

Particle counts in JFK 10/29/2018

Numbers after sampling location correspond to the building maps

Building	JFK	RM #	IT area	Time	
	Checkout counter - 1	Help counter - 2	Center desk - 3	10:56 - 11:01	
	Sa1	Sa2	Sa3	Average	
0.3	1179	993	930	1034	
0.5	276	227	162	222	
1	174	100	102	125	
2.5	214	88	87	130	
5	99	45	53	66	
10	38	19	27	28	
Temp	66				
RH	38				

Building	JFK	RM #	L05	Time	
	Entry - 4	Middle - 5	Back - 6	11:02 - 11:06	
	Sa1	Sa2	Sa3	Average	
0.3	1003	1095	1127	1075	
0.5	153	184	201	179	
1	36	47	39	41	
2.5	29	28	17	25	
5	10	3	2	5	
10	4	4	2	3	
Temp	70.9				
RH	32.1				

Building	JFK	RM #	L03A	Time	
	Entry - 7	Back - 6	Side, battery charging station - 7	11:07 - 11:11	
	Sa1	Sa2	Sa3	Average	
0.3	974	974	1066	1005	
0.5	242	225	284	250	
1	114	127	146	129	
2.5	150	137	168	152	
5	69	60	63	64	
10	24	17	21	21	
Temp	70.9				
RH	32.5				

Building	JFK	RM #	L35	Time	
	Range 132A & B	S02 entry	Range 114A & B	11:13 - 11:18	
	Sa1	Sa2	Sa3	Average	
0.3	1347	1682	1685	1571	
0.5	197	244	198	213	
1	61	74	42	59	
2.5	54	64	19	46	
5	24	24	11	20	
10	6	9	3	6	
Temp	72				
RH	30.7				

Building	JFK	RM #	L39	Time	
	Range 179A & B	Maps - 14	Near L03 entry - 15	11:19 - 11:24	
	Sa1	Sa2	Sa3	Average	
0.3	1050	1103	1067	1073	
0.5	174	184	215	191	
1	80	52	79	70	
2.5	46	50	54	50	
5	17	12	21	17	
10	1	3	17	7	
Temp	70.3				
RH	32.5				

Building	JFK	RM #	M02/M02	Time	
	by S03 - 16	center circulation area - 17	M02A area - 18	11:26 - 11:30	
	Sa1	Sa2	Sa3	Average	
0.3	1256	1168	1242	1222	
0.5	311	290	249	283	
1	144	129	106	126	
2.5	164	103	61	109	
5	52	39	22	38	
10	19	19	4	14	
Temp	71.3				
RH	31.7				

Building	JFK	RM #	LM01	Time	
	Main entry	Circulation side - 19	M17 side - 20	VM01 - 21	11:31 - 11:35
	Sa1	Sa2	Sa3	Average	
0.3	1393	1421	1171	1328	
0.5	397	367	339	368	
1	211	232	172	205	
2.5	197	190	159	182	
5	76	79	54	70	
10	29	21	14	21	
Temp	71.5				
RH	32.3				

Building	JFK	RM #	M center	Time	
	stacks on main floor	Range 46B - 22	Range 32B - 23	Range 13A - 24	11:37 - 11:42
	Sa1	Sa2	Sa3	Average	
0.3	1178	887	815	960	
0.5	398	197	156	250	
1	214	87	70	124	
2.5	258	81	70	136	
5	100	35	19	51	
10	21	14	7	14	
Temp	72.1				
RH	31				

Building	JFK	RM #	M45	Time	
	By S02 - 25	By M32 - 26	Center - 27	11:45 - 11:50	
	Sa1	Sa2	Sa3	Average	
0.3	1435	1446	1567	1483	
0.5	282	327	277	295	
1	128	152	110	130	
2.5	147	198	131	159	
5	52	67	64	61	
10	32	26	30	29	
Temp	71.5				
RH	32.3				

Building	JFK	RM #	M23	Time	
	Center door - 28	Left windows - 29	Sink - 30	11:57 - 12:01	
	Sa1	Sa2	Sa3	Average	
0.3	1491	1132	1430	1351	
0.5	367	269	375	337	
1	174	96	196	155	
2.5	151	89	167	136	
5	57	21	64	47	
10	8	6	18	11	
Temp	72				
RH	30.7				

