

In accordance with ACCA Manual J  
Using the earth makes cents

**Report Prepared By:****Palace Geothermal****For:**

Jacobsen / Scandia

Summit County, Utah

**Design Conditions:** Lewiston**Indoor:**

Summer temperature: 75

Winter temperature: 70

Relative humidity: 50

**Outdoor:**

Summer temperature: 87

Winter temperature: -16

Summer grains of moisture: 40

Daily temperature range: Medium

Building Component	Sensible Gain (BTUH)	Latent Gain (BTUH)	Total Heat Gain (BTUH)	Total Heat Loss (BTUH)
Windows	22,105	0	22,105	48,048
Walls	5,428	0	5,428	29,918
Floors	0	0	0	25,779
Infiltration	1,210	0	1,210	13,008
Fireplaces	0	0	0	8,672
Ceilings	2,152	0	2,152	5,142
Doors	572	0	572	3,153
Skylights	0	0	0	0
Glassdoors	0	0	0	0
Misc	0	0	0	0
People	0	0	0	0
Duct	0	0	0	0
<b>Whole House</b>	<b>31,467</b>	<b>0</b>	<b>31,467</b> <b>( 2.5 tons )</b>	<b>133,720</b>