CFM	0	0

Performance Data		
	Design	Actual
Suction ESP	-	-0.29
Discharge ESP	-	0.16
Total ESP	-	0.45

Completed By: Bayley Morvant on 06/11/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-3.1/MDF 412 (INTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	412	GS12/12	12X12	450	307	410	91.1
SGRD2	412	GS12/12	12X12	450	312	419	93.1
SGRD3	412	GS12/12	12X12	450	320	415	92.2
Total				1350	939	1244	92.15%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-3.2

AREA:XL CONFERENCE 408 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY024MA144A
Serial Num	-	34R0333930P90Z
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.162
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	2.03

Test Data		
	Design	Actual
SFAN CFM	850	787
Motor Speed SetPt	-	HIGH
RL Voltage	208	210
RL Amperage	2.03	1.2
RA CFM	705	644
OA CFM	145	143

Performance Data		
	Design	Actual
Suction ESP	-	-0.26
Discharge ESP	-	[1]
Total ESP	-	0.26

Completed By: Bayley Morvant on 07/30/2025

Notes:  
[1] UNABLE TO GET DISCHARGE STATIC PRESSURE DUE TO SHEET ROCK CEILING.

Written By: Bayley Morvant on 07/30/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-3.2/XL CONFERENCE 408 (INTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	408	HS6	6	85	33	80	94.1
SGRD2	408	HS6	6	85	39	77	90.6
SGRD3	408	HS6	6	85	59	78	91.8
SGRD4	408	HS6	6	85	50	80	94.1
SGRD5	408	HS6	6	85	65	77	90.6
SGRD6	408	HS6	6	85	34	79	92.9
SGRD7	408	HS6	6	85	34	78	91.8
SGRD8	408	HS6	6	85	46	80	94.1
SGRD9	408	HS6	6	85	48	80	94.1
SGRD10	408	HS6	6	85	46	78	91.8
Total				850	454	787	92.59%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-3.3

AREA: OPEN OFFICE 409 (SW EXTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY054MA144A
Serial Num	-	49R0164330P915
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Test Data		
	Design	Actual
SFAN CFM	1400	1371
Motor Speed SetPt	-	HIGH
RL Voltage	208	212
RL Amperage	3.09	212
RA CFM	1320	1287
OA CFM	80	84

Performance Data		
	Design	Actual
Suction ESP	-	-0.11
Discharge ESP	-	0.29
Total ESP	-	0.40

Completed By: Bayley Morvant on 06/10/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-3.3/OPEN OFFICE 409 (SW EXTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	409	ES10	10	350	412	354	101.1
SGRD2	409	ES10	10	350	271	340	97.1
SGRD3	409	ES10	10	350	201	348	99.4
SGRD4	409	ES10	10	350	251	329	94.0
Total				1400	1135	1371	97.93%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-3.4

AREA: ROOM 403-406 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY030MA145A
Serial Num	-	48R0031530P30F
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.01

Test Data		
	Design	Actual
SFAN CFM	1115	1094
Motor Speed SetPt	-	MED-HIGH
RL Voltage	208	211
RL Amperage	3.01	1.8
RA CFM	940	926
OA CFM	175	168

Performance Data		
	Design	Actual
Suction ESP	-	-0.24
Discharge ESP	-	0.18
Total ESP	-	0.42

Completed By: Bayley Morvant on 06/11/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-3.4/ROOM 403-406 (INTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	407	GS12/6	10X6	65	199	71	109.2
SGRD2	404	HS6	6	125	47	118	94.4
SGRD3	405	EL6	6	125	100	118	94.4
SGRD4	403	EL6	6	100	63	91	91.0
SGRD5	406	EL10	10	350	251	336	96.0
SGRD6	406	EL10	10	350	262	360	102.9
Total				1115	922	1094	98.12%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-3.5

AREA:RECEPTION 401, LOCK. 402 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY015MA144A
Serial Num	-	31R0161330P90X
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.162
Phase	1	12
Voltage (rated)	208	08
Amperage (rated)	-	1.24

Test Data		
	Design	Actual
SFAN CFM	480	472
Motor Speed SetPt	-	MED-LOW
RL Voltage	208	211
RL Amperage	1.24	0.7
RA CFM	380	380
OA CFM	100	92

Performance Data		
	Design	Actual
Suction ESP	-	[1]
Discharge ESP	-	[1]
Total ESP	-	[1]

Completed By: Bayley Morvant on 06/11/2025

Notes:

[1] NO ACCESS TO RETURN OR SUPPLY DUCT FOR STATIC PRESSURE DUE TO SHEET ROCK CEILING.

