

SmartRooms

Thermal Comfort System
By Therma-Ray



The difference between heat and comfort



SmartPartners
Qualified Installers

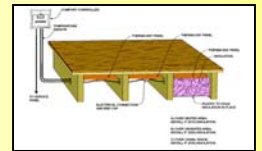
INVISIBLE HEATING FOR LOG HOMES

COMFORT & ECONOMY



Radiant Ceiling

Under-Floor Heating



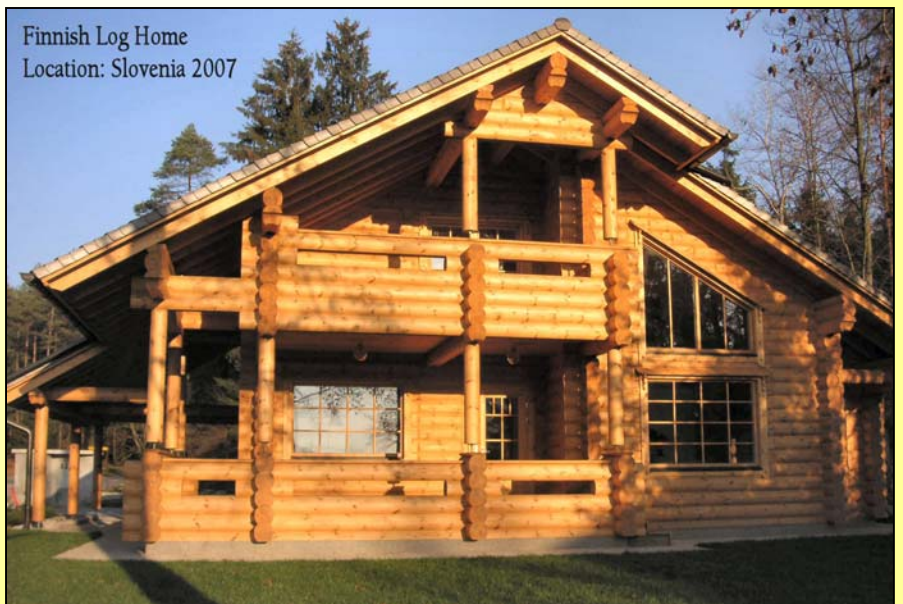
Under-Tile Heating

Architectural
Series Panels



Earth Storage

Suspended Ceiling
Heating



Finnish Log Home
Location: Slovenia 2007

670 WILSEY ROAD, FREDERICTON, NEW BRUNSWICK, CANADA E3B 7K4
1-866-457-4600 - www.thermaray.com



“The best heating there is!”

Electrician, Victoriaville

“Produces equal, comfortable heat.”

Engineer, Trois-Rivieres

“Even though the room has large windows, the room temperature is always consistent. What a great sensation, when walking on our heated tile floors!”

Home owner, Québec

“We have radiant heat for over 20 years and we absolutely want the same for our new home.”

Homeowner, Montreal

**Uniform comfort
Warm floors No cold drafts**

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**Entirely hidden
No design restrictions
for decoration & furniture.**

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**Superior air quality
No supercharged hot air ducts
Less respiratory irritations**

