

Automatic Temperature Controls, Inc. - Hugh Cole School Building Survey

Room #	Location	Name	Purified Air CFM	Airflow Readings (CFM)				Room Size				ACH				Total ACH		Recommendations to meet RORI
				Supply		Exhaust /Return		Length	Width	Height	Cubic Feet	Supply		Exhaust /Return		Normal	100%	
				Normal	100% ODA	Normal	100% ODA					Normal	100% ODA	Normal	100% ODA			
1	Old Wing	Classroom	218	1660.00	1660.00	0.00	0.00	34.00	36.00	9.00	11016.00	10.23	10.23	0.00	0.00	10.23	10.23	Meets RORI
No #	Old Wing	RR 1				65.00	65.00	8.00	6.00	8.00	384.00	0.00	0.00	10.16	10.16	10.16	10.16	Meets RORI
No #	Old Wing	RR 2				135.00	135.00	8.00	6.00	8.00	384.00	0.00	0.00	21.09	21.09	21.09	21.09	Meets RORI
2	Old Wing	Classroom	218	1535.00	1455.00	0.00	0.00	35.00	26.00	9.00	8190.00	12.84	12.26	0.00	0.00	12.84	12.26	Meets RORI
3	Old Wing	Classroom	218	956.00	624.00	0.00	0.00	36.00	26.00	9.00	8424.00	8.36	6.00	0.00	0.00	8.36	6.00	Meets RORI
4	Old Wing	Classroom	218	644.00	720.00	231.00	225.00	34.00	42.00	9.00	12852.00	4.02	4.38	1.08	1.05	5.10	5.43	Meets RORI
5	Old Wing	Classroom	218	680.00	540.00	194.00	188.00	42.00	32.00	9.00	12096.00	4.45	3.76	0.96	0.93	5.42	4.69	Meets RORI
6	Old Wing	Classroom	218	912.00	540.00	0.00	0.00	36.00	26.00	9.00	8424.00	8.05	5.40	0.00	0.00	8.05	5.40	Meets RORI
7	Old Wing	Classroom	218	960.00	780.00	0.00	0.00	34.00	26.00	9.00	7956.00	8.88	7.53	0.00	0.00	8.88	7.53	Meets RORI
8	Old Wing	Classroom	218	910.00	670.00	0.00	0.00	34.00	26.00	9.00	7956.00	8.51	6.70	0.00	0.00	8.51	6.70	Meets RORI
9	Old Wing	Classroom	218	924.00	408.00	189.00	240.00	34.00	42.00	9.00	12852.00	5.33	2.92	0.88	1.12	6.21	4.04	Meets RORI
10	Old Wing	Classroom	218	972.00	760.00	157.00	159.00	34.00	42.00	9.00	12852.00	5.56	4.57	0.73	0.74	6.29	5.31	Meets RORI
11	Old Wing	Classroom	218	2056.00	754.00	0.00	0.00	36.00	26.00	9.00	8424.00	16.20	6.92	0.00	0.00	16.20	6.92	Meets RORI
12	Old Wing	Classroom	218	740.00	482.00	0.00	0.00	36.00	26.00	9.00	8424.00	6.82	4.99	0.00	0.00	6.82	4.99	Meets RORI
13	Old Wing	Classroom	218	1260.00	1016.00	0.00	0.00	34.00	26.00	9.00	7956.00	11.15	9.31	0.00	0.00	11.15	9.31	Meets RORI
14	Old Wing	Classroom	218	1240.00	800.00	256.00	253.00	34.00	44.00	9.00	13464.00	6.50	4.54	1.14	1.13	7.64	5.66	Meets RORI
15	Old Wing	Classroom	218	926.00	682.00	314.00	319.00	34.00	44.00	9.00	13464.00	5.10	4.01	1.40	1.42	6.50	5.43	Meets RORI
16	Old Wing	Classroom	218	922.00	762.00	0.00	0.00	36.00	26.00	9.00	8424.00	8.12	6.98	0.00	0.00	8.12	6.98	Meets RORI
17	Old Wing	Classroom	218	1282.00	612.00	0.00	0.00	36.00	26.00	9.00	8424.00	10.68	5.91	0.00	0.00	10.68	5.91	Meets RORI
18	Old Wing	Classroom	218	980.00	920.00	0.00	0.00	36.00	26.00	9.00	8424.00	8.53	8.11	0.00	0.00	8.53	8.11	Meets RORI
19	Old Wing	Classroom	218	788.00	973.00	0.00	0.00	30.00	32.00	9.00	8640.00	6.99	8.27	0.00	0.00	6.99	8.27	Meets RORI
