

Building: BCM-01
Room: 101 Classroom

Room Area: 695 SQFT
 Room Height: 8.3 FT
 Room Volume: 5,768.5 CFT

Tested Supply Airflow = 856.0 CFM

Tested SA Air Change Rate = 8.9 AC/hr

OSA % (DDC): 0.2 20%

OSA calculated = 171.2 CFM

Calc. OSA Air Change Rate = 1.8 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	208
SA#2	207
SA#3	227
SA#4	214
Total	856

Building: BCM-01
Room: 102 Spec Class Lab

Room Area: 1,528 SQFT
 Room Height: 9.4 FT
 Room Volume: 14,363.2 CFT

Tested Supply Airflow = 1,021.0 CFM

Tested SA Air Change Rate = 4.3 AC/hr

OSA % (DDC): 0.2 20%

OSA calculated = 204.2 CFM

Calc. OSA Air Change Rate = 0.9 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	313
SA#2	138
SA#3	132
SA#4	166
SA#5	139
SA#6	58
SA#7	75
Total	1,021

Reception Area

Building: BCM-01
Room: 102E Spec Class Service

Room Area: 209 SQFT
 Room Height: 7.9 FT
 Room Volume: 1,651.1 CFT

Tested Supply Airflow = 109.0 CFM

Tested SA Air Change Rate = 4.0 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 21.8 CFM

Calc. OSA Air Change Rate = 0.8 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	109
Total	109

Building: BCM-01
Room: 102-F Class Spec Service

Room Area: 209 SQFT
 Room Height: 7.9 FT
 Room Volume: 1,651.1 CFT

Tested Supply Airflow = 113.0 CFM

Tested SA Air Change Rate = 4.1 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 22.6 CFM

Calc. OSA Air Change Rate = 0.8 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	113
Total	113

Building: BCM-01
Room: 105 Spec Class Lab

Room Area: 331 SQFT
 Room Height: 7.8 FT
 Room Volume: 2,581.8 CFT

Tested Supply Airflow = 162.0 CFM

Tested SA Air Change Rate = 3.8 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 32.4 CFM

Calc. OSA Air Change Rate = 0.8 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	90
SA#2	72
Total	162

Building: BCM-01
Room: 106 Spec Class Lab

Room Area: 331 SQFT
 Room Height: 7.8 FT
 Room Volume: 2,581.8 CFT

Tested Supply Airflow = 0.0 CFM

Tested SA Air Change Rate = 0.0 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 0.0 CFM

Calc. OSA Air Change Rate = 0.0 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	
SA#2	
Total	0

Closed for repair

Building: BCM-01
Room: 107 Spec Class Lab

Room Area: 237 SQFT
 Room Height: 7.8 FT
 Room Volume: 1,848.6 CFT

Tested Supply Airflow = 99.0 CFM

Tested SA Air Change Rate = 3.2 AC/hr

OSA % (DDC): 0.2 20%

OSA calculated = 19.8 CFM

Calc. OSA Air Change Rate = 0.6 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	99
Total	99

Building: BCM-01
Room: 108 Spec Class Lab

Room Area: 243 SQFT
 Room Height: 8.0 FT
 Room Volume: 1,944.0 CFT

Tested Supply Airflow = 243.0 CFM

Tested SA Air Change Rate = 7.5 AC/hr

OSA % (DDC): 0.2 20%

OSA calculated = 48.6 CFM

Calc. OSA Air Change Rate = 1.5 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	125
SA#2	118
Total	243

Building: BCM-01
Room: 109 Spec Class Lab

Room Area: 253 SQFT
 Room Height: 8.0 FT
 Room Volume: 2,024.0 CFT

Tested Supply Airflow = 0.0 CFM

Tested SA Air Change Rate = 0.0 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 0.0 CFM

Calc. OSA Air Change Rate = 0.0 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	
SA#2	
Total	0

Unable to test

Building: BCM-01
Room: 115 Office

Room Area: 79 SQFT
 Room Height: 7.9 FT
 Room Volume: 624.1 CFT

Tested Supply Airflow = 216.0 CFM

Tested SA Air Change Rate = 20.8 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 43.2 CFM

