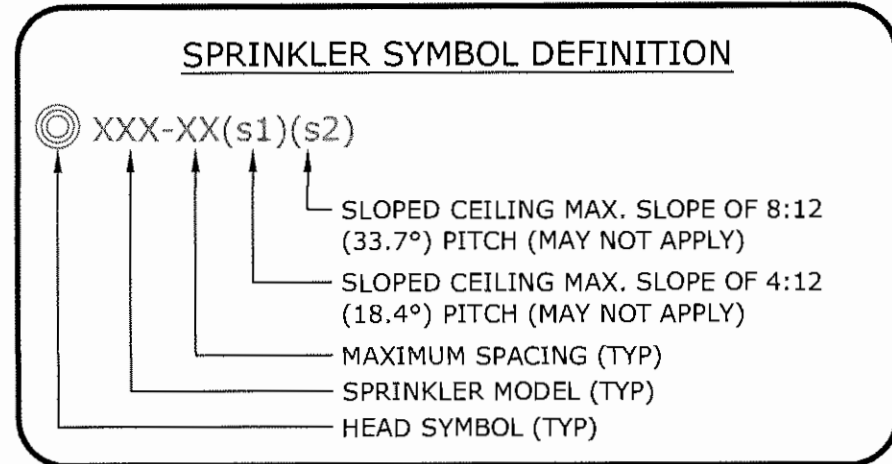


Markup Legend	
Delete Line	
Add Line	
Add Tee	
Add Elbow	
Add Coupling	
Add Head	
Delete Head	
Move Head	

Note: All revisions must be reviewed by Uponor



**COLOR/LINETYPE LEGEND**

- BLUE LINES= FEED TO FIXTURES (BATH, SHOWER, ETC.)
- GREEN LINES= SPRINKLER TO SPRINKLER CONNECTIONS BETWEEN FLOORS.
- RED LINES= DIRECT FEED SPRINKLER FROM MANIFOLD.
- BLACK LINES= SPRINKLER HEAD TO SPRINKLER HEAD.

- = 1/2" PIPE SIZE
- = 3/4" PIPE SIZE
- = 1" PIPE SIZE
- = 1-1/4" PIPE SIZE
- = 2" PIPE SIZE

**Multipurpose Fire Safety Systems**

The Uponor Residential Fire Safety System is a residential fire protections system installed in combination with the cold side of the domestic potable water system. Only licensed contractors trained by Uponor can install this system.

**What to do if Changes are Required**

If any features or obstructions require the addition or deletion of sprinkler heads, or significant relocation of sprinkler heads, contact the Uponor Design Department to determine if observed changes require a redesign (888.594.7726).

1 1/4" AQUAPEX INTERLEVEL CONNECTIONS FROM FIRST FLOOR TO SECOND FLOOR

1/2" AQUAPEX INTERLEVEL CONNECTIONS FROM FIRST FLOOR TO SECOND FLOOR

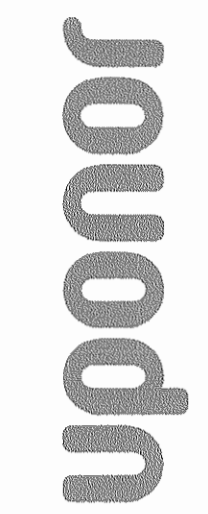
**2 SECOND FLOOR**  
F101  
1/4" = 1'-0"

1/2" AQUAPEX INTERLEVEL CONNECTIONS FROM BASEMENT TO FIRST FLOOR

1" AQUAPEX TO MANIFOLD M.31

**1 FIRST FLOOR**  
F101  
1/4" = 1'-0"

1 1/4" AQUAPEX INTERLEVEL CONNECTIONS FROM BASEMENT TO FIRST FLOOR



TECHNICAL SERVICES - DESIGN DEPARTMENT  
21900 DODD BLVD., LAKEVILLE, MN 55044  
T 888.594.7726 F 952.997.1731  
EMAIL TECHNICAL-SERVICES@UPONOR.COM  
WEB WWW.UPONOR-USA.COM

**DISCLAIMER**

THIS SERIES OF PLUMBING, HYDRONIC HEATING/COOLING, SHOW AND BATH FIXTURES, AND WATER HEATING EQUIPMENT HAVE BEEN DESIGNED BY UPONOR, INC. TECHNICAL SERVICES - DESIGN DEPARTMENT. THEY HAVE BEEN PREPARED TO MEET PROFESSIONAL STANDARDS OF DESIGN AND CONSTRUCTION. BEFORE STARTING ALL WORK, THE INSTALLER MUST VERIFY THE ACCURACY OF ALL DIMENSIONS AND CAREFUL CHECK OF PIPE SIZE, CALCULATIONS, MATERIALS, PLUMBING AND/OR FIRE CODES USED. REPORT ANY ERRORS AND/OR DESIGN CHANGES TO UPONOR, INC. TECHNICAL SERVICES - DESIGN DEPARTMENT. DESIGN CHANGES ARE NOT REPORTED BACK TO UPONOR, INC. IT IS THE SOLE RESPONSIBILITY OF THE INSTALLER TO ENSURE SYSTEM DESIGN WILL FUNCTION IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS. UPONOR, INC. ACCEPTS NO LIABILITY FOR DAMAGES AND INCORRECT INTERPRETATION OF THESE DRAWINGS.

SALES REP:

**GRABARZ RESIDENCE**  
25 HAVERTYS WAY  
PORTLAND, ME 04101

NO.	DATE	DESCRIPTION

**SHEET DESCRIPTION**  
FIRST & SECOND FLOOR

**SHEET NUMBER**

**F101**

