

Report By:

National TAB  
1329 E. KEMPER ROAD  
SUITE 4210  
CINCINNATI, OH 45246



**Report: TAB Report**  
**Function: Test, Adjust, & Balance**  
**Date: 06/05/2024**

# PROJECT

**IBP 6111 - Suite 2200 Dunham (Plano, TX)\_**

6111 W PLANO PKWY

PLANO, TX

Client

Billingsley

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Project: IBP 6111 - Suite 2200 Dunham (Plano, TX)\_

## Table Of Contents

Section	Page #
VAV-Fan Powered Box	3
VAV - Single Duct	9

# National TAB

Project:IBP 6111 - Suite 2200 Dunham (Plano, TX)\_

## VAV-Fan Powered Box



### FPVAV's/

Asset										
Asset Name	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Cool CFM	Min Cool CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
FP28	119	REHEAT	12	1030	1040	206	212	721	731	1.31

Completed By: Bayley Morvant on 02/01/2024

Asset	Notes	Date	Written By
FP28	SERVICE: FPB2-45		

### Diffuser Supply (GRD)

### FP28/120

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
F28-1	119	LD	8	195	180	189	96.9
F28-2	119	LD	8	195	178	206	105.6
F28-3	119	LD	8	195	168	185	94.9
F28-4	119	LD	8	190	173	184	96.8
F28-5	120	LD	8	255	241	276	108.2
Total				1030	940	1040	100.97%

# National TAB

Project:IBP 6111 - Suite 2200 Dunham (Plano, TX)\_

## VAV-Fan Powered Box



### FPVAV's/

Asset	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Cool CFM	Min Cool CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
FP2-3	109	REHEAT	8	430	434	86	85	301	316	1.22

Completed By: Bayley Morvant on 02/01/2024

Asset	Notes	Date	Written By
FP2-3	SERVICE: FPB2-35		

### Diffuser Supply (GRD)

#### FP2-3/109

Asset	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
F23-1	109	LD	8	215	247	210	97.7
F23-2	109	LD	8	215	247	224	104.2
Total				430	494	434	100.93%

# National TAB

Project:IBP 6111 - Suite 2200 Dunham (Plano, TX)\_

## VAV-Fan Powered Box



### FPVAV's/

Asset	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Cool CFM	Min Cool CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
FP2-4	110	REHEAT	10	660	669	132	139	462	455	0.96

Completed By: Bayley Morvant on 02/01/2024

Asset	Notes	Date	Written By
FP2-4	SERVICE: FPB2-39		

### Diffuser Supply (GRD)

#### FP2-4/110

Asset	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
F24-1	110	LD	8	135	125	145	107.4
F24-2	110	LD	8	135	111	144	106.7
F24-3	110	CD	8	120	120	122	101.7
F24-4	110	LD	8	135	129	136	100.7
F24-5	110	LD	8	135	106	122	90.4
Total				660	591	669	101.36%

# National TAB

Project:IBP 6111 - Suite 2200 Dunham (Plano, TX)\_

## VAV-Fan Powered Box



### FPVAV's/

Asset	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Cool CFM	Min Cool CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
FP2-5	111/112	REHEAT	10	985	995	197	211	690	693	1.21

Completed By: Bayley Morvant on 02/02/2024

Asset	Notes	Date	Written By
FP2-5	SERVICE: FPB2-40		

### Diffuser Supply (GRD)

#### FP2-5/112

Asset	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
F25-1	111	LD	8	180	195	188	104.4
F25-2	111	LD	8	180	193	174	96.7
F25-3	111	LD	8	195	200	198	101.5
F25-4	112	LD	8	165	161	168	101.8
F25-5	112	LD	8	165	179	170	103.0
F25-6	112	LD	8	100	76	97	97.0
Total				985	1004	995	101.02%

# National TAB

Project:IBP 6111 - Suite 2200 Dunham (Plano, TX)\_

## VAV-Fan Powered Box



### FPVAV's/

Asset	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Cool CFM	Min Cool CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
FP2-6	113 thru 117	REHEAT	10	990	999	198	206	693	704	1.08

