

National TAB

Project: SNC Office Improvements (Miamisburg, OH)

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)
3A-10	VAV	EXISTING	500	497	50	52	0	0	2015

Completed By: Aaron Cosby on 03/27/2025

Diffuser Supply (GRD)

3A-10/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3A-10-SGRD1	311	CD	8	250	215	239	95.6
3A-10-SGRD2	312	CD	8	250	319	258	103.2
Total				500	534	497	99.4%

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VAVs/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
3A-11	VAV	EXISTING	1500	1533	150	1506	0	0	3839

Completed By: Aaron Cosby on 03/27/2025

Diffuser Supply (GRD)

3A-11/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3A-11-SGRD1	316	CD	8	300	328	306	102.0
3A-11-SGRD2	316	CD	16	400	344	365	91.3
3A-11-SGRD3	316	CD	16	400	436	434	108.5
3A-11-SGRD4	316	CD	16	400	413	428	107.0
Total				1500	1521	1533	102.2%

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VAVs/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
3A-12	VAV	EXISTING	1300	1341	130	134	0	0	1891

Completed By: Aaron Cosby on 03/27/2025

Diffuser Supply (GRD)

3A-12/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3A-12-SGRD1	316	CD	12	350	326	326	93.1
3A-12-SGRD2	316	CD	12	300	341	341	113.7
3A-12-SGRD3	316	CD	12	350	350	350	100.0
3A-12-SGRD4	316	CD	12	300	324	324	108.0
Total				1300	1341	1341	103.15%

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Project: SNC Office Improvements (Miamisburg, OH)

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VAVs/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
3A-13	VAV	EXISTING	600	577	60	59	0	0	1412

Completed By: Aaron Cosby on 03/27/2025

Asset	Notes	Date	Written By
3A-13	DIFFUSERS 1 AND 2 ARE SERVED BY VAV 03-312 AIRFLOW TOTAL ADJUSTED TO REFLECT CONNECTED LOAD. GM	03/27/2025	Gabe Merk

Diffuser Supply (GRD)

3A-13/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3A-13-SGRD3	314	CD	8	150	110	146	97.3
3A-13-SGRD4	314	CD	8	150	103	135	90.0
3A-13-SGRD5	314	CD	8	150	113	146	97.3
3A-13-SGRD6	314	CD	8	150	123	150	100.0
Total				600	449	577	96.17%

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Project: SNC Office Improvements (Miamisburg, OH)

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VAVs/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
3A-14	VAV	EXISTING	1100	1156	110	114	0	0	3745

Completed By: Aaron Cosby on 03/28/2025

Asset	Notes	Date	Written By
3A-14	EXCESS AIR STUCK AT DIFFUSER 3&4 DUE TO DAMPERS THAT DONT FULLY OPEN/CLOSE	03/28/2025	Aaron Cosby

Diffuser Supply (GRD)

3A-14/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3A-14-SGRD1	353	CD	16	300	326	262	87.3
3A-14-SGRD2	353	CD	16	250	255	266	106.4
3A-14-SGRD3	353	CD	16	250	444	278	111.2
3A-14-SGRD4	353	CD	16	300	635	350	116.7
Total				1100	1660	1156	105.09%

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Project: SNC Office Improvements (Miamisburg, OH)

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VAVs/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
3A-15	VAV	EXISTING	2000	2100	200	209	0	0	3849

Completed By: Aaron Cosby on 03/27/2025

Diffuser Supply (GRD)

3A-15/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3A-15-SGRD1	353	CD	10	400	308	372	93.0
3A-15-SGRD2	353	CD	18	400	496	424	106.0
3A-15-SGRD3	353	CD	18	400	439	439	109.8
3A-15-SGRD4	353	CD	18	400	451	426	106.5
3A-15-SGRD5	353	CD	18	400	438	439	109.8
Total				2000	2132	2100	105%

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Project: SNC Office Improvements (Miamisburg, OH)

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VAVs/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
3A-16	VAV	EXISTING	1100	1083	110	112	0	0	1900

