

Project Summary

Location and Weather	
Project	Project Name
Address	
Calculation Time	Wednesday, February 19, 2025 8:13 PM
Report Type	Standard
Latitude	38.96°
Longitude	-77.24°
Summer Dry Bulb	95 °F
Summer Wet Bulb	79 °F
Winter Dry Bulb	10 °F
Mean Daily Range	21 °F

Building Summary

Inputs	
Building Type	Town Hall
Area (SF)	37,217
Volume (CF)	297,740.42
Calculated Results	
Peak Cooling Total Load (Btu/h)	2,556,402.7
Peak Cooling Month and Hour	July 3:00 PM
Peak Cooling Sensible Load (Btu/h)	1,733,406.6
Peak Cooling Latent Load (Btu/h)	822,996.1
Maximum Cooling Capacity (Btu/h)	2,556,402.7
Peak Cooling Airflow (CFM)	71,145
Peak Heating Load (Btu/h)	1,308,369.2
Peak Heating Airflow (CFM)	22,258
Checksums	
Cooling Load Density (Btu/(h·ft²))	68.69
Cooling Flow Density (CFM/SF)	1.91
Cooling Flow / Load (CFM/ton)	333.96
Cooling Area / Load (SF/ton)	174.70
Heating Load Density (Btu/(h·ft²))	35.15
Heating Flow Density (CFM/SF)	0.60

Zone Summary - Default

Inputs	
Area (SF)	2,602
Volume (CF)	20,815.25
Cooling Setpoint	74 °F
Heating Setpoint	70 °F
Supply Air Temperature	54 °F
Number of People	81
Infiltration (CFM)	0
Air Volume Calculation Type	VAV - Single Duct
Relative Humidity	46.00% (Calculated)
Psychrometrics	
Psychrometric Message	None
Cooling Coil Entering Dry-Bulb Temperature	77 °F
Cooling Coil Entering Wet-Bulb Temperature	63 °F
Cooling Coil Leaving Dry-Bulb Temperature	48 °F
Cooling Coil Leaving Wet-Bulb Temperature	49 °F
Mixed Air Dry-Bulb Temperature	77 °F
Calculated Results	
Peak Cooling Load (Btu/h)	146,125.7
Peak Cooling Month and Hour	July 3:00 PM
Peak Cooling Sensible Load (Btu/h)	109,305.5
Peak Cooling Latent Load (Btu/h)	36,820.2
Peak Cooling Airflow (CFM)	4,563
Peak Heating Load (Btu/h)	89,103.8
Peak Heating Airflow (CFM)	1,805
Peak Ventilation Airflow (CFM)	561
Checksums	
Cooling Load Density (Btu/(h·ft²))	56.16
Cooling Flow Density (CFM/SF)	1.75
Cooling Flow / Load (CFM/ton)	374.72
Cooling Area / Load (SF/ton)	213.67
Heating Load Density (Btu/(h·ft²))	34.25
Heating Flow Density (CFM/SF)	0.69
Ventilation Density (CFM/SF)	0.22
Ventilation / Person (CFM)	7

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	7,067.0	4.84%	15,195.4	17.05%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	50,469.3	34.54%	36,724.0	41.21%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Ventilation	33,708.5	23.07%	37,184.5	41.73%
Lighting	8,273.8	5.66%		
Power	10,530.3	7.21%		
People	33,227.9	22.74%		
Plenum	0.0	0.00%		
Fan Heat	2,849.0	1.95%		
Reheat	0.0	0.00%		
Total	146,125.7	100%	89,103.8	100%

Default Spaces

Space Name	Area (SF)	Volume (CF)	Peak Cooling Load (Btu/h)	Cooling Airflow (CFM)	Peak Heating Load (Btu/h)	Heating Airflow (CFM)
43 Space	576	4,608.12	24,163.1	1,006	11,587.0	403
44 Space	861	6,888.69	36,072.2	1,502	16,564.4	576
27 OPEN DECK ROOF	861	6,888.69	36,072.2	1,502	16,564.4	576
26 BALCONY	304	2,429.76	13,260.6	552	7,203.5	250

Zone Summary - 1

Inputs	
Area (SF)	566
Volume (CF)	4,530.17
Cooling Setpoint	74 °F
Heating Setpoint	70 °F
Supply Air Temperature	54 °F
Number of People	14
Infiltration (CFM)	0
Air Volume Calculation Type	VAV - Single Duct
Relative Humidity	46.00% (Calculated)
Psychrometrics	
Psychrometric Message	None
Cooling Coil Entering Dry-Bulb Temperature	76 °F
Cooling Coil Entering Wet-Bulb Temperature	63 °F
Cooling Coil Leaving Dry-Bulb Temperature	49 °F
Cooling Coil Leaving Wet-Bulb Temperature	50 °F
Mixed Air Dry-Bulb Temperature	76 °F
Calculated Results	
Peak Cooling Load (Btu/h)	32,982.9
Peak Cooling Month and Hour	July 3:00 PM
Peak Cooling Sensible Load (Btu/h)	25,754.7
Peak Cooling Latent Load (Btu/h)	7,228.3
Peak Cooling Airflow (CFM)	1,092
Peak Heating Load (Btu/h)	23,128.1
Peak Heating Airflow (CFM)	536
Peak Ventilation Airflow (CFM)	116
Checksums	
Cooling Load Density (Btu/(h·ft²))	58.25
Cooling Flow Density (CFM/SF)	1.93
Cooling Flow / Load (CFM/ton)	397.14
Cooling Area / Load (SF/ton)	206.02
Heating Load Density (Btu/(h·ft²))	40.84
Heating Flow Density (CFM/SF)	0.95
Ventilation Density (CFM/SF)	0.21
Ventilation / Person (CFM)	8

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	4,090.0	12.40%	7,170.4	31.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	11,343.4	34.39%	8,254.0	35.69%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Ventilation	6,983.6	21.17%	7,703.7	33.31%
Lighting	1,800.7	5.46%		
Power	2,291.8	6.95%		
People	5,792.0	17.56%		
Plenum	0.0	0.00%		
Fan Heat	681.5	2.07%		
Reheat	0.0	0.00%		
Total	32,982.9	100%	23,128.1	100%

1 Spaces

Space Name	Area (SF)	Volume (CF)	Peak Cooling Load (Btu/h)	Cooling Airflow (CFM)	Peak Heating Load (Btu/h)	Heating Airflow (CFM)
1 MECH ROOM	29	235.61	1,283.8	55	1,328.6	46
2 BATH	41	327.16	1,869.0	81	1,069.7	37
3 LOUNGE	58	463.26	4,166.7	180	2,012.5	70
4 POOL HOUSE	438	3,504.14	17,998.4	776	11,013.6	383

Zone Summary - 2

Inputs	
Area (SF)	10,138
Volume (CF)	81,106.46
Cooling Setpoint	74 °F
Heating Setpoint	70 °F
Supply Air Temperature	54 °F
Number of People	470
Infiltration (CFM)	0
Air Volume Calculation Type	VAV - Single Duct
Relative Humidity	56.00% (Calculated)
Psychrometrics	
Psychrometric Message	None
Cooling Coil Entering Dry-Bulb Temperature	77 °F
Cooling Coil Entering Wet-Bulb Temperature	66 °F
Cooling Coil Leaving Dry-Bulb Temperature	50 °F
Cooling Coil Leaving Wet-Bulb Temperature	51 °F
Mixed Air Dry-Bulb Temperature	77 °F
Calculated Results	
Peak Cooling Load (Btu/h)	816,525.8
Peak Cooling Month and Hour	July 3:00 PM
Peak Cooling Sensible Load (Btu/h)	527,060.1
Peak Cooling Latent Load (Btu/h)	289,465.7
Peak Cooling Airflow (CFM)	21,487
Peak Heating Load (Btu/h)	387,595.9
Peak Heating Airflow (CFM)	6,087
Peak Ventilation Airflow (CFM)	3,206
Checksums	
Cooling Load Density (Btu/(h·ft²))	80.54
Cooling Flow Density (CFM/SF)	2.12
Cooling Flow / Load (CFM/ton)	315.78
Cooling Area / Load (SF/ton)	149.00
Heating Load Density (Btu/(h·ft²))	38.23
Heating Flow Density (CFM/SF)	0.60
Ventilation Density (CFM/SF)	0.32
Ventilation / Person (CFM)	7

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	17,551.2	2.15%	32,333.3	8.34%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	196,206.2	24.03%	142,769.4	36.83%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Ventilation	166,754.1	20.42%	212,493.2	54.82%
Lighting	32,238.7	3.95%		
Power	41,031.0	5.03%		
People	349,328.6	42.78%		
Plenum	0.0	0.00%		
Fan Heat	13,416.0	1.64%		
Reheat	0.0	0.00%		
Total	816,525.8	100%	387,595.9	100%

2 Spaces

Space Name	Area (SF)	Volume (CF)	Peak Cooling Load (Btu/h)	Cooling Airflow (CFM)	Peak Heating Load (Btu/h)	Heating Airflow (CFM)
5-1 CIGAR ROOM-1	369	2,952.21	15,758.3	532	7,960.0	277
6-1 BATH ROOM 1-1	199	1,590.14	8,364.1	282	3,840.3	134
7-1 WALK IN CLOSET-1	245	1,959.07	10,350.5	349	4,728.1	164
8-1 STORAGE ROOM-1	420	3,359.00	13,267.6	448	8,580.6	298
11-1 PLAYING AREA-1	4,231	33,844.98	312,244.1	10,543	68,271.6	2,373

9 STORAGE/PLAYING ROOM	665	5,320.00	20,944.1	707	13,192.7	459
10 LAUNDRAY	144	1,152.14	5,388.7	182	2,933.9	102
23-1 THEATER ROOM-1	1,159	9,268.72	81,468.0	2,751	20,919.8	727
20 PLUNGE	477	3,813.99	19,458.0	657	8,284.1	288
19-1 GYM ROOM-1	769	6,150.42	56,498.1	1,908	12,199.0	424
18 CLOSET	67	535.99	2,733.5	92	1,014.1	35
17 POWER ROOM	35	279.73	1,445.5	49	543.0	19
12-1 INDOOR SOCCER-1	769	6,148.11	65,935.0	2,226	13,313.0	463
14-1 POWER ROOM-1	70	559.34	2,833.5	96	1,044.4	36
15-1 STORAGE 2-1	147	1,172.14	4,146.5	140	2,124.7	74
13 BATH 2	86	691.13	3,875.2	131	1,880.2	65
21 STEAM ROOM	77	613.57	3,099.6	105	1,139.4	40
22 SAUNA	79	630.91	3,185.0	108	1,170.0	41
16 BATHROOM	133	1,064.85	5,360.5	181	1,963.7	68