Written By: Bayley Morvant on 06/11/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

**Diffuser Supply (GRD)**

**FCU-4-3.5/RECEPTION 401, LOCK. 402 (INTERIOR)**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	402	GW10/6	10X6	40	41	41	102.5
SGRD2	401	HS6	6	55	55	55	100.0
SGRD3	401	HS6	6	55	57	57	103.6
SGRD4	401	HS6	6	55	56	56	101.8
SGRD5	401	HS6	6	55	51	51	92.7
SGRD6	401	HS6	6	55	55	55	100.0
SGRD7	401	HS6	6	55	50	50	90.9
SGRD8	401	HS6	6	55	51	51	92.7
SGRD9	401	HS6	6	55	56	56	101.8
Total				480	472	472	98.33%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-3.6

AREA:LEGAL OFFICE 434 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFYP018MA145A
Serial Num	-	4ZR0119830P30E
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.162
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	2.03

Test Data		
	Design	Actual
SFAN CFM	650	609
Motor Speed SetPt	-	MED-HIGH
RL Voltage	208	210
RL Amperage	2.03	0.9
RA CFM	580	533
OA CFM	70	76

Performance Data		
	Design	Actual
Suction ESP	-	-0.16
Discharge ESP	-	0.32
Total ESP	-	0.48

Completed By: Bayley Morvant on 06/11/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

**Diffuser Supply (GRD)**

**FCU-4-3.6/LEGAL OFFICE 434 (INTERIOR)**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	437	EL8	8	325	234	310	95.4
SGRD2	437	EL8	8	325	224	299	92.0
Total				650	458	609	93.69%

**Diffuser Ret/Exh (GRD)**

**FCU-4-3.6/LEGAL OFFICE 434 (INTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	PL22	22X22	580	0	533	533	533	91.9
Total			580		533	533	533	91.9%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-3.7

AREA:MEETING ROOM 435 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFYP018MA145A
Serial Num	-	4ZR0120930P30E
Configuration	CEILING (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.162
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	2.03

Test Data		
	Design	Actual
SFAN CFM	650	610
Motor Speed SetPt	-	HIGH
RL Voltage	208	211
RL Amperage	2.03	1.1
RA CFM	500	474
OA CFM	150	136

Performance Data		
	Design	Actual
Suction ESP	-	-0.19
Discharge ESP	-	0.45
Total ESP	-	0.64

Completed By: Bayley Morvant on 06/11/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

**Diffuser Supply (GRD)**

**FCU-4-3.7/MEETING ROOM 435 (INTERIOR)**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	435	EL8	8	325	250	316	97.2
SGRD2	435	EL8	8	325	205	294	90.5
Total				650	455	610	93.85%

**Diffuser Ret/Exh (GRD)**

**FCU-4-3.7/MEETING ROOM 435 (INTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	PL22	22X22	500	0	474	474	474	94.8
Total			500		474	474	474	94.8%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-3.8

AREA: OPEN OFFICE 437 (NE EXTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY048MA144A
Serial Num	-	52R0319730P914
Configuration	-	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Test Data		
	Design	Actual
SFAN CFM	1290	1261
Motor Speed SetPt	-	MEDIUM
RL Voltage	208	210
RL Amperage	3.09	1.7
RA CFM	1115	1099
OA CFM	175	162

Performance Data		
	Design	Actual
Suction ESP	-	-0.16
Discharge ESP	-	0.07
Total ESP	-	0.23

Completed By: Bayley Morvant on 06/09/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

**Diffuser Supply (GRD)**

**FCU-4-3.8/OPEN OFFICE 437 (NE EXTERIOR)**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	437	ES10	10	215	185	211	98.1
SGRD2	437	ES10	10	215	168	233	108.4
SGRD3	437	ES10	10	215	185	205	95.3
SGRD4	437	ES10	10	215	30	196	91.2
SGRD5	437	ES10	10	215	30	215	100.0
SGRD6	437	ES10	10	215	150	201	93.5
Total				1290	748	1261	97.75%

**Diffuser Ret/Exh (GRD)**

**FCU-4-3.8/OPEN OFFICE 437 (NE EXTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	WIRE MESH	30X12	1115	0	1099	1099	1099	98.6
Total			1115		1099	1099	1099	98.57%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-4.1

AREA: OPEN OFFICE 436-437 (NE EXTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY048MA144A
Serial Num	-	52R0319630P914
Configuration	CEILING- CONCEALED (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Test Data		
	Design	Actual
SFAN CFM	1300	1320
Motor Speed SetPt	-	MED-LOW
RL Voltage	208	211
RL Amperage	3.09	1.6
RA CFM	1140	1164
OA CFM	160	156

Performance Data		
	Design	Actual
Suction ESP	-	-0.09
Discharge ESP	-	0.05
Total ESP	0.6	0.14

Completed By: Bayley Morvant on 06/09/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-4.1/OPEN OFFICE 436-437 (NE EXTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	437	ES10	10	260	272	272	104.6
SGRD2	437	ES10	10	260	253	253	97.3
SGRD3	437	ES10	10	260	268	268	103.1
SGRD4	437	ES10	10	260	253	253	97.3
SGRD5	437	ES10	10	260	274	274	105.4
Total				1300	1320	1320	101.54%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-4.2

AREA: ECO WORK CAFE 479,438 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY030MA145A
Serial Num	-	48R0031630P30F
Configuration	CEILING- CONCEALED (DUCTED)	FCU

Test Data		
	Design	Actual
SFAN CFM	1200	1245
Motor Speed SetPt	-	MED-LOW
RL Voltage	208	211
RL Amperage	3.01	1.4
RA CFM	955	993
OA CFM	245	252