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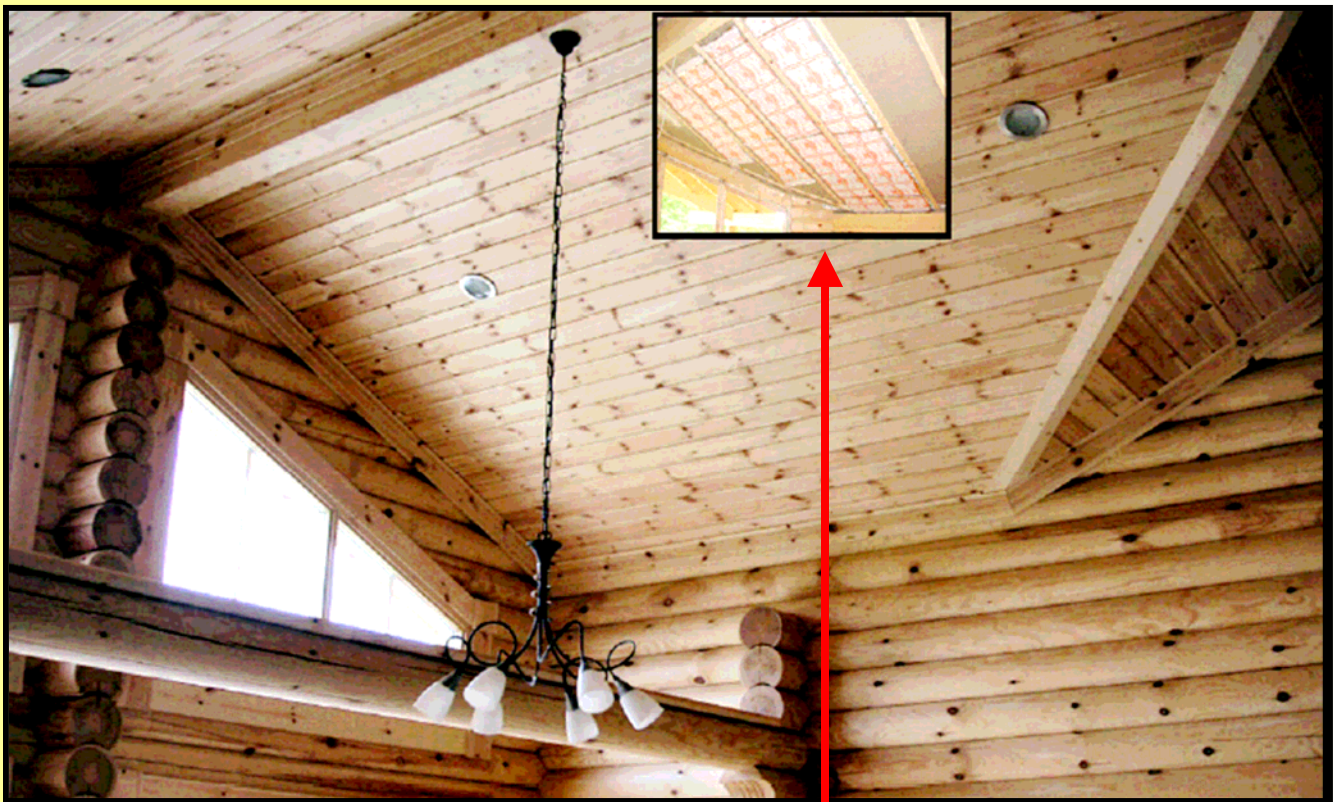
**No Maintenance
Nothing to clean
No contribution to dust.**

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Simple and inexpensive

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Savings on energy consumption



HEATING PANELS ARE COMPLETELY HIDDEN BEHIND THE CEILING FINISH



SmartRooms
Thermal Comfort System
By Therma-Ray

**CUSTOM DESIGNED
FOR YOUR
SPECIFIC NEEDS.**



- **THERMA-RAY will provide a complete room-by-room, heat loss analysis.**
- **THERMA-RAY will then calculate the material requirement based on decorative requirements such as lighting, fans etc.**
- **THERMA-RAY will also provide material costs as well as energy consumption estimation for the first winter based on current electrical rates.**

**Room-by-Room
Heat Loss Analysis**

**Total Energy
Requirements**

Total Floor Area

**Total Operating
Cost**

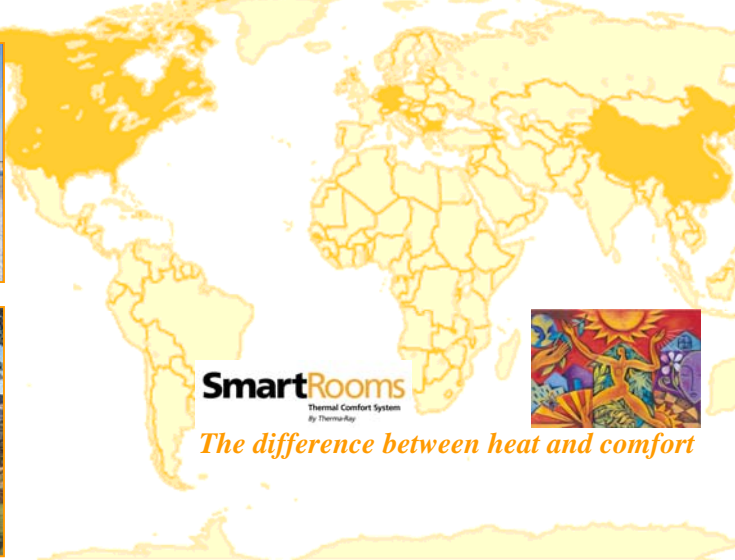
Project: Paradise Residence-St John's NFLD-July 16,2007 Date: 16-JUL-07