Zone Summary - 3

Inputs	
Area (SF)	11,831
Volume (CF)	94,646.15
Cooling Setpoint	74 °F
Heating Setpoint	70 °F
Supply Air Temperature	54 °F
Number of People	486
Infiltration (CFM)	0
Air Volume Calculation Type	VAV - Single Duct
Relative Humidity	56.00% (Calculated)
Psychrometrics	
Psychrometric Message	None
Cooling Coil Entering Dry-Bulb Temperature	78 °F
Cooling Coil Entering Wet-Bulb Temperature	66 °F
Cooling Coil Leaving Dry-Bulb Temperature	48 °F
Cooling Coil Leaving Wet-Bulb Temperature	50 °F
Mixed Air Dry-Bulb Temperature	78 °F
Calculated Results	
Peak Cooling Load (Btu/h)	986,375.2
Peak Cooling Month and Hour	July 3:00 PM
Peak Cooling Sensible Load (Btu/h)	619,844.2
Peak Cooling Latent Load (Btu/h)	366,531.0
Peak Cooling Airflow (CFM)	24,850
Peak Heating Load (Btu/h)	473,853.7
Peak Heating Airflow (CFM)	6,846
Peak Ventilation Airflow (CFM)	4,178
Checksums	
Cooling Load Density (Btu/(h·ft²))	83.37
Cooling Flow Density (CFM/SF)	2.10
Cooling Flow / Load (CFM/ton)	302.32
Cooling Area / Load (SF/ton)	143.93
Heating Load Density (Btu/(h·ft²))	40.05
Heating Flow Density (CFM/SF)	0.58
Ventilation Density (CFM/SF)	0.35
Ventilation / Person (CFM)	9

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	17,955.1	1.82%	31,554.8	6.66%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	227,247.8	23.04%	165,356.8	34.90%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Ventilation	217,330.4	22.03%	276,942.2	58.44%
Lighting	37,620.4	3.81%		
Power	47,880.6	4.85%		
People	422,825.2	42.87%		
Plenum	0.0	0.00%		
Fan Heat	15,515.6	1.57%		
Reheat	0.0	0.00%		
Total	986,375.2	100%	473,853.7	100%

3 Spaces

Space Name	Area (SF)	Volume (CF)	Peak Cooling Load (Btu/h)	Cooling Airflow (CFM)	Peak Heating Load (Btu/h)	Heating Airflow (CFM)
5-2 CIGAR ROOM-2	369	2,952.21	15,758.3	520	7,960.0	277
6-2 BATH ROOM 1-2	102	814.44	4,549.7	150	2,475.7	86
6-3 BATH ROOM 1-3	93	740.68	3,726.9	123	1,364.6	47
8-2 STORAGE ROOM-2	127	1,018.42	4,531.8	149	1,921.9	67
7-2 WALK IN CLOSET-2	114	911.47	4,570.5	151	1,667.8	58

7-3 WALK IN CLOSET-3	126	1,004.52	5,672.3	187	3,060.3	106
8-3 STORAGE ROOM-3	288	2,306.09	11,392.8	376	6,658.8	231
11-2 PLAYING AREA-2	5,135	41,080.81	379,122.5	12,503	83,570.6	2,905
14-2 POWER ROOM-2	87	699.51	3,526.2	116	1,293.5	45
15-2 STORAGE 2-2	148	1,185.32	5,548.4	183	2,745.8	95
12-2 INDOOR SOCCER-2	565	4,518.20	42,539.9	1,403	10,095.3	351
11-3 PLAYING AREA-3	209	1,671.02	15,312.2	505	3,007.8	105
11-4 PLAYING AREA-4	66	527.10	5,310.8	175	1,639.9	57
37 Space	1,490	11,919.35	63,316.2	2,088	27,715.1	964
23-2 THEATER ROOM-2	196	1,570.76	13,461.2	444	2,828.5	98
23-3 THEATER ROOM-3	236	1,886.73	16,134.3	532	3,372.2	117
23-4 THEATER ROOM-4	932	7,455.73	63,231.3	2,085	12,942.8	450
19-2 GYM ROOM-2	1,046	8,368.77	76,199.2	2,513	15,613.9	543
42 Space	502	4,015.03	19,624.8	647	6,977.0	243

Zone Summary - 4

Inputs	
Area (SF)	12,080
Volume (CF)	96,642.39
Cooling Setpoint	74 °F
Heating Setpoint	70 °F
Supply Air Temperature	54 °F
Number of People	258
Infiltration (CFM)	0
Air Volume Calculation Type	VAV - Single Duct
Relative Humidity	46.00% (Calculated)
Psychrometrics	
Psychrometric Message	None
Cooling Coil Entering Dry-Bulb Temperature	76 °F
Cooling Coil Entering Wet-Bulb Temperature	63 °F
Cooling Coil Leaving Dry-Bulb Temperature	49 °F
Cooling Coil Leaving Wet-Bulb Temperature	50 °F
Mixed Air Dry-Bulb Temperature	76 °F
Calculated Results	
Peak Cooling Load (Btu/h)	574,393.0
Peak Cooling Month and Hour	July 3:00 PM
Peak Cooling Sensible Load (Btu/h)	451,442.1
Peak Cooling Latent Load (Btu/h)	122,950.9
Peak Cooling Airflow (CFM)	19,153
Peak Heating Load (Btu/h)	334,687.6
Peak Heating Airflow (CFM)	6,984
Peak Ventilation Airflow (CFM)	2,019
Checksums	
Cooling Load Density (Btu/(h·ft²))	47.55
Cooling Flow Density (CFM/SF)	1.59
Cooling Flow / Load (CFM/ton)	400.13
Cooling Area / Load (SF/ton)	252.38
Heating Load Density (Btu/(h·ft²))	27.71
Heating Flow Density (CFM/SF)	0.58
Ventilation Density (CFM/SF)	0.17
Ventilation / Person (CFM)	8

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	17,335.6	3.02%	30,660.4	9.16%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	233,950.2	40.73%	170,233.8	50.86%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Ventilation	121,286.5	21.12%	133,793.4	39.98%
Lighting	38,413.9	6.69%		
Power	48,890.4	8.51%		
People	102,557.9	17.86%		
Plenum	0.0	0.00%		
Fan Heat	11,958.4	2.08%		
Reheat	0.0	0.00%		
Total	574,393.0	100%	334,687.6	100%

4 Spaces

Space Name	Area (SF)	Volume (CF)	Peak Cooling Load (Btu/h)	Cooling Airflow (CFM)	Peak Heating Load (Btu/h)	Heating Airflow (CFM)
48 SUITE	369	2,952.21	12,305.8	534	7,960.0	277
52 BATHROOM	199	1,590.14	8,364.1	363	3,840.3	134
51 WALK IN CLOSET	245	1,959.07	10,172.7	442	4,452.1	155
49 UPPER ROOM	441	3,527.24	17,961.5	780	7,524.0	262
50 SITTING AREA	420	3,359.00	13,652.6	593	7,396.2	257

47 GREAT ROOM	4,488	35,904.47	137,961.9	5,990	72,165.7	2,509
30 MASTER SUITE	1,330	10,642.10	40,138.3	1,743	19,831.7	689
31 WIC	214	1,710.76	8,490.3	369	3,066.3	107
32 WIC	258	2,065.37	10,230.0	444	3,687.2	128
42 M Bath	411	3,287.33	16,260.2	706	5,852.3	203
43 TOILET	34	270.06	1,395.6	61	524.3	18
46 TOILET	22	173.70	912.7	40	348.2	12
41 Room	677	5,418.61	59,553.0	2,586	13,471.8	468
33 BATHROOM-1	155	1,243.77	6,205.0	269	2,252.8	78
34 WALK IN CLOSET	156	1,249.15	5,427.7	236	2,262.1	79
29 SUITE-1	688	5,503.30	20,669.1	897	9,712.9	338
28 SUITE-2	690	5,516.85	22,078.1	959	11,541.2	401
35 BATHROOM-2	163	1,303.23	6,524.1	283	2,376.8	83
36 WALK IN CLOSET	151	1,204.11	6,103.5	265	3,335.7	116
38 BATHROOM	161	1,288.36	6,958.7	302	3,041.4	106
37 SUITE-3	452	3,619.42	15,914.0	691	9,822.2	341
39 WALK IN CLOSET	108	863.92	3,789.0	165	1,590.5	55
40 ELEVATOR	66	527.10	3,101.6	135	1,639.9	57
44 LANDRY ROOM	115	918.15	3,901.6	169	1,697.3	59
45 LINEN	68	544.98	3,077.0	134	1,501.3	52

Space Summary - 43 Space

Inputs	
Area (SF)	576
Volume (CF)	4,608.12
Wall Area (SF)	400
Roof Area (SF)	600
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	634
Power Load (W)	806
Number of People	18
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	24,163.1
Peak Cooling Sensible Load (Btu/h)	20,756.9
Peak Cooling Latent Load (Btu/h)	3,406.1
Peak Cooling Airflow (CFM)	1,006
Peak Heating Load (Btu/h)	11,587.0
Peak Heating Airflow (CFM)	403

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	1,463.6	6.06%	3,451.5	29.79%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	11,180.5	46.27%	8,135.5	70.21%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	1,831.7	7.58%		
Power	2,331.2	9.65%		
People	7,356.0	30.44%		
Plenum	0.0	0.00%		
Total	24,163.1	100%	11,587.0	100%

Space Summary - 44 Space

Inputs	
Area (SF)	861
Volume (CF)	6,888.69
Wall Area (SF)	518
Roof Area (SF)	892
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	947
Power Load (W)	1,206
Number of People	27
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	36,072.2
Peak Cooling Sensible Load (Btu/h)	30,980.4
Peak Cooling Latent Load (Btu/h)	5,091.8
Peak Cooling Airflow (CFM)	1,502
Peak Heating Load (Btu/h)	16,564.4
Peak Heating Airflow (CFM)	576