Completed By: Bayley Morvant on 02/02/2024

Asset	Notes	Date	Written By
FP2-6	SERVICE: FPB2-41		

### Diffuser Supply (GRD)

#### FP2-6/117

Asset	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
F26-1	113	LD	8	185	193	196	105.9
F26-2	114	LD	8	185	191	193	104.3
F26-3	115	LD	8	100	87	98	98.0
F26-4	115	LD	8	100	91	97	97.0
F26-5	116	LD	8	210	225	210	100.0
F26-6	117	LD	8	210	251	205	97.6
Total				990	1038	999	100.91%

# National TAB

Project:IBP 6111 - Suite 2200 Dunham (Plano, TX)\_

## VAV-Fan Powered Box



### FPVAV's/

Asset	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Cool CFM	Min Cool CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
FP2-7	118	REHEAT	10	780	777	156	162	546	539	1.27

Completed By: Bayley Morvant on 02/02/2024

Asset	Notes	Date	Written By
FP2-7	SERVICE: FPB2-44		

### Diffuser Supply (GRD)

#### FP2-7/118

Asset	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
F27-1	118	LD	8	195	191	189	96.9
F27-2	118	LD	8	195	200	200	102.6
F27-3	118	LD	8	195	194	190	97.4
F27-4	118	LD	8	195	210	198	101.5
Total				780	795	777	99.62%

# National TAB

Project: IBP 6111 - Suite 2200 Dunham (Plano, TX)\_

## VAV - Single Duct



### VAV's/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV2-1	COOLING	8	520	543	104	99	0	0	1.16

Completed By: Stephan Gabbert on 03/04/2024

Asset	Notes	Date	Written By
VAV2-1	SERVICE: VAV2-32 UNABLE TO ADJUST DIFFUSER #3 DUE TO DAMPER BEING ABOVE SHEET ROCK CEILING.		

### Diffuser Supply (GRD)

#### VAV2-1/102

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
V21-1	100	C	8	80	97	76	95.0
V21-2	102	CD	8	270	226	266	98.5
VAV21-3	102	CD	8	170	178	201	118.2
Total				520	501	543	104.42%

# National TAB

Project:IBP 6111 - Suite 2200 Dunham (Plano, TX)\_

## VAV - Single Duct



### VAV's/

Asset	Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
	VAV2-2	NA	NA	170	0	34	0	0	0	0

Completed By: Stephan Gabbert on 01/31/2024

Asset	Notes	Date	Written By
VAV2-2	VAV NO LONGER IN USE. DIFFUSER WAS RUN OF VAV2-1. SERVICE: VAV2-33		

### Diffuser Supply (GRD)

#### VAV2-2/102

Asset	Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
	V22-1	102	CD	NA	170	0	0	0.0
	Total				170	0	0	0%

# National TAB

Project:IBP 6111 - Suite 2200 Dunham (Plano, TX)\_

## VAV - Single Duct



### VAV's/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV2-3	COOING	8	300	303	60	56	0	0	1.26

Completed By: Stephan Gabbert on 02/01/2024

Asset	Notes	Date	Written By
VAV2-3	SERVICE: VAV2-34		

### Diffuser Supply (GRD)

#### VAV2-3/107

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
V23-1	107	CD	10	300	319	303	101.0
Total				300	319	303	101%

# National TAB

Project:IBP 6111 - Suite 2200 Dunham (Plano, TX)\_

## VAV - Single Duct



### VAV's/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV2-4	COOLING	12	950	910	190	180	0	0	0.97

Completed By: Stephan Gabbert on 02/01/2024

Asset	Notes	Date	Written By
VAV2-4	SERVICE: VAV2-36 DIFFUSER TOTAL EQUALS 950 CFM VAV DESIGN IS 720 CFM. VAV WAS BALANCED USING DIFFUSER TOTAL.		

