



# Design Request

## Radiant Heating/Cooling, SIM

### 1. Customer information

Company name:

Contact name:

Contact email

Contact phone:

### 2. Project information

Design proposal due date:

Project install date:

Project name:

Project location (city, state/province):

### 3. Type of project

Radiant heating AND cooling

Radiant heating ONLY

Snow/ice melting

### 4. Deliverables requested

Heat load calculation based on ASHRAE

Radiant heating/cooling design

Pipe layout ONLY (no calcs.)

Heat load calculation based on CSA B-280

Snow/ice melting design

Bill of materials ONLY (no calcs.)

Supply/return piping design

NON-graphical heating/cooling design (estimate)

NON-graphical snow/ice melting design (estimate)

### Notes:

-Deliverables outlined in red require pipe size and spacing to be specified on the plans or by the customer.

-REHAU does not support load calculations for commercial projects. Heat loss calculations are available for residential projects only. If the project is commercial and radiant heating and/or cooling calculations are needed, include the project building loads with this request form.

### 5. System information

Installation: Embedded slab

Overpour

Panel (specify):

Other:

Fluid type: 100% water

% prop. glycol

Other:

Inside design temperature:

Cooling season:

Heating season:

Secondary source planned for residual heating/cooling requirements?

Yes No

### 6. Floor construction information

Type1:

Floor covering (type or R-value):

Total slab thickness:

Screed thickness:

Insulation (thickness or R-value):

Type2:

Floor covering (type or R-value):

Total slab thickness:

Screed thickness:

Insulation (thickness or R-value):

**Engineering progress**  
**Enhancing lives**

**7. Zoning/controls**

Include controls in design  
Specify type of zoning:  
*List zoning details:*

Include floor sensors in design  
Pump relay control  
Actuator control

**8. Building construction information** (not required if SIM design requested or if heat loss calculations are not needed).

Floor level	R-value floor	R-value walls	R-value ceiling	Air change rate	Window U-value	Door U-value
Basement						
First floor						
Second floor						

**9. Required attachments**

*The following attachments are required for radiant designs. Check corresponding box of attachments included.*

Floor plans: clearly indicate area of planned radiant system (CAD/DWG files preferred; PDF, JPG or TIFF files accepted).

Cooling load / heat loss calculations: provided by engineer or third party.

All drawings must specify exact radiant area, acceptable manifold locations, elevations, building sections and engineer specifications.

**10. Additional information**

Include other project specifications, e.g., manifold locations, zoning, supply temperature range, delta T or other information:

**11. Contact information**

Email your design information to the REHAU sales region nearest you. For more information visit: [www.na.rehau.com/design](http://www.na.rehau.com/design)

US Sales Region	Email	Canadian Sales Region	Email
Midwest	designs.mpls@rehau.com	Western	designs.van@rehau.com
Mid-Atlantic/Northeast	designs.lee@rehau.com	Eastern	designs.tor@rehau.com
South	designs.lee@rehau.com		
West	designs.la@rehau.com		

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Customer signature:

Date:

REHAU Contact:

Sales region:

