



Hydronic & Radiant Heating Supplies
www.Blueridgecompany.com

Design
BlueRidgeCompany.com

Email:design@blueridgecompany.com

Heating System Summary

Project #:007 - George Zule

June 4, 2010

Project Information

Project #: 007 - George Zule

Notes:

Name: George Zule

Location:

Project Summary

Floorplans / Levels:

Main Floor

1,908 ft²

Total Tubing Lengths:

Barrier PEX 1/2"

2069 ft

Total Area:

1,908 ft²

Total RH Circuits:

8

Total Manifolds:

3

Total Zones:

3

Zone Heating Summary

Zone #	Area	Construction	Heating Types	RH Circuits	Total Tubing	Manifolds
101	582	Concrete Thin Slab	RH	2	593	1
102	893	Concrete Thin Slab	RH	4	960	1
103	433	Concrete Thin Slab	RH	2	516	1
Total	1,908	Concrete Thin Slab	RH	8	2069	3

Room Heating Summary (By Construction Type)

Concrete Thin Slab

Zone #	Room Name	Heating Type	Area	Heated Area	Manifold #	Tube Size	RH Circuits	Tube Spacing	Total Tubing	Floor Cover RV
101	WIC	RH	95	0			0	0	0	0.5
101	Master Bedroom	RH	284	0	Manifold 1	1/2"	1	9	301	0.5
101	Master Bath	RH	145	0	Manifold 1	1/2"	1	9	300	0.5
101	Stor	RH	13	0			0	0	0	0.5
101	WC	RH	34	0	Manifold 1	1/2"	1	9	300	0.5
102	Mudroom	RH	73	0			0	0	0	0.5

Length = ft Area = ft² Temperature = °F Heat Loss = Btu/hr Unit Heat Loss = Btu/hr-ft² Rv = hr-ft²°F/btu
 RH = Radiant Floor Heating BB = Baseboard FA = Forced Air O = Other Heating SM = Snowmelt N = Not Heated

Created using LoopCAD 2010 2.1.190

See end of report for important Notes and Disclaimers.

102	Closet	RH	10	0	Manifold 2	1/2"	1	9	241	0.5
102	Pantry	RH	59	53			0	9	0	0.5
102	Hall	RH	55	0			0	0	0	0.5
103	Bedroom 2	RH	180	0	Manifold 3	1/2"	1	8	267	0.5
103	Den	RH	146	0	Manifold 3	1/2"	1	8	255	0.5
102	Kitchen/Dining/Living	RH	696	0	Manifold 2	1/2"	4	9	961	0.5
103	Bath	RH	46	0	Manifold 3	1/2"	1	8	255	0.5
101	Closet	RH	11	0	Manifold 2	1/2"	1	9	241	0.5
103	Closet	RH	5	0			0	0	0	0.5
103	Hall	RH	29	0			0	0	0	0.5
103	Closet	RH	27	0	Manifold 3	1/2"	1	8	267	0.5

RH Manifold Summary

Manifold Name	# Zones	# Circuits	Manifold Type	Control Type	# Actuators
Manifold 1	1	2	Stainless Steel	Manifold	0
Manifold 2	1	4	Stainless Steel	Manifold	0
Manifold 3	1	2	Stainless Steel	Manifold	0
Total	3	8	-	-	0

Disclaimers

With the permission of ASHRAE, portions of the 2005 ASHRAE Handbook – Fundamentals are reproduced in this software, including the Climatic Design Conditions data. The program and data are provided "as is" without warranty of any kind either expressed or implied. The entire risk as the quality and performance of the program and data is with you. In no event will ASHRAE be liable to you for any damages, including without limitation any lost profits, lost savings, or other incidental or consequential damages arising out of the use or inability to use this program or the data. © 2005 ASHRAE, American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

The calculated values shown in this report are based on the data input by the user of the software. Inaccurate or erroneous data input will result in inaccurate or erroneous results. You are strongly advised to review all input data carefully, and to have the calculated results reviewed by an experienced heating professional to ensure reasonableness and suitability for your application.

IN NO EVENT WILL AVENIR SOFTWARE INC. ("AVENIR") OR ITS AFFILIATES BE LIABLE UNDER ANY CONTRACT, NEGLIGENCE, STRICT LIABILITY OR OTHER LEGAL OR EQUITABLE THEORY FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT OR SPECIAL OR PUNITIVE DAMAGES WHATSOEVER (INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION OR DATA AND THE LIKE), EVEN IF SUCH PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. AVENIR'S CUMULATIVE LIABILITY FROM ANY CAUSE RELATED TO OR ARISING FROM THE USE THIS REPORT, AND REGARDLESS OF THE FORM OF THE ACTION, SHALL BE LIMITED TO NO GREATER THAN THE AMOUNT OF FEES PAID TO AVENIR UNDER THE SOFTWARE LICENSE AGREEMENT.