



LEED 2009 for Commercial Interiors

IEQ PREREQUISITE 1: MINIMUM INDOOR AIR QUALITY PERFORMANCE

Project # [REDACTED]

All fields and uploads are required unless otherwise noted

THRESHOLD ATTEMPTED

Points Attempted: 0

ALL OPTIONS

Select all that apply to the project building:

- ☒ The project building is mechanically ventilated, in part or in whole.
- ☐ The project building is naturally ventilated, in part or in whole.
- ☒ The project building is mechanically conditioned, in part or in whole.
- ☐ The project building is naturally conditioned, in part or in whole.

The project meets Sections 4 through 7 of ASHRAE Standard 62.1-2007, Ventilation for Acceptable Indoor Air Quality.

Signatory: [REDACTED]; MEP Engineer; November 19, [REDACTED]

REQUIRED SIGNATORY

Initial Here : [REDACTED]

VENTILATION
SYSTEMS
DESIGNER

MECHANICAL VENTILATION

Select all that apply to the project building:

- ☒ **Case 1:** One or more AHUs are able to meet the ASHRAE Standard 62.1-2007 outdoor air requirement.
- ☐ **Case 2:** One or more AHUs are unable to meet the ASHRAE Standard 62.1-2007 outdoor air requirement.

AHUs THAT MEET ASHRAE STANDARD 62.1-2007 OUTDOOR AIR REQUIREMENTS

Complete the following table for each air-handling unit in the project space that is able to meet the ASHRAE Standard 62.1-2007 outdoor ventilation rate requirement.

Table. Ventilation Rate Procedure

AHU	Zone	Occupancy Category	Rp (cfm / person)	Ra (cfm/sf)	Occupant Density		Az (sf)	Vbz (cfm)	Ez	Voz (cfm)	Ev	Vot (cfm)
					Default	#/1000sf						
SAC-2-1	VAV-A-263	Office Space	5	0.06	☐ Yes	6	184	16.56	0.8	21	0.981	21.41
SAC-2-1	VAV-B-262	Office Space	5	0.06	☐ Yes	19	167	25.89	0.8	32	0.931	34.37
SAC-2-1	VAV-A-256	Office Space	5	0.06	☐ Yes	10	274	30.14	0.8	38	0.6671	56.96
SAC-2-1	VAV-A-258	Office Space	5	0.06	☐ Yes	14	344	44.72	0.8	56	0.613	91.35
SAC-2-1	VAV-B-260	Office Space	5	0.06	☐ Yes	9	219	23	0.8	29	0.949	30.56
SAC-2-1	VAV-A-252	Pantry / Storage	0	0.12	☐ Yes	0	133	15.96	0.8	20	0.983	20.35
SAC-2-1	VAV-C-250	Conference / meeting	5	0.06	☐ Yes	44	457	127.96	0.8	160	0.603	265.34
SAC-2-1	VAV-B-227	Office Space	5	0.06	☐ Yes	9	545	57.23	0.8	72	0.741	97.17
SAC-2-1	VAV-A-232	Office Space	5	0.06	☐ Yes	6	167	15.03	0.8	19	0.915	20.77
SAC-2-1	VAV-A-233	Storage rooms	0	0.12	☐ Yes	0	73	8.76	0.8	11	1	11
SAC-2-1	VAV-B-234	Shipping / receiving	0	0.12	☐ Yes	0	514	61.68	0.8	77	0.635	121.26
SAC-2-1	VAV-C-236	Conference / meeting	5	0.06	☐ Yes	32	500	110	0.8	138	0.672	205.36
SAC-2-1	VAV-B-201	Reception Areas	5	0.06	☐ Yes	2	457	31.99	0.8	40	0.86	46.51
SAC-2-1	VAV-C-209	Office Space	5	0.06	☐ Yes	5	575	48.88	0.8	61	0.92	66.3
SAC-2-1	VAV-FG-20	Conference / meeting	5	0.06	☐ Yes	25	1,180	218.3	0.8	273	0.875	312
SAC-2-1	VAV-G-205	Storage rooms	0	0.12	☐ Yes	0	368	44.16	0.8	55	0.853	64.48
SAC-2-1	VAV-BBC-2	Open Office Area	5	0.06	☐ Yes	6	2,370	213.3	0.8	267	0.825	323.64
SAC-2-2	VAV-CF-25	Open Office Area	5	0.06	☐ Yes	8	1,835	183.5	0.8	229	0.928	246.77
SAC-2-2	VAV-B-226	Conference / meeting	5	0.06	☐ Yes	35	336	78.96	0.8	99	0.452	219.03
SAC-2-2	VAV-F-219	Office Space	5	0.06	☐ Yes	6	524	47.16	0.8	59	1	59
SAC-2-2	VAV-C-218	Office Space	5	0.06	☐ Yes	5	204	17.34	0.8	22	1	22
SAC-2-2	VAV-A-222	Office Space	5	0.06	☐ Yes	6	220	19.8	0.8	25	0.875	28.57
SAC-2-2	VAV-CCC	Open Office Area	5	0.06	☐ Yes	7	4,163	395.49	0.8	494	0.835	591.62
Existing Sy	Elev. Lobby	Corridors	0	0.06	☐ Yes	0	670	40.2	0.8	50	1	50
Existing Sy	Corridor	Corridors	0	0.06	☐ Yes	0	3,046	182.76	0.8	228	0.981	232.42
SAC-2-1	Sto. 238	Storage rooms	0	0.12	☐ Yes	0	243	29.16	0.8	36	0.929	38.75
Exhaust Sy	Toilet	Toilet	0	0	☐ Yes	0	625	0	0		0	
Exhaust Sy	Mech/Elect	Mech/Elect. Room	0	0	☐ Yes	0	2,454	0	0		0	
Exhaust Sy	Closet	Misc. Closets	0	0	☐ Yes	0	409	0	0		0	