20	Old Wing	Classroom	218	1246.00	1036.00	0.00	0.00	30.00	30.00	9.00	8100.00	10.84	9.29	0.00	0.00	10.84	9.29	Meets RORI
No #	Old Wing	Conference Rm	218			436.00	436.00	20.00	14.00	8.00	2240.00	5.84	5.84	11.68	11.68	17.52	17.52	Meets RORI
No #	Old Wing	Main Office	218			200.00	200.00	26.00	14.00	8.00	2912.00	4.49	4.49	4.12	4.12	8.61	8.61	Meets RORI
No #	Old Wing	RR 19				178.00	178.00	6.00	6.00	8.00	288.00	0.00	0.00	37.08	37.08	37.08	37.08	Meets RORI
No #	Old Wing	RR 20				197.00	197.00	6.00	6.00	8.00	288.00	0.00	0.00	41.04	41.04	41.04	41.04	Meets RORI
20	Old Wing	20	218	1167.00	923.00	0.00	0.00	30.00	32.00	9.00	8640.00	9.62	7.92	0.00	0.00	9.62	7.92	Meets RORI
No #	Old Wing	Boys RR (by 16)				115.00	115.00	10.00	10.00	9.00	900.00	0.00	0.00	7.67	7.67	7.67	7.67	Meets RORI
No #	Old Wing	Girls RR (by 16)				110.00	110.00	10.00	10.00	9.00	900.00	0.00	0.00	7.33	7.33	7.33	7.33	Meets RORI
No #	Old Wing	Nurses Bath				86.00	86.00	5.00	4.00	8.00	160.00	0.00	0.00	32.25	32.25	32.25	32.25	Meets RORI
No #	Old Wing	Nurses Storage				90.00	90.00	10.00	6.00	8.00	480.00	0.00	0.00	11.25	11.25	11.25	11.25	Meets RORI
No #	Old Wing	Boys RR (by 6)				237.00	237.00	12.00	12.00	8.00	1152.00	0.00	0.00	12.34	12.34	12.34	12.34	Meets RORI
No #	Old Wing	Faculty RR (by 6)				116.00	116.00	6.00	5.00	8.00	240.00	0.00	0.00	29.00	29.00	29.00	29.00	Meets RORI
No #	Old Wing	Teach Bath Near Exit 9				142.00	142.00	5.00	5.00	8.00	200.00	0.00	0.00	42.60	42.60	42.60	42.60	Meets RORI
No #	Old Wing	Girls RR (by 6)				355.00	355.00	5.00	5.00	8.00	200.00	0.00	0.00	106.50	106.50	106.50	106.50	Meets RORI
No #	Old Wing	Science Lab	218	788.00	878.00	141.00	143.00	38.00	17.00	8.00	5168.00	11.68	12.72	1.64	1.66	13.32	14.38	Meets RORI
No #	Old Wing	Boys RR (by 16)				308.00	308.00	12.00	12.00	8.00	1152.00	0.00	0.00	16.04	16.04	16.04	16.04	Meets RORI
No #	Old Wing	HC RR (by16)				137.00	137.00	5.00	5.00	8.00	200.00	0.00	0.00	41.10	41.10	41.10	41.10	Meets RORI
No #	Old Wing	Janitors (by 16)				78.00	78.00	5.00	5.00	12.00	300.00	0.00	0.00	15.60	15.60	15.60	15.60	Meets RORI
No #	Old Wing	Teachers R (by 17)	218			132.00	132.00	5.00	5.00	8.00	200.00	65.40	65.40	39.60	39.60	105.00	105.00	Meets RORI
No #	Old Wing	Girls RR (by17)				289.00	289.00	12.00	12.00	8.00	1152.00	0.00	0.00	15.05	15.05	15.05	15.05	Meets RORI
No #	Old Wing	Storage (by 17)				93.00	93.00	8.00	8.00	8.00	512.00	0.00	0.00	10.90	10.90	10.90	10.90	Meets RORI
No #	Old Wing	Reading Mrs.R				375.00	375.00	16.00	12.00	8.00	1536.00	0.00	0.00	14.65	14.65	14.65	14.65	Meets RORI
No #	Old Wing	Reading Mrs.Chase				412.00	412.00	16.00	12.00	8.00	1536.00	0.00	0.00	16.09	16.09	16.09	16.09	Meets RORI
24	Old Wing	??	218			81.00	81.00	14.00	12.00	8.00	1344.00	9.73	9.73	3.62	3.62	13.35	13.35	Meets RORI