Completed By: Aaron Cosby on 03/27/2025

Diffuser Supply (GRD)

3A-16/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3A-16-SGRD1	356	CD	8	275	289	266	96.7
3A-16-SGRD2	356	CD	8	275	314	277	100.7
3A-16-SGRD3	356	CD	8	275	245	269	97.8
3A-16-SGRD4	356	CD	8	275	256	271	98.5
Total				1100	1104	1083	98.45%

Completed By: Gabe Merk on 03/27/2025

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Project: SNC Office Improvements (Miamisburg, OH)

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VAVs/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
3A-01	VAV	EXISTING	1000	1017	100	100	0	0	2330

Completed By: Aaron Cosby on 03/28/2025

Diffuser Supply (GRD)

3A-01/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3A-01-SGRD1	301	CD	14	250	491	234	93.6
3A-01-SGRD2	301	CD	14	250	221	236	94.4
3A-01-SGRD3	301	CD	12	250	292	273	109.2
3A-01-SGRD4	301	CD	12	250	326	274	109.6
Total				1000	1330	1017	101.7%

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Project: SNC Office Improvements (Miamisburg, OH)

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VAVs/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
3A-02	VAV	EXISTING	1100	1075	110	115	0	0	1902

Completed By: Aaron Cosby on 03/27/2025

Diffuser Supply (GRD)

3A-02/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3A-02-SGRD1	306	CD	12X12	300	456	304	101.3
3A-02-SGRD2	306	CD	12	250	32	246	98.4
3A-02-SGRD3	306	CD	8	250	231	228	91.2
3A-02-SGRD4	306	CD	12X12	300	383	297	99.0
Total				1100	1102	1075	97.73%

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Project: SNC Office Improvements (Miamisburg, OH)

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VAVs/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
3A-03	VAV	EXISTING	1500	1486	150	153	0	0	1884

Completed By: Aaron Cosby on 03/27/2025

Diffuser Supply (GRD)

3A-03/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3A-03-SGRD1	308	CD	8	250	133	253	101.2
3A-03-SGRD2	309	CD	8	250	115	258	103.2
3A-03-SGRD3	309	CD	8	250	149	256	102.4
3A-03-SGRD4	308	CD	8	250	108	236	94.4
3A-03-SGRD5	307	CD	8	250	105	233	93.2
3A-03-SGRD6	307	CD	8	250	129	250	100.0
Total				1500	739	1486	99.07%

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Project: SNC Office Improvements (Miamisburg, OH)

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VAVs/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
3A-04	VAV	EXISTING	200	210	20	20	0	0	448

Completed By: Aaron Cosby on 03/27/2025

Diffuser Supply (GRD)

3A-04/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3A-04-SGRD1	304	CD	6	200	210	210	105.0
Total				200	210	210	105%

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Project: SNC Office Improvements (Miamisburg, OH)

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VAVs/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
3A-06	VAV	EXISTING	1100	1113	110	109	0	0	2711

Completed By: Aaron Cosby on 03/27/2025

Diffuser Supply (GRD)

3A-06/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3A-06-SGRD1	363	CD	16	550	640	592	107.6
3A-06-SGRD2	363	CD	16	550	934	521	94.7
Total				1100	1574	1113	101.18%

Completed By: Gabe Merk on 03/27/2025

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Project: SNC Office Improvements (Miamisburg, OH)

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VAVs/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
3A-07	VAV	EXISTING	800	789	80	80	0	0	1444

Completed By: Aaron Cosby on 03/27/2025

Diffuser Supply (GRD)

3A-07/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3A-07-SGRD1	366	CD	12X12	300	484	290	96.7
3A-07-SGRD2	367	CD	12X12	250	320	235	94.0
3A-07-SGRD3	367	CD	12X12	250	368	264	105.6
Total				800	1172	789	98.62%

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VAVs/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
3A-08	VAV	EXISTING	800	774	80	82	0	0	1846

Completed By: Aaron Cosby on 03/27/2025

Diffuser Supply (GRD)