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	2,222.1	6.16%	4,463.3	26.94%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	16,630.5	46.10%	12,101.2	73.06%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	2,738.2	7.59%		
Power	3,484.9	9.66%		
People	10,996.6	30.48%		
Plenum	0.0	0.00%		
Total	36,072.2	100%	16,564.4	100%

Space Summary - 27 OPEN DECK ROOF

Inputs	
Area (SF)	861
Volume (CF)	6,888.69
Wall Area (SF)	518
Roof Area (SF)	892
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	947
Power Load (W)	1,206
Number of People	27
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	36,072.2
Peak Cooling Sensible Load (Btu/h)	30,980.4
Peak Cooling Latent Load (Btu/h)	5,091.8
Peak Cooling Airflow (CFM)	1,502
Peak Heating Load (Btu/h)	16,564.4
Peak Heating Airflow (CFM)	576

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	2,222.1	6.16%	4,463.3	26.94%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	16,630.5	46.10%	12,101.2	73.06%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	2,738.2	7.59%		
Power	3,484.9	9.66%		
People	10,996.6	30.48%		
Plenum	0.0	0.00%		
Total	36,072.2	100%	16,564.4	100%

Space Summary - 26 BALCONY

Inputs	
Area (SF)	304
Volume (CF)	2,429.76
Wall Area (SF)	327
Roof Area (SF)	323
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	334
Power Load (W)	425
Number of People	10
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	13,260.6
Peak Cooling Sensible Load (Btu/h)	11,464.6
Peak Cooling Latent Load (Btu/h)	1,796.0
Peak Cooling Airflow (CFM)	552
Peak Heating Load (Btu/h)	7,203.5
Peak Heating Airflow (CFM)	250

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	1,159.2	8.74%	2,817.4	39.11%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	6,027.8	45.46%	4,386.1	60.89%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	965.8	7.28%		
Power	1,229.2	9.27%		
People	3,878.7	29.25%		
Plenum	0.0	0.00%		
Total	13,260.6	100%	7,203.5	100%

Space Summary - 1 MECH ROOM

Inputs	
Area (SF)	29
Volume (CF)	235.61
Wall Area (SF)	98
Roof Area (SF)	35
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	32
Power Load (W)	41
Number of People	1
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Electrical/Mechanical
Calculated Results	
Peak Cooling Load (Btu/h)	1,283.8
Peak Cooling Sensible Load (Btu/h)	1,268.2
Peak Cooling Latent Load (Btu/h)	15.6
Peak Cooling Airflow (CFM)	55
Peak Heating Load (Btu/h)	1,328.6
Peak Heating Airflow (CFM)	46

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	378.3	29.47%	849.1	63.91%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	659.0	51.33%	479.5	36.09%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	93.7	7.29%		
Power	119.2	9.28%		
People	33.7	2.62%		
Plenum	0.0	0.00%		
Total	1,283.8	100%	1,328.6	100%

Space Summary - 2 BATH

Inputs	
Area (SF)	41
Volume (CF)	327.16
Wall Area (SF)	49
Roof Area (SF)	48
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	45
Power Load (W)	57
Number of People	2
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	1,869.0
Peak Cooling Sensible Load (Btu/h)	1,627.1
Peak Cooling Latent Load (Btu/h)	241.8
Peak Cooling Airflow (CFM)	81
Peak Heating Load (Btu/h)	1,069.7
Peak Heating Airflow (CFM)	37

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	164.1	8.78%	424.3	39.67%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	887.0	47.46%	645.4	60.33%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	130.0	6.96%		
Power	165.5	8.86%		
People	522.3	27.94%		
Plenum	0.0	0.00%		
Total	1,869.0	100%	1,069.7	100%

Space Summary - 3 LOUNGE

Inputs	
Area (SF)	58
Volume (CF)	463.26
Wall Area (SF)	130
Roof Area (SF)	66
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	64
Power Load (W)	81
Number of People	4
Sensible Heat Gain / Person (Btu/h)	275.0
Latent Heat Gain / Person (Btu/h)	275.0
Infiltration Airflow (CFM)	0
Space Type	Dining Area - Hotel
Calculated Results	
Peak Cooling Load (Btu/h)	4,166.7
Peak Cooling Sensible Load (Btu/h)	3,182.9
Peak Cooling Latent Load (Btu/h)	983.8
Peak Cooling Airflow (CFM)	180
Peak Heating Load (Btu/h)	2,012.5
Peak Heating Airflow (CFM)	70

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	625.7	15.02%	1,120.4	55.67%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	1,226.0	29.42%	892.1	44.33%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	184.1	4.42%		
Power	234.4	5.62%		
People	1,896.5	45.52%		
Plenum	0.0	0.00%		
Total	4,166.7	100%	2,012.5	100%

Space Summary - 4 POOL HOUSE

Inputs	
Area (SF)	438
Volume (CF)	3,504.14
Wall Area (SF)	554
Roof Area (SF)	460
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	482
Power Load (W)	613
Number of People	9
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Dressing/Locker/Fitting Room - Gymnasium
Calculated Results	
Peak Cooling Load (Btu/h)	17,998.4
Peak Cooling Sensible Load (Btu/h)	16,452.0
Peak Cooling Latent Load (Btu/h)	1,546.3
Peak Cooling Airflow (CFM)	776
Peak Heating Load (Btu/h)	11,013.6
Peak Heating Airflow (CFM)	383

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	2,921.8	16.23%	4,776.6	43.37%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	8,571.4	47.62%	6,237.0	56.63%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	1,392.8	7.74%		
Power	1,772.7	9.85%		
People	3,339.5	18.55%		
Plenum	0.0	0.00%		
Total	17,998.4	100%	11,013.6	100%

Space Summary - 5-1 CIGAR ROOM-1

Inputs	
Area (SF)	369
Volume (CF)	2,952.21
Wall Area (SF)	315
Roof Area (SF)	387
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	406
Power Load (W)	517
Number of People	12
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	15,758.3
Peak Cooling Sensible Load (Btu/h)	13,576.1
Peak Cooling Latent Load (Btu/h)	2,182.2
Peak Cooling Airflow (CFM)	532
Peak Heating Load (Btu/h)	7,960.0
Peak Heating Airflow (CFM)	277

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	1,171.9	7.44%	2,716.0	34.12%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	7,206.7	45.73%	5,244.0	65.88%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	1,173.5	7.45%		
Power	1,493.5	9.48%		
People	4,712.7	29.91%		
Plenum	0.0	0.00%		
Total	15,758.3	100%	7,960.0	100%

Space Summary - 6-1 BATH ROOM 1-1

Inputs	
Area (SF)	199
Volume (CF)	1,590.14
Wall Area (SF)	113
Roof Area (SF)	211
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	219
Power Load (W)	278
Number of People	7
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	8,364.1
Peak Cooling Sensible Load (Btu/h)	7,188.7
Peak Cooling Latent Load (Btu/h)	1,175.4
Peak Cooling Airflow (CFM)	282
Peak Heating Load (Btu/h)	3,840.3
Peak Heating Airflow (CFM)	134

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	448.2	5.36%	972.6	25.33%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	3,941.0	47.12%	2,867.7	74.67%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	632.1	7.56%		
Power	804.4	9.62%		
People	2,538.4	30.35%		
Plenum	0.0	0.00%		
Total	8,364.1	100%	3,840.3	100%

Space Summary - 7-1 WALK IN CLOSET-1

Inputs	
Area (SF)	245
Volume (CF)	1,959.07
Wall Area (SF)	141
Roof Area (SF)	259
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	269
Power Load (W)	343
Number of People	8
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	10,350.5
Peak Cooling Sensible Load (Btu/h)	8,902.4
Peak Cooling Latent Load (Btu/h)	1,448.1
Peak Cooling Airflow (CFM)	349
Peak Heating Load (Btu/h)	4,728.1
Peak Heating Airflow (CFM)	164

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	630.5	6.09%	1,218.7	25.78%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	4,822.9	46.60%	3,509.4	74.22%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	778.7	7.52%		
Power	991.1	9.58%		
People	3,127.3	30.21%		
Plenum	0.0	0.00%		
Total	10,350.5	100%	4,728.1	100%

Space Summary - 8-1 STORAGE ROOM-1

Inputs	
Area (SF)	420
Volume (CF)	3,359.00
Wall Area (SF)	293
Roof Area (SF)	446
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	462
Power Load (W)	588
Number of People	2
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Active Storage - Hospital/Healthcare
Calculated Results	
Peak Cooling Load (Btu/h)	13,267.6
Peak Cooling Sensible Load (Btu/h)	13,045.3
Peak Cooling Latent Load (Btu/h)	222.3
Peak Cooling Airflow (CFM)	448
Peak Heating Load (Btu/h)	8,580.6
Peak Heating Airflow (CFM)	298

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	1,433.6	10.81%	2,527.0	29.45%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	8,319.4	62.70%	6,053.6	70.55%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	1,335.2	10.06%		
Power	1,699.3	12.81%		
People	480.2	3.62%		
Plenum	0.0	0.00%		
Total	13,267.6	100%	8,580.6	100%

Space Summary - 11-1 PLAYING AREA-1

Inputs	
Area (SF)	4,231
Volume (CF)	33,844.98
Wall Area (SF)	1,095
Roof Area (SF)	4,337
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	4,654
Power Load (W)	5,923
Number of People	118
Sensible Heat Gain / Person (Btu/h)	710.0
Latent Heat Gain / Person (Btu/h)	1,090.0
Infiltration Airflow (CFM)	0
Space Type	Playing Area Gymnasium
Calculated Results	
Peak Cooling Load (Btu/h)	312,244.1
Peak Cooling Sensible Load (Btu/h)	190,147.5
Peak Cooling Latent Load (Btu/h)	122,096.6
Peak Cooling Airflow (CFM)	10,543
Peak Heating Load (Btu/h)	68,271.6
Peak Heating Airflow (CFM)	2,373

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	4,946.8	1.58%	9,445.5	13.84%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	80,844.0	25.89%	58,826.1	86.16%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	13,452.9	4.31%		
Power	17,121.8	5.48%		
People	195,878.6	62.73%		
Plenum	0.0	0.00%		
Total	312,244.1	100%	68,271.6	100%

