



RADIANT FLOOR HEATING SYSTEMS

DESIGN REQUEST FORM



Canadian Radiant Heating Design Request Form

Design Services Terms and Conditions

Thank you for choosing Uponor for your radiant design. To ensure we provide you with an accurate design, please refer to the following.

- Complete this form in its entirety. Incomplete forms will impede a project from moving into the design queue.
- It is the requestor’s responsibility to notify Uponor Design Services of any changes in construction or field conditions.

Note: Any design changes requiring a revision to the design may alter the completion date.
- Uponor is not held liable for the design or material list if changes are made to the project after completion of calculations or if the information provided is not accurate.
- All revisions are posted to the Uponor Job Board and assigned a new completion date after all information is received.
- Advanced payment required for all design fees prior to starting the design process. Credit card payment preferred. Uponor Authorized Stocking Distributors may submit purchase orders.
- For additional questions, contact design.ca@uponor.com or 888.994.7726, ext. 7622.

Requirements to Complete a Design

1. Completed Design Request Form e-mailed to design.ca@uponor.com.
2. Design fee credit card payment in advance.

3. AutoCAD architectural/mechanical drawings required for all designs. Zip files or files exceeding 10MB must be submitted through <https://dropbox.hightail.com/CA-Design>.

Desired completion date _____

Date plans submitted to Uponor _____

Plans sent via: E-mail Mail Dropbox

Note: Estimated design time is 10 business days after Uponor receives all plans, payment and this completed form.

Design Services Fee Structure

Design Type	Fee
Residential (initial design)	\$150
Commercial (initial design)	No charge
Each Revision from Initial Design	\$150
Expedited Request	\$150
Redraw into AutoCad Format (Residential)	\$250
Redraw into AutoCad Format (Commercial)	Call
Additional Plots (per page)	\$15

Design requests include three (3) sets of designs per initial request and for each revision.

Contact Information

Project Name _____

Address _____

City _____ PV _____ PC _____

Project Timing

Desired design completion date _____

Expected material purchase order date _____

Install date _____

Information Provided/Submitted by:

Company Name _____

Company Contact _____

Phone _____

E-mail _____

Billing Information:

Company Name _____

City _____

Contact Name _____

Phone _____

PO Number (Wholesale only) _____

Name on Credit Card _____

Credit Card _____ Exp. _____

Billing Amount _____

Uponor Sales Representative

Company Name _____

Contact Name _____

Radiant System Design Information

Type of Design Service

Please check applicable items and provide the following information.

- Uponor design (heat loss, material list and CAD layout)
- CAD layout only (design information provided by others)
- Heat loss and material list only
- Snow-melt design
- Permafrost prevention
- Turf conditioning

Provide the following information for all services listed above.

- Architectural and/or mechanical AutoCAD file with elevations
- Door/window schedule
- Floor coverings
- Zoning and manifold locations
- Manhole, stair and trench drain locations
- Other obstruction information

Completed Design Package

Uponor will return all designs in PDF format unless paper copies are requested.

- E-mail PDF to _____
- Print and ship _____ (number of copies of the design plan)
Note: More than three copies may result in additional fees.
Courier and account number _____
- Estimated design time is 10 business days after Uponor receives all plans and this completed form.

Uponor Design Services requires the following information prior to scheduling any work.

Project Type

- Commercial Residential LEED® Project

Heat-loss Calculation Information

Note: Commercial projects require engineered heat loads.

Do heat loads include downward loss? Yes No

- | | |
|---|---------------------------------------|
| _____ Outdoor design temperature (°F) | _____ Indoor design temperature (°F) |
| _____ Glycol percentage | _____ Maximum supply temperature (°F) |
| _____ Supply and return temperature difference (ΔT) | |
| _____ Ceiling height (Ft) | _____ Ceiling R-value |
| _____ Wall height (Ft) | _____ Wall R-value |
| _____ Door R-value | _____ Window R-value |
| _____ Skylight R-value | _____ Air changes |

Basement/On-grade Construction (if applicable)

- Below grade On grade
- Embedded Fast Trak™ 0.5 w/over pour
- Fast Trak 1.3i w/over pour Quik Trak®
- Other install method _____

_____ Under floor insulation R-value _____ Perimeter insulation R-value

_____ Edge insulation R-value _____ Slab thickness

Water table present? Yes No

Suspended Construction (if applicable)

Main Floor

- Heated below Concrete over pour
- Lightweight over pour Fast Trak 0.5 w/over pour
- Fast Trak 1.3i w/over pour Quik Trak
- Joist Trak™ Suspended tubing
(joist direction required) (joist direction required)

Other install method _____

Under floor insulation R-value _____

Second Floor

- Heated below Concrete over pour
- Lightweight over pour Fast Trak 0.5 w/over pour
- Fast Trak 1.3i w/over pour Quik Trak
- Joist Trak Suspended tubing
(joist direction required) (joist direction required)

Other install method _____

Under floor insulation R-value _____

Third Floor

- Heated below Concrete over pour
- Lightweight over pour Fast Trak 0.5 w/over pour
- Fast Trak 1.3i w/over pour Quik Trak
- Joist Trak Suspended tubing
(joist direction required) (joist direction required)

Other install method _____

Under floor insulation R-value _____

Radiant System Design Information

Parking/Garage

Radiant heating _____

Not heated _____

Other heat source _____

_____ Indoor design temperature (°F)

_____ Under-floor insulation R-value

Supplemental Heating (if applicable)

Please indicate supplemental method.

Radiant ceiling panel Radiant wall panel

Other _____

Tubing

Tubing Type

Wirsbo hePEX™

Uponor AquaPEX

Multi-layer Composite (MLC)

Tubing Size (nominal ASTM size)

5/16" 1/2" 5/8" 3/4" 1"

Tube Spacing

Snow and Ice Melting/Turf Conditioning Design

Please indicate if others are providing engineered loads.

_____ Outdoor design temperature (°F) – Max. -10°F

_____ Wind speed (mph) – Max. 10 mph

_____ Surface temperature (°F)

_____ Heat output (BTU per hour)

Under-slab insulation

Permafrost Prevention Design

_____ Freezer design temperature (°F)

_____ Under-freezer insulation R-value

Manifolds/Accessories

Engineered Polymer (EP) Heating Manifold

TruFLOW™ Classic TruFLOW Jr.

Supply/Return Ball Valves

Supply/Return Ball Valves with Temperature Gauge

Supply/Return Ball Valves with Filter and Temperature Gauge

TruFLOW Flow Meters 2" Copper

Other _____

Controls

Thermostat

Uponor Heat-only Thermostat Uponor Heat and Cool Thermostat

Setpoint 501 Setpoint 501s

Setpoint 511s Setpoint 512

Setpoint 150 Other

Climate Cōntrol™ Zoning System T54 (slab sensing)

Climate Cōntrol Zoning System T75

Zone Control Method

Thermal Actuator MVA

Zone Valve Circulator

Supply and Return Tubing Type

Wirsbo hePEX™ Ecoflex® Pre-insulated Pipe

Multi-layer Composite (MLC) HDPE

Other _____

Other Considerations

Include Manifold Cabinets

Include Radiant Ready 30E™

Include Radiant Rollout™ Mat (separate form)

