

### COLOR/LINE/TYPE LEGEND

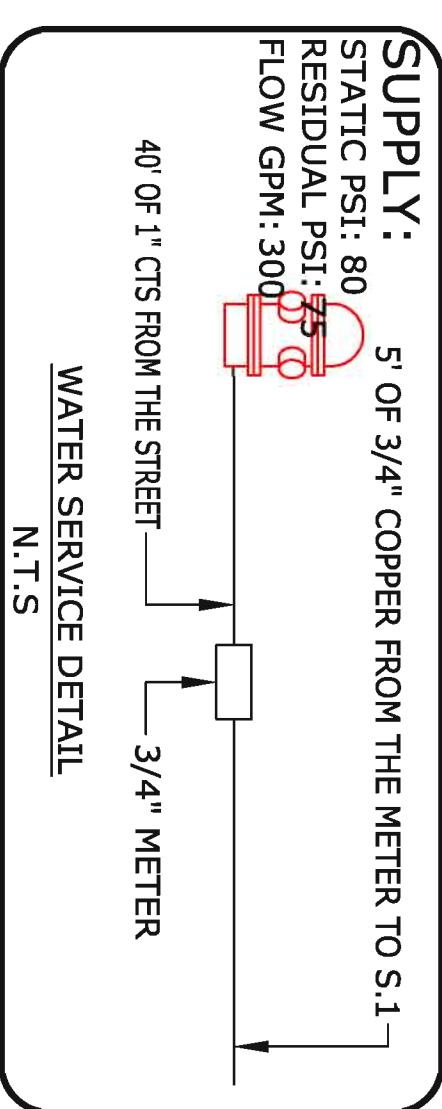
**BLUE LINES** = FEED TO FIXTURES (BATH, SHOWER, ETC.)  
**GREEN LINES** = SPRINKLER TO SPRINKLER CONNECTIONS BETWEEN FLOORS.  
**RED LINES** = DIRECT FEED SPRINKLER FROM MAINFOLD.  
**BLACK LINES** = SPRINKLER HEAD TO SPRINKLER HEAD.  
**RED LINES** = 1/2" PIPE SIZE  
**GREEN LINES** = 3/4" PIPE SIZE  
**BLUE LINES** = 1" PIPE SIZE  
**BLACK LINES** = 1-1/4" PIPE SIZE  
**THICK BLACK LINES** = 2" PIPE SIZE

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

Note: All revisions must be reviewed by Uponor

**Multipurpose Fire Safety Systems**  
 The Uponor Residential Fire Safety System is a residential fire protection 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)

