

Report By:

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Report: PRELIM REPORT
Function: Test, Adjust, & Balance
Date: 10/07/2025
Completed By: National TAB

PROJECT
IBP 6275 - Horace Mann BP (Plano, TX)

International Business Park

Plano, TX 75093

Client

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

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Project: IBP 6275 - Horace Mann BP (Plano, TX)

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Project: IBP 6275 - Horace Mann BP (Plano, TX)

System/Unit: AHU-DUAL FAN

Asset: RTU-3N 1

AREA:FLOOR 3 NORTH

UNIT DATA - SUPPLY		
	Design	Actual
Manufacturer	NA	TRANE
Model Number	NA	SAHLF7040V45
Serial Number	-	C22A00043
No. Final Filters / Size (1)	-	35 / 16X20X2

MOTOR DATA - SUPPLY	
	Actual
Motor MFG / Frame	BALDOR (X2)
Horsepower / RPM	10 / 1180
Rated Volts / Phase	460 / 3
Rated Amperage / SF	14.3 / 1.15

TEST DATA - SUPPLY		
	Design	Actual
Total CFM	21325	18119
Fan RPM	1366	1520 VFD
VFD Speed	-	76.1 Hz
RL Voltage	460	488/489/487
RL Amperage	14.3 (X2)	27.9 VFD
Motor B.H.P.	18.56	19.51

PERFORMANCE DATA - SUPPLY		
	Design	Actual
Static Pressure Stpt	-	1.87" [1]
Suction S.P.	-	-1.97
Discharge S.P.	-	1.61
Total S.P.	3.496	3.58
Chilled Water Coil P.D.	-	0.78
Final Filters P.D.	-	0.31
Total ESP	-	4.67

Completed By: Bayley Morvant on 10/07/2025

Notes:

UNIT WAS DESIGNED TO HAVE 4,065 CFM OF DIVERSITY. UNIT WAS TESTED AT DESIGN OF 21,325 CFM TO FIND STATIC PRESSURE SETPOINT AND ALL OTHER PERFORMANCE DATA.

OUTSIDE AIR DESIGN: 2745 CFM 2639
OUTSIDE AIR SET TO CFM AT 10% DAMPER POSITION.

[1] UNIT WAS AT MAX AMP DRAW AT 1.87" OF STATIC PRESSURE. UNIT WOULD NEED TO REACH 2.20" OF STATIC PRESSURE TO ACHIEVE DESIGN AIRFLOW.

Written By: Bayley Morvant on 10/07/2025



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Project: IBP 6275 - Horace Mann BP (Plano, TX)

AHU-DUAL FAN

VAV - Single Duct

RTU-3N 1/FLOOR 3 NORTH

Asset											
Asset Name	MFG	Design Service	Service	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV-03N-1	METAL AIRE		VAV-3N-01	8	550	532	110	108			973
VAV-03N-2	METAL AIRE		VAV-3N-02	10	800	780	160	166			1549
VAV-03N-3	METAL AIRE		VAV-3N-3	8	400	393	80	85			930
VAV-03N-4	METAL AIRE		VAV-3N-004	10	610	636	122	130			1358
VAV-03N-5	KRUEGER		VAV-3N-05	8	350	375	70	67			1328
VAV-03N-6	KRUEGER		VAV-3N-06	6	130	139	26	28			450
VAV-03N-7	NAILOR		VAV-3S-07	8	480	494	96	148			956
VAV-03N-23	METAL AIRE		VAV-3N-23	10	920	930	184	180			1960
VAV-03N-24	NAILOR		VAV-3S-24	10	660	683	132	131			963
VAV-03N-25	NAILOR		VAV-3N-25	6	250	231	50	170			435
VAV-03N-26	NAILOR		VAV-3N-26	6	200	209	40	39			455
VAV-03N-27	KRUEGER		VAV-3N-27	12	1200	1193	240	245			2212
VAV-03N-28	NAILOR		VAV-03N-28	6	200	196	40	76			518
VAV-03N-29	METAL AIRE		VAV-3N-29	8	400	391	80	82			988
VAV-03N-30	METAL AIRE		VAV-3N-30	10	720	704	144	143			1652
VAV-03N-31	KRUEGER		VAV-3N-31	12	1200	1181	240	244			2253
VAV-03N-32	METAL AIRE		VAV-03N-32	8	530	530	106	105			938
VAV-03N-33	KRUEGER		VAV-3N-33	12	1200	1249	240	243			2276
VAV-03N-34	METAL AIRE		VAV-3N-34	10	720	743	144	144			1485
VAV-03N-35	METAL AIRE		VAV-3N-35	8	280	273	56	51			989

VAV-Fan Powered Box

RTU-3N 1/FLOOR 3 NORTH

Asset												
Asset Name	MFG	Model Num	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Heat CFM	Min Heat CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
FPB-03-01	NAILOR	D35NE	FPB-3N-01	REHEAT	12	1120	1150	280	275	784	810	1769
FPB-03N-02	NAILOR	D35NE	FPB-3N-02	REHEAT	14	1510	1585	378	383	1057	1118	2726
FPB-03N-03	NAILOR	D35NE	FPB-3N-03	REHEAT	14	1520	1541	380	390	1064	1074	2386
FPB-03N-04	NAILOR	D35NE	FPB-3N-04	REHEAT	12	1140	1163	285	281	798	825	1839
FPB-03N-21	NAILOR	D35NE	FPB-3N-21	REHEAT	10	900	891	225	232	630	638	1336
FPB-03N-22	NAILOR	D35NE	FPB-3N-22	REHEAT	12	1470	1474	368	379	1029	1042	2318
FPB-03N-23	NAILOR	D35NE	FPB-3N-23	REHEAT	12	1470	1451	368	362	1029	1249	2288
FPB-03N-24	NAILOR	D35NE	FPB-3N-24	REHEAT	12	1260	1278	315	308	882	900	2095
FPB-03N-25	NAILOR	D35NE	FPB-3N-25	REHEAT	12	1320	1279	330	321	924	910	2176
FPB-03N-26	NAILOR	D35NE	FPB-3N-26	REHEAT	8	480	488	120	119	336	342	898
FPB-03N-27	NAILOR	D35NE	FPB-3N-27	REHEAT	12	1400	1364	350	352	980	1232	2185

Diffuser Supply (GRD)

FPB-03-01/FLOOR 3 NORTH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	120	C3	8	280	235	281	100.4
SGRD2	120	C3	8	280	266	283	101.1
SGRD3	120	C3	8	280	269	287	102.5
SGRD4	120	C3	8	280	206	299	106.8
Total				1120	976	1150	102.68%

FPB-03N-02/FLOOR 3 NORTH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	120	C3	8	190	174	204	107.4
SGRD2	120	C3	8	280	253	293	104.6
SGRD3	120	C3	8	280	272	310	110.7
SGRD4	120	C3	8	190	172	209	110.0
SGRD5	120	C3	8	190	182	207	108.9
SGRD6	120	C3	8	190	171	185	97.4
SGRD7	120	C3	8	190	186	177	93.2
Total				1510	1410	1585	104.97%

FPB-03N-03/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	120	C3	8	190	170	183	96.3
SGRD2	120	C3	8	190	163	178	93.7
SGRD3	120	C3	8	190	194	210	110.5
SGRD4	120	C3	8	190	190	205	107.9
SGRD5	124	C3	8	190	187	191	100.5
SGRD6	124	C3	8	190	179	191	100.5
SGRD7	124	C3	8	190	178	184	96.8
SGRD8	124	C3	8	190	193	199	104.7
Total				1520	1454	1541	101.38%

FPB-03N-04/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	124	C3	8	190	196	204	107.4
SGRD2	124	C3	8	190	198	196	103.2
SGRD3	124	C3	8	190	183	194	102.1
SGRD4	124	C3	8	190	158	185	97.4
SGRD5	124	C3	8	190	206	191	100.5
SGRD6	124	C3	8	190	207	193	101.6
Total				1140	1148	1163	102.02%

