LABORATORY AIR BALANCE EXAMPLE SCHEDULE

ROOM DATA							HEATING/COOLING LOADS (NOTE 3)		U-M LAB MINIMUM VENTILATION RATE (LMVR)					DESIGN AIRFLOWS (CFM)													REMARKS
ROOM NUMBER	ROOM NAME	PRESSURE RELATIONSHIP	ROOM AREA (FT2)	CEILING HEIGHT (FT)	ROOM VOLUME (FT3)	DRIVING FACTOR OF ROOM VENTILATION CALCULATION	SUPPLY AIR (CFM)		LMVR CLASS (0-4)	MINIMUM (UNOCCUPIED)		MAXIMUM (OCCUPIED)		SUPPLY AIR (SA)		HAZARDOUS EXHAUST (HEX)		GENERAL EXHAUST (GEX)		TOTAL LAB EXHAUST		TRANSFER AIR		PRESSURE DIFFERENCE	DESIGN ROOM ACH		
							MAX CLG	MAX HTG		ACH	CFM	ACH	CFM	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	IN	OUT		MIN	MAX	
101		NEGATIVE	1,874	15.0	28,110	LMVR/GEX DRIVEN	1000	750	1	4	1875	6	2815	1675	2615	---	---	1875	2815	1875	2815	200		-200	4.0	6.0	
102		NEGATIVE	1,250	15.0	18,750	LMVR/GEX DRIVEN	1000	500	1	4	1250	6	1875	1050	1675	---	---	1250	1875	1250	1875	200		-200	4.0	6.0	
103		NEGATIVE	1,250	15.0	18,750	LMVR/GEX DRIVEN	1000	500	1	4	1250	6	1875	1050	1675	170	1155	1080	1705	1250	1875	200		-200	4.0	6.0	
104		NEGATIVE	1,225	15.0	18,375	LMVR/GEX DRIVEN	1000	500	1	4	1225	6	1840	1025	1640	170	1155	1055	1670	1225	1840	200		-200	4.0	6.0	
105		NEGATIVE	2,284	15.0	34,260	LMVR/GEX DRIVEN	2000	1000	1	4	2285	6	3430	2085	3230	205	1190	2080	3225	2285	3430	200		-200	4.0	6.0	
106		NEGATIVE	520	15.0	7,800	LMVR/GEX DRIVEN	500	300	1	4	520	6	780	320	580	---	---	520	780	520	780	200		-200	4.0	6.0	
107		NEGATIVE	1,225	15.0	18,375	LMVR/GEX DRIVEN	1000	500	1	4	1225	6	1840	1025	1640	---	---	1225	1840	1225	1840	200		-200	4.0	6.0	
108		NEGATIVE	1,250	15.0	18,750	LMVR/GEX DRIVEN	1000	500	1	4	1250	6	1875	1050	1675	---	---	1250	1875	1250	1875	200		-200	4.0	6.0	
109		NEGATIVE	1,250	15.0	18,750	LMVR/GEX DRIVEN	1000	500	1	4	1250	6	1875	1050	1675	---	---	1250	1875	1250	1875	200		-200	4.0	6.0	
110		NEGATIVE	200	15.0	3,000	LMVR/GEX DRIVEN	200	100	2	6	300	6	300	100	100	300	300	---	---	---	---	300	300	200		-200	6.0	6.0	NOTE 2
201		NEGATIVE	1,914	14.5	27,753	LMVR/GEX DRIVEN	1700	800	1	4	1855	6	2780	1655	2580	---	---	1855	2780	1855	2780	200		-200	4.0	6.0	
202		NEGATIVE	1,250	14.5	18,125	LMVR/GEX DRIVEN	1000	500	1	4	1210	6	1815	1010	1615	170	1155	1040	1645	1210	1815	200		-200	4.0	6.0	
203		NEGATIVE	1,250	14.5	18,125	LMVR/GEX DRIVEN	1000	500	1	4	1210	6	1815	1010	1615	195	1180	1015	1620	1210	1815	200		-200	4.0	6.0	