No #	Old Wing	Library Office	218			76.00	76.00	14.00	12.00	8.00	1344.00	9.73	9.73	3.39	3.39	13.13	13.13	Meets RORI
No #	Old Wing	Gym Storage		3123.00	3545.00	4590.00	4693.00	89.00	59.00	20.00	105020.00	1.78	2.03	2.62	2.68	4.41	4.71	Meets RORI
No #	Old Wing	Music Storage																Meets RORI

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	Floor			Supply		Exhaust /Return		Length	Width	Height	Cubic Feet	Supply		Exhaust /Return		Normal	100%	
				Normal	100% ODA	Normal	100% ODA					Normal	100% ODA	Normal	100% ODA			
No #	Old Wing	Music Rm	1308	744.00	580.00	744.00	580.00	20.00	40.00	15.00	12000.00	10.26	9.44	3.72	2.90	13.98	12.34	Meets RORI
No #	Old Wing	Janitors Office RR				236.00	236.00	6.00	5.00	8.00	240.00	0.00	0.00	59.00	59.00	59.00	59.00	Meets RORI
No #	Old Wing	Janitors Office				229.00	229.00	6.00	5.00	8.00	240.00	0.00	0.00	57.25	57.25	57.25	57.25	Meets RORI
No #	Old Wing	Kitchen Line		580.00	662.00	0.00	0.00	36.00	11.00	9.00	3564.00	9.76	11.14	0.00	0.00	9.76	11.14	Meets RORI
No #	Old Wing	Kitchen		536.00	600.00	1055.00	1164.00	35.50	12.00	9.00	3834.00	8.39	9.39	16.51	18.22	24.90	27.61	Meets RORI
No #	New Wing	Old Main Office	436	1085.00	38.00	768.00	47.00	34.00	16.00	9.00	4896.00	18.64	5.81	9.41	0.58	28.05	6.38	Meets RORI
No #	New Wing	Main Office Storage				32.00	9.00	7.00	7.00	8.00	392.00	0.00	0.00	4.90	1.38	4.90	1.38	Meets RORI
No #	New Wing	Main Office RR				27.00	6.00	7.00	7.00	8.00	392.00	0.00	0.00	4.13	0.92	4.13	0.92	Meets RORI
No #	New Wing	Main Office Principal	218	665.00	36.00	660.00	31.00	11.50	16.00	9.00	1656.00	31.99	9.20	23.91	1.12	55.91	10.33	Meets RORI
No #	New Wing	Office Waiting	218	84.00	76.00	102.00	113.00	6.00	8.00	9.00	432.00	41.94	40.83	14.17	15.69	56.11	56.53	Meets RORI
No #	New Wing	Office1		969.00	912.00	268.00	221.00	14.00	10.00	9.00	1260.00	46.14	43.43	12.76	10.52	58.90	53.95	Meets RORI
No #	New Wing	Office2		840.00	779.00	350.00	297.00	14.00	12.00	9.00	1512.00	33.33	30.91	13.89	11.79	47.22	42.70	Meets RORI
No #	New Wing	Office3 ?		969.00	912.00	268.00	221.00	14.00	10.00	9.00	1260.00	46.14	43.43	12.76	10.52	58.90	53.95	Meets RORI
No #	New Wing	CUV NW Hall		593.00	577.00	0.00	0.00	60.00	10.00	9.00	5400.00	6.59	6.41	0.00	0.00	6.59	6.41	Meets RORI
No #	New Wing	CUV NE Hall		654.00	699.00			60.00	10.00	9.00	5400.00	7.27	7.77	0.00	0.00	7.27	7.77	Meets RORI
No #	New Wing	CUV SW Hall		498.00	512.00			60.00	10.00	9.00	5400.00	5.53	5.69	0.00	0.00	5.53	5.69	Meets RORI
No #	New Wing	Conference Rm	218	830.00	852.00			30.00	29.00	9.00	7830.00	8.03	8.20	0.00	0.00	8.03	8.20	Meets RORI
No #	New Wing	Copy Room		698.00	790.00			36.00	12.00	9.00	3888.00	10.77	12.19	0.00	0.00	10.77	12.19	Meets RORI
No #	New Wing	Faculty Work Room		569.00	611.00	239.00	241.00	24.00	14.00	9.00	3024.00	11.29	12.12	4.74	4.78	16.03	16.90	Meets RORI