Space Summary - 9 STORAGE/PLAYING ROOM

Inputs	
Area (SF)	665
Volume (CF)	5,320.00
Wall Area (SF)	437
Roof Area (SF)	695
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	732
Power Load (W)	931
Number of People	2
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Active Storage
Calculated Results	
Peak Cooling Load (Btu/h)	20,944.1
Peak Cooling Sensible Load (Btu/h)	20,592.0
Peak Cooling Latent Load (Btu/h)	352.1
Peak Cooling Airflow (CFM)	707
Peak Heating Load (Btu/h)	13,192.7
Peak Heating Airflow (CFM)	459

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	2,428.7	11.60%	3,770.4	28.58%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	12,948.9	61.83%	9,422.3	71.42%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	2,114.6	10.10%		
Power	2,691.3	12.85%		
People	760.5	3.63%		
Plenum	0.0	0.00%		
Total	20,944.1	100%	13,192.7	100%

Space Summary - 10 LAUNDRAY

Inputs	
Area (SF)	144
Volume (CF)	1,152.14
Wall Area (SF)	97
Roof Area (SF)	155
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	158
Power Load (W)	202
Number of People	2
Sensible Heat Gain / Person (Btu/h)	275.0
Latent Heat Gain / Person (Btu/h)	475.0
Infiltration Airflow (CFM)	0
Space Type	Laundry - Washing - Hospital/Healthcare
Calculated Results	
Peak Cooling Load (Btu/h)	5,388.7
Peak Cooling Sensible Load (Btu/h)	4,785.0
Peak Cooling Latent Load (Btu/h)	603.8
Peak Cooling Airflow (CFM)	182
Peak Heating Load (Btu/h)	2,933.9
Peak Heating Airflow (CFM)	102

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	540.1	10.02%	838.5	28.58%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	2,879.7	53.44%	2,095.4	71.42%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	458.0	8.50%		
Power	582.9	10.82%		
People	928.0	17.22%		
Plenum	0.0	0.00%		
Total	5,388.7	100%	2,933.9	100%

Space Summary - 23-1 THEATER ROOM-1

Inputs	
Area (SF)	1,159
Volume (CF)	9,268.72
Wall Area (SF)	555
Roof Area (SF)	1,190
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	1,274
Power Load (W)	1,622
Number of People	162
Sensible Heat Gain / Person (Btu/h)	225.0
Latent Heat Gain / Person (Btu/h)	105.0
Infiltration Airflow (CFM)	0
Space Type	Audience/Seating Area - Motion Picture Theatre
Calculated Results	
Peak Cooling Load (Btu/h)	81,468.0
Peak Cooling Sensible Load (Btu/h)	65,362.8
Peak Cooling Latent Load (Btu/h)	16,105.1
Peak Cooling Airflow (CFM)	2,751
Peak Heating Load (Btu/h)	20,919.8
Peak Heating Airflow (CFM)	727

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	2,797.3	3.43%	4,783.4	22.87%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	22,176.0	27.22%	16,136.4	77.13%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	3,684.2	4.52%		
Power	4,689.0	5.76%		
People	48,121.5	59.07%		
Plenum	0.0	0.00%		
Total	81,468.0	100%	20,919.8	100%

Space Summary - 20 PLUNGE

Inputs	
Area (SF)	477
Volume (CF)	3,813.99
Wall Area (SF)	172
Roof Area (SF)	502
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	524
Power Load (W)	667
Number of People	15
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	19,458.0
Peak Cooling Sensible Load (Btu/h)	16,638.8
Peak Cooling Latent Load (Btu/h)	2,819.1
Peak Cooling Airflow (CFM)	657
Peak Heating Load (Btu/h)	8,284.1
Peak Heating Airflow (CFM)	288

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	572.2	2.94%	1,479.1	17.85%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	9,352.0	48.06%	6,805.0	82.15%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	1,516.0	7.79%		
Power	1,929.5	9.92%		
People	6,088.4	31.29%		
Plenum	0.0	0.00%		
Total	19,458.0	100%	8,284.1	100%

Space Summary - 19-1 GYM ROOM-1

Inputs	
Area (SF)	769
Volume (CF)	6,150.42
Wall Area (SF)	167
Roof Area (SF)	794
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	846
Power Load (W)	1,076
Number of People	22
Sensible Heat Gain / Person (Btu/h)	710.0
Latent Heat Gain / Person (Btu/h)	1,090.0
Infiltration Airflow (CFM)	0
Space Type	Playing Area Gymnasium
Calculated Results	
Peak Cooling Load (Btu/h)	56,498.1
Peak Cooling Sensible Load (Btu/h)	34,310.2
Peak Cooling Latent Load (Btu/h)	22,187.9
Peak Cooling Airflow (CFM)	1,908
Peak Heating Load (Btu/h)	12,199.0
Peak Heating Airflow (CFM)	424

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	555.9	0.98%	1,436.9	11.78%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	14,790.2	26.18%	10,762.1	88.22%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	2,444.7	4.33%		
Power	3,111.4	5.51%		
People	35,595.8	63.00%		
Plenum	0.0	0.00%		
Total	56,498.1	100%	12,199.0	100%

Space Summary - 18 CLOSET

Inputs	
Area (SF)	67
Volume (CF)	535.99
Wall Area (SF)	0
Roof Area (SF)	75
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	74
Power Load (W)	94
Number of People	3
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	2,733.5
Peak Cooling Sensible Load (Btu/h)	2,337.3
Peak Cooling Latent Load (Btu/h)	396.2
Peak Cooling Airflow (CFM)	92
Peak Heating Load (Btu/h)	1,014.1
Peak Heating Airflow (CFM)	35

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	1,393.7	50.99%	1,014.1	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	213.0	7.79%		
Power	271.2	9.92%		
People	855.6	31.30%		
Plenum	0.0	0.00%		
Total	2,733.5	100%	1,014.1	100%

Space Summary - 17 POWER ROOM

Inputs	
Area (SF)	35
Volume (CF)	279.73
Wall Area (SF)	0
Roof Area (SF)	40
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	38
Power Load (W)	49
Number of People	2
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	1,445.5
Peak Cooling Sensible Load (Btu/h)	1,238.7
Peak Cooling Latent Load (Btu/h)	206.8
Peak Cooling Airflow (CFM)	49
Peak Heating Load (Btu/h)	543.0
Peak Heating Airflow (CFM)	19

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	746.2	51.63%	543.0	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	111.2	7.69%		
Power	141.5	9.79%		
People	446.5	30.89%		
Plenum	0.0	0.00%		
Total	1,445.5	100%	543.0	100%

Space Summary - 12-1 INDOOR SOCCER-1

Inputs	
Area (SF)	769
Volume (CF)	6,148.11
Wall Area (SF)	295
Roof Area (SF)	794
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	845
Power Load (W)	1,076
Number of People	108
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Other Televised Playing Area - Sports Arena
Calculated Results	
Peak Cooling Load (Btu/h)	65,935.0
Peak Cooling Sensible Load (Btu/h)	45,586.8
Peak Cooling Latent Load (Btu/h)	20,348.2
Peak Cooling Airflow (CFM)	2,226
Peak Heating Load (Btu/h)	13,313.0
Peak Heating Airflow (CFM)	463

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	1,640.9	2.49%	2,547.4	19.13%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	14,795.1	22.44%	10,765.6	80.87%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	2,443.8	3.71%		
Power	3,110.3	4.72%		
People	43,944.9	66.65%		
Plenum	0.0	0.00%		
Total	65,935.0	100%	13,313.0	100%

Space Summary - 14-1 POWER ROOM-1

Inputs	
Area (SF)	70
Volume (CF)	559.34
Wall Area (SF)	0
Roof Area (SF)	77
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	77
Power Load (W)	98
Number of People	3
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	2,833.5
Peak Cooling Sensible Load (Btu/h)	2,420.0
Peak Cooling Latent Load (Btu/h)	413.4
Peak Cooling Airflow (CFM)	96
Peak Heating Load (Btu/h)	1,044.4
Peak Heating Airflow (CFM)	36

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	1,435.3	50.66%	1,044.4	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	222.3	7.85%		
Power	283.0	9.99%		
People	892.9	31.51%		
Plenum	0.0	0.00%		
Total	2,833.5	100%	1,044.4	100%

Space Summary - 15-1 STORAGE 2-1

Inputs	
Area (SF)	147
Volume (CF)	1,172.14
Wall Area (SF)	0
Roof Area (SF)	157
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	161
Power Load (W)	205
Number of People	1
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Active Storage
Calculated Results	
Peak Cooling Load (Btu/h)	4,146.5
Peak Cooling Sensible Load (Btu/h)	4,068.9
Peak Cooling Latent Load (Btu/h)	77.6
Peak Cooling Airflow (CFM)	140
Peak Heating Load (Btu/h)	2,124.7
Peak Heating Airflow (CFM)	74

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	2,920.0	70.42%	2,124.7	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	465.9	11.24%		
Power	593.0	14.30%		
People	167.6	4.04%		
Plenum	0.0	0.00%		
Total	4,146.5	100%	2,124.7	100%

Space Summary - 13 BATH 2

Inputs	
Area (SF)	86
Volume (CF)	691.13
Wall Area (SF)	69
Roof Area (SF)	95
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	95
Power Load (W)	121
Number of People	3
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	3,875.2
Peak Cooling Sensible Load (Btu/h)	3,364.4
Peak Cooling Latent Load (Btu/h)	510.9
Peak Cooling Airflow (CFM)	131
Peak Heating Load (Btu/h)	1,880.2
Peak Heating Airflow (CFM)	65

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	385.0	9.94%	597.7	31.79%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	1,762.6	45.48%	1,282.6	68.21%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	274.7	7.09%		
Power	349.6	9.02%		
People	1,103.3	28.47%		
Plenum	0.0	0.00%		
Total	3,875.2	100%	1,880.2	100%

Space Summary - 21 STEAM ROOM

Inputs	
Area (SF)	77
Volume (CF)	613.57
Wall Area (SF)	0
Roof Area (SF)	84
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	84
Power Load (W)	107
Number of People	3
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	3,099.6
Peak Cooling Sensible Load (Btu/h)	2,646.1
Peak Cooling Latent Load (Btu/h)	453.5
Peak Cooling Airflow (CFM)	105
Peak Heating Load (Btu/h)	1,139.4
Peak Heating Airflow (CFM)	40

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	1,565.8	50.52%	1,139.4	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	243.9	7.87%		
Power	310.4	10.01%		
People	979.5	31.60%		
Plenum	0.0	0.00%		
Total	3,099.6	100%	1,139.4	100%