3A-08/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3A-08-SGRD1	364	CD	16x16	400	298	394	98.5
3A-08-SGRD2	364	CD	10	400	490	380	95.0
Total				800	788	774	96.75%

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Project: SNC Office Improvements (Miamisburg, OH)

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VAVs/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
3A-09	VAV	EXISTING	1500	1550	150	152	0	0	3669

Completed By: Aaron Cosby on 03/27/2025

Diffuser Supply (GRD)

3A-09/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3A-09-SGRD1	363	CD	14	375	364	372	99.2
3A-09-SGRD2	363	CD	14	375	444	412	109.9
3A-09-SGRD3	363	CD	14	375	378	378	100.8
3A-09-SGRD4	363	CD	14	375	388	388	103.5
Total				1500	1574	1550	103.33%

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Project: SNC Office Improvements (Miamisburg, OH)

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VAVs/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
3B-10	VAV	EXISTING	900	893	90	92	0	0	1891

Completed By: Aaron Cosby on 03/31/2025

Asset	Notes	Date	Written By
3B-10	DIFFUSER 1 REMOVED FROM PRINTS AND CAPPED. GM	03/27/2025	Gabe Merk

Diffuser Supply (GRD)

3B-10/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3B-10-SGRD2	332	CD	10	300	245	279	93.0
3B-10-SGRD3	332	CD	10	300	273	322	107.3
3B-10-SGRD4	337	CD	10	300	372	292	97.3
Total				900	890	893	99.22%

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Project: SNC Office Improvements (Miamisburg, OH)

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)
3B-11	VAV	EXISTING	1200	1258	120	120	0	0	1669

Completed By: Aaron Cosby on 03/31/2025

Diffuser Supply (GRD)

3B-11/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3B-11-SGRD1	334	CD	8	300	220	325	108.3
3B-11-SGRD2	333	CD	8	300	218	319	106.3
3B-11-SGRD3	333	CD	8	300	224	290	96.7
3B-11-SGRD4	333	CD	8	300	210	324	108.0
Total				1200	872	1258	104.83%

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Project: SNC Office Improvements (Miamisburg, OH)

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)
3B-12	VAV	EXISTING	1000	1021	100	108	0	0	1891

Completed By: Aaron Cosby on 03/31/2025

Diffuser Supply (GRD)

3B-12/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3B-12-SGRD1	333	CD	12	250	356	266	106.4
3B-12-SGRD2	333	CD	12	250	201	259	103.6
3B-12-SGRD3	333	CD	12	250	386	232	92.8
3B-12-SGRD4	333	CD	12	250	144	264	105.6
Total				1000	1087	1021	102.1%

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Project: SNC Office Improvements (Miamisburg, OH)

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)
3B-13	VAV	EXISTING	300	280	30	30	0	0	1563

Completed By: Aaron Cosby on 03/27/2025

Diffuser Supply (GRD)

3B-13/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3B-13-SGRD1	327	CD	10	150	42	136	90.7
3B-13-SGRD2	329	CD	10	150	328	144	96.0
Total				300	370	280	93.33%

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Project: SNC Office Improvements (Miamisburg, OH)

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)
3B-14	VAV	EXISTING	475	448	47	50	0	0	904

Completed By: Aaron Cosby on 03/27/2025

Diffuser Supply (GRD)

3B-14/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3B-14-SGRD1	331	CD	8	175	168	166	94.9
3B-14-SGRD2	331	CD	8	175	125	164	93.7
3B-14-SGRD3	339	CD	8	125	135	118	94.4
Total				475	428	448	94.32%

Completed By: Gabe Merk on 03/27/2025

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Project: SNC Office Improvements (Miamisburg, OH)

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)
3B-15	VAV	EXISTING	1100	1085	110	114	0	0	1296

Completed By: Aaron Cosby on 03/31/2025

Diffuser Supply (GRD)

