

Building Summary Loads

Building peaks in August at 5pm.

Bldg Load Descriptions	Area Quan	Sen Loss	%Tot Loss	Lat Gain	Sen Gain	Net Gain	%Net Gain
Roof	2,046	2,426	8.30	0	1,586	1,586	2.91
Wall	2,360	4,397	15.05	0	2,035	2,035	3.73
Glass	912	16,012	54.80	0	32,644	32,644	59.83
Floor Slab	0	0	0.00	0	0	0	0.00
Skin Loads		22,835	78.15	0	36,265	36,265	66.47
Lighting	2,416	0	0.00	0	8,244	8,244	15.11
Equipment	2,416	0	0.00	0	8,244	8,244	15.11
People	3	0	0.00	0	0	0	0.00
Partition	2,996	2,222	7.60	0	41	41	0.07
Cool. Pret.	0	0	0.00	0	0	0	0.00
Heat. Pret.	0	0	0.00	0	0	0	0.00
Cool. Vent.	0	0	0.00	0	0	0	0.00
Heat. Vent.	0	0	0.00	0	0	0	0.00
Cool. Infil.	72	0	0.00	0	1,129	1,129	2.07
Heat. Infil.	72	4,164	14.25	0	0	0	0.00
Draw-Thru Fan	0	0	0.00	0	635	635	1.16
Blow-Thru Fan	0	0	0.00	0	0	0	0.00
Reserve Cap.	0	0	0.00	0	0	0	0.00
Reheat Cap.	0	0	0.00	0	0	0	0.00
Supply Duct	0	0	0.00	0	0	0	0.00
Return Duct	0	0	0.00	0	0	0	0.00
Misc. Supply	0	0	0.00	0	0	0	0.00
Misc. Return	0	0	0.00	0	0	0	0.00
Building Totals		29,220	100.00	0	54,557	54,557	100.00

Building Summary	Sen Loss	%Tot Loss	Lat Gain	Sen Gain	Net Gain	%Net Gain
Ventilation	0	0.00	0	0	0	0.00
Infiltration	4,164	14.25	0	1,129	1,129	2.07
Pretreated Air	0	0.00	0	0	0	0.00
Zone Loads	25,056	85.75	0	52,793	52,793	96.77
Plenum Loads	0	0.00	0	0	0	0.00
Fan & Duct Loads	0	0.00	0	635	635	1.16
Building Totals	29,220	100.00	0	54,557	54,557	100.00

Check Figures

Total Building Supply Air (based on a 19° TD):	3,241 CFM
Total Building Vent. Air (0.00% of Supply):	0 CFM
Total Conditioned Air Space:	4,832 Sq.ft
Supply Air Per Unit Area:	0.6707 CFM/Sq.ft
Area Per Cooling Capacity:	1,062.8070 Sq.ft/Ton
Cooling Capacity Per Area:	0.0009 Tons/Sq.ft
Total Heating Required With Outside Air:	29,220 Btuh
Total Cooling Required With Outside Air:	4.55 Tons