Temperature: 36 Soil: 13 Floor: 13 Air Change: 0.75

Room Name	Wattloss	Length	Width	Glass Area	Door Area	Insulation					Perim
						Wall	Ceiling	Floor	F	E	
Bsmt Rear	2,415	14.7	34.8	6.0	21.0	20.0	0.0	0.0	N	N	49.5
Bsmt Right	1,462	18.7	14.3	0.0	0.0	20.0	0.0	0.0	N	N	47.3
Bsmt Front	3,019	17.3	34.8	0.0	0.0	20.0	0.0	0.0	N	N	86.9
Family	1,743	14.7	14.0	89.7	0.0	20.0	0.0	0.0	N	N	0.0
Nook	885	16.0	9.5	38.5	0.0	20.0	0.0	0.0	N	N	0.0
Kitchen	1,014	14.7	16.3	12.0	0.0	20.0	0.0	0.0	N	Y	0.0
Laundry	602	11.0	8.9	7.5	0.0	20.0	40.0	0.0	N	N	0.0
Hall/Pantry	624	7.9	8.9	0.0	43.6	20.0	40.0	0.0	N	N	0.0
Shop	1,469	18.2	10.8	24.0	20.1	20.0	40.0	0.0	N	N	29.0
Garage	4,092	24.3	25.0	33.0	126.0	20.0	40.0	0.0	N	N	60.8
Dining/Closets	1,133	17.3	11.9	27.5	0.0	20.0	0.0	0.0	N	N	0.0
Entry/Stairs	936	19.3	10.3	14.0	23.5	20.0	0.0	0.0	N	N	0.0
Office	1,089	12.0	12.3	44.0	0.0	20.0	0.0	0.0	N	N	0.0
Wash	167	5.3	5.9	0.0	0.0	20.0	0.0	0.0	N	Y	0.0
Office Closet	171	5.3	6.2	0.0	0.0	20.0	0.0	0.0	N	N	0.0
Ensuite	1,315	13.0	14.0	36.0	0.0	20.0	40.0	0.0	N	Y	0.0
Bath	507	9.7	8.3	7.5	0.0	20.0	40.0	0.0	N	Y	0.0
Bed #3	1,026	13.0	12.7	22.5	0.0	20.0	40.0	0.0	N	N	0.0
WIC 2 & 3	240	4.7	12.7	0.0	0.0	20.0	40.0	0.0	N	N	0.0
Bed #2	1,094	14.3	12.7	22.5	0.0	20.0	40.0	0.0	N	N	0.0
Hall	1,122	24.3	8.3	35.0	0.0	20.0	40.0	0.0	N	N	0.0
Master	1,635	19.0	13.3	49.5	0.0	20.0	40.0	0.0	N	N	0.0
Master WIC	161	6.5	7.8	0.0	0.0	20.0	40.0	0.0	N	N	0.0

Total Wattloss: 27,923 Total Area: 4,753 Watt Density: 5.87

Cost to Operate: \$2,609.00 based on 0.074 per kWh.



Founded in 1985, Therma-Ray is the manufacturer of SmartRooms Thermal comfort Systems.

We are located on the east coast of Canada in Fredericton New Brunswick, within close proximities to seaports, international airports and major highways.

We deal directly with architects, builders and contractors to move products to a consumer level. The builders and contractors receive SmartRooms materials from the many distributors we have set up worldwide.

Local electricians install SmartRooms Thermal Comfort System products, allowing consumers to begin their reign of comfort.

Whatever your heating challenge, a SmartRooms Thermal Comfort System can provide you with the perfect solution. We support this claim with a unique system, combining radiant heat and the newest technology in comfort control.



To realize the difference between heat and comfort please contact us.



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