FPB-03N-21/FLOOR 3 SOUTH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	C3	8	210	189	201	95.7
SGRD2	360	C3	8	210	197	209	99.5
SGRD3	365	C3	8	240	223	233	97.1
SGRD4	365	C3	8	240	230	248	103.3
Total				900	839	891	99%

FPB-03N-22/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	C3	8	210	153	225	107.1
SGRD2	360	C3	8	210	154	228	108.6
SGRD3	360	C3	8	210	140	200	95.2
SGRD4	360	C3	8	210	162	218	103.8
SGRD5	360	C3	8	210	150	207	98.6
SGRD6	360	C3	8	210	158	201	95.7
SGRD7	360	C3	8	210	119	195	92.9
Total				1470	1036	1474	100.27%

FPB-03N-23/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	C3	8	210	218	200	95.2
SGRD2	360	C3	8	210	190	216	102.9
SGRD3	360	C3	8	210	236	209	99.5
SGRD4	360	C3	8	210	201	229	109.0
SGRD5	360	C3	8	210	230	201	95.7
SGRD6	360	C3	8	210	238	207	98.6
SGRD7	360	C3	8	210	164	189	90.0
Total				1470	1477	1451	98.71%

FPB-03N-24/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	C3	8	210	136	230	109.5
SGRD2	360	C3	8	210	273	221	105.2
SGRD3	360	C3	8	210	274	201	95.7
SGRD4	360	C3	8	210	239	201	95.7
SGRD5	360	C3	8	210	173	194	92.4
SGRD6	360	C3	8	210	221	231	110.0
Total				1260	1316	1278	101.43%

FPB-03N-25/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	C3	8	220	199	199	90.5
SGRD2	360	C3	8	220	200	200	90.9
SGRD3	360	C3	8	220	229	229	104.1
SGRD4	360	C3	8	220	200	200	90.9
SGRD5	360	C3	8	220	225	225	102.3
SGRD6	360	C3	8	220	226	226	102.7
Total				1320	1279	1279	96.89%

FPB-03N-26/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	350	D3	6X6	120	109	122	101.7
SGRD2	350	D3	6X6	120	110	122	101.7
SGRD3	350	D3	6X6	120	108	121	100.8
SGRD4	350	D3	6X6	120	111	123	102.5
Total				480	438	488	101.67%

FPB-03N-27/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	350	D3	8X8 0.85	200	151	200	100.0
SGRD2	350	D3	8X8	200	150	199	99.5
SGRD3	350	D3	8X8	200	221	201	100.5
SGRD4	350	D3	8X8	200	250	203	101.5
SGRD5	350	D3	8X8	200	196	181	90.5
SGRD6	350	D3	8X8	200	187	191	95.5
SGRD7	350	D3	8X8	200	210	189	94.5
Total				1400	1365	1364	97.43%

VAV-03N-1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	340H	A1	8	100	0	95	95.0
SGRD2	340J	A1	8	100	139	93	93.0
SGRD3	340K	A1	8	100	130	90	90.0
SGRD4	340L	A1	8	100	118	105	105.0
SGRD5	351	A1	8	50	113	51	102.0
SGRD6	340M	A1	8	100	136	98	98.0
Total				550	636	532	96.73%

VAV-03N-2/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	120	A1	8	200	282	184	92.0
SGRD2	C340	A1	8	200	348	207	103.5
SGRD3	120	A1	8	200	349	199	99.5
SGRD4	120	A1	8	200	346	190	95.0
Total				800	1325	780	97.5%

VAV-03N-3/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	355	A1	8	100	114	95	95.0
SGRD2	340F	A1	8	100	98	92	92.0
SGRD3	355	A1	8	100	115	101	101.0
SGRD4	340G	A1	8	100	128	105	105.0
Total				400	455	393	98.25%

VAV-03N-4/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	340E	A1	8	100	135	102	102.0
SGRD2	340D	A1	8	100	221	102	102.0
SGRD3	340C	A1	8	100	224	101	101.0
SGRD4	340B	A1	8	100	245	102	102.0
SGRD5	341	A1	8	210	225	229	109.0
Total				610	1050	636	104.26%

VAV-03N-5/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	357	A1	8	150	156	158	105.3
SGRD2	359	A1	8	50	158	55	110.0
SGRD3	357	A1	8	150	230	162	108.0
Total				350	544	375	107.14%

VAV-03N-6/FLOOR 3 NORTH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	340A	A1	8	130	139	139	106.9
Total				130	139	139	106.92%

VAV-03N-7/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	300	C1	8	120	184	127	105.8
SGRD2	300	C1	8	120	189	128	106.7
SGRD3	HALL	A1	8	240	172	239	99.6
Total				480	545	494	102.92%

VAV-03N-23/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	301	D3	8X8	230	223	216	93.9
SGRD2	301	D3	8X8	230	281	227	98.7
SGRD3	301	D3	8X8	230	257	236	102.6
SGRD4	301	D3	8X8	230	297	251	109.1
Total				920	1058	930	101.09%

VAV-03N-24/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	311	C1	8	220	190	241	109.5
SGRD2	311	C1	8	220	130	211	95.9
SGRD3	311	C1	8	220	173	231	105.0
Total				660	493	683	103.48%

VAV-03N-25/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	361	A1	8	150	104	139	92.7
SGRD2	363	A1	8	100	108	92	92.0
Total				250	212	231	92.4%

VAV-03N-26/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360A	A1	8	200	214	209	104.5
Total				200	214	209	104.5%

VAV-03N-27/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	A1	8	240	325	248	103.3
SGRD2	360	A1	8	240	365	229	95.4
SGRD3	360	A1	8	240	236	228	95.0
SGRD4	360	A1	8	240	283	239	99.6
SGRD5	360	A1	8	240	246	249	103.8
Total				1200	1455	1193	99.42%

VAV-03N-28/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360B	A1	8	200	196	196	98.0
Total				200	196	196	98%

VAV-03N-29/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360C	A1	8	100	102	97	97.0
SGRD2	360D	A1	8	100	123	91	91.0
SGRD3	360E	A1	8	100	131	102	102.0
SGRD4	360F	A1	8	100	105	101	101.0
Total				400	461	391	97.75%

VAV-03N-30/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	A1	8	240	230	230	95.8
SGRD2	360	A1	8	240	525	234	97.5
SGRD3	360	A1	8	240	79	240	100.0
Total				720	834	704	97.78%

VAV-03N-31/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	A1	8	240	417	226	94.2
SGRD2	360	A1	8	240	406	226	94.2
SGRD3	360	A1	8	240	53	229	95.4
SGRD4	360	A1	8	240	496	251	104.6
SGRD5	360	A1	8	240	455	249	103.8
Total				1200	1827	1181	98.42%

VAV-03N-32/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360G	A1	8	100	163	108	108.0
SGRD2	360H	A1	8	100	167	101	101.0
SGRD3	360J	A1	8	100	166	97	97.0
SGRD4	362	A1	8	230	141	224	97.4
Total				530	637	530	100%

VAV-03N-33/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	A1	8	240	329	239	99.6
SGRD2	360	A1	8	240	288	251	104.6
SGRD3	360	A1	8	240	333	253	105.4
SGRD4	360	A1	8	240	306	265	110.4
SGRD5	360	A1	8	240	258	241	100.4
Total				1200	1514	1249	104.08%

VAV-03N-34/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	A1	8	240	343	216	90.0
SGRD2	360	A1	8	240	335	261	108.8
SGRD3	360	A1	8	240	386	266	110.8
Total				720	1064	743	103.19%

VAV-03N-35/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	352	A1	8	140	170	138	98.6
SGRD2	352	A1	8	140	146	135	96.4
Total				280	316	273	97.5%

Completed By: Bayley Morvant on 10/07/2025

Asset	Notes	Date	Written By
VAV-03N-7	PRIMARY AIR DAMPER WAS FULLY CLOSED WHILE TESTING MINIMUM DESIGN CFM.	08/05/2025	Bayley Morvant
VAV-03N-25	PRIMARY AIR DAMPER 100% CLOSED DURING TIME OF TESTING MINIMUM CFM DESIGN.	08/06/2025	Bayley Morvant
VAV-03N-28	[1] PRIMARY AIR DAMPER WAS 100% CLOSED DURING TIME OF TESTING MINIMUM CFM DESIGN.	10/07/2025	Bayley Morvant
FPB-03N-23	FAN SPEED CONTROLLER IS AT LOWEST POSSIBLE SPEED.	08/04/2025	Bayley Morvant
FPB-03N-27	FAN SPEED IS SET TO LOWEST POSSIBLE SPEED.	08/04/2025	Bayley Morvant



