Report By:

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

Report: TAB REPORT

Function: Test, Adjust, & Balance

Date: 05/13/2025

Completed By: National TAB

PROJECT

IBP 6111- 1st floor Argono (Plano, TX)

6111 International Pkwy

Plano , TX 75093

Client

Billingsley

National TAB

Project: IBP 6111- 1st floor Argono (Plano, TX)

Table Of Contents

CERTIFICATION

PROJECT:

The data presented in this report is a record of system measurements and final adjustments that have been obtained in accordance with the current edition of the NEBB *Procedural Standards for Testing, Adjusting, and Balancing of Environmental Systems.* Any variances from design quantities, which exceed NEBB tolerances, are noted in the Test-Adjust-Balance Report Project Summary.

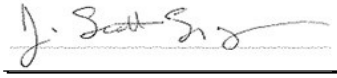
The air distribution system has been tested and balanced and final adjustments have been made in accordance with NEBB standards and the project specifications.

NEBB TAB FIRM:	National TAB-Southeast
REGISTRATION NO:	3755
CERTIFIED BY:	J. Scott Springer 23312
DATE:	5/13/2025

The hydronic distribution system has been tested and balanced and final adjustments have been made in accordance with NEBB standards and the project specifications.

NEBB TAB FIRM:	National TAB-Southeast
REGISTRATION NO:	3755
CERTIFIED BY:	J. Scott Springer 23312
DATE:	

Submitted and Certified by:

NEBB TAB FIRM:	National TAB-Southeast
TAB PROFESSIONAL:	J. Scott Springer
SIGNATURE:	
REGISTRATION NO:	3755 (NTAB) / 23312
CERTIFICATION EXP:	12/31/2025

National TAB

Testing, Adjusting, and Balancing Equipment

Function		Range	Minimum Accuracy	Instrument Information	Calibration Date	Date Due
AIR	AIR PRESSURE	0 in wg to 10 in wg	2% +/- 0.001 in wg	Shortridge ADM-880C S/N M05066	10/15/2024	10/15/2025
	AIR VELOCITY INSTRUMENT	50 fpm to 3900 fpm	+/- 5 % +/- 7 fpm	Shortridge ADM-880C S/N M05066	10/15/2024	10/15/2025
	DIRECT HOOD READING	100 cfm to 2000 cfm	+/- 3 % +/- 7 cfm	Shortridge Flow Hood	10/15/2024	10/15/2025
TEMPERATURE	AIR METER	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - SRH77A S/N 081820093	10/15/2024	10/15/2025
	AIR PROBE	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - PD1388 7-6 S/N 5028	10/15/2024	10/15/2025
	IMMERSION METER	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - SRH77A S/N 081820093	10/15/2024	10/15/2025
	IMMERSION PROBE	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - PD1388 7-6 S/N 1075	10/15/2024	10/15/2025
	CONTACT METER	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - SRH77A S/N 081820093	10/15/2024	10/15/2025
	CONTACT PROBE	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - PD1388 7-6 S/N 4011	10/15/2024	10/15/2025
HUMIDITY	HUMIDITY PROBE	10 % RH to 90 % RH	3% of reading	Cooper ATKINS - SRH77A S/N 090315046	10/15/2024	10/15/2025
ELECTRICAL	VOLTAGE MEASUREMENT	0 VAC to 600 VAC	2 % reading +/- 5 digits	Dwyer CM-1 - S/N 190800099	10/15/2024	10/15/2025
	AMPERAGE MEASUREMENT	0 Amperers to 100 Amperes	2 % reading +/- 5 digits	Dwyer CM-1 - S/N 190800099	10/15/2024	10/15/2025
ROTATION	ROTATION MEASUREMENT	60 rpm to 5000 rpm	2 % reading 2 rpm	Dwyer TAC-L - S/N S1100123	10/15/2024	10/15/2025
HYDRONIC	PRESSURE MEASUREMENT	-30 in Hg to 200 psi	±2% of reading +/- 1 psi	Dwyer 490W-6 - S/N 01L6NK	6/3/2024	6/3/2025
	DIFFERENTIAL PRESSURE MEASUREMENT	0 psi - 80 psi	±2% of reading +/- 1 psi	Dwyer 490W-6 - S/N 01L6NK	6/3/2024	6/3/2025
DALT	DUCT LEAKAGE	-10"- +10" wc	±1% of reading +/- 0.004" wc	Kanomax DALT 6900 S/N: 080439	3/2025	3/1/2026