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.01

Performance Data		
	Design	Actual
Suction ESP	-	-0.09
Discharge ESP	-	0.10
Total ESP	0.6	0.19

Completed By: Bayley Morvant on 06/12/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

**Diffuser Supply (GRD)**

**FCU-4-4.2/ECO WORK CAFE 479,438 (INTERIOR)**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	438	GS12/6	10X6	250	276	276	110.4
SGRD2	438	GS12/6	10X6	300	327	327	109.0
SGRD3	438	HS6	6	50	52	52	104.0
SGRD4	438	GS12/6	10X6	300	298	298	99.3
SGRD5	438	GS12/6	10X6	300	292	292	97.3
Total				1200	1245	1245	103.75%

**Diffuser Ret/Exh (GRD)**

**FCU-4-4.2/ECO WORK CAFE 479,438 (INTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	NW28/12	28X12	955	0	993	993	993	104.0
Total			955		993	993	993	103.98%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-4.3

AREA: ECO WORK CAFE 479, PANTRY 478 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY054MA144A
Serial Num	-	49R0163430P915
Configuration	CEILING- CONCEALED (DUCTED)	FCU

Test Data		
	Design	Actual
SFAN CFM	1300	1377
Motor Speed SetPt	-	MED-LOW
RL Voltage	208	210
RL Amperage	3.5	1.7
RA CFM	925	967
OA CFM	375	410

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Performance Data		
	Design	Actual
Suction ESP	-	-0.13
Discharge ESP	-	0.09
Total ESP	0.6	0.22

Completed By: Bayley Morvant on 06/12/2025

Notes:

DESIGN RETURN DIFFUSER CFM DID NOT ALLOW FOR DESIGN OUTSIDE AIR. RETURN DIFFUSER DESIGNS WERE ADJUSTED TO LOWER CFM TO ALLOW FOR DESIGN OUTSIDE AIR.

Written By: Bayley Morvant on 06/12/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

**Diffuser Supply (GRD)**

**FCU-4-4.3/ECO WORK CAFE 479, PANTRY 478 (INTERIOR)**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	479	GS12/6	10X6	240	258	258	107.5
SGRD2	479	GS12/6	10X6	240	248	248	103.3
SGRD3	479	GS12/6	10X6	240	262	262	109.2
SGRD4	478	HS6	6	50	51	51	102.0
SGRD5	479	GS12/6	10X6	240	244	244	101.7
SGRD6	478	HS6	6	50	55	55	110.0
SGRD7	479	GS12/6	10X6	240	259	259	107.9
Total				1300	1377	1377	105.92%

**Diffuser Ret/Exh (GRD)**

**FCU-4-4.3/ECO WORK CAFE 479, PANTRY 478 (INTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	PL10	22X10	250	0	244	244	244	97.6
EGRD2	NW28/12	28X12	675	0	723	723	723	107.1
Total			925		967	967	967	104.54%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-4.4

AREA: OPEN OFFICE 472 (SW EXTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY054MA144A
Serial Num	-	49R0164130P915
Configuration	CEILING- CONCEALED (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Test Data		
	Design	Actual
SFAN CFM	1400	1345
Motor Speed SetPt	-	HIGH
RL Voltage	208	208
RL Amperage	3.5	2.5
RA CFM	1285	1274
OA CFM	75	71

Performance Data		
	Design	Actual
Suction ESP	-	-0.07
Discharge ESP	-	0.38
Total ESP	0.6	0.45

Completed By: Bayley Morvant on 07/30/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-4.4/OPEN OFFICE 472 (SW EXTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	472	ES10	10	350	427	338	96.6
SGRD2	472	ES10	10	350	220	329	94.0
SGRD3	472	ES10	10	350	170	325	92.9
SGRD4	472	ES10	10	350	170	353	100.9
Total				1400	987	1345	96.07%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-4.5

AREA:MEETING ROOM 474 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFYP018MA145A
Serial Num	-	4ZR0120530P30E
Configuration	CEILING- CONCEALED (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.162
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	2.03

Test Data		
	Design	Actual
SFAN CFM	600	583
Motor Speed SetPt	-	MEDIUM
RL Voltage	208	211
RL Amperage	2.03	0.8
RA CFM	475	460
OA CFM	125	123

Performance Data		
	Design	Actual
Suction ESP	-	-0.09
Discharge ESP	-	0.27
Total ESP	0.6	0.36

Completed By: Bayley Morvant on 06/12/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

**Diffuser Supply (GRD)**

**FCU-4-4.5/MEETING ROOM 474 (INTERIOR)**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	474	EL8	8	300	233	288	96.0
SGRD2	474	EL8	8	300	230	295	98.3
Total				600	463	583	97.17%

**Diffuser Ret/Exh (GRD)**

**FCU-4-4.5/MEETING ROOM 474 (INTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	WIRE MESH	22X8	475	0	460	460	460	96.8
Total			475		460	460	460	96.84%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-4.6

AREA: ROOM 460, 467-468, 476 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFYP018MA145A
Serial Num	-	4ZR0119930P30E
Configuration	CEILING- CONCEALED (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.162
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	2.03