204		NEGATIVE	979	14.5	14,196	LMVR/GEX DRIVEN	900	500	3	4	950	8	1895	750	1695	---	---	950	1895	950	1895	200		-200	4.0	8.0	
205		NEGATIVE	412	14.5	5,974	LMVR/GEX DRIVEN	400	250	4	6	600	10	1000	400	800	50	50	550	950	600	1000	200		-200	6.0	10.0	
206		NEGATIVE	1,016	14.5	14,732	LMVR/GEX DRIVEN	1000	500	4	6	1475	10	2460	1275	2260	---	---	1475	2460	1475	2460	200		-200	6.0	10.0	
207		NEGATIVE	1,025	14.5	14,863	LMVR/GEX DRIVEN	1000	500	4	6	1490	10	2480	1290	2280	220	870	1270	2260	1490	2480	200		-200	6.0	10.0	
208		NEGATIVE	424	14.5	6,148	LMVR/GEX DRIVEN	400	200	4	6	615	10	1025	415	825	---	---	615	1025	615	1025	200		-200	6.0	10.0	
209		NEGATIVE	716	14.5	10,382	LMVR/GEX DRIVEN	700	350	1	4	695	6	1040	495	840	---	---	695	1040	695	1040	200		-200	4.0	6.0	
210		NEGATIVE	717	14.5	10,397	HEX DRIVEN	700	350	1	4	695	6	1040	495	955	170	1155	525	870	695	1155	200		-200	4.0	6.7	
301		NEGATIVE	1,250	14.5	18,125	LMVR/GEX DRIVEN	1000	500	4	6	1815	10	3025	1615	2825	170	1155	1645	2855	1815	3025	200		-200	6.0	10.0	
302		NEGATIVE	1,250	14.5	18,125	LMVR/GEX DRIVEN	1000	500	4	6	1815	10	3025	1615	2825	195	1180	1620	2830	1815	3025	200		-200	6.0	10.0	
303		NEGATIVE	1,901	14.3	27,089	HEX DRIVEN	1700	800	4	6	2710	10	4515	2510	7070	1520	7270	1190	2995	2710	7270	200		-200	6.0	16.1	
304		NEGATIVE	1,246	14.3	17,756	LMVR/GEX DRIVEN	1000	500	4	6	1780	10	2960	1580	2760	170	1155	1610	2790	1780	2960	200		-200	6.0	10.0	
305		NEGATIVE	1,246	14.3	17,756	LMVR/GEX DRIVEN	1000	500	4	6	1780	10	2960	1580	2760	195	1180	1585	2765	1780	2960	200		-200	6.0	10.0	
306		NEGATIVE	1,231	14.3	17,542	HEX DRIVEN	1000	500	2	6	1755	6	1755	1555	8155	1305	8355	450	450	1755	8355	200		-200	6.0	28.6	
307		NEGATIVE	1,231	14.3	17,542	HEX DRIVEN	1000	500	2	6	1755	6	1755	1555	8180	1330	8380	425	425	1755	8380	200		-200	6.0	28.7	
308		NEGATIVE	2,894	14.3	41,240	LMVR/GEX DRIVEN	2500	1200	2	6	4125	6	4125	3925	3925	995	2965	3130	3130	4125	4125	200		-200	6.0	6.0	
309		NEGATIVE	1,246	14.3	17,756	LMVR/GEX DRIVEN	1000	500	2	6	1780	6	1780	1580	1580	170	1155	1610	1610	1780	1780	200		-200	6.0	6.0	
310		NEGATIVE	1,246	14.3	17,756	LMVR/GEX DRIVEN	1000	500	1	4	1185	6	1780	985	1580	195	1180	990	1585	1185	1780	200		-200	4.0	6.0	

NOTES:
1.REFER TO HVAC DRAWINGS AND LAB EQUIPMENT DRAWINGS FOR FUME HOOD AND EQUIPMENT EXHAUST QUANTITIES