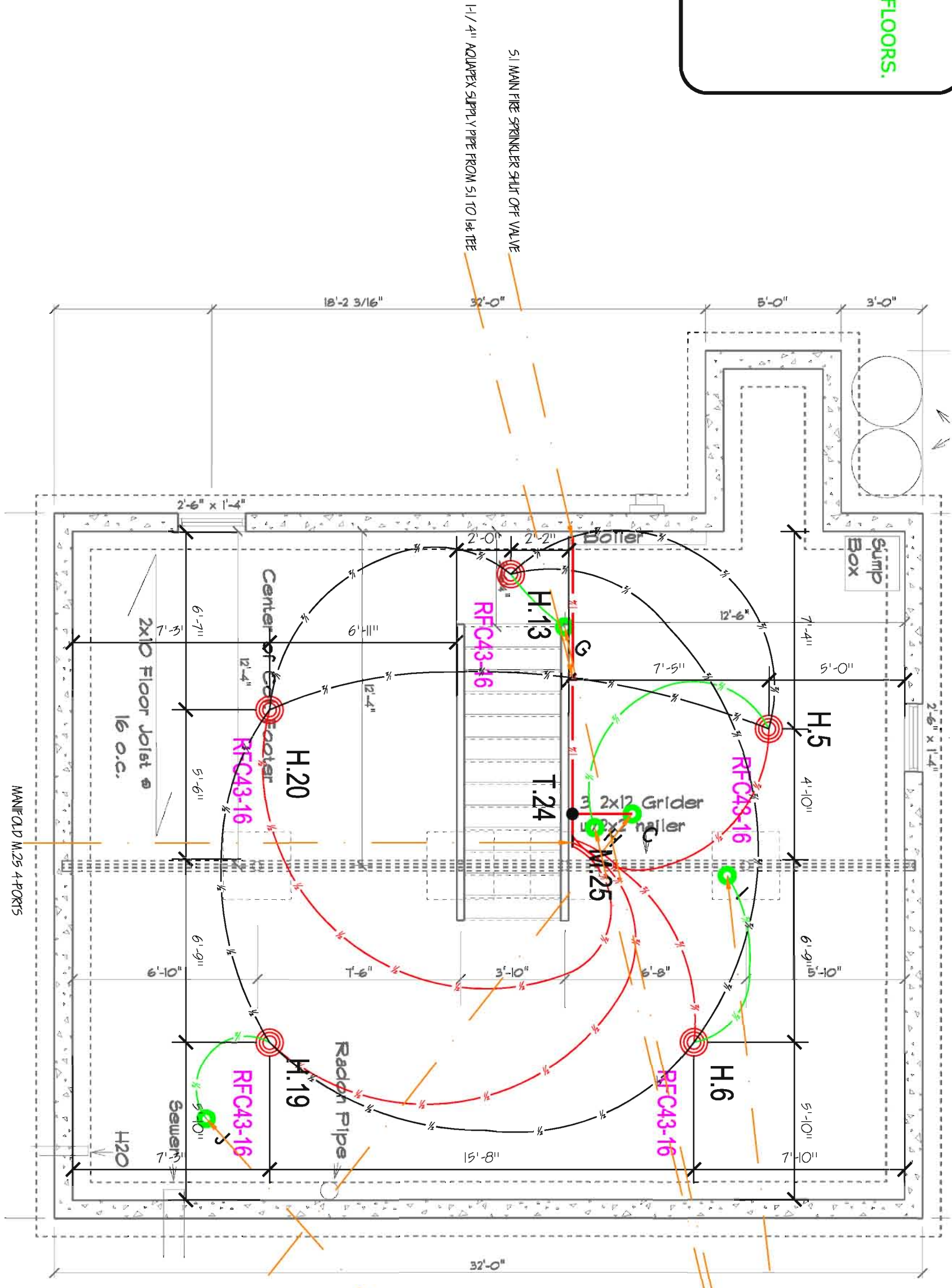


MOST HYDRAULICALLY REMOTE HEADS

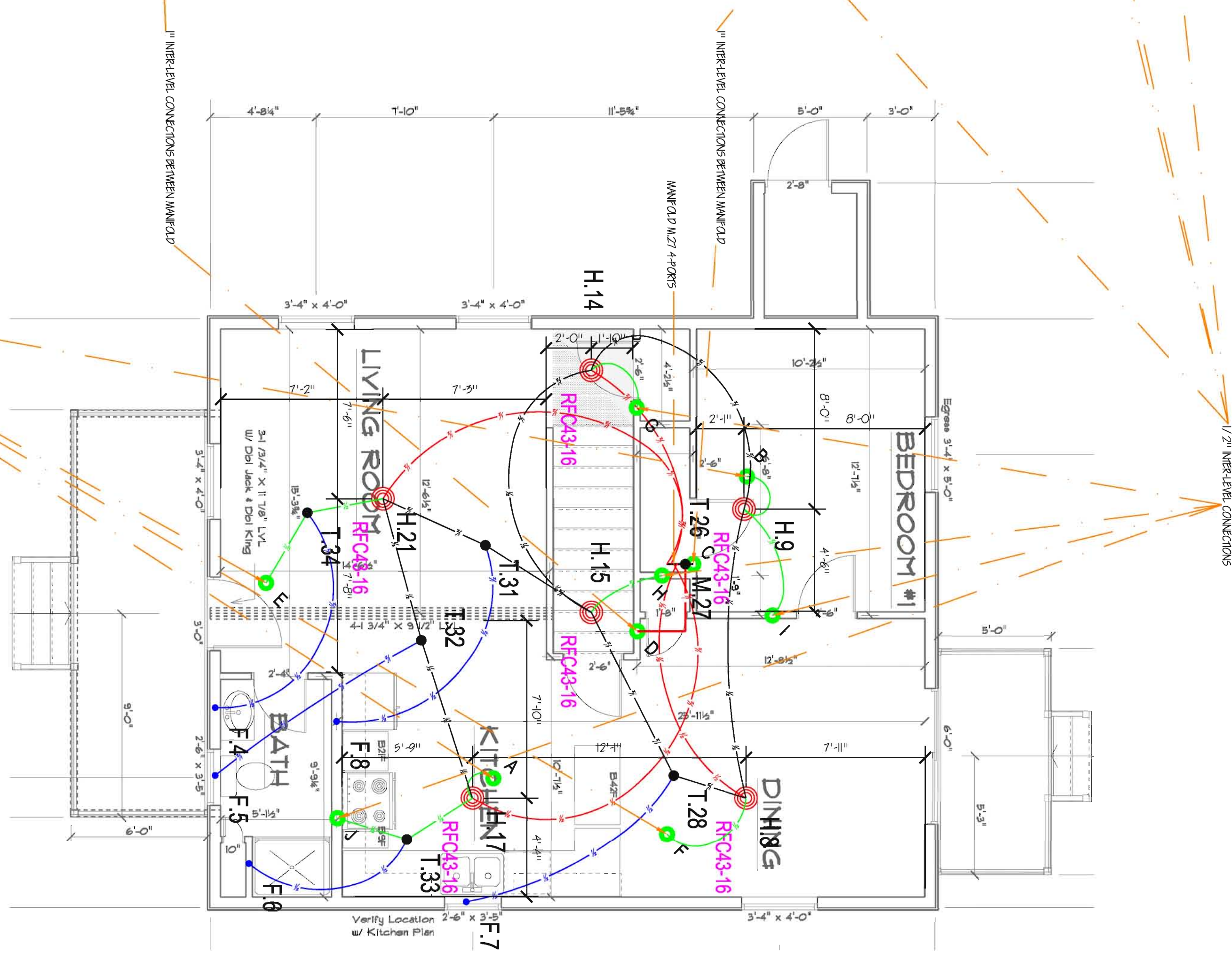
HEAD #	GPM	PRESSURE REQ'D AT STREET
1 HEAD H.16	13	53.3
2 HEAD H.18 & H.12	26.411	75.53