Space Summary - 22 SAUNA

Inputs	
Area (SF)	79
Volume (CF)	630.91
Wall Area (SF)	0
Roof Area (SF)	86
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	87
Power Load (W)	110
Number of People	3
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	3,185.0
Peak Cooling Sensible Load (Btu/h)	2,718.7
Peak Cooling Latent Load (Btu/h)	466.3
Peak Cooling Airflow (CFM)	108
Peak Heating Load (Btu/h)	1,170.0
Peak Heating Airflow (CFM)	41

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	1,607.9	50.48%	1,170.0	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	250.8	7.87%		
Power	319.2	10.02%		
People	1,007.1	31.62%		
Plenum	0.0	0.00%		
Total	3,185.0	100%	1,170.0	100%

Space Summary - 16 BATHROOM

Inputs	
Area (SF)	133
Volume (CF)	1,064.85
Wall Area (SF)	0
Roof Area (SF)	145
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	146
Power Load (W)	186
Number of People	5
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	5,360.5
Peak Cooling Sensible Load (Btu/h)	4,573.4
Peak Cooling Latent Load (Btu/h)	787.1
Peak Cooling Airflow (CFM)	181
Peak Heating Load (Btu/h)	1,963.7
Peak Heating Airflow (CFM)	68

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	2,698.7	50.34%	1,963.7	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	423.3	7.90%		
Power	538.7	10.05%		
People	1,699.8	31.71%		
Plenum	0.0	0.00%		
Total	5,360.5	100%	1,963.7	100%

Space Summary - 5-2 CIGAR ROOM-2

Inputs	
Area (SF)	369
Volume (CF)	2,952.21
Wall Area (SF)	315
Roof Area (SF)	387
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	406
Power Load (W)	517
Number of People	12
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	15,758.3
Peak Cooling Sensible Load (Btu/h)	13,576.1
Peak Cooling Latent Load (Btu/h)	2,182.2
Peak Cooling Airflow (CFM)	520
Peak Heating Load (Btu/h)	7,960.0
Peak Heating Airflow (CFM)	277

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	1,171.9	7.44%	2,716.0	34.12%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	7,206.7	45.73%	5,244.0	65.88%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	1,173.5	7.45%		
Power	1,493.5	9.48%		
People	4,712.7	29.91%		
Plenum	0.0	0.00%		
Total	15,758.3	100%	7,960.0	100%

Space Summary - 6-2 BATH ROOM 1-2

Inputs	
Area (SF)	102
Volume (CF)	814.44
Wall Area (SF)	113
Roof Area (SF)	111
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	112
Power Load (W)	143
Number of People	4
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	4,549.7
Peak Cooling Sensible Load (Btu/h)	3,947.7
Peak Cooling Latent Load (Btu/h)	602.0
Peak Cooling Airflow (CFM)	150
Peak Heating Load (Btu/h)	2,475.7
Peak Heating Airflow (CFM)	86

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	448.2	9.85%	972.6	39.29%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	2,065.6	45.40%	1,503.0	60.71%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	323.7	7.12%		
Power	412.0	9.06%		
People	1,300.1	28.58%		
Plenum	0.0	0.00%		
Total	4,549.7	100%	2,475.7	100%

Space Summary - 6-3 BATH ROOM 1-3

Inputs	
Area (SF)	93
Volume (CF)	740.68
Wall Area (SF)	0
Roof Area (SF)	101
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	102
Power Load (W)	130
Number of People	3
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	3,726.9
Peak Cooling Sensible Load (Btu/h)	3,179.4
Peak Cooling Latent Load (Btu/h)	547.5
Peak Cooling Airflow (CFM)	123
Peak Heating Load (Btu/h)	1,364.6
Peak Heating Airflow (CFM)	47

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	1,875.4	50.32%	1,364.6	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	294.4	7.90%		
Power	374.7	10.05%		
People	1,182.4	31.73%		
Plenum	0.0	0.00%		
Total	3,726.9	100%	1,364.6	100%

Space Summary - 8-2 STORAGE ROOM-2

Inputs	
Area (SF)	127
Volume (CF)	1,018.42
Wall Area (SF)	0
Roof Area (SF)	142
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	140
Power Load (W)	178
Number of People	3
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Dressing/Locker/Fitting Room - Gymnasium
Calculated Results	
Peak Cooling Load (Btu/h)	4,531.8
Peak Cooling Sensible Load (Btu/h)	4,082.4
Peak Cooling Latent Load (Btu/h)	449.4
Peak Cooling Airflow (CFM)	149
Peak Heating Load (Btu/h)	1,921.9
Peak Heating Airflow (CFM)	67

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	2,641.2	58.28%	1,921.9	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	404.8	8.93%		
Power	515.2	11.37%		
People	970.6	21.42%		
Plenum	0.0	0.00%		
Total	4,531.8	100%	1,921.9	100%

Space Summary - 7-2 WALK IN CLOSET-2

Inputs	
Area (SF)	114
Volume (CF)	911.47
Wall Area (SF)	0
Roof Area (SF)	123
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	125
Power Load (W)	160
Number of People	4
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	4,570.5
Peak Cooling Sensible Load (Btu/h)	3,896.7
Peak Cooling Latent Load (Btu/h)	673.7
Peak Cooling Airflow (CFM)	151
Peak Heating Load (Btu/h)	1,667.8
Peak Heating Airflow (CFM)	58

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	2,292.1	50.15%	1,667.8	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	362.3	7.93%		
Power	461.1	10.09%		
People	1,455.0	31.83%		
Plenum	0.0	0.00%		
Total	4,570.5	100%	1,667.8	100%

Space Summary - 7-3 WALK IN CLOSET-3

Inputs	
Area (SF)	126
Volume (CF)	1,004.52
Wall Area (SF)	141
Roof Area (SF)	136
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	138
Power Load (W)	176
Number of People	4
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	5,672.3
Peak Cooling Sensible Load (Btu/h)	4,929.8
Peak Cooling Latent Load (Btu/h)	742.5
Peak Cooling Airflow (CFM)	187
Peak Heating Load (Btu/h)	3,060.3
Peak Heating Airflow (CFM)	106

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	630.5	11.11%	1,218.7	39.82%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	2,530.8	44.62%	1,841.6	60.18%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	399.3	7.04%		
Power	508.2	8.96%		
People	1,603.5	28.27%		
Plenum	0.0	0.00%		
Total	5,672.3	100%	3,060.3	100%

Space Summary - 8-3 STORAGE ROOM-3

Inputs	
Area (SF)	288
Volume (CF)	2,306.09
Wall Area (SF)	293
Roof Area (SF)	305
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	317
Power Load (W)	404
Number of People	6
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Dressing/Locker/Fitting Room - Gymnasium
Calculated Results	
Peak Cooling Load (Btu/h)	11,392.8
Peak Cooling Sensible Load (Btu/h)	10,375.2
Peak Cooling Latent Load (Btu/h)	1,017.7
Peak Cooling Airflow (CFM)	376
Peak Heating Load (Btu/h)	6,658.8
Peak Heating Airflow (CFM)	231

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	1,433.6	12.58%	2,527.0	37.95%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	5,678.2	49.84%	4,131.8	62.05%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	916.6	8.05%		
Power	1,166.6	10.24%		
People	2,197.8	19.29%		
Plenum	0.0	0.00%		
Total	11,392.8	100%	6,658.8	100%

Space Summary - 11-2 PLAYING AREA-2

Inputs	
Area (SF)	5,135
Volume (CF)	41,080.81
Wall Area (SF)	1,463
Roof Area (SF)	5,232
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	5,649
Power Load (W)	7,189
Number of People	144
Sensible Heat Gain / Person (Btu/h)	710.0
Latent Heat Gain / Person (Btu/h)	1,090.0
Infiltration Airflow (CFM)	0
Space Type	Playing Area Gymnasium
Calculated Results	
Peak Cooling Load (Btu/h)	379,122.5
Peak Cooling Sensible Load (Btu/h)	230,921.8
Peak Cooling Latent Load (Btu/h)	148,200.7
Peak Cooling Airflow (CFM)	12,503
Peak Heating Load (Btu/h)	83,570.6
Peak Heating Airflow (CFM)	2,905

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	6,741.3	1.78%	12,615.7	15.10%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	97,512.4	25.72%	70,954.9	84.90%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	16,329.1	4.31%		
Power	20,782.4	5.48%		
People	237,757.2	62.71%		
Plenum	0.0	0.00%		
Total	379,122.5	100%	83,570.6	100%

Space Summary - 14-2 POWER ROOM-2

Inputs	
Area (SF)	87
Volume (CF)	699.51
Wall Area (SF)	0
Roof Area (SF)	95
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	96
Power Load (W)	122
Number of People	3
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	3,526.2
Peak Cooling Sensible Load (Btu/h)	3,009.2
Peak Cooling Latent Load (Btu/h)	517.1
Peak Cooling Airflow (CFM)	116
Peak Heating Load (Btu/h)	1,293.5
Peak Heating Airflow (CFM)	45

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	1,777.7	50.41%	1,293.5	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	278.0	7.89%		
Power	353.9	10.04%		
People	1,116.6	31.67%		
Plenum	0.0	0.00%		
Total	3,526.2	100%	1,293.5	100%

Space Summary - 15-2 STORAGE 2-2

Inputs	
Area (SF)	148
Volume (CF)	1,185.32
Wall Area (SF)	68
Roof Area (SF)	159
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	163
Power Load (W)	207
Number of People	3
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Dressing/Locker/Fitting Room - Gymnasium
Calculated Results	
Peak Cooling Load (Btu/h)	5,548.4
Peak Cooling Sensible Load (Btu/h)	5,025.3
Peak Cooling Latent Load (Btu/h)	523.1
Peak Cooling Airflow (CFM)	183
Peak Heating Load (Btu/h)	2,745.8
Peak Heating Airflow (CFM)	95

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	375.5	6.77%	583.0	21.23%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	2,972.4	53.57%	2,162.9	78.77%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	471.1	8.49%		
Power	599.6	10.81%		
People	1,129.6	20.36%		
Plenum	0.0	0.00%		
Total	5,548.4	100%	2,745.8	100%

