

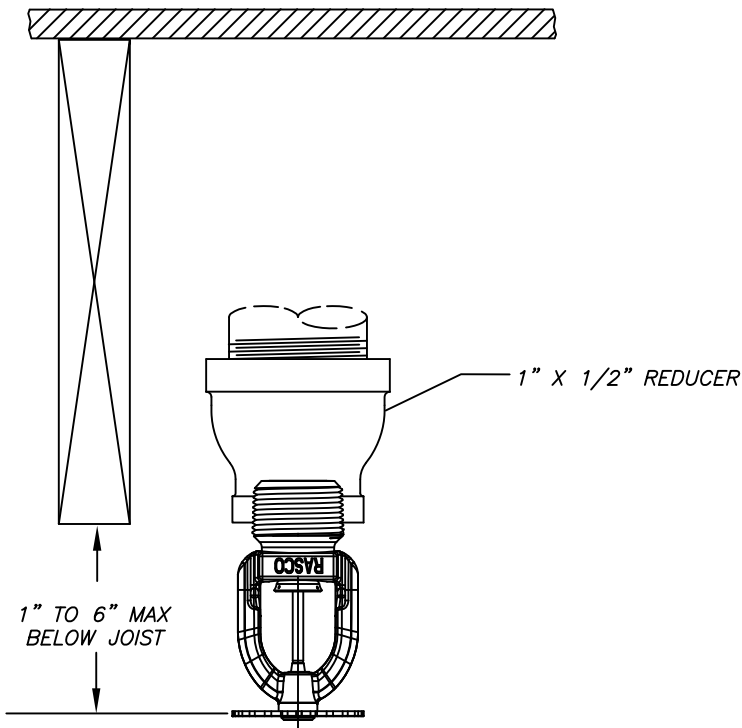
PROJECT INFORMATION:
SCOPE:
 The fire protection project consists of installing a wet sprinkler system in this building located at 98 Washington Ave.

WATER SUPPLY:
 This is a wet sprinkler system supplied by city water. A 2-1/2" fdc will be installed for use by the local fire dept.

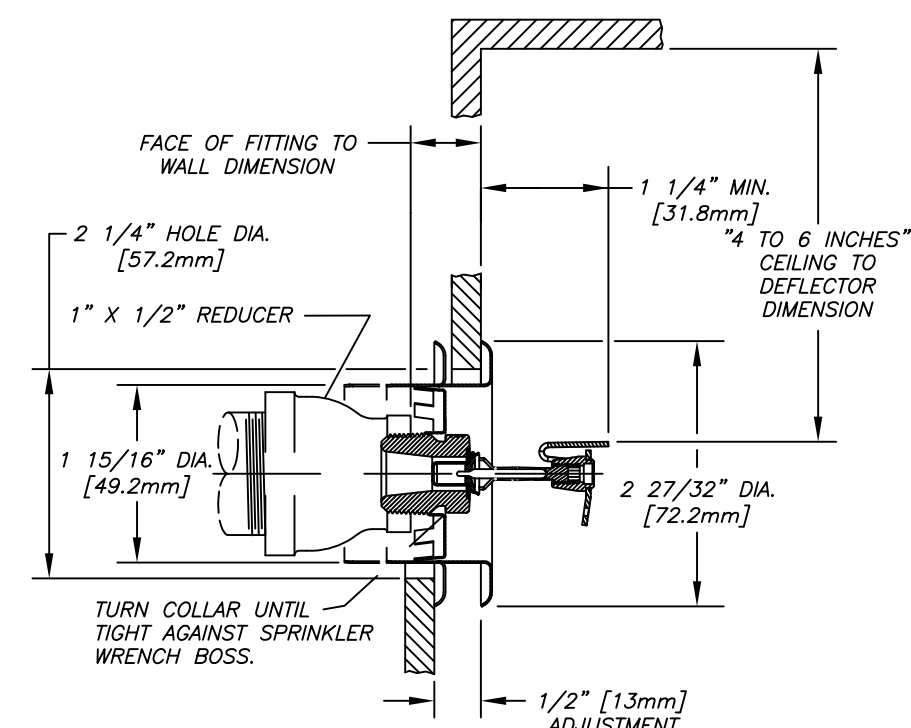
CONSTRUCTION TYPE:
 Construction type is "wood construction with gypsum wall board"

CODE REFERENCES:
 NFPA 13 Wet Sprinkler System.