National TAB

Project: IBP 6275 - Horace Mann BP (Plano, TX)

System/Unit: AHU-DUAL FAN

Asset: RTU-3S 1

AREA:FLOOR 3 SOUTH

UNIT DATA - SUPPLY

	Design	Actual
Manufacturer	NA	TRANE
Model Number	NA	SAHLF7040V45
Serial Number	-	C22A00044
No. Final Filters / Size (1)	-	35 / 16X20X2

MOTOR DATA - SUPPLY

	Actual
Motor MFG / Frame	BALDOR (X2)
Horsepower / RPM	10 / 1180
Rated Volts / Phase	460 / 3
Rated Amperage / SF	14.3 / 1.15

TEST DATA - SUPPLY

	Design	Actual
Total CFM	21115	17881[1]
Fan RPM	1396	1480
VFD Speed	-	74Hz
RL Voltage	460	485/485/485
RL Amperage	14.3 (X2)	27.46 VFD
Motor B.H.P.	18.56	19.20

PERFORMANCE DATA - SUPPLY

	Design	Actual
Static Pressure Stpt	-	1.90[1]
Suction S.P.	-	-2.02
Discharge S.P.	-	1.79
Total S.P.	3.570	3.81
Chilled Water Coil P.D.	-	0.64
Final Filters P.D.	-	0.70
Total ESP	-	5.15

Completed By: Bayley Morvant on 08/19/2025

Notes:

UNIT WAS DESIGNED TO HAVE 3,155 CFM OF DIVERSITY. UNIT WAS TESTED AT DESIGN OF 21,115 CFM TO FIND STATIC PRESSURE SETPOINT AND ALL OTHER PERFORMANCE DATA.

OUTSIDE AIR DESIGN: 2,805 CFM
OUTSIDE AIR SET TO 3,011 CFM AT 7% DAMPER POSITION.

[1] UNIT WAS AT MAX AMP DRAW AT 1.90" OF STATIC PRESSURE. UNIT WOULD NEED TO REACH 2.24" OF STATIC PRESSURE TO ACHIEVE DESIGN AIRFLOW.

Written By: Bayley Morvant on 08/19/2025



National TAB

Project: IBP 6275 - Horace Mann BP (Plano, TX)

AHU-DUAL FAN

VAV - Single Duct

RTU-3S 1/FLOOR 3 SOUTH

Asset											
Asset Name	MFG	Design Service	Service	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV-03S-8	[1]		VAV-3S-08	10	720	768	144	156			1923
VAV-03S-9	NAILOR		VAV-3S-09	8	400	406	80	85			942
VAV-03S-10	METAL AIRE		VAV-3S-10	10	660	664	132	137			1534
VAV-03S-11	METAL AIRE		VAV-3S-11	10	800	793	160	158			1515
VAV-03S-12	METAL AIRE		VAV-3S-12	10	800	775	160	165			1528
VAV-03S-13	NAILOR		VAV-3S-14	8	370	364	74	159			925
VAV-03S-14	METAL AIRE		VAV-3S-13	10	640	653	128	127			1252
VAV-03S-15	NAILOR		VAV-3S-15	8	600	596	120	118			865
VAV-03S-16	METAL AIRE		VAV-3S-16	10	800	807	160	162			1481
VAV-03S-17	NAILOR		VAV-3S-17	8	400	428	80	260			1187
VAV-03S-18	NAILOR		VAV-3S-18	8	600	597	120	118			989
VAV-03S-19	METAL AIRE		VAV-3S-19	10	750	764	150	149			1459
VAV-03S-20	NAILOR		VAV-3S-20	8	320	321	64	61			900
VAV-03S-21	NAILOR		VAV-3N-21	6	200	205	40	43			533
VAV-03S-22	NAILOR		VAV-3S-22	8	320	333	64	62			895

VAV-Fan Powered Box

RTU-3S 1/FLOOR 3 SOUTH

Asset												
Asset Name	MFG	Model Num	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Heat CFM	Min Heat CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
FPB-03S-5	NAILOR	D35NE	FPB-3S-05	REHEAT	10	900	897	225	218	630	626	1307
FPB-03S-6	NAILOR	D35NE	FPB-3S-06	REHEAT	8	480	464	120	130	336	322	904
FPB-03S-7	NAILOR	D35NE	FPB-3S-07	REHEAT	12	1120	1089	280	282	784	763	2125
FPB-03S-8	NAILOR	D35NE	FPB-3S-08	REHEAT	12	1120	1103	280	282	784	767	2089
FPB-03S-9	NAILOR	D35NE	FPB-3S-09	REHEAT	8	560	545	140	137	392	393	919
FPB-03S-10	NAILOR	D35NE	FPB-3S-10	REHEAT	10	750	779	188	186	525	542	1463
FPB-03S-11	NAILOR	D35NE	FPB-3S-11	REHEAT	10	840	840	210	207	588	586	1472
FPB-03S-12	NAILOR	D35NE	FPB-3S-12	REHEAT	12	1260	1227	315	320	882	854	1698
FPB-03S-13	NAILOR	D35NE	FPB-3S-13	REHEAT	12	1250	1243	313	310	875	875	1711
FPB-03S-14	NAILOR	D35NE	FPB-3S-14	REHEAT	12	1250	1217	313	323	875	856	2116
FPB-03S-15	NAILOR	D35NE	FPB-3S-15	REHEAT	12	1250	1323	313	315	875	936	1877
FPB-03S-16	NAILOR	D35NE	FPB-3S-16	REHEAT	12	1250	1299	313	308	875	919	1755
FPB-03S-17	NAILOR	D35NE	FPB-3S-17	REHEAT	10	600	635	150	156	420	445	1701
FPB-03S-18	NAILOR	D35NE	FPB-3S-18	REHEAT	10	800	795	200	195	560	564	1290
FPB-03S-19	NAILOR	D35NE	FPB-3S-19	REHEAT	10	960	1025	240	237	672	724	1275
FPB-03S-20	NAILOR	D35NE	FPB-3S-20	REHEAT	14	1500	1374	375	382	1050	1026	1970

Diffuser Supply (GRD)

FPB-03S-5/FLOOR 3 SOUTH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	333	C3	8	150	158	149	99.3
SGRD2	335	C3	8	150	138	139	92.7
SGRD3	335	C3	8	150	172	150	100.0
SGRD4	337	C3	8	150	190	154	102.7
SGRD5	337	C3	8	150	214	146	97.3
SGRD6	339	C3	8	150	178	159	106.0
Total				900	1050	897	99.67%

FPB-03S-6/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	331	C3	8	240	268	236	98.3
SGRD2	331	C3	8	240	249	228	95.0
Total				480	517	464	96.67%

FPB-03S-7/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	330	C3	8	140	162	147	105.0
SGRD2	330	C3	8	140	180	133	95.0
SGRD3	330	C3	8	140	196	129	92.1
SGRD4	330	C3	8	140	131	131	93.6
SGRD5	330	C3	8	140	145	140	100.0
SGRD6	330	C3	8	140	180	136	97.1
SGRD7	330	C3	8	140	180	139	99.3
SGRD8	330	C3	8	140	173	134	95.7
Total				1120	1347	1089	97.23%

FPB-03S-8/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	330	C3	8	140	163	138	98.6
SGRD2	330	C3	8	140	191	144	102.9
SGRD3	330	C3	8	140	196	141	100.7
SGRD4	330	C3	8	140	156	128	91.4
SGRD5	330	C3	8	140	188	143	102.1
SGRD6	330	C3	8	140	187	134	95.7
SGRD7	330	C3	8	140	172	140	100.0
SGRD8	330	C3	8	140	210	135	96.4
Total				1120	1463	1103	98.48%