Space Summary - 12-2 INDOOR SOCCER-2

Inputs	
Area (SF)	565
Volume (CF)	4,518.20
Wall Area (SF)	249
Roof Area (SF)	586
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	621
Power Load (W)	791
Number of People	16
Sensible Heat Gain / Person (Btu/h)	710.0
Latent Heat Gain / Person (Btu/h)	1,090.0
Infiltration Airflow (CFM)	0
Space Type	Playing Area Gymnasium
Calculated Results	
Peak Cooling Load (Btu/h)	42,539.9
Peak Cooling Sensible Load (Btu/h)	26,240.3
Peak Cooling Latent Load (Btu/h)	16,299.6
Peak Cooling Airflow (CFM)	1,403
Peak Heating Load (Btu/h)	10,095.3
Peak Heating Airflow (CFM)	351

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	1,380.6	3.25%	2,143.3	21.23%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	10,928.4	25.69%	7,952.0	78.77%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	1,795.9	4.22%		
Power	2,285.7	5.37%		
People	26,149.3	61.47%		
Plenum	0.0	0.00%		
Total	42,539.9	100%	10,095.3	100%

Space Summary - 11-3 PLAYING AREA-3

Inputs	
Area (SF)	209
Volume (CF)	1,671.02
Wall Area (SF)	0
Roof Area (SF)	222
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	230
Power Load (W)	292
Number of People	6
Sensible Heat Gain / Person (Btu/h)	710.0
Latent Heat Gain / Person (Btu/h)	1,090.0
Infiltration Airflow (CFM)	0
Space Type	Playing Area Gymnasium
Calculated Results	
Peak Cooling Load (Btu/h)	15,312.2
Peak Cooling Sensible Load (Btu/h)	9,285.0
Peak Cooling Latent Load (Btu/h)	6,027.1
Peak Cooling Airflow (CFM)	505
Peak Heating Load (Btu/h)	3,007.8
Peak Heating Airflow (CFM)	105

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	4,133.6	27.00%	3,007.8	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	664.1	4.34%		
Power	845.2	5.52%		
People	9,669.3	63.15%		
Plenum	0.0	0.00%		
Total	15,312.2	100%	3,007.8	100%

Space Summary - 11-4 PLAYING AREA-4

Inputs	
Area (SF)	66
Volume (CF)	527.10
Wall Area (SF)	75
Roof Area (SF)	73
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	72
Power Load (W)	92
Number of People	2
Sensible Heat Gain / Person (Btu/h)	710.0
Latent Heat Gain / Person (Btu/h)	1,090.0
Infiltration Airflow (CFM)	0
Space Type	Playing Area Gymnasium
Calculated Results	
Peak Cooling Load (Btu/h)	5,310.8
Peak Cooling Sensible Load (Btu/h)	3,409.2
Peak Cooling Latent Load (Btu/h)	1,901.5
Peak Cooling Airflow (CFM)	175
Peak Heating Load (Btu/h)	1,639.9
Peak Heating Airflow (CFM)	57

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	414.5	7.80%	643.4	39.23%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	1,369.5	25.79%	996.5	60.77%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	209.5	3.95%		
Power	266.7	5.02%		
People	3,050.6	57.44%		
Plenum	0.0	0.00%		
Total	5,310.8	100%	1,639.9	100%

Space Summary - 37 Space

Inputs	
Area (SF)	1,490
Volume (CF)	11,919.35
Wall Area (SF)	796
Roof Area (SF)	1,537
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	1,639
Power Load (W)	2,086
Number of People	47
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	63,316.2
Peak Cooling Sensible Load (Btu/h)	54,505.9
Peak Cooling Latent Load (Btu/h)	8,810.3
Peak Cooling Airflow (CFM)	2,088
Peak Heating Load (Btu/h)	27,715.1
Peak Heating Airflow (CFM)	964

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	4,867.8	7.69%	6,865.4	24.77%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	28,653.6	45.25%	20,849.7	75.23%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	4,737.8	7.48%		
Power	6,029.9	9.52%		
People	19,027.1	30.05%		
Plenum	0.0	0.00%		
Total	63,316.2	100%	27,715.1	100%

Space Summary - 23-2 THEATER ROOM-2

Inputs	
Area (SF)	196
Volume (CF)	1,570.76
Wall Area (SF)	0
Roof Area (SF)	209
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	216
Power Load (W)	275
Number of People	28
Sensible Heat Gain / Person (Btu/h)	225.0
Latent Heat Gain / Person (Btu/h)	105.0
Infiltration Airflow (CFM)	0
Space Type	Audience/Seating Area - Motion Picture Theatre
Calculated Results	
Peak Cooling Load (Btu/h)	13,461.2
Peak Cooling Sensible Load (Btu/h)	10,731.9
Peak Cooling Latent Load (Btu/h)	2,729.3
Peak Cooling Airflow (CFM)	444
Peak Heating Load (Btu/h)	2,828.5
Peak Heating Airflow (CFM)	98

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	3,887.1	28.88%	2,828.5	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	624.4	4.64%		
Power	794.6	5.90%		
People	8,155.1	60.58%		
Plenum	0.0	0.00%		
Total	13,461.2	100%	2,828.5	100%

Space Summary - 23-3 THEATER ROOM-3

Inputs	
Area (SF)	236
Volume (CF)	1,886.73
Wall Area (SF)	0
Roof Area (SF)	249
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	259
Power Load (W)	330
Number of People	33
Sensible Heat Gain / Person (Btu/h)	225.0
Latent Heat Gain / Person (Btu/h)	105.0
Infiltration Airflow (CFM)	0
Space Type	Audience/Seating Area - Motion Picture Theatre
Calculated Results	
Peak Cooling Load (Btu/h)	16,134.3
Peak Cooling Sensible Load (Btu/h)	12,856.0
Peak Cooling Latent Load (Btu/h)	3,278.3
Peak Cooling Airflow (CFM)	532
Peak Heating Load (Btu/h)	3,372.2
Peak Heating Airflow (CFM)	117

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	4,634.4	28.72%	3,372.2	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	749.9	4.65%		
Power	954.5	5.92%		
People	9,795.5	60.71%		
Plenum	0.0	0.00%		
Total	16,134.3	100%	3,372.2	100%

Space Summary - 23-4 THEATER ROOM-4

Inputs	
Area (SF)	932
Volume (CF)	7,455.73
Wall Area (SF)	0
Roof Area (SF)	954
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	1,025
Power Load (W)	1,305
Number of People	130
Sensible Heat Gain / Person (Btu/h)	225.0
Latent Heat Gain / Person (Btu/h)	105.0
Infiltration Airflow (CFM)	0
Space Type	Audience/Seating Area - Motion Picture Theatre
Calculated Results	
Peak Cooling Load (Btu/h)	63,231.3
Peak Cooling Sensible Load (Btu/h)	50,276.4
Peak Cooling Latent Load (Btu/h)	12,954.9
Peak Cooling Airflow (CFM)	2,085
Peak Heating Load (Btu/h)	12,942.8
Peak Heating Airflow (CFM)	450

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	17,787.2	28.13%	12,942.8	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	2,963.6	4.69%		
Power	3,771.8	5.97%		
People	38,708.8	61.22%		
Plenum	0.0	0.00%		
Total	63,231.3	100%	12,942.8	100%

Space Summary - 19-2 GYM ROOM-2

Inputs	
Area (SF)	1,046
Volume (CF)	8,368.77
Wall Area (SF)	147
Roof Area (SF)	1,058
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	1,151
Power Load (W)	1,465
Number of People	30
Sensible Heat Gain / Person (Btu/h)	710.0
Latent Heat Gain / Person (Btu/h)	1,090.0
Infiltration Airflow (CFM)	0
Space Type	Exercise Area - Gymnasium
Calculated Results	
Peak Cooling Load (Btu/h)	76,199.2
Peak Cooling Sensible Load (Btu/h)	46,008.5
Peak Cooling Latent Load (Btu/h)	30,190.7
Peak Cooling Airflow (CFM)	2,513
Peak Heating Load (Btu/h)	15,613.9
Peak Heating Airflow (CFM)	543

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	491.2	0.64%	1,269.6	8.13%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	19,713.2	25.87%	14,344.3	91.87%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	3,326.5	4.37%		
Power	4,233.7	5.56%		
People	48,434.7	63.56%		
Plenum	0.0	0.00%		
Total	76,199.2	100%	15,613.9	100%

Space Summary - 42 Space

Inputs	
Area (SF)	502
Volume (CF)	4,015.03
Wall Area (SF)	0
Roof Area (SF)	514
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	552
Power Load (W)	703
Number of People	16
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	19,624.8
Peak Cooling Sensible Load (Btu/h)	16,657.1
Peak Cooling Latent Load (Btu/h)	2,967.8
Peak Cooling Airflow (CFM)	647
Peak Heating Load (Btu/h)	6,977.0
Peak Heating Airflow (CFM)	243

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	9,588.4	48.86%	6,977.0	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	1,595.9	8.13%		
Power	2,031.2	10.35%		
People	6,409.3	32.66%		
Plenum	0.0	0.00%		
Total	19,624.8	100%	6,977.0	100%

Space Summary - 48 SUITE

Inputs	
Area (SF)	369
Volume (CF)	2,952.21
Wall Area (SF)	315
Roof Area (SF)	387
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	406
Power Load (W)	517
Number of People	4
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	155.0
Infiltration Airflow (CFM)	0
Space Type	Dormitory Bedroom
Calculated Results	
Peak Cooling Load (Btu/h)	12,305.8
Peak Cooling Sensible Load (Btu/h)	11,801.0
Peak Cooling Latent Load (Btu/h)	504.8
Peak Cooling Airflow (CFM)	534
Peak Heating Load (Btu/h)	7,960.0
Peak Heating Airflow (CFM)	277

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	1,171.9	9.52%	2,716.0	34.12%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	7,206.7	58.56%	5,244.0	65.88%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	1,173.5	9.54%		
Power	1,493.5	12.14%		
People	1,260.2	10.24%		
Plenum	0.0	0.00%		
Total	12,305.8	100%	7,960.0	100%

Space Summary - 52 BATHROOM

Inputs	
Area (SF)	199
Volume (CF)	1,590.14
Wall Area (SF)	113
Roof Area (SF)	211
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	219
Power Load (W)	278
Number of People	7
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	8,364.1
Peak Cooling Sensible Load (Btu/h)	7,188.7
Peak Cooling Latent Load (Btu/h)	1,175.4
Peak Cooling Airflow (CFM)	363
Peak Heating Load (Btu/h)	3,840.3
Peak Heating Airflow (CFM)	134