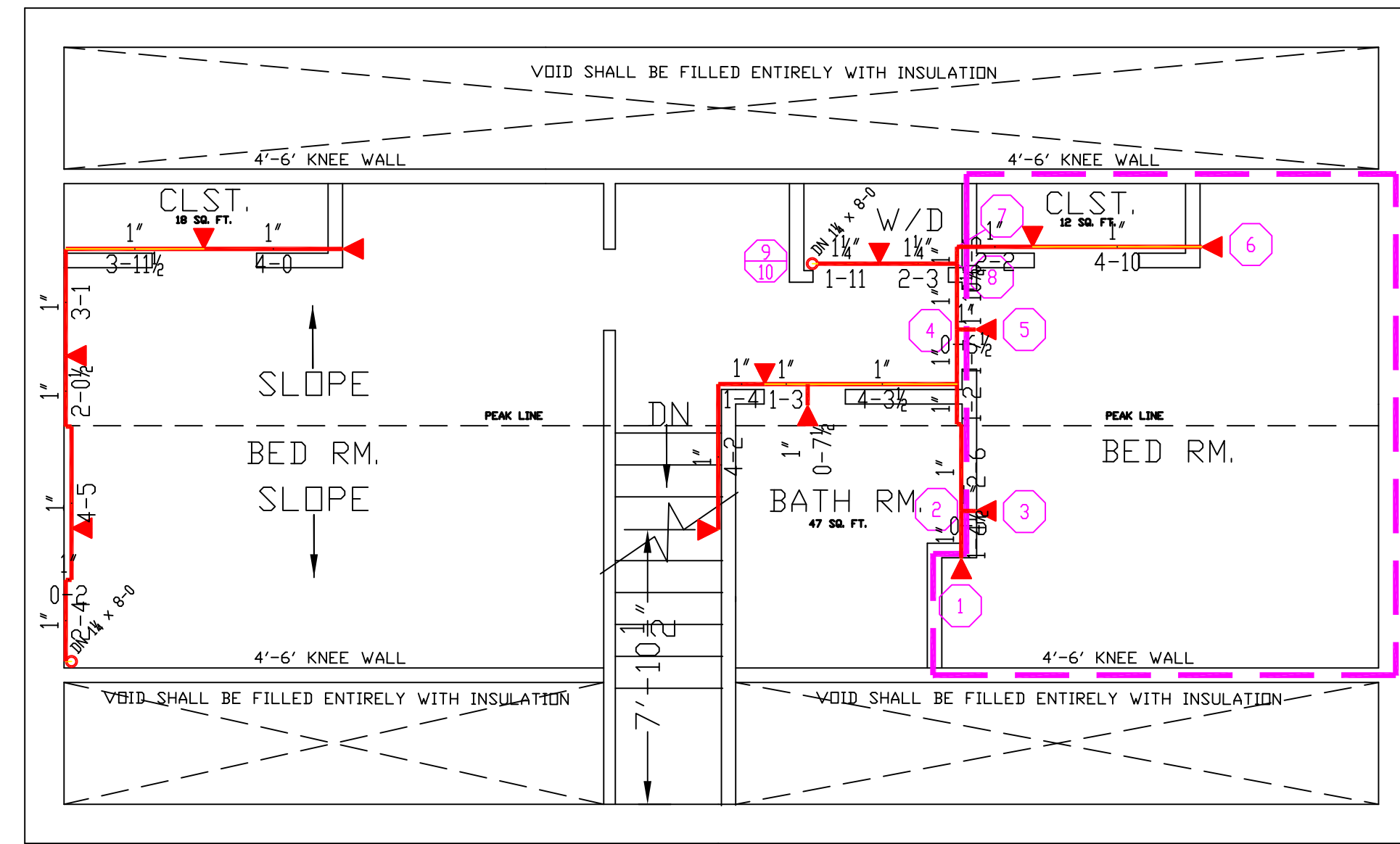
SPRINKLER SYSTEM NOTES
 * DESIGN AND INSTALLATION SHALL CONFORM TO N.F.P.A. #13 (2010) & LOCAL FIRE AND BLDG. DEPTS.
 * HANGER INSTALLATION AND SPACING SHALL BE IN ACCORDANCE WITH N.F.P.A. #13
 * FIELD FOREMAN TO VERIFY LOCATION OF HIGH TEMPERATURE SPRINKLERS
 AND INSTALL HIGH TEMPERATURE SPRINKLERS IN ACCORDANCE WITH N.F.P.A. #13
 * OWNER SHALL PROVIDE ADEQUATE HEAT IN ALL AREAS ENCLOSING WET TYPE
 SPRINKLER PIPING TO PREVENT FREEZING AND FAILURE OF AUTOMATIC SPRINKLER SYSTEM.



