

Earth Storage Floor Heating System Commercial Case Study

SmartRooms™
Thermal Comfort System
By Therma-Ray



Specifications

Heating System = Earth Thermal Storage	Year Built - 2003
Location - Elk River, MN	Power Supplier - Connexus Energy
Construction - Slab on Grade, 2 x 6 Walls with 12' Ceilings.	Electric Program - Off-Peak Storage
R-Values - Walls = R19, Ceiling = R38	Electric Rate - \$.029 per Kwh
Square Footage - 7,600 Sq.Ft.	Degree Days = 7,803

Business Owners looking for superior comfort, low energy costs and high quality with a great track record will love the SmartRooms complete line of radiant heating products.

Actual Kwh Usage & Operating Costs

2004 / 2005 Heating Season - 41,653 Kwh - \$1207.93
2005 / 2006 Heating Season - 36,480 Kwh - \$1,057.92

Testimonial

The retail business shown is a small engine repair, sales, service and rental shop open 12 hours a day and 7 days a week. Walk in traffic and the shop doors opening and closing throughout the day do not affect the comfort of a **SmartRooms** heated building.

Business owner Tim Cornelius says - "Everyone that comes into our building is amazed at how warm and comfortable our building really is. Customers look around completely perplexed, trying to figure out how the building is heated. Even the shop area recovers quickly after the doors have been opened. Personally, my favorite part is the operating cost and that there is no maintenance necessary. We have many buildings in the area comparable to ours and I love to ask them about their heating bills and then watch the look on their face when I tell them what I'm paying. I am usually 1/3 - 1/2 of what they are paying. I recommend it quite often and would never build again without **Smart Rooms** in my business or own home"