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	448.2	5.36%	972.6	25.33%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	3,941.0	47.12%	2,867.7	74.67%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	632.1	7.56%		
Power	804.4	9.62%		
People	2,538.4	30.35%		
Plenum	0.0	0.00%		
Total	8,364.1	100%	3,840.3	100%

Space Summary - 51 WALK IN CLOSET

Inputs	
Area (SF)	245
Volume (CF)	1,959.07
Wall Area (SF)	109
Roof Area (SF)	259
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	269
Power Load (W)	343
Number of People	8
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	10,172.7
Peak Cooling Sensible Load (Btu/h)	8,724.6
Peak Cooling Latent Load (Btu/h)	1,448.1
Peak Cooling Airflow (CFM)	442
Peak Heating Load (Btu/h)	4,452.1
Peak Heating Airflow (CFM)	155

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	452.7	4.45%	942.8	21.18%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	4,822.9	47.41%	3,509.4	78.82%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	778.7	7.65%		
Power	991.1	9.74%		
People	3,127.3	30.74%		
Plenum	0.0	0.00%		
Total	10,172.7	100%	4,452.1	100%

Space Summary - 49 UPPER ROOM

Inputs	
Area (SF)	441
Volume (CF)	3,527.24
Wall Area (SF)	149
Roof Area (SF)	460
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	485
Power Load (W)	617
Number of People	14
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	17,961.5
Peak Cooling Sensible Load (Btu/h)	15,354.3
Peak Cooling Latent Load (Btu/h)	2,607.2
Peak Cooling Airflow (CFM)	780
Peak Heating Load (Btu/h)	7,524.0
Peak Heating Airflow (CFM)	262

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	566.4	3.15%	1,282.2	17.04%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	8,578.0	47.76%	6,241.8	82.96%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	1,402.0	7.81%		
Power	1,784.4	9.93%		
People	5,630.6	31.35%		
Plenum	0.0	0.00%		
Total	17,961.5	100%	7,524.0	100%

Space Summary - 50 SITTING AREA

Inputs	
Area (SF)	420
Volume (CF)	3,359.00
Wall Area (SF)	156
Roof Area (SF)	446
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	462
Power Load (W)	588
Number of People	4
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	155.0
Infiltration Airflow (CFM)	0
Space Type	Living Quarters - Hotel
Calculated Results	
Peak Cooling Load (Btu/h)	13,652.6
Peak Cooling Sensible Load (Btu/h)	13,078.2
Peak Cooling Latent Load (Btu/h)	574.4
Peak Cooling Airflow (CFM)	593
Peak Heating Load (Btu/h)	7,396.2
Peak Heating Airflow (CFM)	257

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	864.8	6.33%	1,342.6	18.15%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	8,319.4	60.94%	6,053.6	81.85%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	1,335.2	9.78%		
Power	1,699.3	12.45%		
People	1,433.9	10.50%		
Plenum	0.0	0.00%		
Total	13,652.6	100%	7,396.2	100%

Space Summary - 47 GREAT ROOM

Inputs	
Area (SF)	4,488
Volume (CF)	35,904.47
Wall Area (SF)	1,210
Roof Area (SF)	4,551
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	4,937
Power Load (W)	6,283
Number of People	42
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	155.0
Infiltration Airflow (CFM)	0
Space Type	Living Quarters - Hotel
Calculated Results	
Peak Cooling Load (Btu/h)	137,961.9
Peak Cooling Sensible Load (Btu/h)	131,822.3
Peak Cooling Latent Load (Btu/h)	6,139.7
Peak Cooling Airflow (CFM)	5,990
Peak Heating Load (Btu/h)	72,165.7
Peak Heating Airflow (CFM)	2,509

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	5,371.1	3.89%	10,440.0	14.47%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	84,829.0	61.49%	61,725.8	85.53%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	14,271.5	10.34%		
Power	18,163.8	13.17%		
People	15,326.5	11.11%		
Plenum	0.0	0.00%		
Total	137,961.9	100%	72,165.7	100%

Space Summary - 30 MASTER SUITE

Inputs	
Area (SF)	1,330
Volume (CF)	10,642.10
Wall Area (SF)	149
Roof Area (SF)	1,367
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	1,463
Power Load (W)	1,862
Number of People	13
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	155.0
Infiltration Airflow (CFM)	0
Space Type	Dormitory Bedroom
Calculated Results	
Peak Cooling Load (Btu/h)	40,138.3
Peak Cooling Sensible Load (Btu/h)	38,318.5
Peak Cooling Latent Load (Btu/h)	1,819.8
Peak Cooling Airflow (CFM)	1,743
Peak Heating Load (Btu/h)	19,831.7
Peak Heating Airflow (CFM)	689

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	498.6	1.24%	1,288.9	6.50%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	25,483.1	63.49%	18,542.8	93.50%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	4,230.1	10.54%		
Power	5,383.8	13.41%		
People	4,542.8	11.32%		
Plenum	0.0	0.00%		
Total	40,138.3	100%	19,831.7	100%

Space Summary - 31 WIC

Inputs	
Area (SF)	214
Volume (CF)	1,710.76
Wall Area (SF)	0
Roof Area (SF)	226
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	235
Power Load (W)	299
Number of People	7
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	8,490.3
Peak Cooling Sensible Load (Btu/h)	7,225.8
Peak Cooling Latent Load (Btu/h)	1,264.5
Peak Cooling Airflow (CFM)	369
Peak Heating Load (Btu/h)	3,066.3
Peak Heating Airflow (CFM)	107

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	4,213.9	49.63%	3,066.3	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	680.0	8.01%		
Power	865.5	10.19%		
People	2,730.9	32.17%		
Plenum	0.0	0.00%		
Total	8,490.3	100%	3,066.3	100%

Space Summary - 32 WIC

Inputs	
Area (SF)	258
Volume (CF)	2,065.37
Wall Area (SF)	0
Roof Area (SF)	272
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	284
Power Load (W)	361
Number of People	9
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	10,230.0
Peak Cooling Sensible Load (Btu/h)	8,703.4
Peak Cooling Latent Load (Btu/h)	1,526.6
Peak Cooling Airflow (CFM)	444
Peak Heating Load (Btu/h)	3,687.2
Peak Heating Airflow (CFM)	128

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	5,067.2	49.53%	3,687.2	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	821.0	8.02%		
Power	1,044.9	10.21%		
People	3,297.0	32.23%		
Plenum	0.0	0.00%		
Total	10,230.0	100%	3,687.2	100%

Space Summary - 42 M Bath

Inputs	
Area (SF)	411
Volume (CF)	3,287.33
Wall Area (SF)	0
Roof Area (SF)	432
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	452
Power Load (W)	575
Number of People	13
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	16,260.2
Peak Cooling Sensible Load (Btu/h)	13,830.3
Peak Cooling Latent Load (Btu/h)	2,429.9
Peak Cooling Airflow (CFM)	706
Peak Heating Load (Btu/h)	5,852.3
Peak Heating Airflow (CFM)	203

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	8,042.8	49.46%	5,852.3	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	1,306.7	8.04%		
Power	1,663.0	10.23%		
People	5,247.6	32.27%		
Plenum	0.0	0.00%		
Total	16,260.2	100%	5,852.3	100%

Space Summary - 43 TOILET

Inputs	
Area (SF)	34
Volume (CF)	270.06
Wall Area (SF)	0
Roof Area (SF)	39
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	37
Power Load (W)	47
Number of People	2
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	1,395.6
Peak Cooling Sensible Load (Btu/h)	1,196.0
Peak Cooling Latent Load (Btu/h)	199.6
Peak Cooling Airflow (CFM)	61
Peak Heating Load (Btu/h)	524.3
Peak Heating Airflow (CFM)	18

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	720.5	51.63%	524.3	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	107.3	7.69%		
Power	136.6	9.79%		
People	431.1	30.89%		
Plenum	0.0	0.00%		
Total	1,395.6	100%	524.3	100%

Space Summary - 46 TOILET

Inputs	
Area (SF)	22
Volume (CF)	173.70
Wall Area (SF)	0
Roof Area (SF)	26
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	24
Power Load (W)	30
Number of People	1
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	912.7
Peak Cooling Sensible Load (Btu/h)	784.3
Peak Cooling Latent Load (Btu/h)	128.4
Peak Cooling Airflow (CFM)	40
Peak Heating Load (Btu/h)	348.2
Peak Heating Airflow (CFM)	12

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	478.5	52.43%	348.2	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	69.0	7.56%		
Power	87.9	9.63%		
People	277.3	30.38%		
Plenum	0.0	0.00%		
Total	912.7	100%	348.2	100%

Space Summary - 41 Room

Inputs	
Area (SF)	677
Volume (CF)	5,418.61
Wall Area (SF)	411
Roof Area (SF)	732
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	745
Power Load (W)	948
Number of People	95
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Lobby
Calculated Results	
Peak Cooling Load (Btu/h)	59,553.0
Peak Cooling Sensible Load (Btu/h)	41,619.2
Peak Cooling Latent Load (Btu/h)	17,933.8
Peak Cooling Airflow (CFM)	2,586
Peak Heating Load (Btu/h)	13,471.8
Peak Heating Airflow (CFM)	468

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	2,282.3	3.83%	3,543.1	26.30%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	13,645.0	22.91%	9,928.8	73.70%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	2,153.8	3.62%		
Power	2,741.2	4.60%		
People	38,730.6	65.04%		
Plenum	0.0	0.00%		
Total	59,553.0	100%	13,471.8	100%

Space Summary - 33 BATHROOM-1

Inputs	
Area (SF)	155
Volume (CF)	1,243.77
Wall Area (SF)	0
Roof Area (SF)	166
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	171
Power Load (W)	218
Number of People	5
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	6,205.0
Peak Cooling Sensible Load (Btu/h)	5,285.7
Peak Cooling Latent Load (Btu/h)	919.3
Peak Cooling Airflow (CFM)	269
Peak Heating Load (Btu/h)	2,252.8
Peak Heating Airflow (CFM)	78

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	3,096.0	49.89%	2,252.8	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	494.4	7.97%		
Power	629.2	10.14%		
People	1,985.5	32.00%		
Plenum	0.0	0.00%		
Total	6,205.0	100%	2,252.8	100%

