



PROJECT NAME: Christopher Reed 73397

## HEATING CALCULATION

HEATED AREA		SQUARE FOOTAGE	ENERGY FACTOR	TEMPERATURE DIFFERENCE (degrees F°)	ESTIMATED HEAT REQUIRED (BTUs/Hour)	HEAT PRODUCED BY THE FLOOR (BTUs/Hour)
Zone 1	Home	1400	0.3	75	31500	56000

Notes:

### SOME IMPORTANT NOTES ABOUT FREE DESIGN ASSISTANCE

1. A complete design for an underfloor radiant heating system would include a complete review of the plans, a study of State and Local Building codes, a detailed heat loss calculation, coordination with the builder, several site visits, coordination with the supplier of the heating unit, a written contract, and a fee of several thousand dollars.
2. This free service is not to be confused with a complete design. *It is intended to be useful to the customer for making preliminary decisions.* This information is given in good faith, but Radiantec Company makes no warranty or assumes no liability for its accuracy.
3. It is not possible for Radiantec Company to be aware of the ramifications of all State and Local building codes. *Code compliance is the customer's responsibility.* Radiantec Company will assist the customer in obtaining waivers or exceptions when new technology conflicts with applicable codes. Radiantec Company will not apply restocking fees if exchanges are needed to meet applicable codes.



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# UNDERFLOOR MATERIAL CALCULATION WORKSHEET

UNDERFLOOR MATERIAL CALCULATION WORKSHEET		FLOOR CONSTRUCTION					TUBING SELECTION			OPERATING PARAMETERS			COMPONENTS		PUMP			
		SQUARE FOOTAGE	SLAB ON GRADE	SUSPENDED SLAB	JOISTED FLOOR	PERCENT CARPETED	TUBING TYPE	TUBE SPACING	TOTAL TUBING REQ.	SUGGESTED CIRCUITS	ORDER QUANTITY	FLUID TEMP. (suggested)	MAX. FLUID TEMP. (degree F°)	FLOW RATE (gal/minute)	ALUMINUM PLATES	SLAB MANIFOLD ADAPTORS	COUPLINGS	PUMP SELECTION
Zone 1	Home	1400	X			1/2 PEX O2	12	1500	5-300	5-300	120	140	3.75		5 Wall		Medium	

## Notes:

Chris, please call 800-451-7593 with any questions. Please check your local building codes with this system. We recommend installing 2 inches of extruded polystyrene underneath your slab. Thanks, Ian Prevost