### Diffuser Supply (GRD)

### VAV2-4/106

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
V24-1	106	C	8	180	95	164	91.1
V24-2	106	C	8	180	167	169	93.9
V24-3	106	C	8	180	142	175	97.2
V24-4	108	CD	8	180	193	182	101.1
V24-5	101	CD	8	50	44	53	106.0
V24-6	106	C	8	180	135	167	92.8
Total				950	776	910	95.79%

# National TAB

Project:IBP 6111 - Suite 2200 Dunham (Plano, TX)\_

## VAV - Single Duct



### VAV's/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV2-5	COOLING	8	710	756	142	146	0	0	1.40

Completed By: Stephan Gabbert on 01/31/2024

Asset	Notes	Date	Written By
VAV2-5	SERVICE: VAV2-37 LAST DIFFUSER DAMPER IS 100% CLOSED.		

### Diffuser Supply (GRD)

#### VAV2-5/103

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
V25-1	104	CD	8	140	193	141	100.7
V25-2	104	CD	8	140	223	131	93.6
V25-3	104	CD	8	140	184	146	104.3
V25-4	103	CD	8	240	185	263	109.6
VAV25-5	105	CD	8	50	248	75	150.0
Total				710	1033	756	106.48%

# National TAB

Project:IBP 6111 - Suite 2200 Dunham (Plano, TX)\_

## VAV - Single Duct



### VAV's/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV2-6	COOLING	8	380	373	76	68	0	0	1.14

Completed By: Stephan Gabbert on 02/02/2024

Asset	Notes	Date	Written By
VAV2-6	SERVICE: VAV2-38		

### Diffuser Supply (GRD)

#### VAV2-6/128

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
V26-1	129	CD	8	130	333	129	99.2
V26-2	128	CD	8	250	300	244	97.6
Total				380	633	373	98.16%

# National TAB

Project:IBP 6111 - Suite 2200 Dunham (Plano, TX)\_

## VAV - Single Duct



### VAV's/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV2-7	COOLING	10	1240	1207	248	244	0	0	0.75

Completed By: Stephan Gabbert on 03/04/2024

Asset	Notes	Date	Written By
VAV2-7	SERVICE: VAV2-42		

### Diffuser Supply (GRD)

#### VAV2-7/128

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
V27-1	127 OFFICE	CD	8	230	230	228	99.1
V27-2	127 OFFICE	CD	8	230	215	231	100.4
V27-3	128 STORAGE	CD	8	70	172	74	105.7
V27-4	128 OFFICE	CD	8	230	214	219	95.2
V27-5	128 OFFICE	CD	8	230	170	228	99.1
V27-6	128 OFFICE	CD	8	250	146	227	90.8
Total				1240	1147	1207	97.34%

# National TAB

Project:IBP 6111 - Suite 2200 Dunham (Plano, TX)\_

## VAV - Single Duct



### VAV's/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV2-8	COOLING	12	985	963	197	194	0	0	1.27

Completed By: Stephan Gabbert on 03/04/2024

### Diffuser Supply (GRD)

### VAV2-8/127

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
V28-1	127	A	8	230	88	208	90.4
V28-2	127	A	8	230	93	210	91.3
V28-3	126	CD	8	80	147	87	108.8
V28-4	123	CD	8	50	83	54	108.0
V28-5	122	A	8	50	60	46	92.0
V28-6	121	A	8	50	70	55	110.0
V28-7	125	CD	8	80	113	81	101.3
V28-8	124	CD	8	50	83	55	110.0
V28-9	119	A	8	165	107	167	101.2
Total				985	844	963	97.77%

# National TAB

Project:IBP 6111 - Suite 2200 Dunham (Plano, TX)\_

## VAV - Single Duct



### VAV's/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV2-9	COOLING	10	920	944	184	201	0	0	0.81

Completed By: Stephan Gabbert on 02/01/2024

### Diffuser Supply (GRD)

### VAV2-9/127

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
V29-1	127	CD	8	230	62	224	97.4
V29-2	127	CD	8	230	223	246	107.0
V29-3	127	A	8	230	235	238	103.5
V29-4	127	A	8	230	245	236	102.6
Total				920	765	944	102.61%