

AMENITIES OUTSIDE AIR CALCULATIONS

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AHU-1	<b>1. Summary</b> Ventilation Sizing Method ..... ASHRAE Std 62.1-2013 Design Condition ..... Cooling operation Occupant Diversity (D) ..... 1.000 Uncorrected Outdoor Air Intake (Vou) ..... 187 CFM System Ventilation Efficiency (Ev) ..... 1.000 Outdoor Air Intake (Vot) ..... 187 CFM												
	<b>2. Space Ventilation Analysis</b>												
	Zone Name / Space Name	Mult.	Supply Air (CFM)	Space Floor Area (ft²)	Area Outdoor Air Rate (CFM/ft²)	Time Averaged Occupancy (Pz)	People Outdoor Air Rate (CFM/person)	Air Distribution Effectiveness (Ez)	Air Outdoor Air (CFM)	Space Outdoor Air (CFM)	Breathing Zone Outdoor Air (CFM)	Space Ventilation Efficiency (Evz)	
	Zone 1												
	1 ahu closet	1	1	32.0	0.00	0.0	0.00	1.0	0	0	0	1.170	
	1 Conservatory	1	1099	950.0	0.06	26.0	5.00	1.0	187	187	187	1.000	
	<b>Totals (incl. Space Multipliers)</b>		<b>1100</b>								<b>187</b>	<b>1.000</b>	
	AHU-2	<b>1. Summary</b> Ventilation Sizing Method ..... ASHRAE Std 62.1-2013 Design Condition ..... Cooling operation Occupant Diversity (D) ..... 0.900 Uncorrected Outdoor Air Intake (Vou) ..... 372 CFM System Ventilation Efficiency (Ev) ..... 0.939 Outdoor Air Intake (Vot) ..... 396 CFM											
		<b>2. Space Ventilation Analysis</b>											
		Zone Name / Space Name	Mult.	Supply Air (CFM)	Space Floor Area (ft²)	Area Outdoor Air Rate (CFM/ft²)	Time Averaged Occupancy (Pz)	People Outdoor Air Rate (CFM/person)	Air Distribution Effectiveness (Ez)	Air Outdoor Air (CFM)	Space Outdoor Air (CFM)	Breathing Zone Outdoor Air (CFM)	Space Ventilation Efficiency (Evz)
Zone 1													
2 circulation		1	143	730.0	0.06	1.0	0.00	1.0	44	44	44	0.960	
2 Co-Working		1	309	486.0	0.06	14.0	5.00	1.0	99	99	99	0.945	
2 entry corridor		1	72	319.0	0.06	1.0	0.00	1.0	19	19	19	1.000	
2 mail corridor		1	92	440.0	0.06	2.0	0.00	1.0	26	26	26	0.979	
2 Maker Space		1	238	272.0	0.06	10.0	5.00	1.0	66	66	66	0.987	
2 Mens RR		1	14	203.0	0.00	0.0	0.00	1.0	0	0	0	1.266	
2 Package Room	1	89	242.0	0.06	0.0	10.00	1.0	15	15	15	1.054		
2 Portico Lounge	1	83	257.0	0.06	2.0	5.00	1.0	25	25	25	0.965		
2 Reception Lounge	1	206	456.0	0.06	8.0	5.00	1.0	67	67	67	0.939		
2 Womens RR	1	34	252.0	0.00	1.0	0.00	1.0	0	0	0	1.266		
2 Work Room	1	139	296.0	0.06	2.0	5.00	1.0	28	28	28	0.965		
<b>Totals (incl. Space Multipliers)</b>		<b>1400</b>								<b>372</b>	<b>0.939</b>		
AHU-3	<b>1. Summary</b> Ventilation Sizing Method ..... ASHRAE Std 62.1-2013 Design Condition ..... Heating operation Occupant Diversity (D) ..... 1.000 Uncorrected Outdoor Air Intake (Vou) ..... 176 CFM System Ventilation Efficiency (Ev) ..... 0.904 Outdoor Air Intake (Vot) ..... 195 CFM												
	<b>2. Space Ventilation Analysis</b>												
	Zone Name / Space Name	Mult.	Supply Air (CFM)	Space Floor Area (ft²)	Area Outdoor Air Rate (CFM/ft²)	Time Averaged Occupancy (Pz)	People Outdoor Air Rate (CFM/person)	Air Distribution Effectiveness (Ez)	Air Outdoor Air (CFM)	Space Outdoor Air (CFM)	Breathing Zone Outdoor Air (CFM)	Space Ventilation Efficiency (Evz)	
	Zone 1												
	3 Conference Room	1	238	184.0	0.06	10.0	5.00	0.8	51	49	49	0.910	
	3 Managers Closet	1	2	36	0.00	0.0	0.00	0.8	0	0	0	1.126	
	3 Office 1	1	127	113.0	0.06	1.0	5.00	0.8	21	17	17	0.960	
	3 Office 2	1	186	124.0	0.06	2.0	5.00	0.8	22	17	17	1.008	
	3 Reading Nook	1	126	122.0	0.06	2.0	5.00	0.8	22	17	17	0.954	
	3 Vestibule	1	294	129.0	0.06	0.0	0.00	0.8	10	8	8	1.093	
3 Work Pods	1	428	431.0	0.06	10.0	5.00	0.8	95	79	79	0.904		
<b>Totals (incl. Space Multipliers)</b>		<b>1400</b>								<b>176</b>	<b>0.904</b>		
AHU-4	<b>1. Summary</b> Ventilation Sizing Method ..... ASHRAE Std 62.1-2013 Design Condition ..... Cooling operation Occupant Diversity (D) ..... 1.000 Uncorrected Outdoor Air Intake (Vou) ..... 159 CFM System Ventilation Efficiency (Ev) ..... 0.973 Outdoor Air Intake (Vot) ..... 163 CFM												
	<b>2. Space Ventilation Analysis</b>												
	Zone Name / Space Name	Mult.	Supply Air (CFM)	Space Floor Area (ft²)	Area Outdoor Air Rate (CFM/ft²)	Time Averaged Occupancy (Pz)	People Outdoor Air Rate (CFM/person)	Air Distribution Effectiveness (Ez)	Air Outdoor Air (CFM)	Space Outdoor Air (CFM)	Breathing Zone Outdoor Air (CFM)	Space Ventilation Efficiency (Evz)	
	Zone 1												
	4 Club Lounge	1	405	446.0	0.06	7.0	5.00	1.0	62	62	62	0.992	
	4 Corridor	1	219	263.0	0.06	1.0	0.00	1.0	16	16	16	1.073	
	4 Media Hub	1	476	356.0	0.06	12.0	5.00	1.0	81	81	81	0.973	
	<b>Totals (incl. Space Multipliers)</b>		<b>1100</b>								<b>159</b>	<b>0.973</b>	

