

three inches = one foot

one and one-half inches = one foot

one inch = one foot

three-quarter inch = one foot

one-half inch = one foot

three-eighths inch = one foot

one-eighth inch = one foot

file path

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ROOM AIR BALANCE QUAD D PHASE I																						
ROOM NO.	ROOM NAME	AHU NO.	TERMINAL UNIT	THERMOSTAT	COOLING LOADS		HEATING LOAD (BTU/h)	AIR CHANGES		SUPPLY		RETURN OR EXHAUST				ROOM AIR FLOW	ROOM AIR BALANCE	Net Infiltration (CFM)	Net Exfiltration (CFM)	REMARKS		
					COOLING LOAD LATENT (BTU/h)	COOLING LOAD SENSIBLE (BTU/h)		ACH	REQUIRED ACH	ROOM AIR FLOW (CFM)	# OF AIR DEVICES	Space Return/Exhaust	RETURN AIR FLOW (CFM)	EXHAUST AIRFLOW (CFM)	# OF AIR DEVICES						RETURN OR EXHAUST FAN	
3D-105	WOMEN'S TOILET	41-AHU17	41-TU06-17-13	Yes	400	4049	5101	10.6	10	184	1	41-SF17	Exhaust (G)	0	239	1	41-EF50	CV	--	55	0	55 CFM from C3-18B
3D-106	MEN'S TOILET	41-AHU17	41-TU06-17-13	No	400	4049	5101	10.5	10	184	1	41-SF17	Exhaust (G)	0	239	1	41-EF50	CV	--	55	0	55 CFM from C3-18B
3D-107	ANESTHESIA PRE-OP ROOM	41-AHU17	41-TU04-17-5	Yes	400	4260	4615	9.7	6	186	2	41-SF17	Return	162	0	1	41-RF17	CV	+	0	24	24 CFM to C3-18B
3D-108	ANESTHESIA PRE-OP ROOM	41-AHU17	41-TU04-17-6	Yes	400	4441	4576	9.8	6	186	2	41-SF17	Return	162	0	1	41-RF17	CV	+	0	24	24 CFM to C3-18B
3D-109	ANESTHESIA PRE-OP ROOM	41-AHU17	41-TU04-17-7	Yes	400	4491	4679	9.8	6	186	2	41-SF17	Return	162	0	1	41-RF17	CV	+	0	24	24 CFM to C3-18B
3D-110	ANESTHESIA PRE-OP ROOM	41-AHU17	41-TU04-17-8	Yes	400	4692	5086	8.4	6	186	2	41-SF17	Return	162	0	1	41-RF17	CV	+	0	24	24 CFM to C3-18B
3D-111	ANESTHESIA PRE-OP ROOM	41-AHU17	41-TU04-17-9	Yes	400	4594	4887	9.2	6	186	2	41-SF17	Return	162	0	1	41-RF17	CV	+	0	24	24 CFM to C3-18B
3D-112	STAFF LOUNGE	41-AHU17	41-TU09-17-12	Yes	1000	16870	5252	29.5	4	882	3	41-SF17	Return	0	1014	3	41-RF17	CV	-	132	0	132 CFM from C3-13C
3D-113	CONFERENCE ROOM	41-AHU17	41-TU09-17-11	Yes	3600	19146	9152	18.2	4	925	5	41-SF17	Return	925	0	3	41-RF17	VAV	+	0	0	
3D-114	STAFF TOILET	41-AHU17	41-TU06-17-16	No	200	1649	2374	10.3	10	0	0	41-SF17	Exhaust (G)	0	84	1	41-EF50	CV	--	84	0	84 CFM from C3-18C
3D-115	HK STORAGE	41-AHU17	41-TU06-17-16	No	0	1336	1014	10.4	10	0	0	41-SF17	Exhaust (G)	0	70	1	41-EF50	CV	--	70	0	70 CFM from C3-18C
3D-116A	PAIN TREATMENT	41-AHU17	41-TU05-17-8	Yes	600	5011	2395	15.9	6	226	1	41-SF17	Return	226	0	1	41-RF17	VAV	0	0	0	