Test Data		
	Design	Actual
SFAN CFM	725	717
Motor Speed SetPt	-	MED-HIGH
RL Voltage	208	212
RL Amperage	2.03	1.2
RA CFM	570	549
OA CFM	155	168

Performance Data		
	Design	Actual
Suction ESP	-	-0.14
Discharge ESP	-	0.28
Total ESP	0.6	0.42

Completed By: Bayley Morvant on 06/17/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-4.6/ROOM 460, 467-468, 476 (INTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	467	EL6	6	75	139	79	105.3
SGRD2	468	EL6	6	50	85	49	98.0
SGRD3	460	ES6	6	100	102	102	102.0
SGRD4		EL10	10	400	259	382	95.5
SGRD5	476	EL6	6	100	105	105	105.0
Total				725	690	717	98.9%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-4.7

AREA:MEETING ROOM 440 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY015MA144A
Serial Num	-	4XR0379930P90X
Configuration	CEILING- CONCEALED (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.162
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	1.24

Test Data		
	Design	Actual
SFAN CFM	475	470
Motor Speed SetPt	-	MED-HIGH
RL Voltage	208	212
RL Amperage	1.24	0.7
RA CFM	410	400
OA CFM	65	70

Performance Data		
	Design	Actual
Suction ESP	-	-0.13
Discharge ESP	-	0.23
Total ESP	0.6	0.36

Completed By: Bayley Morvant on 06/16/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

**Diffuser Supply (GRD)**

**FCU-4-4.7/MEETING ROOM 440 (INTERIOR)**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	440	EL8	8	200	172	209	104.5
SGRD2	440	EL8	8	275	205	261	94.9
Total				475	377	470	98.95%

**Diffuser Ret/Exh (GRD)**

**FCU-4-4.7/MEETING ROOM 440 (INTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	PL10	10	410	0	400	400	400	97.6
Total			410		400	400	400	97.56%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-4.8

AREA:WORK ROOM 438, 469 (INTERIOR)

Unit Data		
	Design	Actual
<b>MFG</b>	NA	MITSUBISHI
<b>Model Num</b>	NA	TPEFY015MA144A
<b>Serial Num</b>	-	4XR0380330P90X
<b>Configuration</b>	CEILING- CONCEALED (DUCTED)	FCU

Test Data		
	Design	Actual
<b>SFAN CFM</b>	370	377
<b>Motor Speed SetPt</b>	-	MED-HIGH
<b>RL Voltage</b>	208	211
<b>RL Amperage</b>	1.24	0.6
<b>RA CFM</b>	290	289
<b>OA CFM</b>	80	88

Motor Data		
	Design	Actual
<b>Horsepower</b>	-	0.162
<b>Phase</b>	1	12
<b>Voltage (rated)</b>	208	08
<b>Amperage (rated)</b>	-	1.24

Performance Data		
	Design	Actual
<b>Suction ESP</b>	-	-0.06
<b>Discharge ESP</b>	-	0.08
<b>Total ESP</b>	0.6	0.14

Completed By: Bayley Morvant on 05/21/2025

**Notes:**

RETURN DIFFUSERS DESIGNS WERE ADJUSTED TO 145 CFM EACH TO ALLOW FOR 80 CFM OF OUTSIDE AIR PER DESIGN.

Written By: Bayley Morvant on 05/21/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

**Diffuser Supply (GRD)**

**FCU-4-4.8/WORK ROOM 438, 469 (INTERIOR)**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	469	EL6	6	185	147	190	102.7
SGRD2	439	EL6	6	185	130	187	101.1
Total				370	277	377	101.89%

**Diffuser Ret/Exh (GRD)**

**FCU-4-4.8/WORK ROOM 438, 469 (INTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	PL10	22X10	145	0	120	143	143	98.6
EGRD2	PL10	22X10	145	0	132	146	146	100.7
Total			290		252	289	289	99.66%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-4.9

AREA: OPEN OFFICE 436,441 (NE EXTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY048MA144A
Serial Num	-	52R0324130P914
Configuration	CEILING- CONCEALED (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Test Data		
	Design	Actual
SFAN CFM	1300	1296
Motor Speed SetPt	-	MED-LOW
RL Voltage	208	211
RL Amperage	3.09	1.7
RA CFM	1150	1141
OA CFM	150	155

Performance Data		
	Design	Actual
Suction ESP	-	-0.11
Discharge ESP	-	0.08
Total ESP	0.6	0.19

Completed By: Bayley Morvant on 06/16/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-4.9/OPEN OFFICE 436,441 (NE EXTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	436	ES10	10	260	336	245	94.2
SGRD2	436	ES10	10	260	287	263	101.2
SGRD3	436	ES10	10	260	180	257	98.8
SGRD4	436	ES10	10	260	230	263	101.2
SGRD5	436	ES10	10	260	287	268	103.1
Total				1300	1320	1296	99.69%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-5.1

AREA:MEETING ROOM 473 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFYP018MA145A
Serial Num	-	4ZR0120430P30E
Configuration	CEILING- CONCEALED (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.162
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	2.03