PENDENT DETAIL
 SCALE: N.T.S.



SIDEWALL DETAIL
 SCALE: N.T.S.



4TH FLOOR PLAN
 TOTAL PROTECTED AREA 920 SQ.FT.
 SCALE 1/4" = 1'-0"

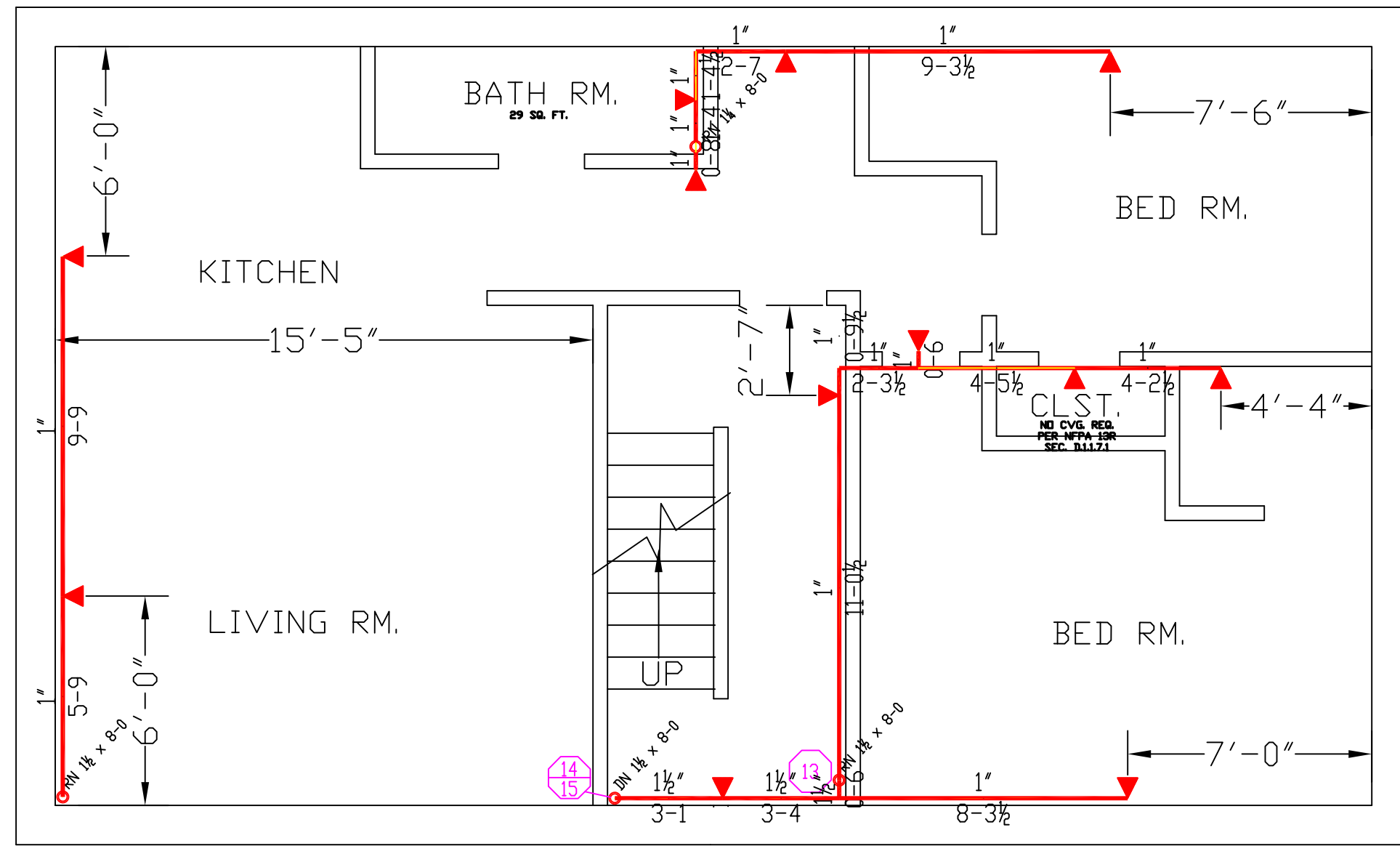
DESIGN AREA #2
HYD. DESIGN CRITERIA
 (NFPA 13 SPRINKLER SYS. WET)
 LOCATION= 4TH FLOOR BEDROOM
 HAZARD CLASSIFICATION: LIGHT
 DENSITY= .05 GPM/SQ.FT.
 AREA OF OPERATION= 180 SQ. FT.
 HOSE DEMAND= 100 GPM
 NO. OF SPRINKLERS= 4 MOST DEMANDING
 SYSTEM DEMAND (INCLUDING HOSE) @
 BASE OF RISER= 169.9 GPM 79.8-PSI
 SAFETY MARGIN= 5.95-PSI