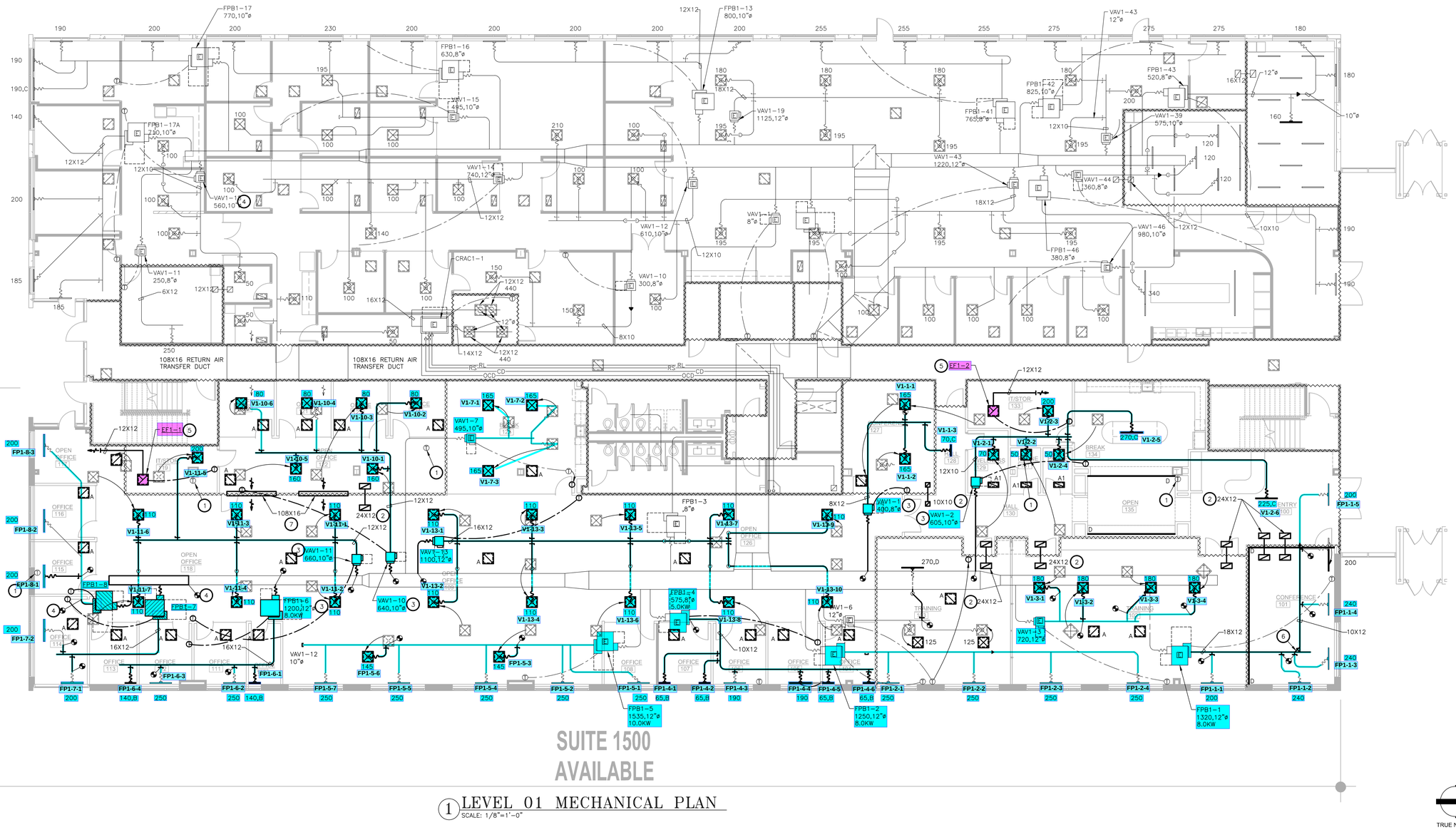
Abbreviation List

A = Area (ft^2)	S.F. = Service Factor
AHU = Air Handling Unit	SF = Supply Fan
A_k = Effective Area	SP = Static Pressure
BHP = Brake Horsepower (IP) HP	SR = Supply Register
Btu = British Thermal Unit	T = Temperature
Btu/h = Btuh = BTUH = BTU/Hour	T_{ma} = Mixed Air Temperature
CL = Center Distance (used in belt formula)	T_{oa} = Outside Air Temperature
CD = Ceiling Diffuser	T_{ra} = Return Air Temperature
CF = Correction Factor	H = Head (in wc, ft wc, psi)
CFM = Volumetric Flow: Cubic Feet Per Minute	h = Enthalpy
CO2 = Carbon Dioxide	HP = Horsepower
CO = Carbon Monoxide	hr = Hour
C_v = Flow Constant	K_v = Flow constant (SI)
d = Diameter (in.) IP	kW = Kilowatt = 1000 Watts
Δ = Difference or Change (Final - Initial)	LAT = Leaving Air Temperature
DB = Dry Bulb	lb = Pounds
EA = Exhaust Air	LWT = Leaving Water Temperature
EAT = Entering Air Temperature	ma = Mixed Air
EF = Exhaust Fan	MIN = Minimum
Eff = Efficiency	MAX = Maximum
EG = Exhaust Grille	N/A = Not Applicable
ESP = External Static Pressure	NA = No Access