Test Data		
	Design	Actual
SFAN CFM	500	486
Motor Speed SetPt	-	MED-HIGH
RL Voltage	208	210
RL Amperage	2.03	0.8
RA CFM	415	399
OA CFM	85	87

Performance Data		
	Design	Actual
Suction ESP	-	-0.11
Discharge ESP	-	0.25
Total ESP	0.6	0.36

Completed By: Bayley Morvant on 05/15/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-5.1/MEETING ROOM 473 (INTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	473	EL8	8	250	172	240	96.0
SGRD2	473	EL8	8	250	233	246	98.4
Total				500	405	486	97.2%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-5.2

AREA:HUDDLE 466, 470-471 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY015MA144A
Serial Num	-	4XR0380030P90X
Configuration	CEILING- CONCEALED (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.162
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	1.24

Test Data		
	Design	Actual
SFAN CFM	375	359
Motor Speed SetPt	-	MEDIUM
RL Voltage	208	212
RL Amperage	1.24	0.5
RA CFM	320	306
OA CFM	55	53

Performance Data		
	Design	Actual
Suction ESP	-	-0.10
Discharge ESP	-	0.20
Total ESP	0.6	0.30

Completed By: Bayley Morvant on 06/12/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-5.2/HUDDLE 466, 470-471 (INTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	466	EL6	6	125	113	123	98.4
SGRD2	470	EL6	6	125	126	122	97.6
SGRD3	471	HS6	6	125	44	114	91.2
Total				375	283	359	95.73%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-5.3

AREA: OPEN OFFICE 465, 472 (SW EXTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY054MA144A
Serial Num	-	49R0163830P915
Configuration	CEILING- CONCEALED (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Test Data		
	Design	Actual
SFAN CFM	1400	1270
Motor Speed SetPt	-	HIGH
RL Voltage	208	209
RL Amperage	3.5	2.6
RA CFM	1330	1196
OA CFM	70	74

Performance Data		
	Design	Actual
Suction ESP	-	-0.14
Discharge ESP	-	0.28
Total ESP	0.6	0.42

Completed By: Bayley Morvant on 05/15/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-5.3/OPEN OFFICE 465, 472 (SW EXTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	465	ES10	10	350	343	315	90.0
SGRD2	465	ES10	10	350	366	317	90.6
SGRD3	465	ES10	10	350	154	318	90.9
SGRD4	465	ES10	10	350	182	320	91.4
Total				1400	1045	1270	90.71%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-5.4

AREA: OPEN OFFICE 465 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY048MA144A
Serial Num	-	52R0318230P914
Configuration	CEILING- CONCEALED (DUCTED)	FCU

Test Data		
	Design	Actual
SFAN CFM	1200	1234
Motor Speed SetPt	-	MED-LOW
RL Voltage	208	211
RL Amperage	3.09	1.6
RA CFM	970	1021
OA CFM	230	213

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Performance Data		
	Design	Actual
Suction ESP	-	[1]
Discharge ESP	-	[1]
Total ESP	0.6	[1]

Completed By: Bayley Morvant on 06/16/2025

Notes:

[1] NO ACCESS TO DISCHARGE OR RETURN DUCT FOR STATIC PRESSURE DUE TO SHEET ROCK CEILING.

Written By: Bayley Morvant on 06/16/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

**Diffuser Supply (GRD)**

**FCU-4-5.4/OPEN OFFICE 465 (INTERIOR)**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	465	GS12/8	12X8	400	394	394	98.5
SGRD2	465	GS12/8	12X8	400	428	428	107.0
SGRD3	465	GS12/8	12X8	400	412	412	103.0
Total				1200	1234	1234	102.83%

**Diffuser Ret/Exh (GRD)**

**FCU-4-5.4/OPEN OFFICE 465 (INTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	WIRE MESH	30X14	970	0	1021	1021	1021	105.3
Total			970		1021	1021	1021	105.26%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-5.5

AREA: OPEN OFFICE 465 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY024MA144A
Serial Num	-	51R0645030P90Z
Configuration	CEILING- CONCEALED (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.162
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	2.03

Test Data		
	Design	Actual
SFAN CFM	880	837
Motor Speed SetPt	-	MED-HIGH
RL Voltage	208	210
RL Amperage	2.03	1.4
RA CFM	725	696
OA CFM	155	141

Performance Data		
	Design	Actual
Suction ESP	-	-0.13
Discharge ESP	-	0.07
Total ESP	0.6	0.20

Completed By: Bayley Morvant on 06/17/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-5.5/OPEN OFFICE 465 (INTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	465	GS12/6	10X6	200	189	189	94.5
SGRD2	465	GS12/6	10X6	200	195	195	97.5
SGRD3	465	GS12/6	10X6	240	225	225	93.8
SGRD4	465	GS12/6	10X6 0.64	240	228	228	95.0
Total				880	837	837	95.11%

Completed By: Bayley Morvant on 06/17/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-5.6

AREA: OPEN OFFICE 441, 465 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY030MA144A
Serial Num	-	31R0128230P912
Configuration	CEILING- CONCEALED (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.162
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	2.03