Building	JFK	RM #	Outside	Time	
	Back entry	By door - 31	Bottom of stairs - 32	Loading dock - 33	end 12:07
	Sa1	Sa2	Sa3	Average	
0.3	21689	11565	8282	13845	
0.5	2075	1477	1193	1582	
1	306	298	321	308	
2.5	98	108	122	109	
5	13	24	20	19	
10	4	2	6	4	
Temp	65.1				
RH	37.2				

Building	JFK	RM #	Outside	Time	
	Main entry	Ramp - 34	By stairs - 35	Book return - 36	13:49 - 13:53
	Sa1	Sa2	Sa3	Average	
0.3	5467	5438	4775	5227	
0.5	1322	1056	814	1064	
1	356	302	296	318	
2.5	135	129	180	148	
5	11	13	55	26	
10	1	6	25	11	
Temp	48.9				
RH	58.4				

Building	JFK	RM #	U02	Time		
	sitting area (gat in chain) - 37	By U02B - 38	Window - 39	Sitting area (standing) - 37	13:56 - 14:03	
	Sa1	Sa2	Sa3	Sa4	Sa5	Average
0.3	862	730	919	672	921	821
0.5	308	117	167	122	304	204
1	215	31	48	36	183	103
2.5	237	23	22	27	200	102
5	121	8	11	6	94	48
10	124	6	1	2	165	60
Temp	69.4			71.8		70.6
RH	31.4			28.9		30.2

Building	JFK	RM #	U18	Time	
	Kitchen area - 40	Windows 41	Back entry - 42	14:05 - 14:09	
	Sa1	Sa2	Sa3	Average	
0.3	921	885	905	904	
0.5	155	155	134	148	
1	39	48	47	45	
2.5	29	19	19	22	
5	7	6	4	6	
10	2	0	1	1	
Temp	72.3				
RH	28.4				

Building	JFK	RM #	U18 - #43	Time	
	Area when undisturb	Sitting in chair	1 minute after leaving chair	14:09 - 14:15	
	Sa1	Sa2	Sa3	Average	
0.3	988	1149	972	1036	
0.5	165	267	165	199	
1	56	149	52	86	
2.5	37	100	36	58	
5	9	36	14	20	
10	7	45	7	20	
Temp	71.8				
RH	28.7				

Building	JFK	RM #	CU09	Time	
	hallway	By U16 - 44	By U14 - 45	By U08 - 46	14:16 - 14:20
	Sa1	Sa2	Sa3	Average	
0.3	1075	1189	1200	1155	
0.5	331	347	376	351	
1	242	250	248	247	
2.5	251	259	242	251	
5	112	92	106	103	
10	17	25	18	20	
Temp	72.5				
RH	30.3				

Building	JFK	RM #	U39	Time	
	Center book stacks	Corner of front atrium - 47	By U33 - 48	Range 48B/50A - 52	14:21 - 14:34
	Sa1	Sa2	Sa3	Average	
0.3	1150	831	1196	1059	
0.5	412	184	218	271	
1	242	71	46	120	
2.5	264	84	51	133	
5	92	25	21	46	
10	20	9	10	13	
Temp	72.7				
RH	30.4				

Building	JFK	RM #	U39	Time	
	Study carols	Middle of study area - 49	Back of study area - 50	Front of study area - 51	14:21 - 14:34
	Sa1	Sa2	Sa3	Average	
0.3	2831	2307	2072	2403	
0.5	546	460	377	461	
1	90	92	111	98	
2.5	97	106	119	107	
5	34	43	37	38	
10	13	8	8	10	
Temp	74.2				
RH	27.8				

Building	JFK	RM #	U35	Time	
	Back book stacks	Range 80B - 53	Study area by Range 502 - 54	Range 67B - 55	14:35 - 14:40
	Sa1	Sa2	Sa3	Average	
0.3	1655	1116	1077	1283	
0.5	253	195	218	222	
1	50	42	40	44	
2.5	51	29	37	39	
5	13	4	15	11	
10	3	5	5	4	
Temp	72.8				
RH	29.6				

Comparisons			
U02	Fabric chairs undisturbed	Sitting in fabric chairs	% diff
µm			
0.3	774	892	14
0.5	135	306	77
1	38	199	135
2.5	24	219	160
5	8	108	171
10	3	145	192
Temp			
RH			

