

Hatfield 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]
ASU-1	-				
	615 - MANAGER		-	7.2	0.3
	-		-	-	-
	616 - RECEPTION		-	16.7	0.8
	-		-	-	-
	617 - DEVELOPMENT		-	10.8	0.5
	-		-	-	-
	618 - ACCOUNTING		-	8.2	0.4
	619 - CORRIDOR		-	3.7	0.2
	620 - COPY		-	28.4	1.3
	621 - WOMEN		11.4	-	-
	622 - MEN		11.4	-	-
	623 - STORAGE		-	-	-
	-		-	-	-
	624 - OFFICE		-	10.9	0.5
	-		-	-	-
	625A - RECEPTION		-	7.6	0.3
	-		-	-	-
	625 - RECEPTION		-	15.7	0.7
	626 - CANTEEN		-	-	-
	-		-	-	-
	627 - CONFERENCE		-	19.6	0.9
	-		-	-	-
	628 - OFFICE		-	5.3	0.2
	-		-	-	-
	515 - COSTUME		2.4	3.3	0.1
	-		-	-	-
	516 - TOILET		8.9	-	-
	517 - STUDIO		-	4.5	0.2
	518 - CANTEEN		4.7	-	-
	-		-	-	-
	519 - MANAGER		-	3.2	0.1
	-		-	-	-
	415 - TOILET		13.1	7.6	0.3
	416 - DRESS		-	12.3	0.5
	-		-	-	-
	418 - GREEN		-	7.9	0.4
	-		-	-	-
	417 - TOILET		12.1	-	-
	420 - DRESS		-	6.9	0.3
	421 - TOILET		26.0	12.2	0.6
	422 - TOILET		32.6	13.0	0.7
	423 - DRESS		-	10.9	0.5
	-		-	-	-
	324 - TOILET		17.2	11.2	0.5
	325 - DRESS		-	18.0	0.8
	-		-	-	-
	327 - CONFERENCE		-	13.7	0.6
	-		-	-	-
	329 - DRESS		-	9.1	0.4
	330 - TOILET		32.6	13.0	0.7
	331 - TOILET		26.8	12.2	0.6
	332 - DRESS		-	12.1	0.6
	-		-	-	-
	123 - CLOSET		-	3.5	0.1
	124 - OFFICE		-	4.8	0.2
	-		-	-	-
	131 - STORAGE		-	6.5	0.3
	132 - WAITING		-	7.6	0.3
	-		-	-	-
	140 - DRESS		-	7.4	0.3
	141 - STORAGE		-	3.8	0.2
	143 - UNDERSTAGE		-	3.6	0.2
	145 - STORAGE		-	2.7	0.1
	-		-	-	-
	135 - MEN		10.4	-	-
	136 - WOMEN		10.4	-	-
	138 - MANAGER		-	5.4	0.2
	139 - CREW		-	5.8	0.3
	142 - CORRIDOR		1.7	1.9	0.1
	119 - STORAGE		-	2.9	0.1
	-		-	-	-
	121 - OFFICE		-	4.3	0.2
	123A - STAIR		-	3.5	0.2
	126 - VESTIBULE		-	3.4	0.2
	128 - TICKET		-	5.6	0.3
	-		-	-	-
	111 - STORAGE		-	3.1	0.1
	112 - COATS		-	12.7	0.6
	114 - CORRIDOR		-	4.1	0.2
	146 - HALL		-	3.1	0.1
	-		-	-	-
	118 - RESTAURANT		-	4.6	0.2
	-		-	-	-
	117 - KITCHEN		-	3.5	0.2
	-		-	-	-
	104 - CONTROL		-	35.6	1.6
	-		-	-	-