Test Data		
	Design	Actual
SFAN CFM	900	978
Motor Speed SetPt	-	MED-HIGH
RL Voltage	208	210
RL Amperage	2.03	1.6
RA CFM	780	848
OA CFM	120	130

Performance Data		
	Design	Actual
Suction ESP	-	-0.10
Discharge ESP	-	0.12
Total ESP	0.6	0.22

Completed By: Bayley Morvant on 06/16/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-5.6/OPEN OFFICE 441, 465 (INTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	441	GS12/6	10X6	300	241	330	110.0
SGRD2	441	GS12/6	10X6	300	235	322	107.3
SGRD3	441	GS12/6	10X6	300	238	326	108.7
Total				900	714	978	108.67%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-5.7

AREA: OPEN OFFICE 441, 442 (NE EXTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFYP054MA144A
Serial Num	-	49R0164230P915
Configuration	CEILING- CONCEALED (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Test Data		
	Design	Actual
SFAN CFM	1300	1255
Motor Speed SetPt	-	MED-LOW
RL Voltage	208	211
RL Amperage	3.09	1.6
RA CFM	1170	1120
OA CFM	130	135

Performance Data		
	Design	Actual
Suction ESP	-	-0.08
Discharge ESP	-	0.07
Total ESP	0.6	0.15

Completed By: Bayley Morvant on 05/21/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-5.7/OPEN OFFICE 441, 442 (NE EXTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	441	ES10	10	260	334	245	94.2
SGRD2	441	ES10	10	260	234	256	98.5
SGRD3	441	ES10	10	260	265	259	99.6
SGRD4	441	ES10	10	260	172	239	91.9
SGRD5	441	ES10	10	260	277	256	98.5
Total				1300	1282	1255	96.54%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-5.8

AREA:HUDDLE 443, WORK ROOM 474 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	mitsubishi
Model Num	NA	PEFY-P12NMAU-E4.MX
Serial Num	-	4ZR12001
Configuration	CEILING-CONCEALED (DUCTED)	FCU

Test Data		
	Design	Actual
SFAN CFM	370	394
Motor Speed SetPt	-	MED-LOW
RL Voltage	208	211
RL Amperage	0.89	0.4
RA CFM	300	319
OA CFM	70	75

Motor Data		
	Design	Actual
Horsepower	-	0.114
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	0.89

Performance Data		
	Design	Actual
Suction ESP	-	-0.04
Discharge ESP	-	0.17
Total ESP	0.6	0.21

Completed By: Bayley Morvant on 06/18/2025

Notes:

UNIT IS NOT COOLING PROPERLY. UNIT SET FOR COOL AND SETPOINT IS 67 DEGREES, HOWEVER, UNIT IS PUTTING OUT 77 DEGREES.

Written By: Bayley Morvant on 06/18/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

**Diffuser Supply (GRD)**

**FCU-4-5.8/HUDDLE 443, WORK ROOM 474 (INTERIOR)**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	444	EL8	8	200	207	216	108.0
SGRD2	443	HS8	8	170	207	178	104.7
Total				370	414	394	106.49%

**Diffuser Ret/Exh (GRD)**

**FCU-4-5.8/HUDDLE 443, WORK ROOM 474 (INTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	WIRE MESH	20X10	300	0	319	319	319	106.3
Total			300		319	319	319	106.33%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-5.9

AREA: QUIET ROOM 448 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFYP018MA145A
Serial Num	-	4ZR0117330P30E
Configuration	CEILING- CONCEALED (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.162
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	2.03

Test Data		
	Design	Actual
SFAN CFM	450	455
Motor Speed SetPt	-	MED-LOW
RL Voltage	208	213
RL Amperage	2.3	0.6
RA CFM	390	391
OA CFM	60	64

Performance Data		
	Design	Actual
Suction ESP	-	-0.22
Discharge ESP	-	0.19
Total ESP	0.6	0.41

Completed By: Bayley Morvant on 05/21/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-5.9/QUIET ROOM 448 (INTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	448	EL10	10	450	455	455	101.1
Total				450	455	455	101.11%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-5.10

AREA:HUDDLE 446-447, QUIET ROOM 450, CORRIDOR 451 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	mitsubishi
Model Num	NA	PEFY-P12NMAU-E4.MX
Serial Num	-	4ZR12007
Configuration	CEILING-CONCEALED (DUCTED)	FCU

Test Data		
	Design	Actual
SFAN CFM	350	340
Motor Speed SetPt	-	MED-LOW
RL Voltage	208	210
RL Amperage	0.89	0.4
RA CFM	290	274
OA CFM	60	66

Motor Data		
	Design	Actual
Horsepower	-	0.114
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	0.89

Performance Data		
	Design	Actual
Suction ESP	-	-0.02
Discharge ESP	-	0.19
Total ESP	0.6	0.21

Completed By: Bayley Morvant on 06/17/2025

Notes:

UNIT IS NOT COOLING PROPERLY. UNIT SET FOR COOL AND SETPOINT IS 67 DEGREES, HOWEVER, UNIT IS PUTTING OUT 78 DEGREES.