3D-116B	PAIN TREATMENT	41-AHU17	41-TU05-17-9	Yes	600	5019	2405	15.8	6	226	1	41-SF17	Return	226	0	1	41-RF17	VAV	0	0	0	
3D-117	SUPPLIES	41-AHU17	41-TU05-17-10	Yes	200	6148	2873	4	266	1	41-SF17	Return	231	0	1	41-RF17	CV	+	0	35	0	35 CFM to C3-13A
3D-118	EXISTING HALL	41-AHU17	41-TU12-17-2	No	0	2422	2550	4	400	1	41-SF17	Return	0	0	0	41-RF17	CV	+	0	400	0	400 to 3D-118A/B
3D-118A	EXISTING TELEPHONE CLOSET	41-AHU17	41-TU12-17-2	No	0	3441	0	0	0	0	0	41-SF17	Return	200	0	1	41-RF17	CV	0	200	0	200 from 3D-118
3D-118B	EXISTING SIGNAL CLOSET	41-AHU17	41-TU12-17-2	No	0	3413	0	0	0	0	0	41-SF17	Return	200	0	1	41-RF17	CV	0	200	0	200 from 3D-118
3D-118C	EXISTING ELECTRICAL CLOSET	41-AHU17	41-TU12-17-2	Yes	0	34763	158	0	1325	1	41-SF17	Return	1325	0	1	41-RF17	CV	0	0	0	0	200 from 3D-118
3D-122	PAIN TREATMENT	41-AHU17	41-TU05-17-11	Yes	600	6022	3605	5.2	6	243	1	41-SF17	Return	243	0	1	41-RF17	VAV	0	0	0	
3D-123	EXISTING TREATMENT ROOM	41-AHU17	41-TU10-17-1	Yes	600	8418	7782	7	6	550	1	41-SF17	Return	450	0	2	41-RF17	CV	+	0	100	100 CFM to 3D-123 ENTRY, 20 CFM to C3-13B
3D-123A	EXISTING STORAGE	41-AHU17	41-TU10-17-2	No	0	1314	2006	5.7	4	100	0	41-SF17	Return	80	0	1	41-RF17	CV	+	0	20	20 CFM to C3-13B
3D-124	EXISTING PAIN CHECK-IN OFFICE	41-AHU17	41-TU10-17-2	No	0	1003	786	11.6	4	80	1	41-SF17	Return	0	0	0	41-RF17	CV	+	0	80	80 CFM to C3-13B
3D-125	EXISTING TREATMENT ROOM	41-AHU17	41-TU10-17-2	Yes	600	9572	9153	6	650	1	41-SF17	Return	550	0	2	41-RF17	CV	+	0	100	100 CFM to 3B-117 (3D-125 Entrance)	
3D-125A	EXISTING STORAGE	41-AHU17	41-TU10-17-2	No	0	941	1050	8.7	4	0	0	41-SF17	Return	80	0	1	41-RF17	CV	+	80	0	100 CFM from 3D-125, 20 CFM to C3-13B
3D-127	EXISTING MECHANICAL EQUIPMENT	41-AHU17	41-TU12-17-2	Yes	0	55379	0	6	1880	0	41-SF17	Return	1880	0	0	41-RF17	CV	0	0	0	0	
3D-133	PAIN TREATMENT	41-AHU17	41-TU05-17-12	Yes	600	4996	2377	16	6	226	1	41-SF17	Return	226	0	1	41-RF17	VAV	0	0	0	
3D-200	POSTANESTHESIA CARE UNIT (NORTH)	41-AHU17	41-TU10-17-4	Yes	200	16840	13801	8.4	4	1180	4	41-SF17	Return	1109	0	2	41-RF17	CV	+	0	71	550 CFM from 3D-200B, 31 CFM from 3D-201, 34 CFM from 3D-209, 20 CFM from 3D-205/206/207/208/210/224, 648 CFM to 3D-226, 131 CFM to 3D-225
3D-200	POSTANESTHESIA CARE UNIT (SOUTH)	41-AHU17	41-TU09-17-1	Yes	200	17087	13943	5.8	4	724	3	41-SF17	Return	1325	0	5	41-RF17	CV	+	601	0	550 CFM from 3D-200B, 20 CFM from 3D-211/213/215/216/217/218, 150 CFM from 3D-219, 14 CFM from 3D-222, 45 CFM from 3D-221, 125 CFM to 3D-220, 68 CFM to 3D-223