FPB-03S-9/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	330	C3	8	140	133	131	93.6
SGRD2	330	C3	8	140	133	129	92.1
SGRD3	330	C3	8	140	162	145	103.6
SGRD4	330	C3	8	140	191	140	100.0
Total				560	619	545	97.32%

FPB-03S-10/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	330	C3	8	250	289	274	109.6
SGRD2	330	C3	8	250	262	248	99.2
SGRD3	330	C3	8	250	264	257	102.8
Total				750	815	779	103.87%

FPB-03S-11/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	332	C3	8	210	206	196	93.3
SGRD2	332	C3	8	210	223	207	98.6
SGRD3	332	C3	8	210	259	218	103.8
SGRD4	332	C3	8	210	230	219	104.3
Total				840	918	840	100%

FPB-03S-12/FLOOR 3 SOUTH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	324	C1	8	210	183	200	95.2
SGRD2	320	C1	8	210	150	204	97.1
SGRD3	320	C1	8	210	146	189	90.0
SGRD4	320	C1	8	210	230	207	98.6
SGRD5	320	C1	8	210	215	207	98.6
SGRD6	320	C1	8	210	220	220	104.8
Total				1260	1144	1227	97.38%

FPB-03S-13/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	320	C1	8	250	221	240	96.0
SGRD2	320	C1	8	250	225	250	100.0
SGRD3	320	C1	8	250	238	264	105.6
SGRD4	320	C1	8	250	210	238	95.2
SGRD5	320	C1	8	250	221	251	100.4
Total				1250	1115	1243	99.44%

FPB-03S-14/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	320	C1	8	250	215	226	90.4
SGRD2	320	C1	8	250	256	246	98.4
SGRD3	320	C1	8	250	241	246	98.4
SGRD4	320	C1	8	250	266	253	101.2
SGRD5	320	C1	8	250	284	246	98.4
Total				1250	1262	1217	97.36%

FPB-03S-15/FLOOR 3 SOUTH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	320	C1	8	250	253	250	100.0
SGRD2	320	C1	8	250	271	272	108.8
SGRD3	320	C1	8	250	253	258	103.2
SGRD4	320	C1	8	250	271	272	108.8
SGRD5	320	C1	8	250	277	271	108.4
Total				1250	1325	1323	105.84%

FPB-03S-16/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	320	C1	8	250	269	238	95.2
SGRD2	320	C1	8	250	294	253	101.2
SGRD3	320	C1	8	250	292	264	105.6
SGRD4	320	C1	8	250	303	268	107.2
SGRD5	320	C1	8	250	331	276	110.4
Total				1250	1489	1299	103.92%

FPB-03S-17/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	319	C3	8	200	394	217	108.5
SGRD2	319	A1	8	200	372	198	99.0
SGRD3	319	C3	8	200	424	220	110.0
Total				600	1190	635	105.83%

FPB-03S-18/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	315	C3	8	200	226	180	90.0
SGRD2	315	C3	8	200	268	214	107.0
SGRD3	315	C3	8	200	262	210	105.0
SGRD4	315	C3	8	200	245	191	95.5
Total				800	1001	795	99.38%

FPB-03S-19/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	313	C3	8	240	251	259	107.9
SGRD2	313	C3	8	240	284	265	110.4
SGRD3	313	C3	8	240	284	261	108.8
SGRD4	313	C3	8	240	223	240	100.0
Total				960	1042	1025	106.77%

FPB-03S-20/FLOOR 3 SOUTH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	311	C1	8	250	147	226	90.4
SGRD2	311	C1	8	250	150	227	90.8
SGRD3	311	C1	8	250	193	231	92.4
SGRD4	311	C1	8	250	178	230	92.0
SGRD5	311	C1	8	250	196	232	92.8
SGRD6	311	C1	8	250	188	228	91.2
Total				1500	1052	1374	91.6%

VAV-03S-8/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	302	D3	6X8 1.71	180	335	196	108.9
SGRD2	302	D3	6X8	180	331	194	107.8
SGRD3	302	D3	6X8	180	338	198	110.0
SGRD4	302	D3	6X8	180	308	180	100.0
Total				720	1312	768	106.67%

VAV-03S-9/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	330	A1	8	200	246	212	106.0
SGRD2	330	A1	8	200	229	194	97.0
Total				400	475	406	101.5%

VAV-03S-10/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	304	A1	8	220	384	216	98.2
SGRD2	304	A1	8	220	371	220	100.0
SGRD3	304	A1	8	220	225	228	103.6
Total				660	980	664	100.61%

VAV-03S-11/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	330	A1	8	200	50	185	92.5
SGRD2	330	A1	8	200	448	189	94.5
SGRD3	330	A1	8	200	134	214	107.0
SGRD4	330	A1	8	200	43	205	102.5
Total				800	675	793	99.12%

VAV-03S-12/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	330	A1	8	200	231	185	92.5
SGRD2	330	A1	8	200	256	200	100.0
SGRD3	330	A1	8	200	299	180	90.0
SGRD4	330	A1	8	200	300	210	105.0
Total				800	1086	775	96.88%

VAV-03S-13/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	308	A1	8	50	91	48	96.0
SGRD2	330C	A1	8	120	115	117	97.5
SGRD3	330D	A1	8	100	109	104	104.0
SGRD4	330E	A1	8	100	108	95	95.0
Total				370	423	364	98.38%

VAV-03S-14/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	330B	A1	8	120	199	119	99.2
SGRD2	C330	A1	8	200	273	199	99.5
SGRD3	C330	A1	8	200	220	204	102.0
SGRD4	330A	A1	8	120	233	131	109.2
Total				640	925	653	102.03%

VAV-03S-15/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	320H	A1	8	100	129	101	101.0
SGRD2	326	A1	8	200	168	216	108.0
SGRD3	320J	A1	8	100	201	91	91.0
SGRD4	320K	A1	8	100	159	93	93.0
SGRD5	322	A1	8	100	189	95	95.0
Total				600	846	596	99.33%

VAV-03S-16/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	320G	A1	8	100	185	98	98.0
SGRD2	C320	A1	8	200	183	188	94.0
SGRD3	320F	A1	8	100	214	101	101.0
SGRD4	320E	A1	8	100	220	104	104.0
SGRD5	C320	A1	8	200	238	215	107.5
SGRD6	320D	A1	8	100	267	101	101.0
Total				800	1307	807	100.88%

VAV-03S-17/FLOOR 3 SOUTH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	320	A1	8	200	293	212	106.0
SGRD2	320	A1	8	200	294	216	108.0
Total				400	587	428	107%

VAV-03S-18/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	320	A1	8	200	211	201	100.5
SGRD2	320	A1	8	200	259	198	99.0
SGRD3	320	A1	8	200	223	198	99.0
Total				600	693	597	99.5%

VAV-03S-19/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	C320	A1	8	200	146	206	103.0
SGRD2	320C	A1	8	100	147	96	96.0
SGRD3	320B	A1	8	100	282	103	103.0
SGRD4	320A	A1	8	100	268	102	102.0
SGRD5	318	A1	8	250	344	257	102.8
Total				750	1187	764	101.87%

VAV-03S-20/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	315	A1	8	160	419	174	108.8
SGRD2	315	A1	8	160	396	147	91.9
Total				320	815	321	100.31%

VAV-03S-21/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	316	A1	8	50	105	48	96.0
SGRD2	314	A1	8	50	108	54	108.0
SGRD3	312	A1	8	50	138	54	108.0
SGRD4	310	A1	8	50	146	49	98.0
Total				200	497	205	102.5%

VAV-03S-22/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	313	A1	8	160	190	177	110.6
SGRD2	313	A1	8	160	211	156	97.5
Total				320	401	333	104.06%

Completed By: Bayley Morvant on 08/19/2025

Asset	Notes	Date	Written By
VAV-03S-8	[1] UNABLE TO READ UNIT DATA TAG DUE TO BEING PAINTED OVER.	08/07/2025	Bayley Morvant
VAV-03S-13	PRIMARY AIR DAMPER WAS 100% CLOSED DURING TIME OF TESTING UNIT DESIGN MINIMUM CFM.	08/13/2025	Bayley Morvant
VAV-03S-17	PRIMARY AIR DAMPER WAS 100% CLOSED DURING TIME OF TESTING FOR DESIGN MINIMUM CFM.	08/11/2025	Bayley Morvant