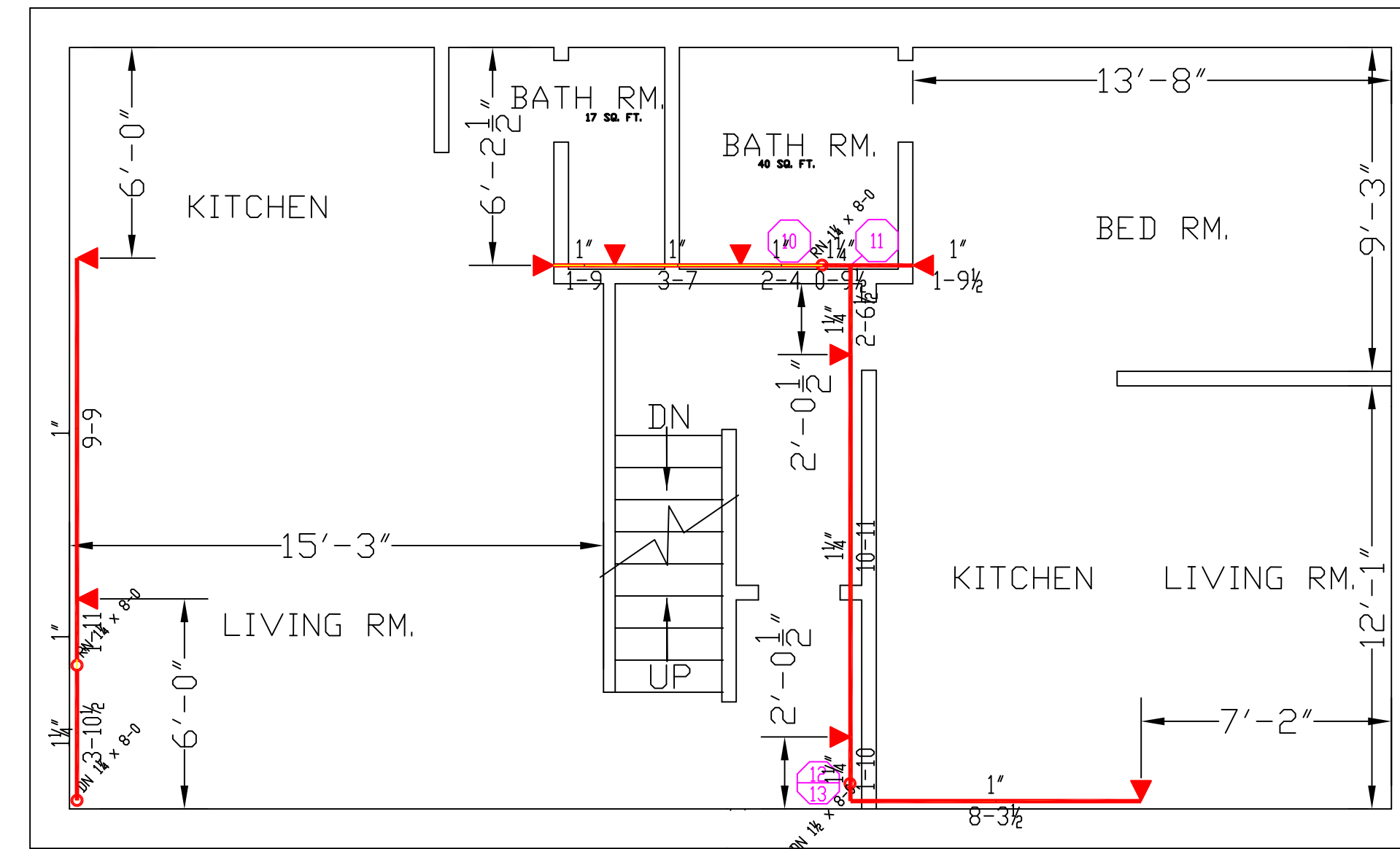
BUILDING VIEW
 SCALE: N.T.S.