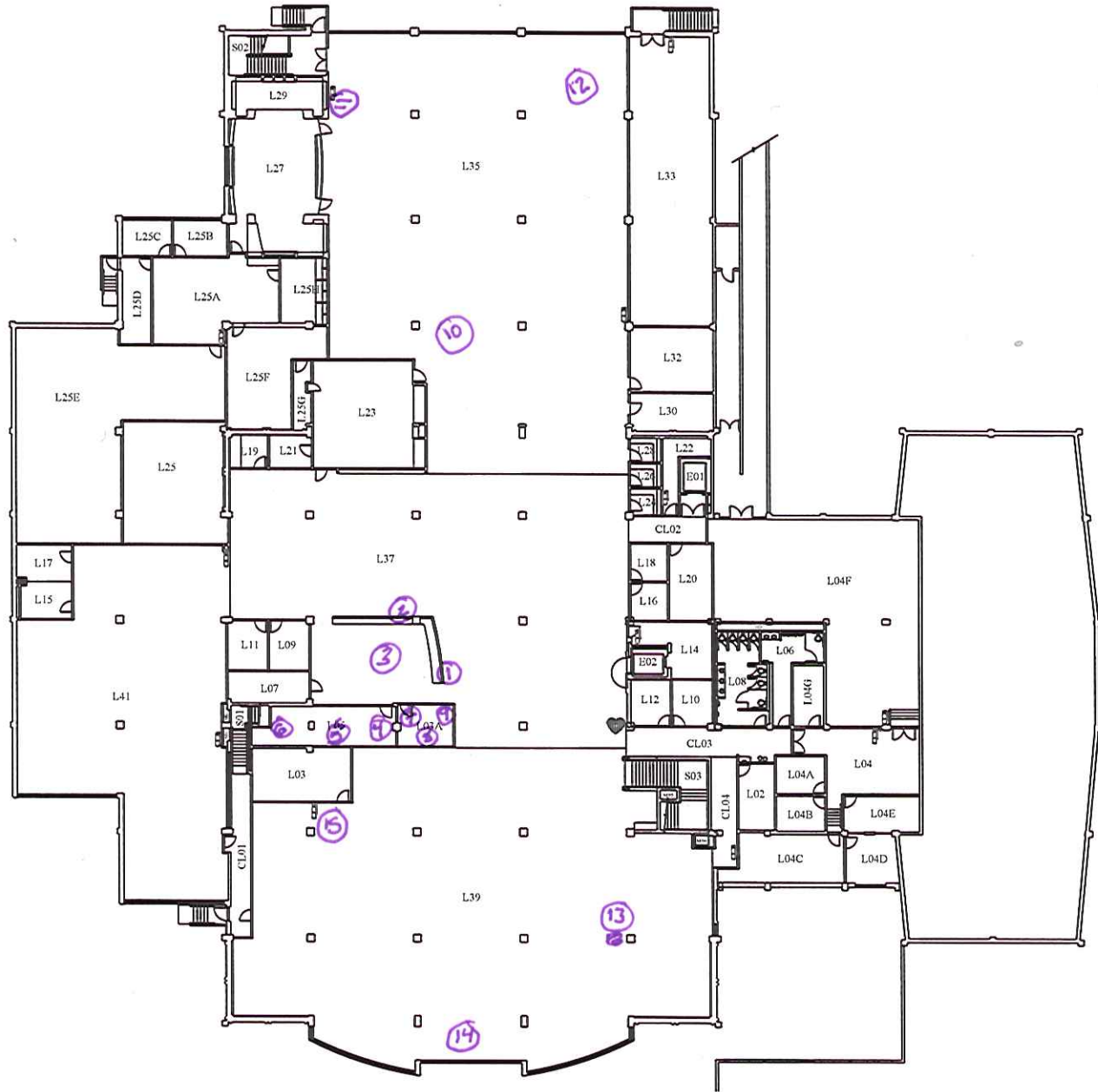
Comparisons			
	Main floor	Lower floor	% diff
µm			
0.3	1269	1152	9.68
0.5	307	211	36.95
1	148	85	54.26
2.5	144	80	57.02
5	53	34	43.84
10	18	13	31.53
Temp	72	70	2.34
RH	32	33	4.82

Comparisons			
	Main floor	Upper floor	% diff
µm			
0.3	1269	1201	5.49
0.5	307	260	16.56
1	148	106	33.51
2.5	144	102	34.71
5	53	40	29.76
10	18	22	19.75
Temp	72	72	0.71
RH	32	29	7.09

