

Ventilation Sizing Summary for FLOOR 3

1. Summary
 Ventilation Sizing Method ASHRAE Std 62.1-2019
 Design Condition Minimum Row (Heating)
 Occupant Diversity (D) 1.000
 Unmanned Outdoor Air Intake (Uoi) 7899 CFM
 System Ventilation Efficiency (Ev) 0.800
 Outdoor Air Intake (Voi) 9512 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Minimum Supply Air (CFM)	Space Floor Area (Sq Ft)	Area Outdoor Air Rate (CFM/Sq Ft)	Average Occupancy (Persons)	Time Averaged Outdoor Air Rate (CFM/Person)	People Distribution Effectiveness (Ed)	Air Distribution Effectiveness (Ea)	Space Outdoor Air (CFM)	Breathing Zone Outdoor Air (CFM)	Space Ventilation Efficiency (Ev)
EXTERIOR										
3 FL EX 697 OPEN OFF NE	1	92	640.0	0.06	7.0	5.00	0.80	92	73	0.800
3 FL EX 697 OPEN OFF NW	1	125	995.0	0.06	8.0	5.00	0.80	125	100	0.800
3 FL EX 700 OPEN OFF NE	1	96	640.0	0.06	8.0	5.00	0.80	96	69	0.800
3 FL EX 700 OPEN OFF SE	1	131	995.0	0.06	8.0	5.00	0.80	131	105	0.800
3 FL EX 719 OPEN OFF	1	84	705.0	0.06	5.0	5.00	0.80	84	67	0.800
3 FL EX 722 OPEN OFF	1	163	1340.0	0.06	10.0	5.00	0.80	163	131	0.800
3 FL EX 724 OPEN OFF	1	67	480.0	0.06	5.0	5.00	0.80	67	54	0.800
3 FL EX 735 OPEN OFF SE	1	78	540.0	0.06	8.0	5.00	0.80	78	62	0.800
3 FL EX 735 OPEN OFF SW	1	58	485.0	0.06	3.0	5.00	0.80	58	44	0.800
3 FL EX 733 OPEN OFF NE	1	154	1220.0	0.06	10.0	5.00	0.80	154	123	0.800
3 FL EX 733 OPEN OFF NW	1	92	640.0	0.06	7.0	5.00	0.80	92	73	0.800
3 FL EX 733 OPEN OFF	1	62	485.0	0.06	4.0	5.00	0.80	62	50	0.800
3 FL EX 782 OPEN OFF NW	1	92	640.0	0.06	7.0	5.00	0.80	92	73	0.800
3 FL EX 782 OPEN OFF SW	1	154	1220.0	0.06	10.0	5.00	0.80	154	123	0.800
3 FL EX 782 OPEN OFF	1	112	910.0	0.06	7.0	5.00	0.80	112	90	0.800
3 FL EX 914 PUB SQR	1	111	565.0	0.06	11.0	5.00	0.80	111	89	0.800
INTERIOR										
3 FL IN 1007 COPY	1	28	370.0	0.06	0.0	5.00	0.80	28	23	0.800
3 FL IN 1024 COATS	1	21	280.0	0.06	0.0	5.00	0.80	21	17	0.800
3 FL IN 697 OPEN OFF	1	597	3095.0	0.06	48.0	5.00	0.80	597	446	0.800
3 FL IN 700 OPEN OFF	1	596	3075.0	0.06	48.0	5.00	0.80	596	446	0.800
3 FL IN 701 CONF	1	105	395.0	0.06	12.0	5.00	0.80	105	84	0.800
3 FL IN 719 OPEN OFF	1	408	2880.0	0.06	29.0	5.00	0.80	408	324	0.800
3 FL IN 722 OPEN OFF	1	720	4845.0	0.06	57.0	5.00	0.80	720	576	0.800
3 FL IN 728 COPY	1	39	515.0	0.06	0.0	5.00	0.80	39	31	0.800
3 FL IN 734 OPEN OFF	1	242	1960.0	0.06	22.0	5.00	0.80	242	194	0.800
3 FL IN 735 OPEN OFF	1	164	1180.0	0.06	12.0	5.00	0.80	164	131	0.800
3 FL IN 736 OPEN COLLAB	1	52	195.0	0.06	6.0	5.00	0.80	52	42	0.800
3 FL IN 737 CONF	1	118	400.0	0.06	14.0	5.00	0.80	118	94	0.800
3 FL IN 740 VENDING	1	29	380.0	0.06	0.0	5.00	0.80	29	23	0.800