3B-15/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3B-15-SGRD1	342	CD	16	275	173	251	91.3
3B-15-SGRD2	342	CD	16	275	190	265	96.4
3B-15-SGRD3	342	CD	16	275	203	280	101.8
3B-15-SGRD4	342	CD	16	275	196	289	105.1
Total				1100	762	1085	98.64%

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Project: SNC Office Improvements (Miamisburg, OH)

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)
3B-16	VAV	EXISTING	600	542	110	110	550	555	771

Completed By: Aaron Cosby on 03/31/2025

Diffuser Supply (GRD)

3B-16/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3B-16-SGRD1	343	CD	14	150	91	135	90.0
3B-16-SGRD2	343	CD	14	150	75	135	90.0
3B-16-SGRD3	344	CD	14	300	95	272	90.7
Total				600	261	542	90.33%

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Project: SNC Office Improvements (Miamisburg, OH)

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)
3B-17	VAV	EXISTING	800	811	80	80	400	408	1897

Completed By: Aaron Cosby on 03/26/2025

Diffuser Supply (GRD)

3B-17/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3B-17-SGRD1	346	CD	14	500	498	498	99.6
3B-17-SGRD2	346	CD	10	150	149	151	100.7
3B-17-SGRD3	346	CD	8	150	175	162	108.0
Total				800	822	811	101.38%

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Project: SNC Office Improvements (Miamisburg, OH)

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)
3B-18	VAV	EXISTING	1500	1491	150	150	0	0	2524

Completed By: Aaron Cosby on 03/26/2025

Diffuser Supply (GRD)

3B-18/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3B-18-SGRD1	342	CD	18	300	274	274	91.3
3B-18-SGRD2	342	CD	18	300	346	320	106.7
3B-18-SGRD3	342	CD	14	300	284	284	94.7
3B-18-SGRD4	342	CD	14	300	290	290	96.7
3B-18-SGRD5	342	CD	14	300	323	323	107.7
Total				1500	1517	1491	99.4%

Completed By: Aaron Cosby on 03/26/2025

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VAVs/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
3B-01	VAV	EXISTING	1100	1154	110	115	0	0	1447

Completed By: Aaron Cosby on 03/26/2025

Asset	Notes	Date	Written By
3B-01	diffuser 1 missing grille. unable to properly reduce airflow on duct sidewall diffusers due to damper not covering entire face. GM 3/26/25	03/26/2025	Gabe Merk

Diffuser Supply (GRD)

3B-01/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3B-01-SGRD1	324	CD	8	200	75	97	48.5
3B-01-SGRD2	322	CD	14X6	300	235	354	118.0
3B-01-SGRD3	322	CD	14X6	300	257	356	118.7
3B-01-SGRD4	322	CD	14X6	300	274	347	115.7
Total				1100	841	1154	104.91%

Completed By: Aaron Cosby on 03/26/2025

Asset	Notes	Date	Written By
3B-01-SGRD2	k=0.48	03/26/2025	Gabe Merk

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Project: SNC Office Improvements (Miamisburg, OH)

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)
3B-02	VAV	EXISTING	1000	992	190	190	0	0	1899

Completed By: Aaron Cosby on 03/31/2025

Diffuser Supply (GRD)

3B-02/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3B-02-SGRD1	333	CD	8	250	170	244	97.6
3B-02-SGRD2	333	CD	8	250	156	233	93.2
3B-02-SGRD3	333	CD	8	250	174	246	98.4
3B-02-SGRD4	333	CD	8	250	182	269	107.6
Total				1000	682	992	99.2%

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Project: SNC Office Improvements (Miamisburg, OH)

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)
3B-03	VAV	EXISTING	1525	1536	150	153	0	0	3654

Completed By: Aaron Cosby on 03/26/2025

Diffuser Supply (GRD)

3B-03/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3B-03-SGRD1	322	CD	14	375	303	382	101.9
3B-03-SGRD2	322	CD	14	375	300	372	99.2
3B-03-SGRD3	322	CD	14	375	438	389	103.7
3B-03-SGRD4	322	CD	14	400	407	393	98.3
Total				1525	1448	1536	100.72%