National TAB

Project: IBP 6275 - Horace Mann BP (Plano, TX)

System/Unit: AHU-DUAL FAN

Asset: RTU-3N 1

AREA:FLOOR 3 NORTH

UNIT DATA - SUPPLY

	Design	Actual
Manufacturer	NA	TRANE
Model Number	NA	SAHLF7040V45
Serial Number	-	C22A00043
No. Final Filters / Size (1)	-	35 / 16X20X2

MOTOR DATA - SUPPLY

	Actual
Motor MFG / Frame	BALDOR (X2)
Horsepower / RPM	10 / 1180
Rated Volts / Phase	460 / 3
Rated Amperage / SF	14.3 / 1.15

TEST DATA - SUPPLY

	Design	Actual
Total CFM	21325	18119
Fan RPM	1366	1520 VFD
VFD Speed	-	76.1 Hz
RL Voltage	460	488/489/487
RL Amperage	14.3 (X2)	27.9 VFD
Motor B.H.P.	18.56	19.51

PERFORMANCE DATA - SUPPLY

	Design	Actual
Static Pressure Stpt	-	1.87" [1]
Suction S.P.	-	-1.97
Discharge S.P.	-	1.61
Total S.P.	3.496	3.58
Chilled Water Coil P.D.	-	0.78
Final Filters P.D.	-	0.31
Total ESP	-	4.67

Completed By: Bayley Morvant on 10/07/2025

Notes:

UNIT WAS DESIGNED TO HAVE 4,065 CFM OF DIVERSITY. UNIT WAS TESTED AT DESIGN OF 21,325 CFM TO FIND STATIC PRESSURE SETPOINT AND ALL OTHER PERFORMANCE DATA.

OUTSIDE AIR DESIGN: 2745 CFM 2639
OUTSIDE AIR SET TO CFM AT 10% DAMPER POSITION.

[1] UNIT WAS AT MAX AMP DRAW AT 1.87" OF STATIC PRESSURE. UNIT WOULD NEED TO REACH 2.20" OF STATIC PRESSURE TO ACHIEVE DESIGN AIRFLOW.

Written By: Bayley Morvant on 10/07/2025



National TAB

Project: IBP 6275 - Horace Mann BP (Plano, TX)

AHU-DUAL FAN

VAV - Single Duct

RTU-3N 1/FLOOR 3 NORTH

Asset											
Asset Name	MFG	Design Service	Service	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV-03N-1	METAL AIRE		VAV-3N-01	8	550	532	110	108			973
VAV-03N-2	METAL AIRE		VAV-3N-02	10	800	780	160	166			1549
VAV-03N-3	METAL AIRE		VAV-3N-3	8	400	393	80	85			930
VAV-03N-4	METAL AIRE		VAV-3N-004	10	610	636	122	130			1358
VAV-03N-5	KRUEGER		VAV-3N-05	8	350	375	70	67			1328
VAV-03N-6	KRUEGER		VAV-3N-06	6	130	139	26	28			450
VAV-03N-7	NAILOR		VAV-3S-07	8	480	494	96	148			956
VAV-03N-23	METAL AIRE		VAV-3N-23	10	920	930	184	180			1960
VAV-03N-24	NAILOR		VAV-3S-24	10	660	683	132	131			963
VAV-03N-25	NAILOR		VAV-3N-25	6	250	231	50	170			435
VAV-03N-26	NAILOR		VAV-3N-26	6	200	209	40	39			455
VAV-03N-27	KRUEGER		VAV-3N-27	12	1200	1193	240	245			2212
VAV-03N-28	NAILOR		VAV-03N-28	6	200	196	40	76			518
VAV-03N-29	METAL AIRE		VAV-3N-29	8	400	391	80	82			988
VAV-03N-30	METAL AIRE		VAV-3N-30	10	720	704	144	143			1652
VAV-03N-31	KRUEGER		VAV-3N-31	12	1200	1181	240	244			2253
VAV-03N-32	METAL AIRE		VAV-03N-32	8	530	530	106	105			938
VAV-03N-33	KRUEGER		VAV-3N-33	12	1200	1249	240	243			2276
VAV-03N-34	METAL AIRE		VAV-3N-34	10	720	743	144	144			1485
VAV-03N-35	METAL AIRE		VAV-3N-35	8	280	273	56	51			989

VAV-Fan Powered Box

RTU-3N 1/FLOOR 3 NORTH

Asset												
Asset Name	MFG	Model Num	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Heat CFM	Min Heat CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
FPB-03-01	NAILOR	D35NE	FPB-3N-01	REHEAT	12	1120	1150	280	275	784	810	1769
FPB-03N-02	NAILOR	D35NE	FPB-3N-02	REHEAT	14	1510	1585	378	383	1057	1118	2726
FPB-03N-03	NAILOR	D35NE	FPB-3N-03	REHEAT	14	1520	1541	380	390	1064	1074	2386
FPB-03N-04	NAILOR	D35NE	FPB-3N-04	REHEAT	12	1140	1163	285	281	798	825	1839
FPB-03N-21	NAILOR	D35NE	FPB-3N-21	REHEAT	10	900	891	225	232	630	638	1336
FPB-03N-22	NAILOR	D35NE	FPB-3N-22	REHEAT	12	1470	1474	368	379	1029	1042	2318
FPB-03N-23	NAILOR	D35NE	FPB-3N-23	REHEAT	12	1470	1451	368	362	1029	1249	2288
FPB-03N-24	NAILOR	D35NE	FPB-3N-24	REHEAT	12	1260	1278	315	308	882	900	2095
FPB-03N-25	NAILOR	D35NE	FPB-3N-25	REHEAT	12	1320	1279	330	321	924	910	2176
FPB-03N-26	NAILOR	D35NE	FPB-3N-26	REHEAT	8	480	488	120	119	336	342	898
FPB-03N-27	NAILOR	D35NE	FPB-3N-27	REHEAT	12	1400	1364	350	352	980	1232	2185

Diffuser Supply (GRD)

FPB-03-01/FLOOR 3 NORTH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	120	C3	8	280	235	281	100.4
SGRD2	120	C3	8	280	266	283	101.1
SGRD3	120	C3	8	280	269	287	102.5
SGRD4	120	C3	8	280	206	299	106.8
Total				1120	976	1150	102.68%

FPB-03N-02/FLOOR 3 NORTH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	120	C3	8	190	174	204	107.4
SGRD2	120	C3	8	280	253	293	104.6
SGRD3	120	C3	8	280	272	310	110.7
SGRD4	120	C3	8	190	172	209	110.0
SGRD5	120	C3	8	190	182	207	108.9
SGRD6	120	C3	8	190	171	185	97.4
SGRD7	120	C3	8	190	186	177	93.2
Total				1510	1410	1585	104.97%

FPB-03N-03/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	120	C3	8	190	170	183	96.3
SGRD2	120	C3	8	190	163	178	93.7
SGRD3	120	C3	8	190	194	210	110.5
SGRD4	120	C3	8	190	190	205	107.9
SGRD5	124	C3	8	190	187	191	100.5
SGRD6	124	C3	8	190	179	191	100.5
SGRD7	124	C3	8	190	178	184	96.8
SGRD8	124	C3	8	190	193	199	104.7
Total				1520	1454	1541	101.38%

FPB-03N-04/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	124	C3	8	190	196	204	107.4
SGRD2	124	C3	8	190	198	196	103.2
SGRD3	124	C3	8	190	183	194	102.1
SGRD4	124	C3	8	190	158	185	97.4
SGRD5	124	C3	8	190	206	191	100.5
SGRD6	124	C3	8	190	207	193	101.6
Total				1140	1148	1163	102.02%

FPB-03N-21/FLOOR 3 SOUTH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	C3	8	210	189	201	95.7
SGRD2	360	C3	8	210	197	209	99.5
SGRD3	365	C3	8	240	223	233	97.1
SGRD4	365	C3	8	240	230	248	103.3
Total				900	839	891	99%