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3 FL IN 741 STOR	1	12	160.0	0.06	0.0	5.00	0.80	12	10	0.800
3 FL IN 742 CONF	1	67	220.0	0.06	8.0	5.00	0.80	67	53	0.800
3 FL IN 743 NEIGHBOR	1	49	190.0	0.06	6.0	5.00	0.80	49	39	0.800
3 FL IN 745 NEIGHBOR	1	50	165.0	0.06	6.0	5.00	0.80	50	40	0.800
3 FL IN 750 OPEN COLLAB	1	72	465.0	0.06	8.0	5.00	0.80	72	58	0.800
3 FL IN 760 OPEN OFF	1	85	630.0	0.06	6.0	5.00	0.80	85	68	0.800
3 FL IN 751 RDM	1	12	165.0	0.06	0.0	5.00	0.80	12	10	0.800
3 FL IN 753 OPEN OFF	1	597	4455.0	0.06	42.0	5.00	0.80	597	477	0.800
3 FL IN 756 OPEN COLLAB	1	54	225.0	0.06	6.0	5.00	0.80	54	44	0.800
3 FL IN 763 OPEN OFF	1	516	3460.0	0.06	41.0	5.00	0.80	516	413	0.800
3 FL IN 764 PANTRY	1	77	615.0	0.06	6.0	5.00	0.80	77	62	0.800
3 FL IN 771 STOR	1	7	95.0	0.06	0.0	5.00	0.80	7	6	0.800
3 FL IN 772 COPY	1	29	380.0	0.06	0.0	5.00	0.80	29	23	0.800
3 FL IN 782 OPEN OFF	1	643	4410.0	0.06	50.0	5.00	0.80	643	513	0.800
3 FL IN 785 OPEN COLLAB	1	54	225.0	0.06	6.0	5.00	0.80	54	44	0.800
3 FL IN 792 OPEN OFF	1	522	3460.0	0.06	42.0	5.00	0.80	522	418	0.800
3 FL IN 913 PUB SQR	1	223	1135.0	0.06	22.0	5.00	0.80	223	179	0.800
3 FL IN 914 PUB SQR	1	403	1960.0	0.06	41.0	5.00	0.80	403	322	0.800
3 FL IN 915 OPEN COLLAB	1	37	495.0	0.06	0.0	5.00	0.80	37	30	0.800
3 FL IN 922 WELLNESS	1	15	110.0	0.06	1.0	5.00	0.80	15	12	0.800
3 FL IN 924 STOR	1	6	85.0	0.06	0.0	5.00	0.80	6	5	0.800
3 FL IN 970 PANTRY	1	74	570.0	0.06	5.0	5.00	0.80	74	59	0.800
3 FL IN 971 COATS	1	24	315.0	0.06	0.0	5.00	0.80	24	19	0.800
3 FL IN 972 COATS	1	19	250.0	0.06	0.0	5.00	0.80	19	15	0.800
3 FL IN 981 OPEN COLLAB	1	51	185.0	0.06	6.0	5.00	0.80	51	41	0.800
3 FL IN 982 OPEN COLLAB	1	54	215.0	0.06	6.0	5.00	0.80	54	43	0.800
3 FL IN CONF (#4)	4	65	205.0	0.06	8.0	5.00	0.80	65	52	0.800
3 FL IN CORRIDOR #1	1	16	215.0	0.06	0.0	5.00	0.80	16	13	0.800
3 FL IN CORRIDOR #2	1	18	1035.0	0.06	0.0	5.00	0.80	18	15	0.800
3 FL IN ELEV LOBBY	1	23	300.0	0.06	0.0	5.00	0.80	23	18	0.800
3 FL IN FOCUS (#14)	14	17	85.0	0.06	2.0	5.00	0.80	17	14	0.800
3 FL IN NEIGHBOR (#4)	4	51	195.0	0.06	6.0	5.00	0.80	51	41	0.800
3 FL IN NEIGHBOR (#7)	7	35	130.0	0.06	4.0	5.00	0.80	35	28	0.800
Totals (incl. Space Multipliers)			9512						7699	0.800

HO3 - THRID FLOOR AIR OUTSIDE AIR TABLE
 NO SCALE

- OUTSIDE AIR CALCULATION/TABLE NOTES:
 (APPLY THIS SHEET ONLY)
- BALANCE OUTSIDE AIR SYSTEM SERVING THE SPACE TO PROVIDE, AT A MINIMUM, THE OUTSIDE AIR RATE INDICATED.
 - MECHANICAL SYSTEMS FOR VAVS HAVE BEEN DESIGNED TO PROVIDE A SUPPLY AIR TEMPERATURE LESS THAN 15°F ABOVE SPACE TEMPERATURE AND REACH WITHIN 4 FEET OF FLOOR LEVEL AT 150 FPM.