EWT = Entering Water Temperature	NL = Not Listed
°F = Degrees Fahrenheit, °F	NPSHA = Net Positive Suction Head Available
FPB = Fan Powered Box	NS = Not Specified
FLA = Full Load Amps	OA = Outside Air
fpm = Feet per Minute (fpm)	OAT = Outside Air Temperature
ft = Foot	PD = Sheave Pitch Diameter
gal = Gallons	P.D. = Pressure Drop
GPM = Gallons Per Minute (GPM)	PF = Power Factor
h = Enthalpy (BTU/lb dry air)	SG = Supply Grille
P = Pressure	SR = Supply Register
ppm = parts per million	TP = Total Pressure
psi = Pounds Per Square Inch	T_{ra} = Return Air Temperature
psid = PSI Differential	TS = Tip Speed (fpm) IP, (m/s) SI
r = Radius (in)	TSP = Total Static Pressure
$\%_{ra}$ = % of Return Air	V = Velocity
RA = Return Air	VAV = Variable Air Volume
RAT = Return Air Temperature	VD = Volume Damper
RF = Return Fan	VFD = Variable Frequency Drive
RG = Return Grille	W = Watt
RH = Relative Humidity	WB = Wet Bulb
RPM = Revolutions Per Minute	wg = wc = water gauge = water column
RTU = Roof Top Unit	WHP = Water Horsepower (IP)
SA = Supply Air	ω = Humidity Ratio

NOTES BY SYMBOL Ⓧ:

1. RELOCATE EXISTING THERMOSTAT TO NEW LOCATION AS SHOWN ON PLAN. CONFIRM THAT THE THERMOSTATS ARE ASSOCIATED WITH THE TERMINAL BOX AS SHOWN ON THE DRAWING BEFORE RELOCATING AND ARE IN WORKING ORDER.
2. PROVIDE ACOUSTICALLY LINED RETURN AIR BOOT THRU WALL TO DECK AS HIGH AS POSSIBLE ABOVE CEILING WITH INLET ELBOW AND OUTLET 90° ELBOW FACING UPWARD. SIZE PER PLANS. REFER TO DETAIL SHEET M0.01 FOR MORE INFORMATION.
3. NEW LOCATION OF TERMINAL BOX, MOUNT BOX FROM STRUCTURE ABOVE. ENSURE BOX CLEARANCES ARE MAINTAINED AT NEW LOCATION. EXTEND NEW MEDIUM AND LOW PRESSURE DUCT AS INDICATED ON DRAWINGS. COORDINATE RELOCATION WITH OTHER TRADES INVOLVED.
4. EXTEND NEW FULL SIZE DUCT SAME SIZE AND MATERIALS TO MATCH EXISTING DUCT. VERIFY SIZE AT JOB SITE PRIOR TO BIDDING.
5. EXHAUST FAN TO BE MOUNTED AT CEILING AND SUSPENDED FROM STRUCTURE WITH ISOLATION SPRINGS. EXTEND EXHAUST DUCT AS INDICATED ON DRAWINGS.
6. EXPANDED TAP. REFER TO DETAIL ON SHEET M0.01.
7. PROVIDE RETURN AIR OPENING HIGH AS POSSIBLE ABOVE SUSPENDED CEILING. ENSURE SIZE OF OPENING MATCHES EXISTING OPENINGS OF RETURN AIR TRANSFER DUCT FROM ADJACENT TENANT ACROSS THE CORRIDOR.

REFER TO SHEET M0.01 FOR GENERAL NOTES, SCHEDULES AND SYMBOLS.



1 LEVEL 01 MECHANICAL PLAN
SCALE: 1/8"=1'-0"

TRUE NORTH

PROJECT COORDINATOR/ DESIGN CONSULTANT

idGROUP
2641 IRVING BLVD.
DALLAS, TEXAS 75207
TEL: 214-638-6800

ARCHITECT/ ENGINEER

Purdy - McGuire
Mechanical - Electrical Engineers
17300 North Dallas Parkway
Suite 3000
Dallas, Texas 75248-1147
Firm Registration # F-1511
Tel: 972/239-5357
Fax: 972/239-5231
www.purdy-mcguire.com

PMI JOB NO. 24079.002
PROJECT MGR. TODD JOHNSON

SEAL

STATE OF TEXAS
TODD M. JOHNSON
86955
LICENSED
PROFESSIONAL ENGINEER
11/13/24

PROJECT NUMBER: 521-015
DRAWN BY: BH
CHECKED BY: KS
R.S.F.: 13,538

BILLINGSLEY COMPANY

INTERNATIONAL BUSINESS PARK
ARGANO

6111 W. PLANO PARKWAY
SUITE # 1500
PLANO, TX 75063

NO.	REVISIONS:	DATE:

CLIENT/LANDLORD ISSUE DATE: 11/13/2024
BID ISSUE DATE: 11/13/2024
PERMIT ISSUE DATE: 11/13/2024

DRAWING TITLE:
LEVEL 01 MECHANICAL PLAN

DRAWING NUMBER:
M2.01

National TAB

Project:IBP 6111- 1st floor Argono (Plano, TX)

VAV - Single Duct

VAVs/

Asset									
Asset Name	**Type**	**Inlet Size**	**Design Max CFM**	**Max CFM**	**Design Min CFM**	**Min CFM**	**Design Heat CFM**	**Heat CFM**	**Ak (max)**
FPB1-1	REHEAT	10	1320	1203	330	323	924	849	0.92

Completed By: Bayley Morvant on 03/25/2025

Asset	Notes	Date	Written By
FPB1-1	SERVICE: FPB4-35	03/25/2025	Bayley Morvant

Diffuser Supply (GRD)

FPB1-1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
FPB1-1-SGRD1	102	LD	10	200	269	185	92.5
FPB1-1-SGRD2	101	LD	10	240	304	219	91.3
FPB1-1-SGRD3	101	LD	10	240	162	220	91.7
FPB1-1-SGRD4	101	LD	10	240	119	218	90.8
FPB1-1-SGRD5	101	LD	10	200	76	180	90.0
FPB1-1-SGRD6	100	LD	10	200	200	181	90.5
Total				1320	1130	1203	91.14%