Calc. OSA Air Change Rate = 4.2 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	216
Total	216

Building: BCM-01
Room: 116 Office

Room Area: 79 SQFT
 Room Height: 7.9 FT
 Room Volume: 624.1 CFT

Tested Supply Airflow = 270.0 CFM

Tested SA Air Change Rate = 26.0 AC/hr

OSA % (DDC): 0.2 20%

OSA calculated = 54.0 CFM

Calc. OSA Air Change Rate = 5.2 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	270
Total	270

Building: BCM-01
Room: 117 Office

Room Area: 83 SQFT
 Room Height: 7.9 FT
 Room Volume: 655.7 CFT

Tested Supply Airflow = 165.0 CFM

Tested SA Air Change Rate = 15.1 AC/hr

OSA % (DDC): 0.2 20%

OSA calculated = 33.0 CFM

Calc. OSA Air Change Rate = 3.0 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	165
Total	165

Building: BCM-01
Room: 130 Café / Food Facilities

Room Area: 1,220 SQFT
 Room Height: 10.2 FT
 Room Volume: 12,444.0 CFT

Tested Supply Airflow = 875.0 CFM

Tested SA Air Change Rate = 4.2 AC/hr

OSA % (DDC): 0.2 20%

OSA calculated = 175.0 CFM

Calc. OSA Air Change Rate = 0.8 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	135
SA#2	139
SA#3	96
SA#4	84
SA#5	60
SA#6	54
SA#7	41
SA#8	78
SA#9	87
SA#10	101
Total	875

Building: BCM-01
Room: 139 Office

Room Area: 75 SQFT
 Room Height: 7.9 FT
 Room Volume: 592.5 CFT

Tested Supply Airflow = 232.0 CFM

Tested SA Air Change Rate = 23.5 AC/hr

OSA % (DDC): 0.2 20%

OSA calculated = 46.4 CFM

Calc. OSA Air Change Rate = 4.7 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	232
Total	232

Building: BCM-02
Room: 201 Read / Study Room

Room Area: 400 SQFT
 Room Height: 13.9 FT
 Room Volume: 5,560.0 CFT

Tested Supply Airflow = 155.0 CFM

Tested SA Air Change Rate = 1.7 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 31.0 CFM

Calc. OSA Air Change Rate = 0.3 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	74
SA#2	81
Total	155

Building: BCM-02
Room: 203 Office Service

Room Area: 373 SQFT
 Room Height: 8.9 FT
 Room Volume: 3,319.7 CFT

Tested Supply Airflow = 111.0 CFM

Tested SA Air Change Rate = 2.0 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 22.2 CFM

Calc. OSA Air Change Rate = 0.4 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	52
SA#2	59
Total	111

Building: BCM-02
Room: 204 Read / Study Room

Room Area: 380 SQFT
 Room Height: 9.9 FT
 Room Volume: 3,762.0 CFT

Tested Supply Airflow = 160.0 CFM

Tested SA Air Change Rate = 2.6 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 32.0 CFM

Calc. OSA Air Change Rate = 0.5 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	83
SA#2	77
Total	160

Building: BCM-02
Room: 214 Meeting Room

Room Area: 553 SQFT
 Room Height: 9.9 FT
 Room Volume: 5,474.7 CFT

Tested Supply Airflow = 0.0 CFM

Tested SA Air Change Rate = 0.0 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 0.0 CFM

Calc. OSA Air Change Rate = 0.0 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	0
SA#2	0
SA#3	0
SA#4	0
Total	0

Building: BCM-02
Room: 215 OFFICE

Room Area: 119 SQFT
 Room Height: 9.9 FT
 Room Volume: 1,178.1 CFT

Tested Supply Airflow = 129.0 CFM

Tested SA Air Change Rate = 6.6 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 25.8 CFM

Calc. OSA Air Change Rate = 1.3 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	129
Total	129

