

A

B

C

D

E

F

A

B

C

D

E

F

three inches = one foot

one and one half inches = one foot

one inch = one foot

three quarters inch = one foot

one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot

1

2

3

4

5

6

7

8

9

VENTILATION SCHEDULE													
ROOM NUMBER	ROOM NAME	FLOOR AREA FT <sup>2</sup>	CEILING HEIGHT, FT	ACH/Hr			ACTUAL			EQUIPMENT		REMARKS	
				SA	CFM	EA CFM	SUPPLY CFM	OA CFM	EXHAUST/RETURN CFM	SUPPLY FAN	EXHAUST FAN		
1N3	TOILET -- PUBLIC	50	8	6	40	70	0	0	75	EF-3-1N	NEUTRAL PRESSURE		
1N4	TOILET -- PUBLIC	80	8	6	64	140	100	20	200	BN10RF-01	EF-3-1N	NEUTRAL PRESSURE	
1N5	STORAGE	80	8	NR	0	0	150	30	150	BN10RF-01	EF-3-1N	NEUTRAL PRESSURE	
1N6	WAITING	460	8	12	736	0	1000	200	1000	BN10RF-01	EF-2-1N	NEUTRAL PRESSURE	
1N7	REGISTRATION	275	8	12	440	70	600	120	600	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N8	LIFE SUPPORT	165	8	4	88	0	170	34	170	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N9	LIFE SUPPORT	115	8	4	61	0	150	30	150	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N10	CAST/LIFE SUPPORT-6	145	8	4	77	0	150	30	150	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N11	LIFE SUPPORT-5	125	8	4	67	0	145	29	145	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N11A	TOILET	60	8	6	48	0	50	10	75	BN10RF-01	EF-1-1N	NEUTRAL PRESSURE	
1N12	LIFE SUPPORT-4	90	8	4	48	0	215	43	215	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N13	LIFE SUPPORT-3	90	8	4	48	0	220	44	220	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N14	LIFE SUPPORT-2	90	8	4	48	0	220	44	220	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N15	LIFE SUPPORT-1	125	8	4	67	0	260	52	260	BN10RF-01	BN10RF-01	POSITIVE PRESSURE	
1N16	CLEAN SUPPLY	100	8	4	53	70	200	40	200	BN10RF-01	BN10RF-01	POSITIVE PRESSURE	
1N17	LIFE SUPPORT-9	100	8	4	53	0	275	55	350	BN10RF-01	EF-1-1N	NEUTRAL PRESSURE	
1N18	LIFE SUPPORT-10	100	8	4	53	0	275	55	350	BN10RF-01	EF-1-1N	NEUTRAL PRESSURE	
1N19	NURSE STATION	400	8	6	320	0	420	84	420	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N20	MEDS	85	8	6	68	0	125	25	125	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N21	TRIAGE-1	120	8	6	96	NA	125	25	250	BN10RF-01	EF-6-1N	NEUTRAL PRESSURE	
1N22	TRIAGE-2	95	8	6	76	NA	125	25	250	BN10RF-01	EF-6-1N	NEUTRAL PRESSURE	
1N23	SOILED UTILITY	70	8	6	56	NA	0	0	75	BN10RF-01	EF-1-1N	NEUTRAL PRESSURE	
1N24	FAST TRACK	500	8	6	400	0	600	120	600	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N24B	TOILET--MALE	45	8	6	36	70	0	0	75	BN10RF-01	EF-1-1N	NEUTRAL PRESSURE	
1N24C	TOILET--FEMALE	46	8	6	37	70	0	0	75	BN10RF-01	EF-1-1N	NEUTRAL PRESSURE	
1N24D	WORK	170	8	6	136	0	225	45	225	BN10RF-01	EF-1-1N	NEUTRAL PRESSURE	
1N24E	BREAK	235	8	6	188	0	300	99	300	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N25	HOUSEKEEPING	40	8	6	32	70	0	0	75	BN10RF-01	EF-3-1N	NEUTRAL PRESSURE	
1N26D	POLICE	155	8	6	124	0	285	57	285	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N27	CORRIDOR	175	8	4	93	0	100	20	100	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N27A	OFFICE/STORAGE	105	8	4	56	0	250	50	250	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N27B	OFFICE/STORAGE	90	8	4	48	0	185	37	180	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N27C	NURSE MANAGER	105	8	4	56	0	275	55	275	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N27D	MEDICAL DIRECTOR	115	8	4	61	0	275	55	275	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N100	CORRIDOR	1155	8	4	616	0	950	190	315	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N100A	AIRLOCK VESTIBULE	125	8	NA	0	0	0	0	0	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N200	CORRIDOR	1565	8	4	835	0	550	110	1820	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N200A	AMBULANCE VESTIBULE	100	8	NA	0	0	0	0	0	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	
1N200B	DECON	80	8	NA	0	NA	0	0	200	BN10RF-01	EF-4-2N	NEUTRAL PRESSURE	
	TOTAL	7826	0	-	5326	560	8970	1833	10700	BN10RF-01	BN10RF-01	NEUTRAL PRESSURE	