Comparisons			
	Building	Outside	% diff
µm			
0.3	1206	9536	155.08
0.5	259	1323	134.44



10/29/2018



= FIRE EXTINGUISHER   
 = AED   
 = FIRE DEP. CONNECTION   
 = LOCK BOX   
 = FIRE ALARM CONTROL PANEL   
 = SPRINKLER HEADER   
 = SPRINKLER RISER

DATE CREATED  
8-04-15

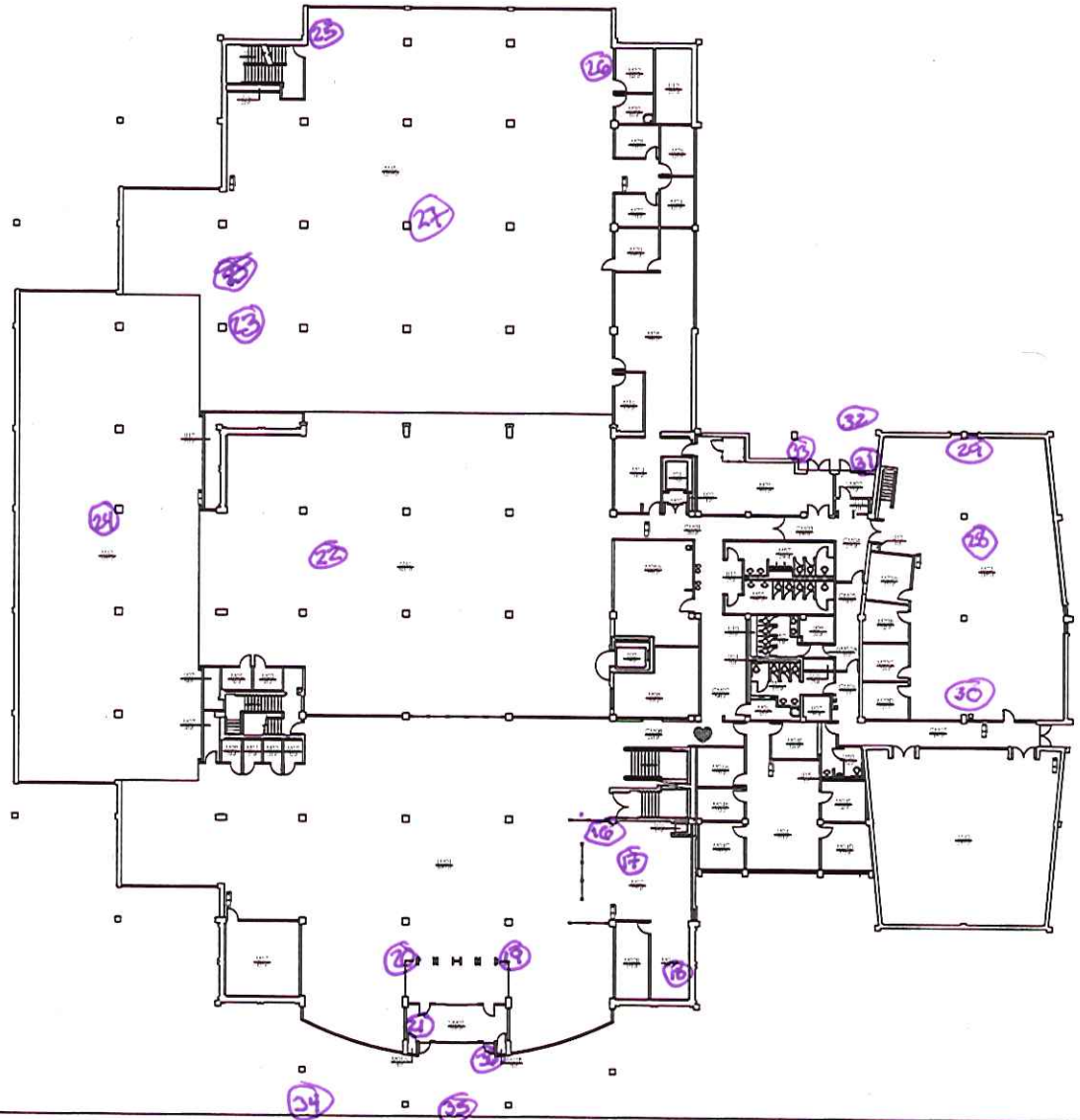
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DATE CREATED  
8-04-15

