

ROOM AIR BALANCE SCHEDULE																							REMARKS
ROOM NO	ROOM NAME	AIR HANDLING UNIT NO	TERMINAL UNIT	INDIVIDUAL ROOM TEMP CONTROL	SUPPLY				RETURN OR EXHAUST					ROOM AIR FLOW	ROOM AIR BALANCE	NET INFILTRATION		NET EXFILTRATION					
					ROOM AIR FLOW		# OF AIR DEVICES	AIR DEVICE MARK	SUPPLY FAN	RETURN OR EXHAUST (RE)	ROOM AIR FLOW		# OF AIR DEVICES			AIR DEVICE MARK	RETURN OR EXHAUST FAN	CFM	[L/s]	CFM	[L/s]		
					CFM	L/S					CFM	L/S										CV	
102	NURSE STATION	AHU-1	N/A	Y	1,000	[470]	8	E	SF1	R	1000	[470]	2	E	-	X		0	0	[]	0	[]	
102A-D	COORIDOR	AHU-1	N/A	N	450	[210]	3	E	SF1	R	350	[170]	3	E	-	X		+	0	[]	100	[47]	MAKE-UP TO 107
155	REST AREA	AHU-1	N/A	N	75	[35]	1	E	SF1	R	75	[35]	1	E	-	X		0	0	[]	0	[]	
104	BLOOD DRAW	AHU-1	N/A	Y	300	[140]	2	E	SF1	R	300	[140]	2	E	-	X		0	0	[]	0	[]	
153	EXAM RM 10	AHU-1	N/A	N	150	[71]	1	E	SF1	R	150	[71]	1	E	-	X		0	0	[]	0	[]	
152	EXAM RM 9	AHU-1	N/A	Y	500	[240]	2	E	SF1	R	450	[210]	2	E	-	X		+	0	[]	50	[24]	MAKE-UP TO 106A
106A	TOILET	AHU-1	N/A	N	150	[71]	1	E	SF1	E	200	[94]	1	E	EXIST EF-2	X		-	50	[24]	0	[]	
107	STAFF TOILET	AHU-1	N/A	N	200	[94]	1	E	SF1	E	300	[140]	1	E	EXIST EF-1	X		-	100	[47]	0	[]	
149	EXAM RM 8	AHU-1	N/A	N	300	[140]	1	E	SF1	R	300	[140]	1	10	-	X		0	0	[]	0	[]	
149	EXAM RM 7	AHU-1	N/A	N	300	[140]	1	E	SF1	R	300	[140]	1	10	-	X		0	0	[]	0	[]	
147	EXAM RM	AHU-1	N/A	N	300	[140]	1	E	SF1	R	300	[140]	1	10	-	X		0	0	[]	0	[]	
165	EXAM RM 6	AHU-1	N/A	N	200	[94]	1	E	SF1	R	200	[94]	1	E	-	X		0	0	[]	0	[]	
112	MEDICATION	AHU-1	N/A	N	100	[47]	1	E	SF1	R	100	[47]	1	E	-	X		0	0	[]	0	[]	
164	EXAM RM 5	AHU-1	N/A	N	200	[94]	1	E	SF1	R	200	[94]	1	E	-	X		0	0	[]	0	[]	
163	EXAM RM 4	AHU-1	N/A	Y	200	[94]	1	E	SF1	R	200	[94]	1	E	-	X		0	0	[]	0	[]	
162	EXAM RM 3	AHU-1	N/A	N	200	[94]	1	E	SF1	R	200	[94]	1	E	-	X		0	0	[]	0	[]	
161	EXAM RM 2	AHU-1	N/A	N	150	[71]	1	E	SF1	R	150	[71]	1	E	-	X		0	0	[]	0	[]	
160	EXAM RM 10	AHU-1	N/A	N	150	[71]	1	E	SF1	R	150	[71]	1	E	-	X		0	0	[]	0	[]	
154A	BREAKROOM	AHU-1	N/A	N	225	[110]	1	3	SF-1	R	225	[110]	1	E	-	X		0	0	[]	0	[]	
156A	MENTAL HEALTH	AHU-2	N/A	Y	150	[71]	1	E	SF2	R	150	[71]	1	9	-	X		0	0	[]	0	[]	
156	EXAM 11	AHU-2	N/A	N	150	[71]	1	E	SF-2	R	150	[71]	1	9	-	X		0	0	[]	0	[]	
156B	EXAM 12	AHU-2	N/A	N	150	[71]	1	E	SF-2	R	150	[71]	1	9	-	CV		0	0	[]	0	[]	
159	BLOOD LAB	AHU-2	N/A	N	100	[47]	1	E	SF2	E	120	[57]	1	9	EF-1	X		-	20	[9]	0	[]	