VENTILATION SCHEDULE													
ROOM NUMBER	ROOM NAME	FLOOR AREA FT <sup>2</sup>	CEILING HEIGHT, FT	VA STANDARDS			ACTUAL			EQUIPMENT		REMARKS	
				ACH/Hr	SA	EA CFM	SUPPLY CFM	OA CFM	EXHAUST CFM	SUPPLY FAN	EXHAUST FAN		
1E1	BUSINESS OFFICE	505	8	4	269	0	500	100	500	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E2	EXAM	125	8	6	100	0	150	30	150	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E3	EXAM	110	8	6	88	0	120	24	120	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E4	EXAM	125	8	6	100	0	150	30	150	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E5	TOILET	50	8	6	40	70	0	0	75	EF-8 (EXISTING)	EF-8 (EXISTING)	NEUTRAL PRESSURE	
1E6	EXAM	125	8	6	100	0	150	30	150	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E6A	TOILET	50	8	6	40	70	0	0	75	EF-8 (EXISTING)	EF-8 (EXISTING)	NEUTRAL PRESSURE	
1E7	EXAM	115	8	6	92	0	120	24	120	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E8	EXAM	120	8	6	96	0	150	30	150	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E9	EXAM	115	8	6	92	0	120	24	120	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E10	EXAM	120	8	6	96	0	150	30	150	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E11	PRESS. TREATMENT	200	8	6	160	0	175	35	0	EXISTING	EXISTING	POSITIVE PRESSURE	
1E12	CLEAN UTILITY	110	8	4	59	0	110	22	0	EXISTING	EXISTING	POSITIVE PRESSURE	
1E13	EXAM	110	8	6	88	0	120	24	120	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E14	EXAM	115	8	6	92	0	120	24	120	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E15	EXAM	125	8	6	100	70	120	24	120	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E16	EXAM	120	8	6	96	0	120	24	120	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E17	EXAM	120	8	6	96	0	120	24	120	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E18	BREAK	180	8	6	144	0	150	30	150	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E19	MH OFFICE	120	8	6	96	0	115	23	115	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E21	EXAM	115	8	6	92	0	120	24	120	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E22	SOILED UTILITY	60	8	6	48	0	0	0	75	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E23	EXAM	115	8	6	92	0	120	24	120	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E24	TOILET	60	8	6	48	70	0	0	75	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E25	EXAM	115	8	6	92	0	120	24	120	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E26	TRIAGE	125	8	6	100	0	115	23	250	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E27	PHARMACY	160	8	6	128	0	175	57	175	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E28	SOCIAL WORKER	115	8	4	61	0	115	23	115	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E29	DIETITICS	105	8	4	56	0	115	23	115	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E200	CORRIDOR	1075	8	4	573	0	765	153	435	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E300	CORRIDOR	425	8	4	227	0	120	24	240	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E300A	ENTRY	185	8	NR	#	0	0	0	0	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E300B	EQUIPMENT STORAGE	200	8	NR	#	0	0	0	0	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E300C	HOUSEKEEPING	70	8	6	56	70	0	0	75	EXISTING	EXISTING	NEUTRAL PRESSURE	
1E300D	WAITING	665	8	12	1064	1065	1200	240	1200	EXISTING	EF-1-1E	NEUTRAL PRESSURE	
1E300E	LAB WAIT	290	8	6	232	0	300	60	300	EXISTING	EXISTING	NEUTRAL PRESSURE	
	TOTAL	6640	0	-	4913	1415	6025	1227	6040	EXISTING	EXISTING	NEUTRAL PRESSURE	