3D-200A	EQUIP. ALCV.	41-AHU17	41-TU10-17-6	No	0	950	457	0	4	0	0	41-SF17	Return	0	0	0	41-RF17	CV	0	0	0	31 CFM from 3D-200B
3D-200B	NURSE STATION	41-AHU17	41-TU10-17-6	Yes	2600	23014	13699	10.8	6	1100	4	41-SF17	Return	0	0	4	41-RF17	VAV	0	0	1100	31 CFM to 3D-220A, 23 CFM to 3D-200C, 550 CFM to 3D-200 North, 550 CFM to 3D-200 South
3D-200C	EQUIP. ALCV.	41-AHU17	41-TU10-17-6	No	0	720	343	0	4	0	0	41-SF17	Return	0	0	0	41-RF17	CV	0	0	0	23 CFM from 3D-200B
3D-201	CLEAN UTILITY	41-AHU17	41-TU05-17-1	Yes	200	4275	1654	16.7	4	243	1	41-SF17	Return	211	0	1	41-RF17	CV	+	0	32	32 CFM to 3D-200 North
3D-202	OFFICE NURSE SUPERVISOR	41-AHU17	41-TU04-17-10	Yes	400	3668	2247	8	4	158	1	41-SF17	Return	158	0	1	41-RF17	VAV	0	0	0	
3D-203	PACU BED 1	41-AHU17	41-TU04-17-11	Yes	200	3561	2744	9	6	147	1	41-SF17	Return	127	0	1	41-RF17	CV	+	0	20	20 CFM to 3D-200 North
3D-204	PACU BED 2	41-AHU17	41-TU04-17-12	Yes	200	3655	2744	9	6	147	1	41-SF17	Return	127	0	1	41-RF17	CV	+	0	20	20 CFM to 3D-200 North
3D-205	PACU BED 3	41-AHU17	41-TU04-17-13	Yes	200	3655	2744	9	6	147	1	41-SF17	Return	127	0	1	41-RF17	CV	+	0	20	20 CFM to 3D-200 North
3D-206	PACU BED 4	41-AHU17	41-TU04-17-14	Yes	200	3655	2744	9	6	147	1	41-SF17	Return	127	0	1	41-RF17	CV	+	0	20	20 CFM to 3D-200 North
3D-207	PACU BED 5	41-AHU17	41-TU04-17-15	Yes	200	3655	2744	9	6	147	1	41-SF17	Return	127	0	1	41-RF17	CV	+	0	20	20 CFM to 3D-200 North
3D-208	PACU BED 6	41-AHU17	41-TU04-17-16	Yes	200	3655	2744	9	6	147	1	41-SF17	Return	127	0	1	41-RF17	CV	+	0	20	20 CFM to 3D-200 North
3D-209	EQUIPMENT	41-AHU17	41-TU06-17-1	Yes	0	5740	3155	11	4	255	1	41-SF17	Return	221	0	1	41-RF17	CV	+	0	34	34 CFM to 3D-200 North
3D-210	PACU BED 7	41-AHU17	41-TU04-17-17	Yes	200	3878	3104	8.1	6	150	1	41-SF17	Return	130	0	1	41-RF17	CV	+	0	20	20 CFM to 3D-200 North
3D-211	PACU BED 8	41-AHU17	41-TU04-17-18	Yes	200	3655	2744	9.1	6	147	1	41-SF17	Return	127	0	1	41-RF17	CV	+	0	20	20 CFM to 3D-200 South
3D-213	PACU BED 9	41-AHU17	41-TU04-17-19	Yes	200	3655	2744	9	6	147	1	41-SF17	Return	127	0	1	41-RF17	CV	+	0	20	20 CFM to 3D-200 South
3D-214	PACU BED 10	41-AHU17	41-TU04-17-20	Yes	200	3655	2744	9	6	147	1	41-SF17	Return	127	0	1	41-RF17	CV	+	0	20	20 CFM to 3D-200 South
3D-215	PACU BED 11	41-AHU17	41-TU04-17-21	Yes	200	3655	2744	9	6	147	1	41-SF17	Return	127	0	1	41-RF17	CV	+	0	20	20 CFM to 3D-200 South
3D-216	PACU BED 12	41-AHU17	41-TU04-17-22	Yes	200	3655	2744	9	6	147	1	41-SF17	Return	127	0	1	41-RF17	CV				