Building: BCM-02
Room: 216 OFFICE

Room Area: 174 SQFT
 Room Height: 9.9 FT
 Room Volume: 1,722.6 CFT

Tested Supply Airflow = 198.0 CFM

Tested SA Air Change Rate = 6.9 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 39.6 CFM

Calc. OSA Air Change Rate = 1.4 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	198
Total	198

Building: BCM-02
Room: 217 OFFICE

Room Area: 174 SQFT
 Room Height: 9.9 FT
 Room Volume: 1,722.6 CFT

Tested Supply Airflow = 218.0 CFM

Tested SA Air Change Rate = 7.6 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 43.6 CFM

Calc. OSA Air Change Rate = 1.5 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	218
Total	218

Building: BCM-02
Room: 218 OFFICE

Room Area: 119 SQFT
 Room Height: 9.9 FT
 Room Volume: 1,178.1 CFT

Tested Supply Airflow = 142.0 CFM

Tested SA Air Change Rate = 7.2 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 28.4 CFM

Calc. OSA Air Change Rate = 1.4 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	142
Total	142

Building: BCM-02
Room: 219 OFFICE

Room Area: 119 SQFT
 Room Height: 9.9 FT
 Room Volume: 1,178.1 CFT

Tested Supply Airflow = 147.0 CFM

Tested SA Air Change Rate = 7.5 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 29.4 CFM

Calc. OSA Air Change Rate = 1.5 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	147
Total	147

Building: BCM-02
Room: 220 OFFICE

Room Area: 208 SQFT
 Room Height: 9.9 FT
 Room Volume: 2,059.2 CFT

Tested Supply Airflow = 0.0 CFM

Tested SA Air Change Rate = 0.0 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 0.0 CFM

Calc. OSA Air Change Rate = 0.0 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	0
Total	0

Register covered; unable to test

Building: BCM-02
Room: 222 Classroom

Room Area: 776 SQFT
 Room Height: 9.2 FT
 Room Volume: 7,139.2 CFT

Tested Supply Airflow = 923.0 CFM

Tested SA Air Change Rate = 7.8 AC/hr

OSA % (DDC): 0.2 20%

OSA calculated = 184.6 CFM

Calc. OSA Air Change Rate = 1.6 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	133
SA#2	270
SA#3	318
SA#4	202
Total	923

Building: BCM-02
Room: 224 Classroom

Room Area: 579 SQFT
 Room Height: 9.7 FT
 Room Volume: 5,616.3 CFT

Tested Supply Airflow = 531.0 CFM

Tested SA Air Change Rate = 5.7 AC/hr

OSA % (DDC): 0.2 20%

OSA calculated = 106.2 CFM

Calc. OSA Air Change Rate = 1.1 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	148
SA#2	135
SA#3	107
SA#4	141
Total	531

Building: BCM-02
Room: 226 Classroom

Room Area: 560 SQFT
 Room Height: 9.7 FT
 Room Volume: 5,432.0 CFT

Tested Supply Airflow = 661.0 CFM

Tested SA Air Change Rate = 7.3 AC/hr

OSA % (DDC): 0.2 20%

OSA calculated = 132.2 CFM

Calc. OSA Air Change Rate = 1.5 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	123
SA#2	186
SA#3	174
SA#4	178
Total	661

Building: BCM-02
Room: 228 Classroom

Room Area: 575 SQFT
 Room Height: 9.7 FT
 Room Volume: 5,577.5 CFT

Tested Supply Airflow = 621.0 CFM

Tested SA Air Change Rate = 6.7 AC/hr

OSA % (DDC): 0.2 20%

OSA calculated = 124.2 CFM

Calc. OSA Air Change Rate = 1.3 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	150
SA#2	159
SA#3	176
SA#4	136
Total	621

Building: BCM-02
Room: 230 Classroom

Room Area: 758 SQFT
 Room Height: 9.7 FT
 Room Volume: 7,352.6 CFT

Tested Supply Airflow = 803.0 CFM

Tested SA Air Change Rate = 6.6 AC/hr

OSA % (DDC): 0.2 20%

OSA calculated = 160.6 CFM

Calc. OSA Air Change Rate = 1.3 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	192
SA#2	203
SA#3	192
SA#4	216
Total	803