175	SOILED UTILITY	AHU-2	N/A	N	0	[]	-	-	SF2	E	150	[71]	1	E	EXIST EF-3	X		-	150	[71]	0	[]	
158	TRIAGE 2	AHU-2	N/A	N	130	[61]	1	E	SF2	E	160	[76]	1	9	EF-1	X		-	30	[14]	0	[]	
122	COORIDOR	AHU-2	N/A	N	200	[94]	2	E	SF2	R	100	[47]	1	E	-	X		+	0	[]	100	[47]	
178	HEAD NURSE OFFICE	AHU-2	N/A	Y	200	[94]	1	E	SF2	R	200	[94]	1	10	-	X		0	0	[]	0	[]	
170A	CHILDREN'S PLAY AREA	AHU-2	N/A	N	125	[59]	1	E	SF2	R	125	[59]	1	9	-	X		0	0	[]	0	[]	
170B	OFFICE	AHU-2	N/A	N	125	[59]	1	E	SF2	R	125	[59]	1	9	-	X		0	0	[]	0	[]	
171	IT	AHU-2	N/A	N	0	[]	-	-	SF2	R	100	[47]	1	8	-	X		-	100	[47]	0	[]	
172	STORAGE	AHU-2	N/A	N	0	[]	-	-	SF2	R	100	[47]	1	E	-	X		-	100	[47]	0	[]	
179	CHIEF ER OFFICE	AHU-2	N/A	N	200	[94]	1	E	SF2	R	200	[94]	1	10	-	X		0	0	[]	0	[]	
122G	CLEAN STORAGE	AHU-2	N/A	N	500	[240]	2	E	SF2	R	400	[190]	1	E	-	X		+	0	[]	100	[47]	
157	TRIAGE 1	AHU-2	N/A	N	130	[61]	1	E	SF2	E	160	[76]	1	9	EF-1	X		-	30	[14]	0	[]	
169	SECURITY	AHU-2	N/A	N	100	[47]	1	E	SF2	-	0	[]	-	-	-	X		+	0	[]	100	[47]	
127	WAITING	AHU-2	N/A	Y	1,930	[910]	5/3	E/3	SF2	R	1350	[640]	2	13	-	X		+	0	[]	580	[270]	MAKEUP: 173A, 173B, 157, 158, 159, 175 RETURN: 169.
173A	WOMENS	AHU-2	N/A	N	200	[94]	1	E	SF2	E	300	[140]	1	E	EXIST EF-5	X		-	100	[47]	0	[]	
173B	MENS	AHU-2	N/A	N	200	[94]	1	E	SF2	E	400	[190]	1	E	EXIST EF-4	X		-	200	[94]	0	[]	
167	PHARMACY	AHU-2	N/A	N	200	[94]	1	3	SF2	R	200	[94]	1	10	-	X		0	0	[]	0	[]	
167	AOD	AHU-2	N/A	N	50	[24]	1	2	SF2	-	0	[]	-	-	-	X		+	0	[]	50	[24]	
127E	NURSE CHECK-IN	AHU-2	N/A	N	140	[66]	1	E	SF2	R	140	[66]	1	8	-	X		0	0	[]	0	[]	
170D	NURSE CHECK-IN	AHU-2	N/A	N	100	[47]	1	E	SF2	R	100	[47]	1	8	-	X		0	0	[]	0	[]	
170E	NURSE CHECK-IN	AHU-2	N/A	N	130	[61]	1	E	SF2	R	130	[61]	1	8	-	X		0	0	[]	0	[]	

HVAC DESIGN DATA												
DESIGN CONDITIONS	SUMMER					WINTER					LOWEST AVERAGE ANNUAL DEWPOINT	
	TEMP		WET BULB TEMP		% HUMIDITY	TEMP		DEWPOINT TEMP		% HUMIDITY		
	°F	[°C]	°F	[°C]		°F	[°C]	°F	[°C]		°F	[°C]
	OUTDOOR DESIGN CONDITIONS	98	[37]	85	[29]	60	30	[-1]	4	[-16]	NA	4
INDOOR AREA DESIGN CONDITIONS												
ALL SPACES	75	[24]	58	[14]	50	75	[24]	41	[5]	30		

AIR DEVICE SCHEDULE (SUPPLY)																
MARK	TYPE	AIR FLOW				MAX APD		MOUNTING	PANEL/FRAME SIZE		NECK SIZE		NC	DAMPER	FINISH	REMARKS
		MIN		MAX					IN x IN	[mm x mm]	IN	[mm]				
		CFM	[L/s]	CFM	[L/s]	IN WG	[Pa]									
1	LOUVERED FACE	0	[0]	160	[76]	0.080	[20]	CEILING	12 x 12	[600 x 600]	6 ø	[152 ø]	24	NONE	WHITE	1, 2, 4