National TAB

Project:IBP 6111- 1st floor Argono (Plano, TX)

VAV - Single Duct

VAVs/

Asset									
Asset Name	**Type**	**Inlet Size**	**Design Max CFM**	**Max CFM**	**Design Min CFM**	**Min CFM**	**Design Heat CFM**	**Heat CFM**	**Ak (max)**
FPB1-2	REHEAT	10	1000	913	250	240	700	631	0.69

Completed By: Bayley Morvant on 04/03/2025

Asset	Notes	Date	Written By
FPB1-2	SERVICE: FPB4-30	03/25/2025	Bayley Morvant

Diffuser Supply (GRD)

FPB1-2/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
FPB1-2-SGRD1	103	LD	10	250	93	225	90.0
FPB1-2-SGRD2	103	LD	10	250	223	226	90.4
FPB1-2-SGRD3	102	LD	10	250	441	229	91.6
FPB1-2-SGRD4	102	LD	10	250	37	233	93.2
Total				1000	794	913	91.3%

National TAB

Project:IBP 6111- 1st floor Argono (Plano, TX)

VAV - Single Duct

VAVs/

Asset									
Asset Name	**Type**	**Inlet Size**	**Design Max CFM**	**Max CFM**	**Design Min CFM**	**Min CFM**	**Design Heat CFM**	**Heat CFM**	**Ak (max)**
FPB1-4	REHEAT	8	640	634	160	164	448	449	0.81

Completed By: Bayley Morvant on 03/26/2025

Asset	Notes	Date	Written By
FPB1-4	SERVICE: FPB4-29	03/26/2025	Bayley Morvant

Diffuser Supply (GRD)

FPB1-4/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
FPB1-4-SGRD1	107	LD	8	65	70	62	95.4
FPB1-4-SGRD2	107	LD	8	65	88	65	100.0
FPB1-4-SGRD3	106	LD	8	190	107	174	91.6
FPB1-4-SGRD4	105	LD	8	190	175	206	108.4
FPB1-4-SGRD5	104	LD	8	65	80	62	95.4
FPB1-4-SGRD6	104	LD	8	65	87	65	100.0
Total				640	607	634	99.06%

National TAB

Project:IBP 6111- 1st floor Argono (Plano, TX)

VAV - Single Duct

VAVs/

Asset									
Asset Name	**Type**	**Inlet Size**	**Design Max CFM**	**Max CFM**	**Design Min CFM**	**Min CFM**	**Design Heat CFM**	**Heat CFM**	**Ak (max)**
FPB1-5	REHEAT	12	1540	1553	385	379	1078	1078	1.01

Completed By: Bayley Morvant on 04/03/2025

Asset	Notes	Date	Written By
FPB1-5	SERVICE: FPB4-28	04/03/2025	Bayley Morvant

Diffuser Supply (GRD)

FPB1-5/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
FPB1-5-SGRD1	108	LD	10	250	240	240	96.0
FPB1-5-SGRD2	109	LD	10	250	241	258	103.2
FPB1-5-SGRD3	109	CD	10	145	144	157	108.3
FPB1-5-SGRD4	109	LD	10	250	301	242	96.8
FPB1-5-SGRD5	109	LD	10	250	177	276	110.4
FPB1-5-SGRD6	109	CD	10	145	211	144	99.3
FPB1-5-SGRD7	109	LD	10	250	302	236	94.4
Total				1540	1616	1553	100.84%

National TAB

Project:IBP 6111- 1st floor Argono (Plano, TX)

VAV - Single Duct

VAVs/

Asset									
Asset Name	**Type**	**Inlet Size**	**Design Max CFM**	**Max CFM**	**Design Min CFM**	**Min CFM**	**Design Heat CFM**	**Heat CFM**	**Ak (max)**
FPB1-6	REHEAT	10	780	784	195	208	546	563	0.78

