



RESIDENTIAL  
FIRE SAFETY SYSTEMS

DESIGN REQUEST FORM

# Residential Fire Safety System Design Request Form

## Design Services Terms and Conditions

Thank you for choosing Uponor for your design service needs. Please refer to the following guidelines to ensure we have all the necessary information to provide you with an accurate design.

- Complete this form in its entirety. Missing information will delay design completion.
- Once Uponor receives all the information for a project, the Design Services department will provide an estimated completion date for the design (upon request).
- It is your responsibility to notify Uponor Design Services of any changes in construction or field conditions.

**Note:** Any 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 bills of material are quoted at list price.
- Material lists are not quoted in package quantities.

## Requirements to Complete a Design

1. Completed Design Request Form e-mailed to [design.services@uponor.com](mailto:design.services@uponor.com) or faxed to 952.997.1731.
2. Architectural/mechanical blueprints, electrical layouts, floor plans, structural and cross sections (electronic files required, AutoCAD preferred; FTP site available for files exceeding 10MB and Zip files)

## Design Services Fee Structure

### Design requests include:

- Two (2) sets of designs per initial request and for each revision
- Standard shipping (second-day air)

Fire Safety Design Fees	Fire Safety Design Packages
Fire Safety designs receive one (1) free revision. <ul style="list-style-type: none"> <li>• \$500 for ≤ 5,000 ft<sup>2</sup></li> <li>• \$500 + 0.25 ft<sup>2</sup> for anything &gt; 5,000 ft<sup>2</sup></li> </ul>	Packages must be purchased in advance. Packages expire one (1) year from purchase date. <ul style="list-style-type: none"> <li>• Platinum: 20 designs for \$8,000</li> <li>• Gold: 15 designs for \$6,375</li> <li>• Silver: 10 designs for \$4,500</li> <li>• Bronze: 5 designs for \$2,375</li> </ul>

## Additional Rates (Including Packages)

- Revisions from initial design: \$200 per revision
- Additional copies of design: \$10 per page
- Expedited design time: \$200
  - Estimated design time is 10 business days from receipt of all plans, completed design request form and design fees.
  - Design Services will review and honor expedited requests if design capacity permits.
- Overnight delivery is available at applicable postal rate.

Uponor requires payment before the design process begins. Preferred payment method is by credit card.

For questions regarding design fees, e-mail [design.services@uponor.com](mailto:design.services@uponor.com) or call 888.594.7726, ext. 5067.

Desired completion date \_\_\_\_\_ Date plans submitted to Uponor \_\_\_\_\_

Plans sent via:  E-mail  Mail  Fax  FTP

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

I acknowledge that I have read and understand the terms and conditions set forth on page one of this document. Additionally, I acknowledge this structure must be NFPA 13D compliant and each AquaSAFE™ installation must be completed with a successful flow test.

Printed Name \_\_\_\_\_ Date \_\_\_\_\_

Signature \_\_\_\_\_

## Contact Information

### Project Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_ ZIP \_\_\_\_\_

### Project Timing

Expected material purchase order date \_\_\_\_\_

Install date \_\_\_\_\_

### Plan Ship to:

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_ ZIP \_\_\_\_\_

**Note:** UPS will not ship to a P.O. box.

### Plan Bill to:

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_ ZIP \_\_\_\_\_

### Information Provided/Submitted by:

Name \_\_\_\_\_ Date \_\_\_\_\_

Phone \_\_\_\_\_

E-mail \_\_\_\_\_

### Completed Design Plan and Quote Format

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

- PDF (E-mail to \_\_\_\_\_)
- Print and ship \_\_\_\_\_ (number of copies of the design plan)

**Note:** More than two copies may result in additional fees.

### Uponor Sales Representative

Company Name \_\_\_\_\_

Contact Name \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Cell \_\_\_\_\_

E-mail \_\_\_\_\_

### Wholesaler/Distributor

Company Name \_\_\_\_\_

Contact Name \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Cell Phone \_\_\_\_\_