2	LOUVERED FACE	0	[0]	160	[76]	0.080	[20]	CEILING	24 x 24	[600 x 600]	6 ø	[152 ø]	24	NONE	WHITE	1, 2, 4
3	LOUVERED FACE	140	[66]	280	[130]	0.100	[25]	CEILING	24 x 24	[600 x 600]	8 ø	[203 ø]	21	NONE	WHITE	1, 2, 4
4	LOUVERED FACE	220	[100]	430	[200]	0.090	[23]	CEILING	24 x 24	[600 x 600]	10 ø	[254 ø]	24	NONE	WHITE	1, 2, 4
5	LOUVERED FACE	310	[150]	620	[290]	0.080	[20]	CEILING	24 x 24	[600 x 600]	12 ø	[305 ø]	26	NONE	WHITE	1, 2, 4
6	SUPPLY REGISTER	110	[52]	260	[120]	0.100	[25]	WALL	8 x 8	[203 x 203]	6 x 6	[152 x 152]	23	OBD	WHITE	1, 2, 3, 4
E	EXISTING DEVICE															1, 2, 4
NOTES																
1. 4-WAY THROW PATTERN UNLESS NOTED PLANS.																
2. SEE DETAIL FOR DAMPER IN BRANCH DUCT SERVING EACH DIFFUSER.																
3. PROVIDE SQUARE TO ROUND ADAPTER.																
4. BALANCE EXISTING & NEW DIFFUSERS PER PLAN.																

AIR DEVICE SCHEDULE (RETURN & EXHAUST)																
MARK	TYPE	AIR FLOW				MAX APD		MOUNTING	PANEL/FRAME SIZE		NECK SIZE		NC	DAMPER	FINISH	REMARKS
		MIN		MAX					IN x IN	[mm x mm]	IN x IN	[mm x mm]				
		CFM	[L/s]	CFM	[L/s]	IN WG	[Pa]									
7	EGG CRATE	0	[0]	160	[76]	0.088	22.000	CEILING	12 x 12	[600 x 600]	6 DIAM	[152 DIAM]	21	NONE	WHITE	1, 2
8	EGG CRATE	0	[0]	160	[76]	0.088	22.000	CEILING	24 x 24	[600 x 600]	6 DIAM	[152 DIAM]	21	NONE	WHITE	1, 2
9	EGG CRATE	105	[50]	245	[120]	0.088	22.000	CEILING	24 x 24	[600 x 600]	8 DIAM	[203 DIAM]	21	NONE	WHITE	1, 2
10	EGG CRATE	165	[78]	330	[160]	0.088	22.000	CEILING	24 x 24	[600 x 600]	10 DIAM	[254 DIAM]	20	NONE	WHITE	1, 2
11	EGG CRATE	235	[110]	470	[220]	0.088	22.000	CEILING	24 x 24	[600 x 600]	12 DIAM	[305 DIAM]	22	NONE	WHITE	1, 2
12	EGG CRATE	320	[150]	535	[260]	0.087	22.000	CEILING	24 x 24	[600 x 600]	14 DIAM	[356 DIAM]	21	NONE	WHITE	1, 2
13	EGG CRATE	420	[200]	700	[330]	0.087	22.000	CEILING	24 x 24	[600 x 600]	16 DIAM	[406 DIAM]	16	NONE	WHITE	1, 2
14	EGG CRATE	700	[330]	2600	[1200]	0.087	22.000	CEILING	24 x 24	[600 x 600]	24 x 24	[600 x 600]	16	NONE	WHITE	1, 2
E	EXISTING DEVICE															1, 2
R	RELOCATED DEVICE															1, 2
NOTE																
1. BALANCE EXISTING, RELOCATED, & NEW DIFFUSERS PER PLAN. EXISTING EXHAUST FANS TO REMAIN AS IS & DO NOT REQUIRE BALANCING.																
2. PROVIDE SQUARE TO ROUND ADAPTER WHERE REQUIRED.																