Completed By: Bayley Morvant on 03/26/2025

Asset	Notes	Date	Written By
FPB1-6	SERVICE: FPB4-22	03/26/2025	Bayley Morvant

Diffuser Supply (GRD)

FPB1-6/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
FPB1-6-SGRD1	110	LD	8	140	92	150	107.1
FPB1-6-SGRD2	111	LD	8	250	242	262	104.8
FPB1-6-SGRD3	112	LD	8	250	156	240	96.0
FPB1-6-SGRD4	113	LD	8	140	156	132	94.3
Total				780	646	784	100.51%

National TAB

Project:IBP 6111- 1st floor Argono (Plano, TX)

VAV - Single Duct

VAVs/

Asset									
Asset Name	**Type**	**Inlet Size**	**Design Max CFM**	**Max CFM**	**Design Min CFM**	**Min CFM**	**Design Heat CFM**	**Heat CFM**	**Ak (max)**
FPB1-7	REHEAT	10	400	433	100	105	280	305	1.00

Completed By: Bayley Morvant on 03/27/2025

Asset	Notes	Date	Written By
FPB1-7	SERVICE: VAV4-25	03/27/2025	Bayley Morvant

Diffuser Supply (GRD)

FPB1-7/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
FPB1-7-SGRD1	114	LD	10	200	217	217	108.5
FPB1-7-SGRD2	114	LD	10	200	216	216	108.0
Total				400	433	433	108.25%

National TAB

Project:IBP 6111- 1st floor Argono (Plano, TX)

VAV - Single Duct

VAVs/

Asset									
Asset Name	**Type**	**Inlet Size**	**Design Max CFM**	**Max CFM**	**Design Min CFM**	**Min CFM**	**Design Heat CFM**	**Heat CFM**	**Ak (max)**
FPB1-8	REHEAT	8	600	590	150	159	420	410	0.64

Asset	Notes	Date	Written By
FPB1-8	SERVICE: FPB4-26	04/03/2025	Bayley Morvant

Diffuser Supply (GRD)

FPB1-8/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
FPB1-8-SGRD1	115	LD	10	200	142	201	100.5
FPB1-8-SGRD2	116	LD	10	200	120	182	91.0
FPB1-8-SGRD3	117	LD	10	200	139	207	103.5
Total				600	401	590	98.33%

National TAB

Project:IBP 6111- 1st floor Argono (Plano, TX)

VAV - Single Duct

VAVs/

Asset							
Asset Name	**Type**	**Inlet Size**	**Design Max CFM**	**Max CFM**	**Design Min CFM**	**Min CFM**	**Ak (max)**
VAV1-1	COOLING	8	400	387	80	86	0.68

Completed By: Bayley Morvant on 03/26/2025

Asset	Notes	Date	Written By
VAV1-1	SERVICE: VAV4-36	03/25/2025	Bayley Morvant

Diffuser Supply (GRD)

VAV1-1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
VAV1-1-SGRD1	127	CD	8X12	165	241	156	94.5
VAV1-1-SGRD2	127	CD	8X12	165	253	154	93.3
VAV1-1-SGRD3	128	LD	8	70	128	77	110.0
Total				400	622	387	96.75%

National TAB

Project:IBP 6111- 1st floor Argono (Plano, TX)

VAV - Single Duct

VAVs/

Asset							
Asset Name	**Type**	**Inlet Size**	**Design Max CFM**	**Max CFM**	**Design Min CFM**	**Min CFM**	**Ak (max)**
VAV1-2	COOLING	10	865	888	173	176	0.53

Completed By: Bayley Morvant on 03/25/2025

Asset	Notes	Date	Written By
VAV1-2	SERIVICE: VAV4-33	03/25/2025	Bayley Morvant

Diffuser Supply (GRD)

VAV1-2/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
VAV1-2-SGRD1	129	CD	8"	70	48	77	110.0
VAV1-2-SGRD2	131	CD	8"	50	91	54	108.0
VAV1-2-SGRD3	132	CD	8"	50	117	53	106.0
VAV1-2-SGRD4	133	CD	10"	200	125	210	105.0
VAV1-2-SGRD5	134	LD	10"	270	11	285	105.6
VAV1-2-SGRD6	100	LD	10"	225	98	209	92.9
Total				865	490	888	102.66%