42	New Wing	42	218	1365.00	1445.50	762.00	721.00	38.00	30.00	9.00	10260.00	9.26	9.73	4.46	4.22	13.71	13.94	Meets RORI
43	New Wing	43	218	1182.00	1045.50	262.00	341.00	30.00	37.00	9.00	9990.00	8.41	7.59	1.57	2.05	9.98	9.64	Meets RORI
No #	New Wing	43 Bath				113.00	120.00	6.00	6.00	8.00	288.00	0.00	0.00	23.54	25.00	23.54	25.00	Meets RORI
44	New Wing	44	218	1910.00	1602.00	508.00	592.00	37.00	30.00	8.00	8880.00	14.38	12.30	3.43	4.00	17.81	16.30	Meets RORI
45	New Wing	45	218	1311.00	1095.00	343.00	461.00	38.00	28.00	9.00	9576.00	9.58	8.23	2.15	2.89	11.73	11.12	Meets RORI
No #	New Wing	45 Bath				104.00	106.00	6.00	6.00	8.00	288.00	0.00	0.00	21.67	22.08	21.67	22.08	Meets RORI
46	New Wing	46	218	1417.50	1069.50	315.00	740.00	31.00	33.00	9.00	9207.00	10.66	8.39	2.05	4.82	12.71	13.21	Meets RORI
No #	New Wing	46 Bath				119.00	121.00	6.00	6.00	8.00	288.00	0.00	0.00	24.79	25.21	24.79	25.21	Meets RORI
48	New Wing	48	218	1365.50	1170.00	345.00	457.00	36.00	33.00	9.00	10692.00	8.89	7.79	1.94	2.56	10.82	10.35	Meets RORI
No #	New Wing	48 Bath				76.00	83.00	6.00	6.00	8.00	288.00	0.00	0.00	15.83	17.29	15.83	17.29	Meets RORI
49	New Wing	49	218	140.00	142.00	123.00	145.00	18.00	14.00	9.00	2268.00	9.47	9.52	3.25	3.84	12.72	13.36	Meets RORI
50	New Wing	50	218	1197.50	1228.50	365.00	326.00	30.00	37.00	9.00	9990.00	8.50	8.69	2.19	1.96	10.69	10.65	Meets RORI
No #	New Wing	50 Bath				78.00	77.00	6.00	6.00	8.00	288.00	0.00	0.00	16.25	16.04	16.25	16.04	Meets RORI
51	New Wing	51	218	451.00	421.00	150.00	137.00	20.00	14.00	9.00	2520.00	15.93	15.21	3.57	3.26	19.50	18.48	Meets RORI
52	New Wing	52	218	941.00	1137.00	923.00	818.00	32.00	28.00	9.00	8064.00	8.62	10.08	6.87	6.09	15.49	16.17	Meets RORI
53	New Wing	53	218	441.00	398.00	123.00	124.00	20.00	18.00	9.00	3240.00	12.20	11.41	2.28	2.30	14.48	13.70	Meets RORI
54	New Wing	54	218	1280.00	1177.50	751.00	596.00	29.00	33.00	9.00	8613.00	10.44	9.72	5.23	4.15	15.67	13.87	Meets RORI
55	New Wing	55	218	432.00	412.00	95.00	120.00	20.00	15.00	9.00	2700.00	14.44	14.00	2.11	2.67	16.56	16.67	Meets RORI
56	New Wing	56	218	1449.50	1182.50	742.00	809.00	30.00	32.00	9.00	8640.00	11.58	9.73	5.15	5.62	16.73	15.34	Meets RORI
57	New Wing	57	218	1389.00	1149.00	866.00	822.00	32.00	28.00	9.00	8064.00	11.96	10.17	6.44	6.12	18.40	16.29	Meets RORI
58	New Wing	58	218	935.50	942.00	663.00	755.00	33.00	29.00	9.00	8613.00	8.04	8.08	4.62	5.26	12.65	13.34	Meets RORI
59	New Wing	59	218	1105.00	1055.00	750.00	729.00	32.00	29.00	9.00	8352.00	9.50	9.15	5.39	5.24	14.89	14.38	Meets RORI
60	New Wing	60	218	1161.00	1076.00	697.00	587.00	30.00	29.00	9.00	7830.00	10.57	9.92	5.34	4.50	15.91	14.41	Meets RORI
61	New Wing	61	218	1334.00	993.00	697.00	778.00	32.00	29.00	9.00	8352.00	11.15	8.70	5.01	5.59	16.16	14.29	Meets RORI
62	New Wing	62	218	1411.00	1097.00	946.00	964.00	31.00	29.00	9.00	8091.00	12.08	9.75	7.02	7.15	19.10	16.90	Meets RORI