Completed By: Gabe Merk on 03/26/2025

National TAB

Project: SNC Office Improvements (Miamisburg, OH)

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)
3B-04	VAV	EXISTING	800	828	80	80	0	0	1881

Completed By: Aaron Cosby on 03/31/2025

Diffuser Supply (GRD)

3B-04/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3B-04-SGRD1	318	CD	8	200	139	212	106.0
3B-04-SGRD2	317	CD	8	200	112	183	91.5
3B-04-SGRD3	318	CD	8	200	136	218	109.0
3B-04-SGRD4	317	CD	8	200	141	219	109.5
Total				800	528	832	104%

National TAB

Project: SNC Office Improvements (Miamisburg, OH)

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)
3B-05	VAV	EXISTING	150	300	15	15	0	0	919

Completed By: Aaron Cosby on 03/28/2025

Diffuser Supply (GRD)

3B-05/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3B-05-SGRD1	327	CD	10	300	560	302	100.7
Total				300	560	302	100.67%

National TAB

Project: SNC Office Improvements (Miamisburg, OH)

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)
3B-06	VAV	EXISTING	75	75	7.5	7.5	0	0	506

Completed By: Aaron Cosby on 03/28/2025

Diffuser Supply (GRD)

3B-06/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3B-06-SGRD1	328	CD	6	75	85	80	106.7
Total				75	85	80	106.67%

National TAB

Project: SNC Office Improvements (Miamisburg, OH)

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)
3B-07	VAV	EXISTING	1100	1084	110	110	0	0	1453

Completed By: Aaron Cosby on 03/31/2025

Diffuser Supply (GRD)

3B-07/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3B-07-SGRD1	348	CD	8	275	188	276	100.4
3B-07-SGRD2	352	CD	8	275	122	257	93.5
3B-07-SGRD3	351	CD	8	275	216	277	100.7
3B-07-SGRD4	349	CD	8	275	248	274	99.6
Total				1100	774	1084	98.55%

National TAB

Project: SNC Office Improvements (Miamisburg, OH)

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)
3B-08	VAV	EXISTING	1500	1470	150	150	0	0	3839

Completed By: Aaron Cosby on 03/26/2025

Asset	Notes	Date	Written By
3B-08	.54 kfactor	03/26/2025	Aaron Cosby

Diffuser Supply (GRD)

3B-08/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3B-08-SGRD1	353	CD	14	375	636	341	90.9
3B-08-SGRD2	353	CD	14	375	369	380	101.3
3B-08-SGRD3	353	CD	14	375	640	345	92.0
3B-08-SGRD4	353	CD	14	375	556	404	107.7
Total				1500	2201	1470	98%

National TAB

Project: SNC Office Improvements (Miamisburg, OH)

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)
3B-09	VAV	EXISTING	800	767	80	80	0	0	2158

Completed By: Aaron Cosby on 03/28/2025

Asset	Notes	Date	Written By
3B-09	UNABLE TO BALANCE. WITH ALL DAMPERS CLOSED, AIR STILL TOO LOW ON DIFFUSER 1	03/28/2025	Aaron Cosby

Diffuser Supply (GRD)

3B-09/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3B-09-SGRD1	324	CD	8	200	97	89	44.5
3B-09-SGRD2	353	CD	12	150	215	147	98.0
3B-09-SGRD3	353	CD	12	150	216	152	101.3
3B-09-SGRD4	353	CD	12	150	484	147	98.0
3B-09-SGRD5	353	CD	12	150	378	232	154.7
Total				800	1390	767	95.88%

National TAB

Project: SNC Office Improvements (Miamisburg, OH)

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)
VAV 03-312	VAV	EXISTING	400	394	40	43	0	0	944

Completed By: Aaron Cosby on 03/31/2025

Diffuser Supply (GRD)

VAV 03-312/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV 03-312-SGRD1	359	CD	8	200	249	205	102.5
VAV 03-312-SGRD2	313	CD	8	200	145	192	96.0
Total				400	394	397	99.25%

Completed By: Gabe Merk on 03/27/2025