Written By: Bayley Morvant on 06/18/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-5.10/HUDDLE 446-447, QUIET ROOM 450, CORRIDOR 451 (INTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	447	EL6	6	125	87	119	95.2
SGRD2	446	EL6	6	125	101	118	94.4
SGRD3	450	EL6	6	50	103	50	100.0
SGRD4	451	ES6	6	50	83	53	106.0
Total				350	374	340	97.14%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-5.11

AREA: QUIET ROOM 452,454, MEETING 455, HUDDLE 464 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFYP015MA144A
Serial Num	-	31R0161730P90X
Configuration	CEILING- CONCEALED (DUCTED)	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.162
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	1.24

Test Data		
	Design	Actual
SFAN CFM	405	415
Motor Speed SetPt	-	MED-LOW
RL Voltage	208	212
RL Amperage	1.24	0.5
RA CFM	335	349
OA CFM	70	66

Performance Data		
	Design	Actual
Suction ESP	-	-0.05
Discharge ESP	-	0.16
Total ESP	0.6	0.21

Completed By: Bayley Morvant on 06/16/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-5.11/QUIET ROOM 452,454, MEETING 455, HUDDLE 464 (INTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	455	EL8	8	200	182	218	109.0
SGRD2	464	HS6	6	125	74	118	94.4
SGRD3	452	EL6	6	40	86	41	102.5
SGRD4	454	EL6	6	40	90	38	95.0
Total				405	432	415	102.47%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-6.1

AREA: OPEN OFFICE 442, 449 ( NE, SE EXTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFYYP048MA144A
Serial Num	-	52R0324060P914
Configuration	CEILING- CONCE	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Test Data		
	Design	Actual
SFAN CFM	1290	1317
Motor Speed SetPt	-	MED-HIGH
RL Voltage	208	209
RL Amperage	3.09	2.0
RA CFM	1190	1223
OA CFM	100	94

Performance Data		
	Design	Actual
Suction ESP	-	-0.08
Discharge ESP	-	0.15
Total ESP	0.6	0.23

Completed By: Bayley Morvant on 07/30/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-6.1/OPEN OFFICE 442, 449 ( NE,SE EXTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	442	ES10	10	250	366	272	108.8
SGRD2	442	ES10	10	250	246	236	94.4
SGRD3	442	ES10	10	250	331	244	97.6
SGRD4	442	HS8	8	180	136	189	105.0
SGRD5	442	HS8	8	180	129	178	98.9
SGRD6	442	HS8	8	180	56	198	110.0
Total				1290	1264	1317	102.09%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-6.2

AREA: OPEN OFFICE 449 (SE EXTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFYP036MA144A
Serial Num	-	33R0182330P913
Configuration	CEILING- CONCE	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.01

Test Data		
	Design	Actual
SFAN CFM	1260	1353
Motor Speed SetPt	-	HIGH
RL Voltage	208	211
RL Amperage	3.01	2.8
RA CFM	1150	1235
OA CFM	110	118

Performance Data		
	Design	Actual
Suction ESP	-	-0.11
Discharge ESP	-	0.29
Total ESP	0.6	0.40

Completed By: Bayley Morvant on 06/18/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-6.2/OPEN OFFICE 449 (SE EXTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	449	ES10	10 0.72	260	286	286	110.0
SGRD2	449	HS8	8	250	185	269	107.6
SGRD3	449	HS8	8	250	143	244	97.6
SGRD4	449	HS8	8	250	190	277	110.8
SGRD5	449	HS8	8	250	181	277	110.8
Total				1260	985	1353	107.38%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-6.3

AREA: OPEN OFFICE 494 (SE, SW EXTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFYP036MA144A
Serial Num	-	33R0181530P913
Configuration	CEILING- CONCE	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.01

Test Data		
	Design	Actual
SFAN CFM	1250	1186
Motor Speed SetPt	-	HIGH
RL Voltage	208	211
RL Amperage	3.01	2.8
RA CFM	1150	1077
OA CFM	100	109

Performance Data		
	Design	Actual
Suction ESP	-	-0.08
Discharge ESP	-	0.27
Total ESP	0.6	0.35

Completed By: Bayley Morvant on 06/18/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-6.3/OPEN OFFICE 494 (SE, SW EXTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	461	HS8	8	250	183	249	99.6
SGRD2	461	HS8	8	250	167	233	93.2
SGRD3	461	HS8	8	250	182	246	98.4
SGRD4	461	HS8	8	250	102	225	90.0
SGRD5	461	HS8	8	250	175	233	93.2
Total				1250	809	1186	94.88%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-6.4

AREA: OPEN OFFICE 461 (SW EXTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY054MA144A
Serial Num	-	49R0163530P915
Configuration	CEILING- CONCE	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.09

Test Data		
	Design	Actual
SFAN CFM	1400	1270
Motor Speed SetPt	-	HIGH
RL Voltage	208	210
RL Amperage	3.09	2.6
RA CFM	1250	1110
OA CFM	150	161

Performance Data		
	Design	Actual
Suction ESP	-	-0.14
Discharge ESP	-	0.30
Total ESP	0.6	0.44