E-mail \_\_\_\_\_

### Contractor Information

Company Name \_\_\_\_\_

Company Contact \_\_\_\_\_

Alliance member I.D. \_\_\_\_\_

**Note:** Plans sent in without an Alliance number will be shipped directly to the Uponor representative.

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_ ZIP \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail \_\_\_\_\_

### Engineer/Architect Information

Company Name \_\_\_\_\_

Company Contact \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Cell Phone \_\_\_\_\_

E-mail \_\_\_\_\_

### Authority Having Jurisdiction (AHJ)

Name \_\_\_\_\_

Title \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail \_\_\_\_\_

**Note:** AHJ may require submission of additional plans.

# Hydraulic Information

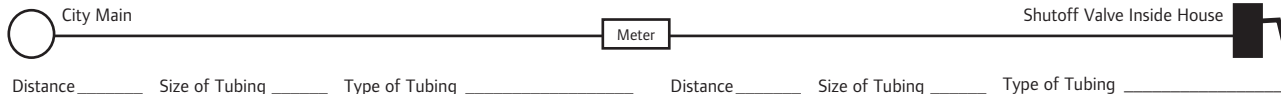
**Note:** Uponor Design Services requires the following information to process a design.

## Type of Water Supply

City supply     Pressure tank     Well\*     Other (please specify) \_\_\_\_\_

\*If a private well is the supply, skip the following section and move to the Main Shutoff Valve location section. When using a private well, Uponor systems are designed back to the main manifold at the house. Uponor recommends pump selection after design calculations are complete.

## Underground Supply Information



### Notes:

- To ensure accurate information, it may be necessary to visit the jobsite to confirm elevations, distances and water service details.
- If the underground piping is not yet installed, contact Uponor Design Services at [design.services@uponor.com](mailto:design.services@uponor.com) or 888.594.7726 for the preferred underground sizing.
- Please list any additional fittings or devices in the underground. For undergrounds not resembling the detail above, please create a drawing below starting with the tap to the city water main. Please create an accurate sketch of the underground supply pipe, including all pipe sizes, schedules, distances and all fittings and devices such as elbows, meters, valves, or anything unique to the underground.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Water Source Information

What is the source of the test data?

Fire Department     Water Authority     Contractor

What date was the flow test taken? \_\_\_\_\_

What time of day was the flow test taken? \_\_\_\_\_

What was the static pressure?  psi

What was the residual pressure? \_\_\_\_\_ psi

What was the flow? \_\_\_\_\_ gpm

What is the vertical distance between the location of the pressure reading and the main shutoff valve in the home? (Indicate whether the valve is higher or lower.)

## Where is the main shutoff valve located in the house?

## Pressure-restrictive Devices

What is the size of the water meter?

3/4"     1"     Other (Please specify) \_\_\_\_\_

**Note:** A 5/8" water meter may not accommodate the required flow. Contact Uponor Design Services at 888.594.7726 or [design.services@uponor.com](mailto:design.services@uponor.com) for assistance.

Is there a pressure-reducing valve (PRV)?  Yes     No  
If yes, indicate size \_\_\_\_\_ qty. \_\_\_\_\_ model \_\_\_\_\_  
(Please indicate the location of the PRV on the underground detail.)

Is there a water softener?  Yes     No

Is there a filtration system?  Yes     No

If yes, please describe \_\_\_\_\_

Are there any other devices that may impede the flow of water throughout the system (e.g., irrigation system)?

\_\_\_\_\_  
\_\_\_\_\_

# System Design

Is this system required by code?  Yes  No

System preference?  Looped  Network

If requesting Network, is there a preferred manifold location? If so, please list. \_\_\_\_\_

Sprinkler type preference?

(See **Figure 1** below for sprinkler examples.)

Recessed  Concealed  Horizontal Sidewall

Various (Please describe) \_\_\_\_\_

Sprinkler color preference?

White  Custom paint

**Note:** Custom-painted sprinklers and concealed cover plates require one month for manufacturing and delivery. In addition, a setup charge and additional cost per unit are incurred. Contact Uponor Design Services for an estimate.

Does the home have vaulted, sloped or cathedral ceilings?