National TAB

Project:IBP 6111- 1st floor Argono (Plano, TX)

VAV - Single Duct

VAVs/

Asset							
Asset Name	**Type**	**Inlet Size**	**Design Max CFM**	**Max CFM**	**Design Min CFM**	**Min CFM**	**Ak (max)**
VAV1-3	COOLING	10	720	710	144	137	1.45

Completed By: Bayley Morvant on 03/25/2025

Asset	Notes	Date	Written By
VAV1-3	SERVICE: VAV4-34	03/25/2025	Bayley Morvant

Diffuser Supply (GRD)

VAV1-3/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
VAV1-3-SGRD1	102	CD	8	180	228	162	90.0
VAV1-3-SGRD2	102	CD	8	180	269	180	100.0
VAV1-3-SGRD3	102	CD	8	180	273	190	105.6
VAV1-3-SGRD4	102	CD	8	180	274	178	98.9
Total				720	1044	710	98.61%

National TAB

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VAV - Single Duct

VAVs/

Asset							
Asset Name	**Type**	**Inlet Size**	**Design Max CFM**	**Max CFM**	**Design Min CFM**	**Min CFM**	**Ak (max)**
VAV1-6	COOLING	10	520	513	104	107	0.85

Completed By: Bayley Morvant on 03/27/2025

Asset	Notes	Date	Written By
VAV1-6	SERVICE:4-31	03/27/2025	Bayley Morvant

Diffuser Supply (GRD)

VAV1-6/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
VAV1-6-SGRD1	125	CD	8	125	161	130	104.0
VAV1-6-SGRD2	125	CD	8	125	185	130	104.0
VAV1-6-SGRD3	125	D	10	270	201	253	93.7
Total				520	547	513	98.65%

National TAB

Project:IBP 6111- 1st floor Argono (Plano, TX)

VAV - Single Duct

VAVs/

Asset							
Asset Name	**Type**	**Inlet Size**	**Design Max CFM**	**Max CFM**	**Design Min CFM**	**Min CFM**	**Ak (max)**
VAV1-7	COOLING	8	495	507	99	102	0.76

Completed By: Bayley Morvant on 03/27/2025

Asset	Notes	Date	Written By
VAV1-7	SERVICE: VAV4-27	03/27/2025	Bayley Morvant

Diffuser Supply (GRD)

VAV1-7/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
VAV1-7-SGRD1	BREAK	CD	8	165	138	163	98.8
VAV1-7-SGRD2	BREAK	CD	8	165	133	163	98.8
VAV1-7-SGRD3	BREAK	CD	8	165	159	181	109.7
Total				495	430	507	102.42%

National TAB

Project:IBP 6111- 1st floor Argono (Plano, TX)

VAV - Single Duct

VAVs/

Asset							
Asset Name	**Type**	**Inlet Size**	**Design Max CFM**	**Max CFM**	**Design Min CFM**	**Min CFM**	**Ak (max)**
VAV1-10	COOLING	8	640	634	128	126	0.77

Completed By: Bayley Morvant on 03/25/2025

Asset	Notes	Date	Written By
VAV1-10	SERVICE:VAV4-24	03/24/2025	Bayley Morvant

Diffuser Supply (GRD)

VAV1-10/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
VAV1-10-SGRD1	122	CD	12X12	160	90	149	93.1
VAV1-10-SGRD2	124	CD	12X12	80	59	85	106.3
VAV1-10-SGRD3	123	CD	12X12	80	91	83	103.8
VAV1-10-SGRD4	121	CD	12X12	80	98	88	110.0
VAV1-10-SGRD5	122	CD	12X12	160	96	147	91.9
VAV1-10-SGRD6	120	CD	12X12	80	96	82	102.5
Total				640	530	634	99.06%