**Basement 5 Sprinklers**  
**1st Floor 6 Sprinklers**  
**2nd Floor 10 Sprinklers**

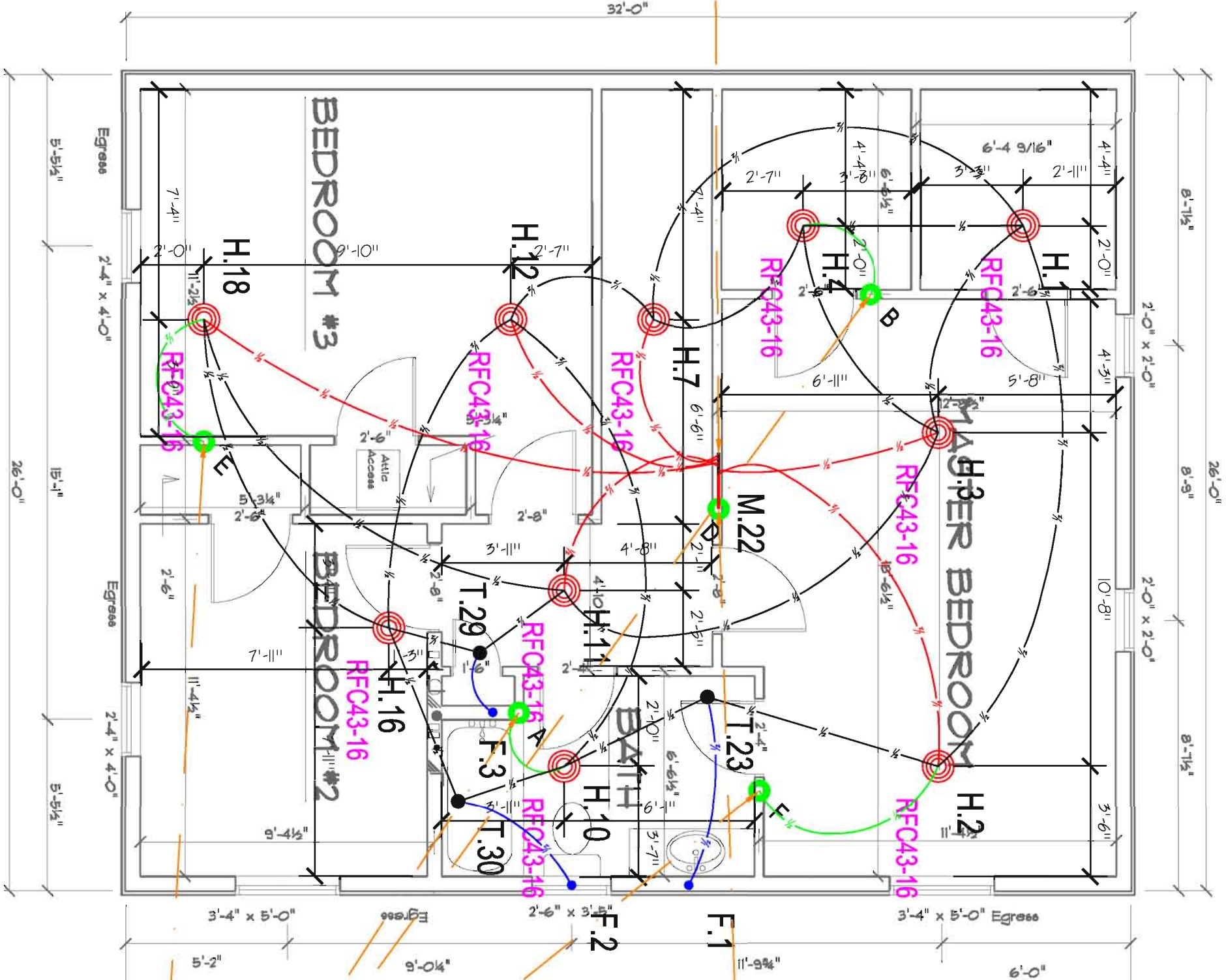
**RFCA3-16**  
 RELIABLE-ASSEMBLIES Model AFCA3AFCA3 Concealed Pendant Sprinkler  
 K=4.3, 165°F, 3/8" Orifice, Maximum Spacing 16x16  
 Sprinkler head demand: 13 gpm @ 9.14'



