

Keller Air Change Rates - Adjusted per 2021 Balancing Report						
UNIT	ROOM [1]	NOTES	AVAIL EA AC/HR [3]	AVAIL MIN SA AC/HR [6]	AVAIL. MIN OA AC/HR [2]	
	230 - STAGE	[4][7]	-	2.5	1.5	
	230B - BACKSTAGE	[7]	-	0.4	0.2	
	238 - REHEARSAL	[7]	-	0.9	0.5	
SU-101		[8]				
	112 - ORCHESTRA		-	1.9	1.0	
	236 - CORRIDOR		-	-	-	
	340 - AUDITORIUM	[4][7]	-	2.5	1.5	
	528 - BALCONY	[4][7]	-	2.5	1.5	
	718 - BALCONY	[4][7]	-	2.5	1.5	
	803 - PROJECTION		-	13.0	7.8	
	804 - TOILET		8.2	-	-	
SU-109						
	538 - REHEARSAL		-	4.4	0.7	
SU-102		[8]				
	326 - VESTIBULE		-	38.1	-	
	327 - TICKET		-	8.8	-	
	328 - VESTIBULE		-	30.2	-	
	330 - VESTIBULE		-	35.3	-	
SU-103						
	304 - LOBBY		-	6.7	1.0	
	305A - VESTIBULE		-	1.6	0.5	
	329 - FOYER		-	3.2	1.1	
	331 - COATS		-	3.3	1.0	
	333 - OFFICE		-	1.5	0.4	
	338 - OFFICE		-	1.3	0.4	
	341 - LOBBY		-	6.9	1.0	
	345 - VESTIBULE		-	1.7	0.5	
SU-104		[8]				
	401 - FOYER		-	8.1	2.0	
	401B - HALL		-	2.6	0.7	
	502 - LOBBY		-	7.6	1.9	
	502B - HALL		-	1.5	0.4	
	521 - FOYER		-	8.0	2.0	
	529 - LOBBY		-	7.8	2.0	
SU-105		[8]				
	702 - LOBBY		-	10.6	0.8	
	712 - FOYER		-	11.9	0.9	
	719 - LOBBY		-	10.5	0.8	
SU-106						
	108 - EQUIPMENT		11.3	-	-	
	109 - JAN		6.8	-	-	
	202 - MANAGER		-	7.4	1.4	
	204A - TOILET		-	-	-	
	206 - OFFICE		-	7.3	1.4	
	207 - VESTIBULE		-	-	-	
	208 - STAIR		-	1.1	0.2	
	209 - CORRIDOR		-	-	-	
	226 - OFFICE		-	0.7	0.1	
	231 - OFFICE		-	0.8	0.2	
	305 - CORRIDOR		-	1.9	0.4	
	306 - LOUNGE		5.8	6.1	1.2	
	308 - MEN		5.9	4.2	0.8	
	402 - CORRIDOR		-	1.6	0.3	
	404 - MEETING		-	16.6	3.2	
	503 - LOUNGE		4.8	5.1	1.0	
	504 - WOMEN		7.0	4.6	0.9	
	505 - JAN		5.2	-	-	
	506 - MEETING		-	13.3	2.6	
	507 - CORRIDOR		-	1.5	0.3	
	509 - MEETING		-	15.6	3.0	
	602 - CORRIDOR		-	1.7	0.3	
	702B - HALL		-	2.2	0.4	
	703 - LOUNGE		7.7	5.7	1.1	
	704 - MEN		13.1	10.3	2.0	
	705 - JANITOR		5.3	-	-	
	706 - CORRIDOR		-	1.4	0.3	
	707 - MEETING		-	14.6	2.8	
SU-107						
	235 - REHEARSAL		-	0.5	0.2	
	237 - EQUIPMENT		-	7.2	1.9	
	346 - LOUNGE		8.6	12.9	3.5	
	348 - CORRIDOR		-	2.3	0.6	
	349 - WOMEN		6.0	7.1	1.9	
	421 - FOYER		-	13.9	3.8	
	421A - CORRIDOR		-	3.6	1.0	
	422 - CORRIDOR		-	2.0	0.5	
	531 - LOUNGE		7.8	11.5	3.1	
	532 - WOMEN		9.8	9.8	2.7	
	533 - JAN		6.9	-	-	

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	534 - CORRIDOR		-	1.2	0.3
	535 - MEETING		-	21.1	5.8
	619 - CORRIDOR		-	1.7	0.5
	721 - LOUNGE		5.0	14.9	4.0
	722 - CORRIDOR		-	2.6	0.7
	723 - JAN		5.3	-	-
	724 - WOMEN		6.4	13.8	3.8
SU-108		[8]			
	101 - MEN		4.9	1.8	1.2
	102 - WOMEN		6.0	2.2	1.5
	103 - LOCKER		6.3	2.0	1.3
	103A - HALL		-	2.6	1.8
	104 - LOCKER		3.7	2.0	1.3
	105 - LIBRARY		-	3.1	2.1
	106 - CORRIDOR		-	0.6	0.4