Completed By: Bayley Morvant on 05/15/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-6.4/OPEN OFFICE 461 (SW EXTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	463	ES10	10	350	346	320	91.4
SGRD2	463	ES10	10	350	341	315	90.0
SGRD3	463	ES10	10	350	166	316	90.3
SGRD4	463	ES10	10	350	185	319	91.1
Total				1400	1038	1270	90.71%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-6.5

AREA:WELLNESS 456,HALL 457, QUIET ROOM 458-459 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY015MA144A
Serial Num	-	31R0159830P90X
Configuration	CEILING- CONCE	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.162
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	1.24

Test Data		
	Design	Actual
SFAN CFM	430	422
Motor Speed SetPt	-	MED-HIGH
RL Voltage	208	211
RL Amperage	1.24	0.7
RA CFM	360	347
OA CFM	70	75

Performance Data		
	Design	Actual
Suction ESP	-	-0.06
Discharge ESP	-	0.30
Total ESP	0.6	0.36

Completed By: Bayley Morvant on 05/15/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-6.5/WELLNESS 456, HALL 457, QUIET ROOM 458-459 (INTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	457	EL6	6	50	109	48	96.0
SGRD2	459	ES6	6	40	86	41	102.5
SGRD3	458	ES6	6	40	76	41	102.5
SGRD4	456	ES6	6	150	83	135	90.0
SGRD5	456	ES6	6	150	108	157	104.7
Total				430	462	422	98.14%



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## System/Unit: Fan Coil

Asset: FCU-4-6.6

AREA:IDF 453 (INTERIOR)

Unit Data		
	Design	Actual
MFG	NA	MITSUBISHI
Model Num	NA	TPEFY030MA145A
Serial Num	-	48R0031730P30F
Configuration	CEILING- CONCE	FCU

Motor Data		
	Design	Actual
Horsepower	-	0.402
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	3.01

Test Data		
	Design	Actual
SFAN CFM	800	789
Motor Speed SetPt	-	MED-LOW
RL Voltage	208	212
RL Amperage	3.01	1.3
RA CFM	800	789
OA CFM	0	0

Performance Data		
	Design	Actual
Suction ESP	-	-0.05
Discharge ESP	-	0.29
Total ESP	0.6	0.34

Completed By: Bayley Morvant on 06/16/2025



# National TAB

Project: CW 3300 - Allstate (Dallas, TX)

## Fan Coil

### Diffuser Supply (GRD)

#### FCU-4-6.6/IDF 453 (INTERIOR)

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	453	GS12/12	12X12	400	371	371	92.8
SGRD2	453	GS12/12	12X12	400	418	418	104.5
Total				800	789	789	98.62%

# National TAB

Project: CW 3300 - Allstate (Dallas, TX)



**Diffuser Ret/Exh (GRD)**

**Exhaust/**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
EX-1-1	415	UC10	6	50	158	54	108.0
Total				50	158	54	108%

Completed By: Bayley Morvant on 07/30/2025

**FCU-4-2.3/NGLS 428 (INTERIOR)**

Asset						
Asset Name	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
EGRD1	PL22	22X22	630	480	555	88.1
Total			630	480	555	88.1%

**FCU-4-2.4/NGLS 428 (NE EXTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	PL22	22X22	805	0	730	802	744	92.4
Total			805		730	802	744	92.42%

**FCU-4-3.6/LEGAL OFFICE 434 (INTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	PL22	22X22	580	0	533	533	533	91.9
Total			580		533	533	533	91.9%

**FCU-4-3.7/MEETING ROOM 435 (INTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	PL22	22X22	500	0	474	474	474	94.8
Total			500		474	474	474	94.8%

**FCU-4-3.8/OPEN OFFICE 437 (NE EXTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	WIRE MESH	30X12	1115	0	1099	1099	1099	98.6
Total			1115		1099	1099	1099	98.57%

**FCU-4-4.2/ECO WORK CAFE 479,438 (INTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	NW28/12	28X12	955	0	993	993	993	104.0
Total			955		993	993	993	103.98%

**FCU-4-4.3/ECO WORK CAFE 479, PANTRY 478 (INTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	PL10	22X10	250	0	244	244	244	97.6
EGRD2	NW28/12	28X12	675	0	723	723	723	107.1
Total			925		967	967	967	104.54%

**FCU-4-4.5/MEETING ROOM 474 (INTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	WIRE MESH	22X8	475	0	460	460	460	96.8
Total			475		460	460	460	96.84%

**FCU-4-4.7/MEETING ROOM 440 (INTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	PL10	10	410	0	400	400	400	97.6
Total			410		400	400	400	97.56%

**FCU-4-4.8/WORK ROOM 438, 469 (INTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	PL10	22X10	145	0	120	143	143	98.6
EGRD2	PL10	22X10	145	0	132	146	146	100.7
Total			290		252	289	289	99.66%

**FCU-4-5.4/OPEN OFFICE 465 (INTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	WIRE MESH	30X14	970	0	1021	1021	1021	105.3
Total			970		1021	1021	1021	105.26%

**FCU-4-5.8/HUDDLE 443, WORK ROOM 474 (INTERIOR)**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	WIRE MESH	20X10	300	0	319	319	319	106.3
Total			300		319	319	319	106.33%