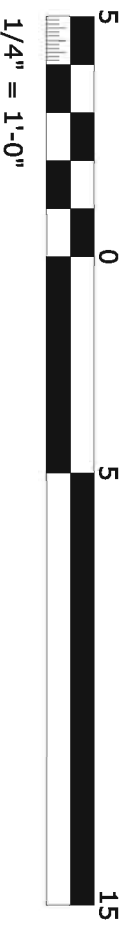
**1 BASEMENT LEVEL**  
 F100 1/4" = 1'-0"



**2 MAIN LEVEL**  
 F100 1/4" = 1'-0"



**3 UPPER LEVEL**  
 F100 1/4" = 1'-0"



<h1 style="font-size: 48pt; margin: 0;">F100</h1> <p style="font-size: 10pt; margin: 0;">SHEET NUMBER</p>	<h2 style="margin: 0;">25A SUMAC</h2> <h3 style="margin: 0;">25A SUMAC</h3> <h3 style="margin: 0;">PORTLAND, ME</h3>		<p><b>DISCLAIMER</b></p> <p>THIS SERIES OF PLUMBING, HYDRONIC HEATING/COOLING, SNOW AND ICE MELTING, AND/OR FIRE SPRINKLER TECHNICAL DRAWINGS 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 ASSOCIATED WITH THIS DESIGN, IT IS MANDATORY TO MAKE A 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 TO DETERMINE IF THE DESIGN REQUIRES REVISION. IF ERRORS AND/OR 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 EXPECTATIONS. THERE IS NO WARRANTY WRITTEN, EXPRESSED OR IMPLIED FOR DAMAGES THAT MAY RESULT FROM THE APPLICATION AND INCORRECT INTERPRETATION OF THESE DRAWINGS.</p> <p>SALES REP:</p>												
	<p><b>TECHNICAL SERVICES - DESIGN DEPARTMENT</b>                  21900 DODD BLVD., LAKEVILLE, MN 55044                  T 888.594.7726 F 952.997.1731                  EMAIL TECHNICAL.SERVICES@UPONOR.COM                  WEB WWW.UPONOR-USA.COM</p>														
<p><b>SHEET DESCRIPTION</b></p> <p>FLOOR LEVELS</p>			<p><b>REVISIONS</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 80%;">DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION									
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