National TAB

Project:IBP 6111- 1st floor Argono (Plano, TX)

VAV - Single Duct

VAVs/

Asset							
Asset Name	**Type**	**Inlet Size**	**Design Max CFM**	**Max CFM**	**Design Min CFM**	**Min CFM**	**Ak (max)**
VAV1-11	COOLING	8	860	858	172	165	1.00

Completed By: Bayley Morvant on 03/27/2025

Asset	Notes	Date	Written By
VAV1-11	SERVICE: VAV4-20	03/25/2025	Bayley Morvant

Diffuser Supply (GRD)

VAV1-11/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
VAV1-11-SGRD1	118	CD	8	110	107	107	97.3
VAV1-11-SGRD2	118	CD	8	110	102	102	92.7
VAV1-11-SGRD3	118	CD	8	110	105	105	95.5
VAV1-11-SGRD4	118	CD	8	110	108	108	98.2
VAV1-11-SGRD5	119	CD	10	200	210	210	105.0
VAV1-11-SGRD6	118	CD	8	110	116	116	105.5
VAV1-11-SGRD7	118	CD	8	110	110	110	100.0
Total				860	858	858	99.77%

National TAB

Project:IBP 6111- 1st floor Argono (Plano, TX)

VAV - Single Duct

VAVs/

Asset							
Asset Name	**Type**	**Inlet Size**	**Design Max CFM**	**Max CFM**	**Design Min CFM**	**Min CFM**	**Ak (max)**
VAV1-13	COOLING	10	1100	1055	220	213	0.72

Asset	Notes	Date	Written By
VAV1-13	SERVICE: VAV4-21	03/25/2025	Bayley Morvant

Diffuser Supply (GRD)

VAV1-13/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
VAV1-13-SGRD1	109	CD	16X12	110	54	101	91.8
VAV1-13-SGRD2	109	CD	16X12	110	96	110	100.0
VAV1-13-SGRD3	109	CD	16X12	110	107	109	99.1
VAV1-13-SGRD4	109	CD	16X12	110	87	109	99.1
VAV1-13-SGRD5	109	CD	16X12	110	62	107	97.3
VAV1-13-SGRD6	109	CD	16X12	110	69	102	92.7
VAV1-13-SGRD7	126	CD	16X12	110	83	103	93.6
VAV1-13-SGRD8	126	CD	16X12	110	91	100	90.9
VAV1-13-SGRD9	196	CD	16X12	110	91	108	98.2
VAV1-13-SGRD10	126	CD	16X12	110	37	106	96.4
Total				1100	777	1055	95.91%

National TAB

Project: IBP 6111- 1st floor Argono (Plano, TX)

System/Unit: FAN - Exhaust

Asset: EF1-1 AREA:IT/STORAGE 119

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	SP-A900-QD
Serial Num	-	25168073
Type	CABINENT	CABINET

Motor Data		
	Design	**Actual**
Motor MFG	-	GREENHECK
Frame	-	NA
Horsepower	-	0.16
Motor Rpm	1600	1075
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	3.0
Service Factor	-	NA

Test Data		
	Design	**Actual**
CFM	800	841
RL Voltage	115	120
RL Amperage	3.0	3.1
Discharge ESP	-	0.26
Total ESP	0.25	0.26

Completed By: Bayley Morvant on 04/03/2025

National TAB

Project: IBP 6111- 1st floor Argono (Plano, TX)

System/Unit: FAN - Exhaust

Asset: EF1-2 AREA:133

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	SP-A900-QD
Serial Num	-	25168070
Type	CABINENT	CABINET

Motor Data		
	Design	**Actual**
Motor MFG	-	GREENHECK
Frame	-	NA
Horsepower	-	0.16
Motor Rpm	1600	1075
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	3.0
Service Factor	-	NA

Test Data		
	Design	**Actual**
CFM	800	870
RL Voltage	-	121
RL Amperage	-	3.0
Discharge ESP	-	0.28
Total ESP	0.25	0.28

Completed By: Bayley Morvant on 04/03/2025