Ventilation Sizing Summary for FLOOR 4

1. Summary
 Ventilation Sizing Method ASHRAE Std 62.1-2019
 Design Condition Minimum Row (Heating)
 Occupant Diversity (D) 1.000
 Unmanned Outdoor Air Intake (Uoi) 7899 CFM
 System Ventilation Efficiency (Ev) 0.800
 Outdoor Air Intake (Voi) 9798 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Minimum Supply Air (CFM)	Space Floor Area (Sq Ft)	Area Outdoor Air Rate (CFM/Sq Ft)	Average Occupancy (Persons)	Time Averaged Outdoor Air Rate (CFM/Person)	People Distribution Effectiveness (Ed)	Air Distribution Effectiveness (Ea)	Space Outdoor Air (CFM)	Breathing Zone Outdoor Air (CFM)	Space Ventilation Efficiency (Ev)
EXTERIOR										
4 FL EX 793 OPEN OFF NE	1	52	640.0	0.06	7.0	5.00	0.80	52	43	0.800
4 FL EX 793 OPEN OFF NW	1	125	995.0	0.06	8.0	5.00	0.80	125	100	0.800
4 FL EX 796 OPEN OFF NE	1	99	640.0	0.06	6.0	5.00	0.80	99	69	0.800
4 FL EX 796 OPEN OFF SE	1	137	995.0	0.06	10.0	5.00	0.80	137	110	0.800
4 FL EX 817 OPEN OFF	1	90	705.0	0.06	6.0	5.00	0.80	90	72	0.800
4 FL EX 825 OPEN OFF	1	154	1220.0	0.06	10.0	5.00	0.80	154	123	0.800
4 FL EX 834 OPEN OFF NW	1	92	640.0	0.06	7.0	5.00	0.80	92	75	0.800
4 FL EX 834 OPEN OFF	1	58	495.0	0.06	3.0	5.00	0.80	58	45	0.800
4 FL EX 858 OPEN OFF NW	1	92	640.0	0.06	7.0	5.00	0.80	92	75	0.800
4 FL EX 858 OPEN OFF SW	1	154	1220.0	0.06	10.0	5.00	0.80	154	123	0.800
4 FL EX 869 OPEN OFF SE	1	78	540.0	0.06	6.0	5.00	0.80	78	62	0.800
4 FL EX 869 OPEN OFF SW	1	65	485.0	0.06	3.0	5.00	0.80	65	46	0.800
4 FL EX 874 OPEN OFF	1	67	480.0	0.06	5.0	5.00	0.80	67	54	0.800
4 FL EX 888 OPEN OFF	1	112	910.0	0.06	7.0	5.00	0.80	112	90	0.800
4 FL EX 888 OPEN OFF	1	163	1345.0	0.06	10.0	5.00	0.80	163	131	0.800
4 FL EX 904 PUB SQUARE	1	112	575.0	0.06	11.0	5.00	0.80	112	90	0.800
INTERIOR										
4 FL IN 793 OPEN OFF	1	558	3920.0	0.06	48.0	5.00	0.80	558	446	0.800
4 FL IN 794 PANTRY	1	74	570.0	0.06	5.0	5.00	0.80	74	59	0.800
4 FL IN 796 OPEN OFF	1	549	3075.0	0.06	45.0	5.00	0.80	549	440	0.800
4 FL IN 797 OPEN COLLAB	1	52	190.0	0.06	6.0	5.00	0.80	52	41	0.800
4 FL IN 805 CONF	1	92	395.0	0.06	10.0	5.00	0.80	92	74	0.800
4 FL IN 812 OPEN COLLAB	1	54	215.0	0.06	6.0	5.00	0.80	54	43	0.800
4 FL IN 814 COPY	1	26	350.0	0.06	0.0	5.00	0.80	26	21	0.800
4 FL IN 815 WELLNESS	1	15	110.0	0.06	1.0	5.00	0.80	15	12	0.800
4 FL IN 816 PRINT	1	8	110.0	0.06	0.0	5.00	0.80	8	7	0.800
4 FL IN 817 OPEN OFF	1	422	2985.0	0.06	32.0	5.00	0.80	422	338	0.800
4 FL IN 819 CONF	1	68	245.0	0.06	8.0	5.00	0.80	68	55	0.800
4 FL IN 823 OPEN OFF	1	615	4455.0	0.06	49.0	5.00	0.80	615	493	0.800
4 FL IN 823 OPEN COLL	1	62	325.0	0.06	6.0	5.00	0.80	62	50	0.800

Ventilation Sizing Summary for FLOOR 4

4 FL IN 834 OPEN OFF	1	523	3475.0	0.06	42.0	5.00	0.80	523	419	0.800
4 FL IN 835 PANTRY	1	77	615.0	0.06	6.0	5.00	0.80	77	62	0.800
4 FL IN 843 COPY	1	29	380.0	0.06	0.0	5.00	0.80	29	23	0.800
4 FL IN 847 OPEN COLLAB	1	54	225.0	0.06	6.0	5.00	0.80	54	44	0.800
4 FL IN 858 OPEN OFF	1	581	4410.0	0.06	40.0	5.00	0.80	581	465	0.800
4 FL IN 865 COPY	1	33	440.0	0.06	0.0	5.00	0.80	33	26	0.800
4 FL IN 869 OPEN OFF	1	164	1180.0	0.06	12.0	5.00	0.80	164	131	0.800
4 FL IN 870 OPEN COLLAB	1	52	195.0	0.06	6.0	5.00	0.80	52	42	0.800
4 FL IN 871 CONF	1	118	400.0	0.06	14.0	5.00	0.80	118	94	0.800
4 FL IN 874 OPEN OFF	1	211	1560.0	0.06	15.0	5.00	0.80	211	169	0.800
4 FL IN 875 VENDING	1	29	380.0	0.06	0.0	5.00	0.80	29	23	0.800
4 FL IN 876 PUB SQR	1	223	1140.0	0.06	22.0	5.00	0.80	223	179	0.800
4 FL IN 877 NEIGHBOR	1	49	150.0							