	107 - LOUNGE		4.8	3.9	2.6
	107B - STORAGE		3.4	-	-
	210 - MEN		7.0	2.6	1.7
	211 - WOMEN		5.6	1.9	1.2
	212 - STAIR		-	2.6	1.7
	213 - CORRIDOR		-	1.5	1.0
	214 - DRESS		-	4.1	2.8
	215 - JAN		6.3	-	-
	216 - TOILET		11.4	-	-
	217 - VESTIBULE		-	-	-
	218 - HALL		-	1.7	1.1
	219 - STAIR		-	2.5	1.7
	220 - DRESS		3.1	4.1	2.8
	221 - TOILET		6.9	-	-
	222 - GREEN		-	2.6	1.8
	223 - MANAGER		-	2.5	1.7
	311 - SHOWER		10.5	3.5	2.3
	313 - TOILET		12.5	15.0	10.0
	314 - CORRIDOR		-	1.0	0.7
	315 - DRESS		5.6	9.1	6.1
	316 - DRESS		5.5	4.4	3.0
	317 - JAN		6.6	-	-
	318 - TOILET		11.0	-	-
	319 - TOILET		13.4	-	-
	320 - DRESS		9.8	6.4	4.3
	321A - TOILET		15.6	-	-
	322 - TOILET		26.2	-	-
	324 - CHOIR		2.0	4.3	2.9
	325 - PATCH		-	1.1	0.7
	405A - TOILET		13.9	-	-
	406 - CORRIDOR		-	1.4	0.9
	407 - SHOWER		10.5	3.5	2.4
	410 - DRESS		6.5	4.5	3.0
	411 - DRESS		6.5	4.6	3.1
	411A - TOILET		8.8	-	-
	412 - JAN		6.8	-	-
	415 - DRESS		8.6	5.3	3.6
	415A - TOILET		14.4	-	-
	417A - TOILET		7.6	-	-
	419A - TOILET		7.6	-	-
	420 - DRESS		3.5	4.5	3.0
	511 - CORRIDOR		-	1.1	0.7
	512 - DRESS		7.9	4.3	2.9
	514 - DRESS		8.2	4.5	3.0
	515 - JAN		6.8	-	-
	516 - SHOWER		14.7	4.9	3.2
	517 - DRESS		9.7	5.2	3.5
	519 - TOILET		8.9	3.0	2.0
	520 - DRESS		4.0	4.3	2.9
	606 - CORRIDOR		-	1.0	0.7
	607 - DRESS		9.0	4.9	3.3
	609 - DRESS		9.3	5.1	3.4
	610 - JAN		6.4	-	-
	611 - SHOWER		9.0	6.0	4.0
	612A - DRESS		12.1	6.4	4.2
	614 - TOILET		11.9	4.0	2.6
	615 - DRESS		3.8	4.3	2.9
	710 - JAN		6.3	-	-
SU-110					
NOTES: <p>[1] SEE EXISTING DESIGN PLANS FOR SPACES AREAS AND ELEVATIONS.</p> <p>[2] THE OA AIR-CHANGE RATE IN EACH SPACE IS BASED ON THE DESIGN SUPPLY AIRFLOW ADJUSTED PER THE 2021 AIR HANDLER BALANCING REPORT USING THE SYSTEM MIN. OUTSIDE AIR TEST (SEE <u>PORTLAND5 COMBINED MECHANICAL REPORT INCLUDING APPENDIX 4 FOR BALANCE TEST DATA AND ADDITIONAL COMMENTS.</u>)</p> <p>[3] THE EXHAUST AIR CHANGE IS BASED ON THE EXISTING DESIGN AND AIRFLOW SHOWN ON PLANS.</p> <p>[4] STAGE, AUDITORIUM, AND BALCONY AREAS CALCULATED AS ONE SPACE.</p> <p>[5] NOT USED.</p> <p>[6] THE SUPPLY AIR CHANGE RATE IS BASED ON THE AIRFLOW NOTED ON THE DESIGN PLANS ADJUSTED PER THE 2021 AIR HANDLER BALANCING REPORT USING THE SYSTEM'S SUPPLY AIR AT THE MIN. OUTSIDE AIR TEST (SEE <u>PORTLAND5 COMBINED MECHANICAL REPORT INCLUDING APPENDIX 4 FOR BALANCE TEST DATA AND ADDITIONAL COMMENTS.</u>)</p> <p>[7] OUTSIDE AIR CHANGE RATES FOR THIS SYSTEM INCLUDES THE ORIGINAL DESIGN CONDITIONS OF THE STAGE UNIT, THE BALANCE DATA DID NOT PROVIDE THIS DATA.</p> <p>[8] OUTSIDE AIR CHANGE IS BASED ON ORIGINAL DESIGN DOCUMENTS; BALANCE TEST DATA DID NOT PROVIDE OA TEST DATA.</p>					