Building: BCM-02
Room: 237 Classroom

Room Area: 697 SQFT
 Room Height: 9.7 FT
 Room Volume: 6,760.9 CFT

Tested Supply Airflow = 628.0 CFM

Tested SA Air Change Rate = 5.6 AC/hr

OSA % (DDC): 0.2 20%

OSA calculated = 125.6 CFM

Calc. OSA Air Change Rate = 1.1 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	163
SA#2	179
SA#3	161
SA#4	125
Total	628

Building: BCM-02
Room: 245 Classroom / Auditorium

Room Area: 3,260 SQFT
 Room Height: 16.0 FT
 Room Volume: 52,160.0 CFT

Tested Supply Airflow = 4,393.6 CFM

Tested SA Air Change Rate = 5.1 AC/hr

OSA % (DDC): 0.25 25%

OSA calculated = 1,098.4 CFM

Calc. OSA Air Change Rate = 1.3 AC/hr

Testing Method: Duct Traverse / Airfoil

Ins. Duct Diameter 26" x 26"

Duct Area = 4.7 SQFT

1,285	1,430	1,250	1,162	1,177	1,145	1,095	962
1,238	1,009	960	797	405	277	1,256	1,123
1,016	370	547	473	943	1,105	1,069	813
1,518	1,150	973	919	553	823	617	489

Average Velocity = 936 FPM

Supply Airflow = 4,393.6 CFM

AH-2; tested at 60HZ, maximum fan speed; normal operations @ 42Hz

Fan speed controlled by room CO2 sensor

Building: BCM-03
Room: 301 Classroom

Room Area: 738 SQFT
 Room Height: 8.9 FT
 Room Volume: 6,568.2 CFT

Tested Supply Airflow = 1,543.0 CFM

Tested SA Air Change Rate = 14.1 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 308.6 CFM

Calc. OSA Air Change Rate = 2.8 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	219
SA#2	402
SA#3	364
SA#4	558
Total	1,543

Building: BCM-03
Room: 302 Class Lab

Room Area: 884 SQFT
 Room Height: 8.9 FT
 Room Volume: 7,867.6 CFT

Tested Supply Airflow = 1,685.0 CFM

Tested SA Air Change Rate = 12.9 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 337.0 CFM

Calc. OSA Air Change Rate = 2.6 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	370
SA#2	467
SA#3	407
SA#4	441
Total	1,685

Building: BCM-03
Room: 313 Class Lab

Room Area: 875 SQFT
 Room Height: 8.6 FT
 Room Volume: 7,525.0 CFT

Tested Supply Airflow = 2,377.0 CFM

Tested SA Air Change Rate = 19.0 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 475.4 CFM

Calc. OSA Air Change Rate = 3.8 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	423
SA#2	363
SA#3	389
SA#4	374
SA#5	387
SA#6	441
Total	2,377

Building: BCM-03
Room: 314 Class Lab

Room Area: 867 SQFT
 Room Height: 8.6 FT
 Room Volume: 7,456.2 CFT

Tested Supply Airflow = 1,779.0 CFM

Tested SA Air Change Rate = 14.3 AC/hr

OSA % (DDC): 0.2 20%
 OSA calculated = 355.8 CFM

Calc. OSA Air Change Rate = 2.9 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	485
SA#2	456
SA#3	429
SA#4	409
Total	1,779

Building: BCM-03
Room: 315 Class Lab

Room Area: 867 SQFT
 Room Height: 8.6 FT
 Room Volume: 7,456.2 CFT

Tested Supply Airflow = 1,423.0 CFM

Tested SA Air Change Rate = 11.5 AC/hr

OSA % (DDC): 0.2 20%

OSA calculated = 284.6 CFM

Calc. OSA Air Change Rate = 2.3 AC/hr

Testing Method: Flow Hood

Register	CFM
SA#1	292
SA#2	329
SA#3	403
SA#4	399
Total	1,423