64	New Wing	64	218	1200.00	1170.00	849.00	898.00	31.00	30.00	9.00	8370.00	10.16	9.95	6.09	6.44	16.25	16.39	Meets RORI
No #	New Wing	Faculty RR (by 61)				67.00	67.00	7.00	8.00	8.00	448.00	0.00	0.00	8.97	8.97	8.97	8.97	Meets RORI
No #	New Wing	Custodian (by 61)				79.00	79.00	6.00	8.00	8.00	384.00	0.00	0.00	12.34	12.34	12.34	12.34	Meets RORI

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	Floor			Supply		Exhaust /Return		Length	Width	Height	Cubic Feet	Supply		Exhaust /Return		Normal	100%	
				Normal	100% ODA	Normal	100% ODA					Normal	100% ODA	Normal	100%			
No #	New Wing	Women's RR (by 61)				60.00	60.00	7.00	7.00	8.00	392.00	0.00	0.00	9.18	9.18	9.18	9.18	Meets RORI
No #	New Wing	Women's RR (by 48)				83.00	83.00	7.00	7.00	8.00	392.00	0.00	0.00	12.70	12.70	12.70	12.70	Meets RORI
No #	New Wing	Men's RR (by 50)				77.00	77.00	7.00	7.00	8.00	392.00	0.00	0.00	11.79	11.79	11.79	11.79	Meets RORI
No #	New Wing	Boys RR	218			421.00	421.00	22.00	11.00	9.00	2178.00	6.01	6.01	11.60	11.60	17.60	17.60	Meets RORI
No #	New Wing	Girls RR	218			86.00	86.00	22.00	11.00	9.00	2178.00	6.01	6.01	2.37	2.37	8.37	8.37	Meets RORI
No #	New Wing	Storage 48&50				922.00	922.00	30.00	29.00	9.00	7830.00	0.00	0.00	7.07	7.07	7.07	7.07	Meets RORI
No #	New Wing	Storage 43&45				1037.00	1037.00	30.00	29.00	9.00	7830.00	0.00	0.00	7.95	7.95	7.95	7.95	Meets RORI
No #	New Wing	Storage 44&46				1637.00	1637.00	30.00	29.00	9.00	7830.00	0.00	0.00	12.54	12.54	12.54	12.54	Meets RORI
No #	New Wing	Cafeteria		2787.00	2481.00	4202.00	4592.00	31.00	23.00	10.00	7130.00	23.45	20.88	35.36	38.64	58.81	59.52	Meets RORI
No #	New Wing	Nurses Area	218	163.00	163.00	327.00	327.00	21.00	25.00	9.00	4725.00	4.84	4.84	4.15	4.15	8.99	8.99	Meets RORI
No #	New Wing	Nurses Storage				78.00	78.00	9.00	7.00	9.00	567.00	0.00	0.00	8.25	8.25	8.25	8.25	Meets RORI
No #	New Wing	Nurses Bath				60.00	60.00	6.00	6.00	8.00	288.00	0.00	0.00	12.50	12.50	12.50	12.50	Meets RORI
75	New Wing	OT / PT	218	486.00	477.00	468.00	470.00	21.00	25.00	9.00	4725.00	8.94	8.83	5.94	5.97	14.88	14.79	Meets RORI
76	New Wing	Office	218	478.00	470.00	281.00	270.00	21.00	15.00	9.00	2835.00	14.73	14.56	5.95	5.71	20.68	20.28	Meets RORI
77	New Wing	Office	218	769.00	873.00	255.00	232.00	21.00	21.00	9.00	3969.00	14.92	16.49	3.85	3.51	18.78	20.00	Meets RORI
No #	New Wing	Faculty Work Room	218	447.00	433.00	420.00	434.00	20.00	19.00	9.00	3420.00	11.67	11.42	7.37	7.61	19.04	19.04	Meets RORI
No #	New Wing	Mechanical Rm				214.00	214.00	21.00	14.00	11.00	3234.00	0.00	0.00	3.97	3.97	3.97	3.97	Meets RORI

Color Code

Meets RORI	Instructional Space
Phase One Air Purifier Installed	Non- Instructional Space
Phase Two Air Purifier Installed	Area that needs to be tested
Phase Three Air Purifier Installed	
Phase Four Air Purifier Installed	