Add Row

Delete Row

Table. Outdoor Airflow

Save Form

AHU	Zone	Occupancy Category	Vot (cfm)	Design OA Intake Flow (cfm)	Zone Complies with IEQp1	Zone Complies with IEQc2
SAC-2-1	VAV-A-263	Office Space	21.41	64.08	Yes	Yes
SAC-2-1	VAV-B-262	Office Space	34.37	102.75	Yes	Yes
SAC-2-1	VAV-A-256	Office Space	56.96	135.25	Yes	Yes
SAC-2-1	VAV-A-258	Office Space	91.35	193.42	Yes	Yes
SAC-2-1	VAV-B-260	Office Space	30.56	98.67	Yes	Yes
SAC-2-1	VAV-A-252	Pantry / Storage	20.35	67	Yes	Yes
SAC-2-1	VAV-C-250	Conference / meeting	265.34	530.92	Yes	Yes
SAC-2-1	VAV-B-227	Office Space	97.17	245.42	Yes	Yes
SAC-2-1	VAV-A-232	Office Space	20.77	28.16	Yes	Yes
SAC-2-1	VAV-A-233	Storage rooms	11	21.6	Yes	Yes
SAC-2-1	VAV-B-234	Shipping / receiving	121.26	257.5	Yes	Yes
SAC-2-1	VAV-C-236	Conference / meeting	205.36	459.33	Yes	Yes
SAC-2-1	VAV-B-201	Reception Areas	46.51	130.58	Yes	Yes
SAC-2-1	VAV-C-209	Office Space	66.3	211.75	Yes	Yes
SAC-2-1	VAV-FG-20	Conference / meeting	312	862.71	Yes	Yes
SAC-2-1	VAV-G-205	Storage rooms	64.48	178.5	Yes	Yes
SAC-2-1	VAV-BBC-2	Open Office Area	323.64	819.92	Yes	Yes
SAC-2-2	VAV-CF-25	Open Office Area	246.77	833.58	Yes	Yes
SAC-2-2	VAV-B-226	Conference / meeting	219.03	335.25	Yes	Yes
SAC-2-2	VAV-F-219	Office Space	59	196	Yes	Yes
SAC-2-2	VAV-C-218	Office Space	22	108.37	Yes	Yes
SAC-2-2	VAV-A-222	Office Space	28.57	109.92	Yes	Yes
SAC-2-2	VAV-CCCC	Open Office Area	591.62	1,747.75	Yes	Yes
Existing Sy	Elev. Lobby	Corridors	50	232	Yes	Yes
Existing Sy	Corridor	Corridors	232.42	303.75	Yes	Yes
SAC-2-1	Sto. 238	Storage rooms	38.75	60	Yes	Yes
Exhaust Sy	Toilet	Toilet		0		
Exhaust Sy	Mech/Elect	Mech/Elect. Room		0		
Exhaust Sy	Closet	Misc. Closets		0		
Compliance with IEQ Prerequisite 1: Note: The design outdoor air intake flow for all zones must be equal to or greater than the outdoor air ventilation rate required by ASHRAE Standard 62.1-2007, ventilation rate procedure.					Yes	
Compliance with IEQ Credit 2: Note: The design outdoor air intake flow for all zones must be 30% greater than the minimum outdoor air ventilation rate required by ASHRAE Standard 62.1-2007, ventilation rate procedure.					Yes	

Note: OA = Outdoor Airflow Refer to ASHRAE Standard 62 1-2007 Ventilation Rate Procedure and ASHRAE 62MZCalc spreadsheet for detailed definitions and calculation procedures

ADDITIONAL DETAILS

- ☐ Special circumstances preclude documentation of prerequisite compliance with the submittal requirements outlined in this form.
- ☐ The project team is using an alternative compliance approach in lieu of standard submittal paths.

SUMMARY

IEQ Prerequisite 1: Minimum Indoor Air Quality Performance Compliance Documented:	Y
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