

Monthly Simulation Results for Rest - Floor 1 Zone 1

Project Name: Project 113
Prepared by: Engineer's Team

11/09/2024
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Air System Simulation Results (Table 1) :

Month	Central Cooling Coil Load (kBTU)	Central Cooling Eqpt Load (kBTU)	Central Unit Clg Input (kWh)	Central Heating Coil Load (kBTU)	Central Heating Coil Input (kWh)	Supply Fan (kWh)	Vent. Reclaim Device (kWh)
January	0	0	0	4728	1386	794	120
February	0	0	0	4161	1220	714	108
March	58	58	4	2734	801	791	103
April	0	0	0	722	212	763	81
May	1237	1237	88	158	46	794	23
June	1711	1711	120	37	11	765	6
July	620	620	43	0	0	790	0
August	2337	2337	165	0	0	794	0
September	3	3	0	15	5	761	15
October	0	0	0	1310	384	794	93
November	0	0	0	1903	558	767	116
December	0	0	0	5232	1533	787	119
Total	5966	5966	420	21002	6155	9314	784

Air System Simulation Results (Table 2) :

Month	Lighting (kWh)	Electric Equipment (kWh)
January	2122	1182
February	1912	1073
March	2119	1192
April	2044	1150
May	2122	1182
June	2049	1155
July	2114	1186
August	2122	1182
September	2040	1159
October	2122	1182
November	2052	1146
December	2110	1195
Total	24928	13983

Unmet Load Report for Rest - Floor 1 Zone 1

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Note: Data shown in this report is for diagnostic purposes only. Values represent total unmet hours for each cooling and/or heating unit. No deductions are made when unmet hours for one unit coincide with those in another unit.

1. Unmet Load Statistics - Central Cooling Unit - Air-Cooled DX

Month	Equipment Capacity is Sufficient (hrs)	Capacity Insufficient by 0%-5% (hrs)	Capacity Insufficient by 5%-10% (hrs)	Capacity Insufficient by >10% (hrs)	Total Hours with Unmet Loads	Total Hours with Equipment Loads
January	0	0	0	0	0	0
February	0	0	0	0	0	0
March	8	0	0	0	0	8
April	0	0	0	0	0	0
May	62	0	0	0	0	62
June	123	0	0	0	0	123
July	61	0	0	0	0	61
August	156	0	0	0	0	156
September	1	0	0	0	0	1
October	0	0	0	0	0	0
November	0	0	0	0	0	0
December	0	0	0	0	0	0
Total	411	0	0	0	0	411

Zone Temperature Report for Rest - Floor 1 Zone 1

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1. Zone Temperature Statistics

	Occ	Occ	Occ	Occ	Occ	Occ	Occ	Occ	Occ	Unocc	Unocc	Unocc	Unocc
	Max Zone Temp (°F)	Hours More Than 5.0 °F Above Throt. Range	Hours 1.0 to 5.0 °F Above Throt. Range	Cooling Setpoint plus Throt. Range (°F)	Hours Within Throt. Range or Dead- band	Heating Setpoint minus Throt. Range (°F)	Hours 1.0 to 5.0 °F Below Throt. Range	Hours More Than 5.0 °F Below Throt. Range	Min Zone Temp (°F)	Max Zone Temp (°F)	Cooling Setpoint plus Throt. Range (°F)	Heating Setpoint minus Throt. Range (°F)	Min Zone Temp (°F)
Zone Name													
Zone 1	76.1	0	0	76.5	7040	68.5	0	0	69.6	80.1	81.5	63.5	66.5

Note: For any occupied hours in which cooling is unavailable or scheduled off, zone temperature out of range statistics are not reported.

Note: For any occupied hours in which heating is unavailable or scheduled off, zone temperature out of range statistics are not reported.

Engineer's Team