FPB-03N-22/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	C3	8	210	153	225	107.1
SGRD2	360	C3	8	210	154	228	108.6
SGRD3	360	C3	8	210	140	200	95.2
SGRD4	360	C3	8	210	162	218	103.8
SGRD5	360	C3	8	210	150	207	98.6
SGRD6	360	C3	8	210	158	201	95.7
SGRD7	360	C3	8	210	119	195	92.9
Total				1470	1036	1474	100.27%

FPB-03N-23/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	C3	8	210	218	200	95.2
SGRD2	360	C3	8	210	190	216	102.9
SGRD3	360	C3	8	210	236	209	99.5
SGRD4	360	C3	8	210	201	229	109.0
SGRD5	360	C3	8	210	230	201	95.7
SGRD6	360	C3	8	210	238	207	98.6
SGRD7	360	C3	8	210	164	189	90.0
Total				1470	1477	1451	98.71%

FPB-03N-24/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	C3	8	210	136	230	109.5
SGRD2	360	C3	8	210	273	221	105.2
SGRD3	360	C3	8	210	274	201	95.7
SGRD4	360	C3	8	210	239	201	95.7
SGRD5	360	C3	8	210	173	194	92.4
SGRD6	360	C3	8	210	221	231	110.0
Total				1260	1316	1278	101.43%

FPB-03N-25/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	C3	8	220	199	199	90.5
SGRD2	360	C3	8	220	200	200	90.9
SGRD3	360	C3	8	220	229	229	104.1
SGRD4	360	C3	8	220	200	200	90.9
SGRD5	360	C3	8	220	225	225	102.3
SGRD6	360	C3	8	220	226	226	102.7
Total				1320	1279	1279	96.89%

FPB-03N-26/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	350	D3	6X6	120	109	122	101.7
SGRD2	350	D3	6X6	120	110	122	101.7
SGRD3	350	D3	6X6	120	108	121	100.8
SGRD4	350	D3	6X6	120	111	123	102.5
Total				480	438	488	101.67%

FPB-03N-27/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	350	D3	8X8 0.85	200	151	200	100.0
SGRD2	350	D3	8X8	200	150	199	99.5
SGRD3	350	D3	8X8	200	221	201	100.5
SGRD4	350	D3	8X8	200	250	203	101.5
SGRD5	350	D3	8X8	200	196	181	90.5
SGRD6	350	D3	8X8	200	187	191	95.5
SGRD7	350	D3	8X8	200	210	189	94.5
Total				1400	1365	1364	97.43%

VAV-03N-1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	340H	A1	8	100	0	95	95.0
SGRD2	340J	A1	8	100	139	93	93.0
SGRD3	340K	A1	8	100	130	90	90.0
SGRD4	340L	A1	8	100	118	105	105.0
SGRD5	351	A1	8	50	113	51	102.0
SGRD6	340M	A1	8	100	136	98	98.0
Total				550	636	532	96.73%

VAV-03N-2/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	120	A1	8	200	282	184	92.0
SGRD2	C340	A1	8	200	348	207	103.5
SGRD3	120	A1	8	200	349	199	99.5
SGRD4	120	A1	8	200	346	190	95.0
Total				800	1325	780	97.5%

VAV-03N-3/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	355	A1	8	100	114	95	95.0
SGRD2	340F	A1	8	100	98	92	92.0
SGRD3	355	A1	8	100	115	101	101.0
SGRD4	340G	A1	8	100	128	105	105.0
Total				400	455	393	98.25%

VAV-03N-4/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	340E	A1	8	100	135	102	102.0
SGRD2	340D	A1	8	100	221	102	102.0
SGRD3	340C	A1	8	100	224	101	101.0
SGRD4	340B	A1	8	100	245	102	102.0
SGRD5	341	A1	8	210	225	229	109.0
Total				610	1050	636	104.26%

VAV-03N-5/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	357	A1	8	150	156	158	105.3
SGRD2	359	A1	8	50	158	55	110.0
SGRD3	357	A1	8	150	230	162	108.0
Total				350	544	375	107.14%

VAV-03N-6/FLOOR 3 NORTH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	340A	A1	8	130	139	139	106.9
Total				130	139	139	106.92%

VAV-03N-7/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	300	C1	8	120	184	127	105.8
SGRD2	300	C1	8	120	189	128	106.7
SGRD3	HALL	A1	8	240	172	239	99.6
Total				480	545	494	102.92%

VAV-03N-23/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	301	D3	8X8	230	223	216	93.9
SGRD2	301	D3	8X8	230	281	227	98.7
SGRD3	301	D3	8X8	230	257	236	102.6
SGRD4	301	D3	8X8	230	297	251	109.1
Total				920	1058	930	101.09%

VAV-03N-24/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	311	C1	8	220	190	241	109.5
SGRD2	311	C1	8	220	130	211	95.9
SGRD3	311	C1	8	220	173	231	105.0
Total				660	493	683	103.48%

VAV-03N-25/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	361	A1	8	150	104	139	92.7
SGRD2	363	A1	8	100	108	92	92.0
Total				250	212	231	92.4%

VAV-03N-26/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360A	A1	8	200	214	209	104.5
Total				200	214	209	104.5%

VAV-03N-27/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	A1	8	240	325	248	103.3
SGRD2	360	A1	8	240	365	229	95.4
SGRD3	360	A1	8	240	236	228	95.0
SGRD4	360	A1	8	240	283	239	99.6
SGRD5	360	A1	8	240	246	249	103.8
Total				1200	1455	1193	99.42%

VAV-03N-28/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360B	A1	8	200	196	196	98.0
Total				200	196	196	98%

VAV-03N-29/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360C	A1	8	100	102	97	97.0
SGRD2	360D	A1	8	100	123	91	91.0
SGRD3	360E	A1	8	100	131	102	102.0
SGRD4	360F	A1	8	100	105	101	101.0
Total				400	461	391	97.75%

VAV-03N-30/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	A1	8	240	230	230	95.8
SGRD2	360	A1	8	240	525	234	97.5
SGRD3	360	A1	8	240	79	240	100.0
Total				720	834	704	97.78%

VAV-03N-31/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	A1	8	240	417	226	94.2
SGRD2	360	A1	8	240	406	226	94.2
SGRD3	360	A1	8	240	53	229	95.4
SGRD4	360	A1	8	240	496	251	104.6
SGRD5	360	A1	8	240	455	249	103.8
Total				1200	1827	1181	98.42%

VAV-03N-32/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360G	A1	8	100	163	108	108.0
SGRD2	360H	A1	8	100	167	101	101.0
SGRD3	360J	A1	8	100	166	97	97.0
SGRD4	362	A1	8	230	141	224	97.4
Total				530	637	530	100%

VAV-03N-33/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	A1	8	240	329	239	99.6
SGRD2	360	A1	8	240	288	251	104.6
SGRD3	360	A1	8	240	333	253	105.4
SGRD4	360	A1	8	240	306	265	110.4
SGRD5	360	A1	8	240	258	241	100.4
Total				1200	1514	1249	104.08%

VAV-03N-34/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	360	A1	8	240	343	216	90.0
SGRD2	360	A1	8	240	335	261	108.8
SGRD3	360	A1	8	240	386	266	110.8
Total				720	1064	743	103.19%

VAV-03N-35/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	352	A1	8	140	170	138	98.6
SGRD2	352	A1	8	140	146	135	96.4
Total				280	316	273	97.5%

Completed By: Bayley Morvant on 10/07/2025

Asset	Notes	Date	Written By
VAV-03N-7	PRIMARY AIR DAMPER WAS FULLY CLOSED WHILE TESTING MINIMUM DESIGN CFM.	08/05/2025	Bayley Morvant
VAV-03N-25	PRIMARY AIR DAMPER 100% CLOSED DURING TIME OF TESTING MINIMUM CFM DESIGN.	08/06/2025	Bayley Morvant
VAV-03N-28	[1] PRIMARY AIR DAMPER WAS 100% CLOSED DURING TIME OF TESTING MINIMUM CFM DESIGN.	10/07/2025	Bayley Morvant
FPB-03N-23	FAN SPEED CONTROLLER IS AT LOWEST POSSIBLE SPEED.	08/04/2025	Bayley Morvant
FPB-03N-27	FAN SPEED IS SET TO LOWEST POSSIBLE SPEED.	08/04/2025	Bayley Morvant