HVAC DESIGN DATA							
DESIGN CONDITIONS	SUMMER			WINTER			LOWEST AVERAGE ANNUAL DEWPOINT
	DRY BULB TEMP	WET BULB TEMP	% HUMIDITY	TEMP	DEWPOINT TEMP	% HUMIDITY	
	°F	°F		°F	°F		
OUTDOOR DESIGN CONDITIONS	94	75	46	13	0	NA	-5
INDOOR AREA DESIGN CONDITIONS							
LIFE SUPPORT	70-75	-	30-50	70-75	-	30-50	
CAST/LIFE SUPPORT	75	-	50	70	-	30	
REGISTRATION	75	-	50	70	-	50	
NURSE STATION	70-75	-	30-50	70-75	-	30-50	
TRIAGE	75	-	50	70	-	50	
CLEAN SUPPLY	75	-	50	70	-	30	
SOILED UTILITY	NR	-	NR	NR	-	NR	
OFFICE	75	-	50	70	-	30	
CORRIDOR	75	-	50	70	-	30	
WAITING	75	-	50	70	-	30	
BREAK ROOM	75	-	50	70	-	30	
ELEC CLOSET	86	-	50	50	-	-	
EXAM	75	-	50	70	-	30	
PRESSURIZED TREATMENT	70-75	-	30-50	70-75	-	30	
PHARMACY	68	-	55	68	-	40	
STORAGE	NR	-	NR	NR	-	NR	
POLICE	70-75	-	30-50	70-75	-	30-50	
DIETETICS	75	-	50	70	-	30	
TELEPHONE EQUIPMENT ROOM	64-75	-	30-55	64-75	-	-	
PUBLIC TOILET (PERIMETER)	77	-	50	70	-	30	
PUBLIC TOILET (INTERIOR)	77	-	50	NR	-	NR	

MOTORIZED DAMPER SCHEDULE					
MARK	LOCATION	SERVICE	SIZE	DESIGN AIR FLOW	REMARKS
			IN x IN	CFM	
MD 1-1E	CORRIDOR 1E300	1ST FLOOR EAST	30x24	3290	NOTES 1, 2, 3
MD 2-1E	EQUIP.STORAGE 1E300B	1ST FLOOR EAST	30x24	3290	NOTES 1, 2, 4
MD 3-1E	PRESSURE TREATMENT 1E11	PRESSURE TREATMENT 1E11	16x6	175	NOTES 1, 2
MD 4-1E	CLEAN UTILITY 1E12	CLEAN UTILITY 1E12	20x6	110	NOTES 1, 2
MD 1-1N	LIFE SUPPORT #5 1N11	LIFE SUPPORT #5 1N11	14x6	145	NOTES 1, 2
MD 2-1N	LIFE SUPPORT #1 1N15	LIFE SUPPORT #1 1N15	14x6	260	NOTES 1, 2
MD 3-1N	CLEAN UTILITY 1N16	CLEAN UTILITY 1N16	14x6	200	NOTES 1, 2
NOTES					
1. LOW LEAK MODULATING DAMPER WITH GASKET					
2. PROVIDE WITH 24V DCD ACTUATORS, STAINLESS STEEL SHAFT, STAINLESS STEEL BEARINGS, DAMPER POSITION INDICATORS, LOCKING BLADES, PRESSURE INDEPENDENT WITH BAGNET/LONTALK COMPATIBILITY, INTERLOCKED TO EACH OTHER					
3. NORMALLY OPEN					
4. NORMALLY CLOSED					