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	107 - WOMEN		12.1	7.6	0.3
	108 - MEN		12.0	8.8	0.4
	203 - OFFICE		-	5.1	0.2
	204 - STORE		-	5.0	0.2
	308 - MEN		10.0	7.4	0.3
	309 - WOMEN		10.4	6.5	0.3
	405 - MEN		9.8	7.2	0.3
	406 - WOMEN		10.2	6.4	0.3
	507 - MEN		10.5	7.7	0.4
	508 - WOMEN		10.8	6.8	0.3
	-		-	-	-
	011 - DRESS		-	14.1	0.6
	012 - TOILET		14.4	-	-
	013 - TOILET		14.2	-	-
	014 - DRESS		-	15.0	0.7
	015 - HALL		-	6.5	0.3
	-		-	-	-
	002 - GARBAGE		4.6	3.4	0.2
	003 - DRESS		-	7.9	0.4
	004 - TOILET		13.2	7.9	0.4
	006 - CORRIDOR		-	3.4	0.1
	007 - UNDERSTAGE		-	3.7	0.2
	024 - JANITOR		10.4	-	-
	-		-	-	-
	018 - TOILET		22.5	-	-
	020 - DRESS		2.2	8.5	0.4
	023 - DRESS		2.0	7.6	0.3
	025 - TOILET		23.4	-	-
	027 - ELEV LOBBY		-	4.5	0.2
	028 - JANITOR		6.9	-	-
	-		-	-	-
	030 - WORKSHOP		-	5.5	0.2
	031A - CORRIDOR		-	1.6	0.1
	033 - MAINTENANCE		-	5.0	0.2
	034 - OFFICE		-	5.3	0.2
	046 - CLEANERS		-	4.8	0.2
	-		-	-	-
	041 - MEN		8.3	-	-
	043 - WOMEN		8.1	-	-
	045 - CORRIDOR		-	1.0	0.0
	048 - WORKSHOP		-	2.1	0.1
	049 - CARPENTRY		-	2.9	0.1
	050 - DIMMERS		-	11.2	0.5
	051 - STORE		-	2.9	0.1
	-		-	-	-
	031 - STORAGE		-	4.4	0.2
	047 - STORAGE		-	3.3	0.1
	-		-	-	-
	035 - MECH		-	3.2	0.1
	036 - TELEPHONE		-	3.3	0.2
	037 - ELECTRICAL		-	3.2	0.1
	038 - ELECTRICAL		-	5.0	0.2
	038A - ELECTRICAL		-	6.7	0.3
	040 - LAUNDRY		23.8	6.4	0.3
	042 - WORKSHOP		-	7.3	0.3
	044 - COSTUME		-	2.4	0.1
	-		-	-	-
ASU-1	TOTALS	[8]			
	314 - VESTIBULE		-	-	-
	319 - AUDITORIUM	[4]	-	3.3	1.2
	412 - BALCONY	[4]	-	3.3	1.2
	512 - BALCONY	[4]	-	3.3	1.2
	-		-	-	-
	334 - STAGE		-	1.3	0.5
	334A - ORCHESTRA		-	13.8	5.1
	353 - BACKSTAGE		-	0.6	0.2
ASU-2	TOTALS				
	522 - LOBBY		-	2.2	0.6
	103 - LOBBY		-	15.7	4.1
	103A - STAIR		-	1.5	0.4
	115 - LOBBY		-	8.1	2.1
	115A - STAIR		-	1.7	0.4
	115B - STAIR		-	2.7	0.7
	115C - LOBBY		-	6.6	1.7
	306 - LOBBY		-	22.6	5.9
	323 - BAR		-	7.0	1.8
	414 - BAR		-	6.6	1.7
	514 - BAR		-	6.2	1.6
ASU-3	TOTALS				
	105 - REHEARSAL	[4]	-	8.0	2.4
	105A - STAGE		-	6.6	2.0
	105B - HALL		-	3.6	1.1
	105C - HALL		-	3.4	1.0
	202 - BALCONY	[4]	-	8.0	2.4

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	202A - HALL		-	3.2	0.9
	202B - HALL		-	3.1	0.9
	304 - BALCONY	[4]	-	8.0	2.4
	304A - HALL		-	3.2	0.9
	304B - HALL		-	3.1	0.9
	403A - STAIR		-	2.9	0.9
	403B - STAIR		-	3.0	0.9
	409 - DIMMERS		-	18.7	5.6
ASU-4	TOTALS				
			-	-	-
	316 - LOBBY		-	4.9	0.9
	316A - STAIR		-	1.9	0.4
	316B - STAIR		-	1.7	0.3
	411 - LOBBY		-	3.8	0.7
	411B - STAIR		-	4.1	0.8
	511 - LOBBY		-	4.8	0.9
	511B - STAIR		-	1.8	0.3
ASU-5	TOTALS				
			-	-	-
	303 - LIGHTING		-	13.5	1.2
	315 - RECEPTION		-	5.8	0.5
	317 - BROADCAST		-	7.7	0.7
	318 - SOUND		-	53.9	4.8
	320 - OFFICE		-	7.5	0.6
	321 - RECEPTION		-	5.5	0.5
	605 - CORRIDOR		-	-	-
	606 - DIMMERS		-	22.0	2.0
	606A - STAIR		-	16.1	1.4
	607 - JAN		10.8	-	-
	608 - TOILET		5.4	-	-
	609 - LOBBY		-	12.8	1.1
	610 - OFFICE		-	11.9	1.1
	611 - MULTI-PURPOSE		-	3.2	0.3
	612 - CORRIDOR		-	-	-
	613 - PROJECTION		-	19.5	1.7
	613A - STAIR		-	5.7	0.5
ASU-7	TOTALS				
	511A - STAIR		-	0.3	0.2
	502 - REHEARSAL		-	1.7	1.2
	504 - MEN		15.0	-	-
	505 - WOMEN		15.0	-	-
	506 - DRESS		-	-	-
	520 - DRESS		-	-	-
	522A - STAIR		-	0.2	0.1
ASU-8	TOTALS				
	301 - LOBBY		-	9.9	4.1
	302A - STAIR		-	2.2	0.9
ASU-9	TOTALS				

NOTES:

- [1] SEE EXISTING DESIGN PLANS FOR SPACES AREAS AND ELEVATIONS.
- [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 PORTLAND5 COMBINED MECHANICAL REPORT INCLUDING APPENDIX 4 FOR BALANCE TEST DATA AND ADDITIONAL COMMENTS).
- [3] THE EA AIR CHANGE IS BASED ON THE EXISTING DESIGN AND AIRFLOW SHOWN ON PLANS.
- [4] AUDITORIUM, AND BALCONY CALCULATED AS ONE SPACE.
- [5] NOT USED.
- [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 PORTLAND5 COMBINED MECHANICAL REPORT INCLUDING APPENDIX 4 FOR BALANCE TEST DATA AND ADDITIONAL COMMENTS).
- [7] NOT USED
- [8] AIR CHANGE RATES FOR THIS SYSTEM IS BASED ON THE FULL AIR FLOW DURING HTG/CLG OPERATION.