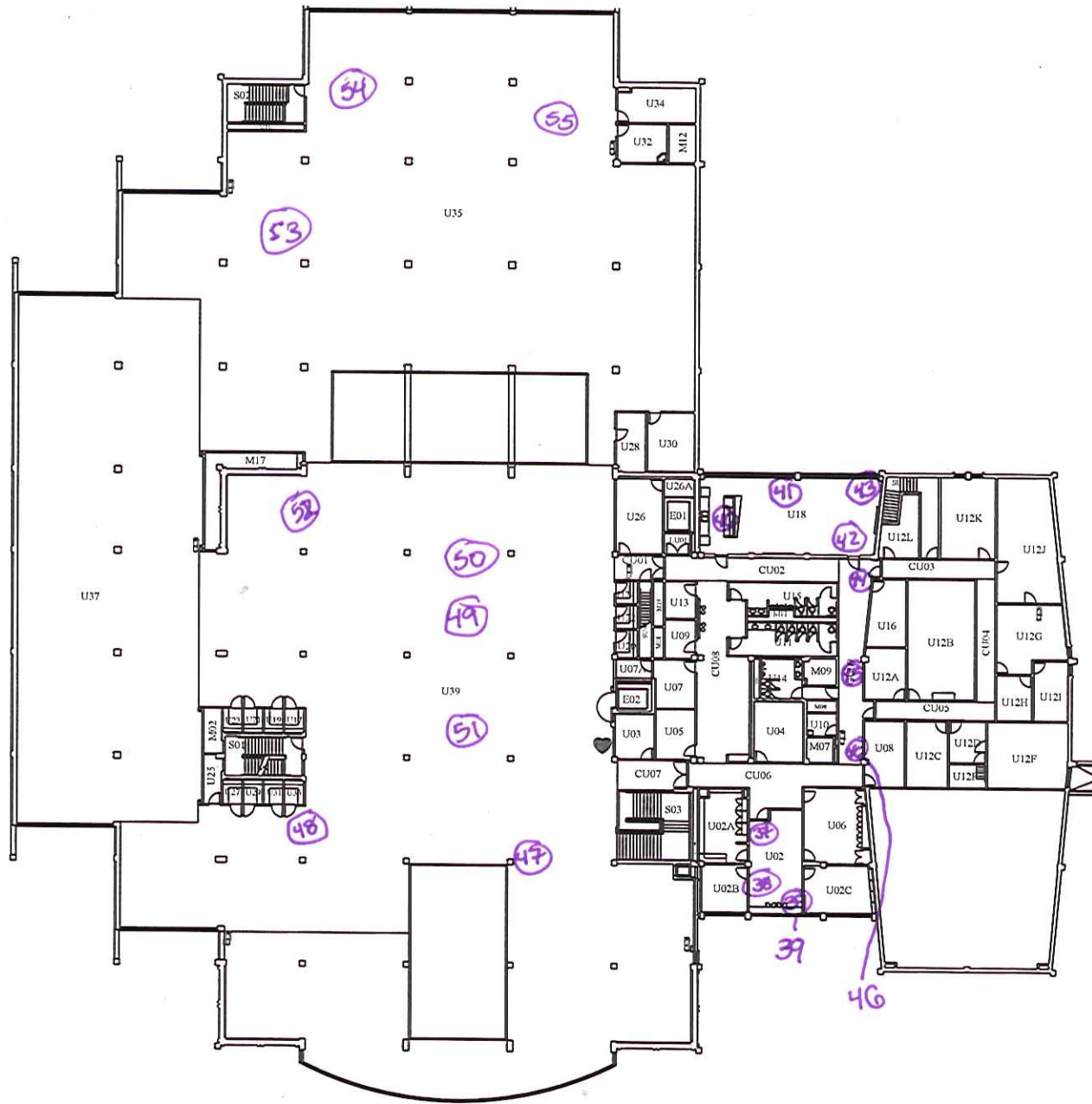
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DRAWINGS ARE NOT TO SCALE



= FIRE EXTINGUISHER

= AED

= FIRE DEP. CONNECTION

= LOCK BOX

= FIRE ALARM CONTROL PANEL

= SPRINKLER HEADER R = SPRINKLER RISER

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