National TAB

Project: IBP 6275 - Horace Mann BP (Plano, TX)

System/Unit: AHU-DUAL FAN

Asset: RTU-3S 1

AREA:FLOOR 3 SOUTH

UNIT DATA - SUPPLY

	Design	Actual
Manufacturer	NA	TRANE
Model Number	NA	SAHLF7040V45
Serial Number	-	C22A00044
No. Final Filters / Size (1)	-	35 / 16X20X2

MOTOR DATA - SUPPLY

	Actual
Motor MFG / Frame	BALDOR (X2)
Horsepower / RPM	10 / 1180
Rated Volts / Phase	460 / 3
Rated Amperage / SF	14.3 / 1.15

TEST DATA - SUPPLY

	Design	Actual
Total CFM	21115	17881[1]
Fan RPM	1396	1480
VFD Speed	-	74Hz
RL Voltage	460	485/485/485
RL Amperage	14.3 (X2)	27.46 VFD
Motor B.H.P.	18.56	19.20

PERFORMANCE DATA - SUPPLY

	Design	Actual
Static Pressure Stpt	-	1.90[1]
Suction S.P.	-	-2.02
Discharge S.P.	-	1.79
Total S.P.	3.570	3.81
Chilled Water Coil P.D.	-	0.64
Final Filters P.D.	-	0.70
Total ESP	-	5.15

Completed By: Bayley Morvant on 08/19/2025

Notes:

UNIT WAS DESIGNED TO HAVE 3,155 CFM OF DIVERSITY. UNIT WAS TESTED AT DESIGN OF 21,115 CFM TO FIND STATIC PRESSURE SETPOINT AND ALL OTHER PERFORMANCE DATA.

OUTSIDE AIR DESIGN: 2,805 CFM
OUTSIDE AIR SET TO 3,011 CFM AT 7% DAMPER POSITION.

[1] UNIT WAS AT MAX AMP DRAW AT 1.90" OF STATIC PRESSURE. UNIT WOULD NEED TO REACH 2.24" OF STATIC PRESSURE TO ACHIEVE DESIGN AIRFLOW.

Written By: Bayley Morvant on 08/19/2025



National TAB

Project: IBP 6275 - Horace Mann BP (Plano, TX)

AHU-DUAL FAN

VAV - Single Duct

RTU-3S 1/FLOOR 3 SOUTH

Asset											
Asset Name	MFG	Design Service	Service	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV-03S-8	[1]		VAV-3S-08	10	720	768	144	156			1923
VAV-03S-9	NAILOR		VAV-3S-09	8	400	406	80	85			942
VAV-03S-10	METAL AIRE		VAV-3S-10	10	660	664	132	137			1534
VAV-03S-11	METAL AIRE		VAV-3S-11	10	800	793	160	158			1515
VAV-03S-12	METAL AIRE		VAV-3S-12	10	800	775	160	165			1528
VAV-03S-13	NAILOR		VAV-3S-14	8	370	364	74	159			925
VAV-03S-14	METAL AIRE		VAV-3S-13	10	640	653	128	127			1252
VAV-03S-15	NAILOR		VAV-3S-15	8	600	596	120	118			865
VAV-03S-16	METAL AIRE		VAV-3S-16	10	800	807	160	162			1481
VAV-03S-17	NAILOR		VAV-3S-17	8	400	428	80	260			1187
VAV-03S-18	NAILOR		VAV-3S-18	8	600	597	120	118			989
VAV-03S-19	METAL AIRE		VAV-3S-19	10	750	764	150	149			1459
VAV-03S-20	NAILOR		VAV-3S-20	8	320	321	64	61			900
VAV-03S-21	NAILOR		VAV-3N-21	6	200	205	40	43			533
VAV-03S-22	NAILOR		VAV-3S-22	8	320	333	64	62			895

VAV-Fan Powered Box

RTU-3S 1/FLOOR 3 SOUTH

Asset												
Asset Name	MFG	Model Num	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Heat CFM	Min Heat CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
FPB-03S-5	NAILOR	D35NE	FPB-3S-05	REHEAT	10	900	897	225	218	630	626	1307
FPB-03S-6	NAILOR	D35NE	FPB-3S-06	REHEAT	8	480	464	120	130	336	322	904
FPB-03S-7	NAILOR	D35NE	FPB-3S-07	REHEAT	12	1120	1089	280	282	784	763	2125
FPB-03S-8	NAILOR	D35NE	FPB-3S-08	REHEAT	12	1120	1103	280	282	784	767	2089
FPB-03S-9	NAILOR	D35NE	FPB-3S-09	REHEAT	8	560	545	140	137	392	393	919
FPB-03S-10	NAILOR	D35NE	FPB-3S-10	REHEAT	10	750	779	188	186	525	542	1463
FPB-03S-11	NAILOR	D35NE	FPB-3S-11	REHEAT	10	840	840	210	207	588	586	1472
FPB-03S-12	NAILOR	D35NE	FPB-3S-12	REHEAT	12	1260	1227	315	320	882	854	1698
FPB-03S-13	NAILOR	D35NE	FPB-3S-13	REHEAT	12	1250	1243	313	310	875	875	1711
FPB-03S-14	NAILOR	D35NE	FPB-3S-14	REHEAT	12	1250	1217	313	323	875	856	2116
FPB-03S-15	NAILOR	D35NE	FPB-3S-15	REHEAT	12	1250	1323	313	315	875	936	1877
FPB-03S-16	NAILOR	D35NE	FPB-3S-16	REHEAT	12	1250	1299	313	308	875	919	1755
FPB-03S-17	NAILOR	D35NE	FPB-3S-17	REHEAT	10	600	635	150	156	420	445	1701
FPB-03S-18	NAILOR	D35NE	FPB-3S-18	REHEAT	10	800	795	200	195	560	564	1290
FPB-03S-19	NAILOR	D35NE	FPB-3S-19	REHEAT	10	960	1025	240	237	672	724	1275
FPB-03S-20	NAILOR	D35NE	FPB-3S-20	REHEAT	14	1500	1374	375	382	1050	1026	1970

Diffuser Supply (GRD)

FPB-03S-5/FLOOR 3 SOUTH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	333	C3	8	150	158	149	99.3
SGRD2	335	C3	8	150	138	139	92.7
SGRD3	335	C3	8	150	172	150	100.0
SGRD4	337	C3	8	150	190	154	102.7
SGRD5	337	C3	8	150	214	146	97.3
SGRD6	339	C3	8	150	178	159	106.0
Total				900	1050	897	99.67%

FPB-03S-6/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	331	C3	8	240	268	236	98.3
SGRD2	331	C3	8	240	249	228	95.0
Total				480	517	464	96.67%

FPB-03S-7/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	330	C3	8	140	162	147	105.0
SGRD2	330	C3	8	140	180	133	95.0
SGRD3	330	C3	8	140	196	129	92.1
SGRD4	330	C3	8	140	131	131	93.6
SGRD5	330	C3	8	140	145	140	100.0
SGRD6	330	C3	8	140	180	136	97.1
SGRD7	330	C3	8	140	180	139	99.3
SGRD8	330	C3	8	140	173	134	95.7
Total				1120	1347	1089	97.23%

FPB-03S-8/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	330	C3	8	140	163	138	98.6
SGRD2	330	C3	8	140	191	144	102.9
SGRD3	330	C3	8	140	196	141	100.7
SGRD4	330	C3	8	140	156	128	91.4
SGRD5	330	C3	8	140	188	143	102.1
SGRD6	330	C3	8	140	187	134	95.7
SGRD7	330	C3	8	140	172	140	100.0
SGRD8	330	C3	8	140	210	135	96.4
Total				1120	1463	1103	98.48%

FPB-03S-9/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	330	C3	8	140	133	131	93.6
SGRD2	330	C3	8	140	133	129	92.1
SGRD3	330	C3	8	140	162	145	103.6
SGRD4	330	C3	8	140	191	140	100.0
Total				560	619	545	97.32%

