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

Square Footage — Fire Safety Design	Fees
Up to 1,500	$600
1,501 to 3,500	$775
3,501 to 5,000	$850
5,001 to 10,000	$900
10,000+	$1,500

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 15 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 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 15 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 Uponor 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

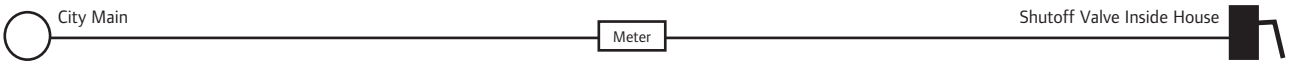
Note: Uponor Design Services requires the following information to process a design.

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



Distance _____ Size of Tubing _____ Type of Tubing _____ Distance _____ Size of Tubing _____ Type of Tubing _____

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 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?

❑ ¾" ❑ 1" ❑ Other (Please specify) _____

Note: A ⅝" water meter may not accommodate the required flow. Contact Uponor Design Services at 888.594.7726 or 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 ⅜" gypsum wallboard, ½" plywood or other material having a 15-minute fire rating.

_____

_____

_____

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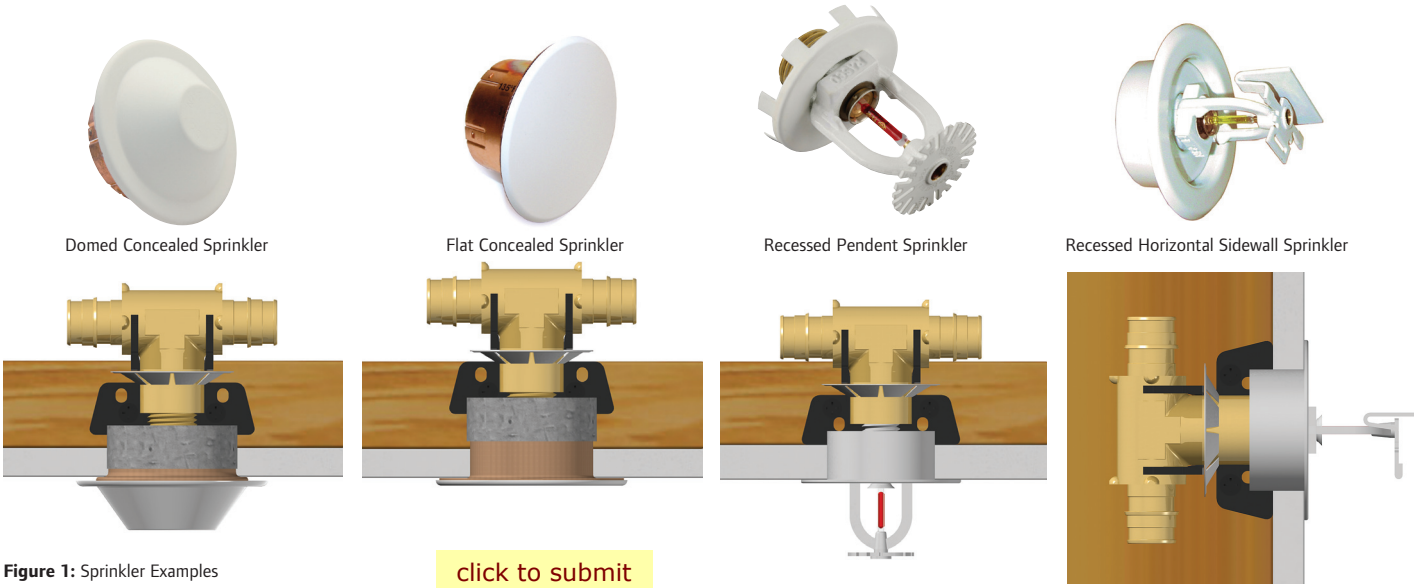

Figure 1: Sprinkler Examples

click to submit

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