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AHU-6	<b>1. Summary</b> Ventilation Sizing Method ..... ASHRAE Std 62.1-2013 Design Condition ..... Cooling operation Occupant Diversity (D) ..... 1.000 Uncorrected Outdoor Air Intake (Vou) ..... 352 CFM System Ventilation Efficiency (Ev) ..... 0.865 Outdoor Air Intake (Vot) ..... 407 CFM												
	<b>2. Space Ventilation Analysis</b>												
	Zone Name / Space Name	Mult.	Supply Air (CFM)	Space Floor Area (ft²)	Area Outdoor Air Rate (CFM/ft²)	Time Averaged Occupancy (Pz)	People Outdoor Air Rate (CFM/person)	Air Distribution Effectiveness (Ez)	Air Outdoor Air (CFM)	Space Outdoor Air (CFM)	Breathing Zone Outdoor Air (CFM)	Space Ventilation Efficiency (Evz)	
	Zone 1												
	6 AHU closet	1	4	10.0	0.00	0.0	0.00	1.0	0	0	0	1.251	
	6 Tunnel (lower)	1	710	613.0	0.06	10.0	5.00	1.0	87	87	87	1.129	
	6 Tunnel (Upper)	1	686	846.0	0.06	15.0	5.00	1.0	266	266	266	0.865	
	<b>Totals (incl. Space Multipliers)</b>		<b>1400</b>								<b>352</b>	<b>0.865</b>	
	AHN-F1	<b>1. Summary</b> Ventilation Sizing Method ..... ASHRAE Std 62.1-2013 Design Condition ..... Cooling operation Occupant Diversity (D) ..... 1.000 Uncorrected Outdoor Air Intake (Vou) ..... 282 CFM System Ventilation Efficiency (Ev) ..... 0.941 Outdoor Air Intake (Vot) ..... 300 CFM											
		<b>2. Space Ventilation Analysis</b>											
Zone Name / Space Name		Mult.	Supply Air (CFM)	Space Floor Area (ft²)	Area Outdoor Air Rate (CFM/ft²)	Time Averaged Occupancy (Pz)	People Outdoor Air Rate (CFM/person)	Air Distribution Effectiveness (Ez)	Air Outdoor Air (CFM)	Space Outdoor Air (CFM)	Breathing Zone Outdoor Air (CFM)	Space Ventilation Efficiency (Evz)	
Zone 1													
1 AHU closet		1	1	30.0	0.00	0.0	0.00	1.0	0	0	0	1.230	
F1 R		1	3	81.0	0.00	0.0	0.00	1.0	0	0	0	1.230	
F1 weight		1	682	438.0	0.06	5.0	20.00	1.0	126	126	126	1.045	
F1 yoga		1	539	267.0	0.06	7.0	20.00	1.0	156	156	156	0.941	
<b>Totals (incl. Space Multipliers)</b>			<b>1225</b>								<b>282</b>	<b>0.941</b>	
AHU-F2		<b>1. Summary</b> Ventilation Sizing Method ..... ASHRAE Std 62.1-2013 Design Condition ..... Cooling operation Occupant Diversity (D) ..... 1.000 Uncorrected Outdoor Air Intake (Vou) ..... 283 CFM System Ventilation Efficiency (Ev) ..... 1.000 Outdoor Air Intake (Vot) ..... 283 CFM											
	<b>2. Space Ventilation Analysis</b>												
	Zone Name / Space Name	Mult.	Supply Air (CFM)	Space Floor Area (ft²)	Area Outdoor Air Rate (CFM/ft²)	Time Averaged Occupancy (Pz)	People Outdoor Air Rate (CFM/person)	Air Distribution Effectiveness (Ez)	Air Outdoor Air (CFM)	Space Outdoor Air (CFM)	Breathing Zone Outdoor Air (CFM)	Space Ventilation Efficiency (Evz)	
	Zone 1												
	F2 weight	1	1400	1057.0	0.06	11.0	20.00	1.0	283	283	283	1.000	
	<b>Totals (incl. Space Multipliers)</b>		<b>1400</b>								<b>283</b>	<b>1.000</b>	