FPB-03S-10/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	330	C3	8	250	289	274	109.6
SGRD2	330	C3	8	250	262	248	99.2
SGRD3	330	C3	8	250	264	257	102.8
Total				750	815	779	103.87%

FPB-03S-11/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	332	C3	8	210	206	196	93.3
SGRD2	332	C3	8	210	223	207	98.6
SGRD3	332	C3	8	210	259	218	103.8
SGRD4	332	C3	8	210	230	219	104.3
Total				840	918	840	100%

FPB-03S-12/FLOOR 3 SOUTH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	324	C1	8	210	183	200	95.2
SGRD2	320	C1	8	210	150	204	97.1
SGRD3	320	C1	8	210	146	189	90.0
SGRD4	320	C1	8	210	230	207	98.6
SGRD5	320	C1	8	210	215	207	98.6
SGRD6	320	C1	8	210	220	220	104.8
Total				1260	1144	1227	97.38%

FPB-03S-13/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	320	C1	8	250	221	240	96.0
SGRD2	320	C1	8	250	225	250	100.0
SGRD3	320	C1	8	250	238	264	105.6
SGRD4	320	C1	8	250	210	238	95.2
SGRD5	320	C1	8	250	221	251	100.4
Total				1250	1115	1243	99.44%

FPB-03S-14/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	320	C1	8	250	215	226	90.4
SGRD2	320	C1	8	250	256	246	98.4
SGRD3	320	C1	8	250	241	246	98.4
SGRD4	320	C1	8	250	266	253	101.2
SGRD5	320	C1	8	250	284	246	98.4
Total				1250	1262	1217	97.36%

FPB-03S-15/FLOOR 3 SOUTH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	320	C1	8	250	253	250	100.0
SGRD2	320	C1	8	250	271	272	108.8
SGRD3	320	C1	8	250	253	258	103.2
SGRD4	320	C1	8	250	271	272	108.8
SGRD5	320	C1	8	250	277	271	108.4
Total				1250	1325	1323	105.84%

FPB-03S-16/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	320	C1	8	250	269	238	95.2
SGRD2	320	C1	8	250	294	253	101.2
SGRD3	320	C1	8	250	292	264	105.6
SGRD4	320	C1	8	250	303	268	107.2
SGRD5	320	C1	8	250	331	276	110.4
Total				1250	1489	1299	103.92%

FPB-03S-17/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	319	C3	8	200	394	217	108.5
SGRD2	319	A1	8	200	372	198	99.0
SGRD3	319	C3	8	200	424	220	110.0
Total				600	1190	635	105.83%

FPB-03S-18/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	315	C3	8	200	226	180	90.0
SGRD2	315	C3	8	200	268	214	107.0
SGRD3	315	C3	8	200	262	210	105.0
SGRD4	315	C3	8	200	245	191	95.5
Total				800	1001	795	99.38%

FPB-03S-19/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	313	C3	8	240	251	259	107.9
SGRD2	313	C3	8	240	284	265	110.4
SGRD3	313	C3	8	240	284	261	108.8
SGRD4	313	C3	8	240	223	240	100.0
Total				960	1042	1025	106.77%

FPB-03S-20/FLOOR 3 SOUTH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	311	C1	8	250	147	226	90.4
SGRD2	311	C1	8	250	150	227	90.8
SGRD3	311	C1	8	250	193	231	92.4
SGRD4	311	C1	8	250	178	230	92.0
SGRD5	311	C1	8	250	196	232	92.8
SGRD6	311	C1	8	250	188	228	91.2
Total				1500	1052	1374	91.6%

VAV-03S-8/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	302	D3	6X8 1.71	180	335	196	108.9
SGRD2	302	D3	6X8	180	331	194	107.8
SGRD3	302	D3	6X8	180	338	198	110.0
SGRD4	302	D3	6X8	180	308	180	100.0
Total				720	1312	768	106.67%

VAV-03S-9/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	330	A1	8	200	246	212	106.0
SGRD2	330	A1	8	200	229	194	97.0
Total				400	475	406	101.5%

VAV-03S-10/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	304	A1	8	220	384	216	98.2
SGRD2	304	A1	8	220	371	220	100.0
SGRD3	304	A1	8	220	225	228	103.6
Total				660	980	664	100.61%

VAV-03S-11/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	330	A1	8	200	50	185	92.5
SGRD2	330	A1	8	200	448	189	94.5
SGRD3	330	A1	8	200	134	214	107.0
SGRD4	330	A1	8	200	43	205	102.5
Total				800	675	793	99.12%

VAV-03S-12/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	330	A1	8	200	231	185	92.5
SGRD2	330	A1	8	200	256	200	100.0
SGRD3	330	A1	8	200	299	180	90.0
SGRD4	330	A1	8	200	300	210	105.0
Total				800	1086	775	96.88%

VAV-03S-13/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	308	A1	8	50	91	48	96.0
SGRD2	330C	A1	8	120	115	117	97.5
SGRD3	330D	A1	8	100	109	104	104.0
SGRD4	330E	A1	8	100	108	95	95.0
Total				370	423	364	98.38%

VAV-03S-14/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	330B	A1	8	120	199	119	99.2
SGRD2	C330	A1	8	200	273	199	99.5
SGRD3	C330	A1	8	200	220	204	102.0
SGRD4	330A	A1	8	120	233	131	109.2
Total				640	925	653	102.03%

VAV-03S-15/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	320H	A1	8	100	129	101	101.0
SGRD2	326	A1	8	200	168	216	108.0
SGRD3	320J	A1	8	100	201	91	91.0
SGRD4	320K	A1	8	100	159	93	93.0
SGRD5	322	A1	8	100	189	95	95.0
Total				600	846	596	99.33%

VAV-03S-16/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	320G	A1	8	100	185	98	98.0
SGRD2	C320	A1	8	200	183	188	94.0
SGRD3	320F	A1	8	100	214	101	101.0
SGRD4	320E	A1	8	100	220	104	104.0
SGRD5	C320	A1	8	200	238	215	107.5
SGRD6	320D	A1	8	100	267	101	101.0
Total				800	1307	807	100.88%

VAV-03S-17/FLOOR 3 SOUTH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	320	A1	8	200	293	212	106.0
SGRD2	320	A1	8	200	294	216	108.0
Total				400	587	428	107%

VAV-03S-18/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	320	A1	8	200	211	201	100.5
SGRD2	320	A1	8	200	259	198	99.0
SGRD3	320	A1	8	200	223	198	99.0
Total				600	693	597	99.5%

VAV-03S-19/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	C320	A1	8	200	146	206	103.0
SGRD2	320C	A1	8	100	147	96	96.0
SGRD3	320B	A1	8	100	282	103	103.0
SGRD4	320A	A1	8	100	268	102	102.0
SGRD5	318	A1	8	250	344	257	102.8
Total				750	1187	764	101.87%

VAV-03S-20/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	315	A1	8	160	419	174	108.8
SGRD2	315	A1	8	160	396	147	91.9
Total				320	815	321	100.31%

VAV-03S-21/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	316	A1	8	50	105	48	96.0
SGRD2	314	A1	8	50	108	54	108.0
SGRD3	312	A1	8	50	138	54	108.0
SGRD4	310	A1	8	50	146	49	98.0
Total				200	497	205	102.5%

VAV-03S-22/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	313	A1	8	160	190	177	110.6
SGRD2	313	A1	8	160	211	156	97.5
Total				320	401	333	104.06%

Completed By: Bayley Morvant on 08/19/2025

Asset	Notes	Date	Written By
VAV-03S-8	[1] UNABLE TO READ UNIT DATA TAG DUE TO BEING PAINTED OVER.	08/07/2025	Bayley Morvant
VAV-03S-13	PRIMARY AIR DAMPER WAS 100% CLOSED DURING TIME OF TESTING UNIT DESIGN MINIMUM CFM.	08/13/2025	Bayley Morvant
VAV-03S-17	PRIMARY AIR DAMPER WAS 100% CLOSED DURING TIME OF TESTING FOR DESIGN MINIMUM CFM.	08/11/2025	Bayley Morvant