Space Summary - 34 WALK IN CLOSET

Inputs	
Area (SF)	156
Volume (CF)	1,249.15
Wall Area (SF)	0
Roof Area (SF)	167
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	172
Power Load (W)	219
Number of People	3
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Dressing/Locker/Fitting Room - Gymnasium
Calculated Results	
Peak Cooling Load (Btu/h)	5,427.7
Peak Cooling Sensible Load (Btu/h)	4,876.5
Peak Cooling Latent Load (Btu/h)	551.2
Peak Cooling Airflow (CFM)	236
Peak Heating Load (Btu/h)	2,262.1
Peak Heating Airflow (CFM)	79

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	3,108.8	57.28%	2,262.1	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	496.5	9.15%		
Power	631.9	11.64%		
People	1,190.5	21.93%		
Plenum	0.0	0.00%		
Total	5,427.7	100%	2,262.1	100%

Space Summary - 29 SUITE-1

Inputs	
Area (SF)	688
Volume (CF)	5,503.30
Wall Area (SF)	0
Roof Area (SF)	716
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	757
Power Load (W)	963
Number of People	7
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	155.0
Infiltration Airflow (CFM)	0
Space Type	Dormitory Bedroom
Calculated Results	
Peak Cooling Load (Btu/h)	20,669.1
Peak Cooling Sensible Load (Btu/h)	19,728.0
Peak Cooling Latent Load (Btu/h)	941.1
Peak Cooling Airflow (CFM)	897
Peak Heating Load (Btu/h)	9,712.9
Peak Heating Airflow (CFM)	338

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	13,348.4	64.58%	9,712.9	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	2,187.5	10.58%		
Power	2,784.1	13.47%		
People	2,349.2	11.37%		
Plenum	0.0	0.00%		
Total	20,669.1	100%	9,712.9	100%

Space Summary - 28 SUITE-2

Inputs	
Area (SF)	690
Volume (CF)	5,516.85
Wall Area (SF)	207
Roof Area (SF)	719
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	759
Power Load (W)	965
Number of People	7
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	155.0
Infiltration Airflow (CFM)	0
Space Type	Dormitory Bedroom
Calculated Results	
Peak Cooling Load (Btu/h)	22,078.1
Peak Cooling Sensible Load (Btu/h)	21,134.7
Peak Cooling Latent Load (Btu/h)	943.4
Peak Cooling Airflow (CFM)	959
Peak Heating Load (Btu/h)	11,541.2
Peak Heating Airflow (CFM)	401

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	1,335.8	6.05%	1,788.2	15.49%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	13,403.6	60.71%	9,753.1	84.51%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	2,192.9	9.93%		
Power	2,790.9	12.64%		
People	2,355.0	10.67%		
Plenum	0.0	0.00%		
Total	22,078.1	100%	11,541.2	100%

Space Summary - 35 BATHROOM-2

Inputs	
Area (SF)	163
Volume (CF)	1,303.23
Wall Area (SF)	0
Roof Area (SF)	175
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	179
Power Load (W)	228
Number of People	6
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	6,524.1
Peak Cooling Sensible Load (Btu/h)	5,560.8
Peak Cooling Latent Load (Btu/h)	963.3
Peak Cooling Airflow (CFM)	283
Peak Heating Load (Btu/h)	2,376.8
Peak Heating Airflow (CFM)	83

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	3,266.4	50.07%	2,376.8	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	518.0	7.94%		
Power	659.3	10.11%		
People	2,080.4	31.89%		
Plenum	0.0	0.00%		
Total	6,524.1	100%	2,376.8	100%

Space Summary - 36 WALK IN CLOSET

Inputs	
Area (SF)	151
Volume (CF)	1,204.11
Wall Area (SF)	132
Roof Area (SF)	162
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	166
Power Load (W)	211
Number of People	3
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Dressing/Locker/Fitting Room - Gymnasium
Calculated Results	
Peak Cooling Load (Btu/h)	6,103.5
Peak Cooling Sensible Load (Btu/h)	5,572.2
Peak Cooling Latent Load (Btu/h)	531.4
Peak Cooling Airflow (CFM)	265
Peak Heating Load (Btu/h)	3,335.7
Peak Heating Airflow (CFM)	116

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	852.6	13.97%	1,141.3	34.22%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	3,015.7	49.41%	2,194.3	65.78%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	478.6	7.84%		
Power	609.1	9.98%		
People	1,147.5	18.80%		
Plenum	0.0	0.00%		
Total	6,103.5	100%	3,335.7	100%

Space Summary - 38 BATHROOM

Inputs	
Area (SF)	161
Volume (CF)	1,288.36
Wall Area (SF)	82
Roof Area (SF)	172
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	177
Power Load (W)	225
Number of People	6
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	6,958.7
Peak Cooling Sensible Load (Btu/h)	6,006.4
Peak Cooling Latent Load (Btu/h)	952.3
Peak Cooling Airflow (CFM)	302
Peak Heating Load (Btu/h)	3,041.4
Peak Heating Airflow (CFM)	106

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	525.9	7.56%	704.0	23.15%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	3,212.3	46.16%	2,337.4	76.85%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	512.1	7.36%		
Power	651.8	9.37%		
People	2,056.6	29.56%		
Plenum	0.0	0.00%		
Total	6,958.7	100%	3,041.4	100%

Space Summary - 37 SUITE-3

Inputs	
Area (SF)	452
Volume (CF)	3,619.42
Wall Area (SF)	392
Roof Area (SF)	475
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	498
Power Load (W)	633
Number of People	5
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	155.0
Infiltration Airflow (CFM)	0
Space Type	Dormitory Bedroom
Calculated Results	
Peak Cooling Load (Btu/h)	15,914.0
Peak Cooling Sensible Load (Btu/h)	15,295.1
Peak Cooling Latent Load (Btu/h)	618.9
Peak Cooling Airflow (CFM)	691
Peak Heating Load (Btu/h)	9,822.2
Peak Heating Airflow (CFM)	341

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	2,243.4	14.10%	3,378.3	34.39%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	8,855.9	55.65%	6,444.0	65.61%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	1,438.7	9.04%		
Power	1,831.0	11.51%		
People	1,545.0	9.71%		
Plenum	0.0	0.00%		
Total	15,914.0	100%	9,822.2	100%

Space Summary - 39 WALK IN CLOSET

Inputs	
Area (SF)	108
Volume (CF)	863.92
Wall Area (SF)	0
Roof Area (SF)	117
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	119
Power Load (W)	151
Number of People	2
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Dressing/Locker/Fitting Room - Gymnasium
Calculated Results	
Peak Cooling Load (Btu/h)	3,789.0
Peak Cooling Sensible Load (Btu/h)	3,407.9
Peak Cooling Latent Load (Btu/h)	381.1
Peak Cooling Airflow (CFM)	165
Peak Heating Load (Btu/h)	1,590.5
Peak Heating Airflow (CFM)	55

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	2,185.7	57.69%	1,590.5	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	343.3	9.06%		
Power	436.9	11.53%		
People	823.0	21.72%		
Plenum	0.0	0.00%		
Total	3,789.0	100%	1,590.5	100%

Space Summary - 40 ELEVATOR

Inputs	
Area (SF)	66
Volume (CF)	527.10
Wall Area (SF)	75
Roof Area (SF)	73
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	72
Power Load (W)	92
Number of People	3
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	3,101.6
Peak Cooling Sensible Load (Btu/h)	2,712.0
Peak Cooling Latent Load (Btu/h)	389.6
Peak Cooling Airflow (CFM)	135
Peak Heating Load (Btu/h)	1,639.9
Peak Heating Airflow (CFM)	57

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	414.5	13.36%	643.4	39.23%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	1,369.5	44.16%	996.5	60.77%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	209.5	6.76%		
Power	266.7	8.60%		
People	841.4	27.13%		
Plenum	0.0	0.00%		
Total	3,101.6	100%	1,639.9	100%

Space Summary - 44 LANDRY ROOM

Inputs	
Area (SF)	115
Volume (CF)	918.15
Wall Area (SF)	0
Roof Area (SF)	125
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	126
Power Load (W)	161
Number of People	2
Sensible Heat Gain / Person (Btu/h)	275.0
Latent Heat Gain / Person (Btu/h)	475.0
Infiltration Airflow (CFM)	0
Space Type	Laundry - Washing - Hospital/Healthcare
Calculated Results	
Peak Cooling Load (Btu/h)	3,901.6
Peak Cooling Sensible Load (Btu/h)	3,420.5
Peak Cooling Latent Load (Btu/h)	481.1
Peak Cooling Airflow (CFM)	169
Peak Heating Load (Btu/h)	1,697.3
Peak Heating Airflow (CFM)	59

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	0.0	0.00%	0.0	0.00%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	2,332.6	59.79%	1,697.3	100.00%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	365.0	9.35%		
Power	464.5	11.90%		
People	739.6	18.96%		
Plenum	0.0	0.00%		
Total	3,901.6	100%	1,697.3	100%

Space Summary - 45 LINEN

Inputs	
Area (SF)	68
Volume (CF)	544.98
Wall Area (SF)	55
Roof Area (SF)	76
Door Area (SF)	0
Partition Area (SF)	0
Window Area (SF)	0
Skylight Area (SF)	0
Lighting Load (W)	75
Power Load (W)	95
Number of People	3
Sensible Heat Gain / Person (Btu/h)	250.0
Latent Heat Gain / Person (Btu/h)	200.0
Infiltration Airflow (CFM)	0
Space Type	Town Hall (inherited from building type)
Calculated Results	
Peak Cooling Load (Btu/h)	3,077.0
Peak Cooling Sensible Load (Btu/h)	2,674.2
Peak Cooling Latent Load (Btu/h)	402.8
Peak Cooling Airflow (CFM)	134
Peak Heating Load (Btu/h)	1,501.3
Peak Heating Airflow (CFM)	52

Components	Cooling		Heating	
	Loads (Btu/h)	Percentage of Total	Loads (Btu/h)	Percentage of Total
Wall	307.4	9.99%	477.2	31.79%
Window	0.0	0.00%	0.0	0.00%
Door	0.0	0.00%	0.0	0.00%
Roof	1,407.3	45.74%	1,024.0	68.21%
Skylight	0.0	0.00%	0.0	0.00%
Partition	0.0	0.00%	0.0	0.00%
Infiltration	0.0	0.00%	0.0	0.00%
Lighting	216.6	7.04%		
Power	275.7	8.96%		
People	870.0	28.27%		
Plenum	0.0	0.00%		
Total	3,077.0	100%	1,501.3	100%