Yes  No If so, where? \_\_\_\_\_

If so, what is the pitch? (e.g., 4:12, 8:12) \_\_\_\_\_

**Please provide building cross-sections showing the ceilings in question.** Depending on which sprinkler is selected, pitched ceilings greater than 4:12 may require a 1" meter. This rule applies to all fire sprinkler systems and is not exclusive to Uponor systems.

**Note:** Only install Uponor AquaPEX® tubing in a conditioned space that will maintain at least 40°F. Be sure to adequately insulate tubing in areas subject to temperatures below 40°F.

What type of floor framing is planned?

Traditional dimension lumber

Engineered joists/beams

Open-web trusses

Metal/steel

Please send plans that include reflected ceiling plan, elevations and building sections.

Is there any fuel-fired equipment?  Yes  No

If so, where? \_\_\_\_\_

Are there any local requirements that supersede the NFPA 13D standard such as sprinklered garages, small closets, small bathrooms, or additional hydraulic requirements?  Yes  No

**Note:** Garage must be heated with a finished ceiling for sprinkler installations.

**Are there any unfinished areas of the home?** (Please list.)

**Note:** All nonmetallic tubing in unfinished areas must be protected by a minimum 3/8" gypsum wallboard, 1/2" plywood or other material having a 15-minute fire rating.

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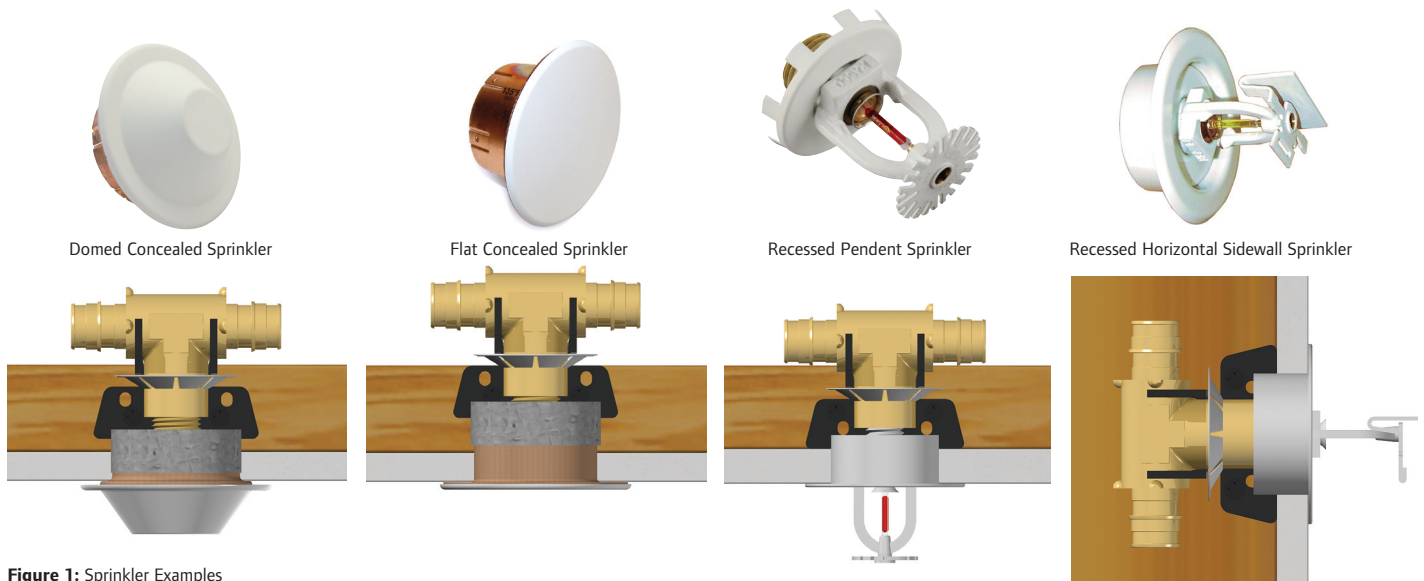


Figure 1: Sprinkler Examples