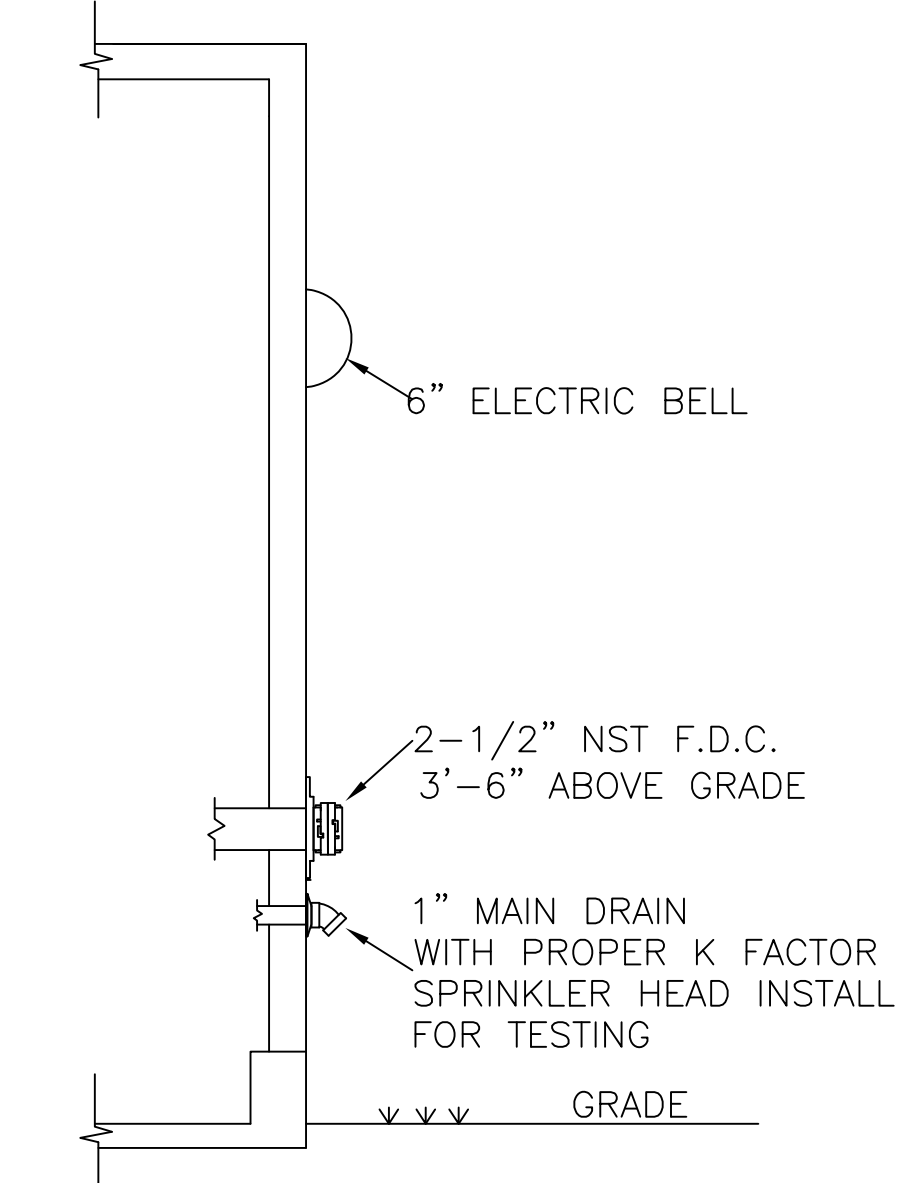
PROJECT SITE
SITE PLAN
 SCALE: N.T.S.



2ND FLOOR PLAN
 TOTAL PROTECTED AREA 920 SQ.FT.
 SCALE 1/4" = 1'-0"

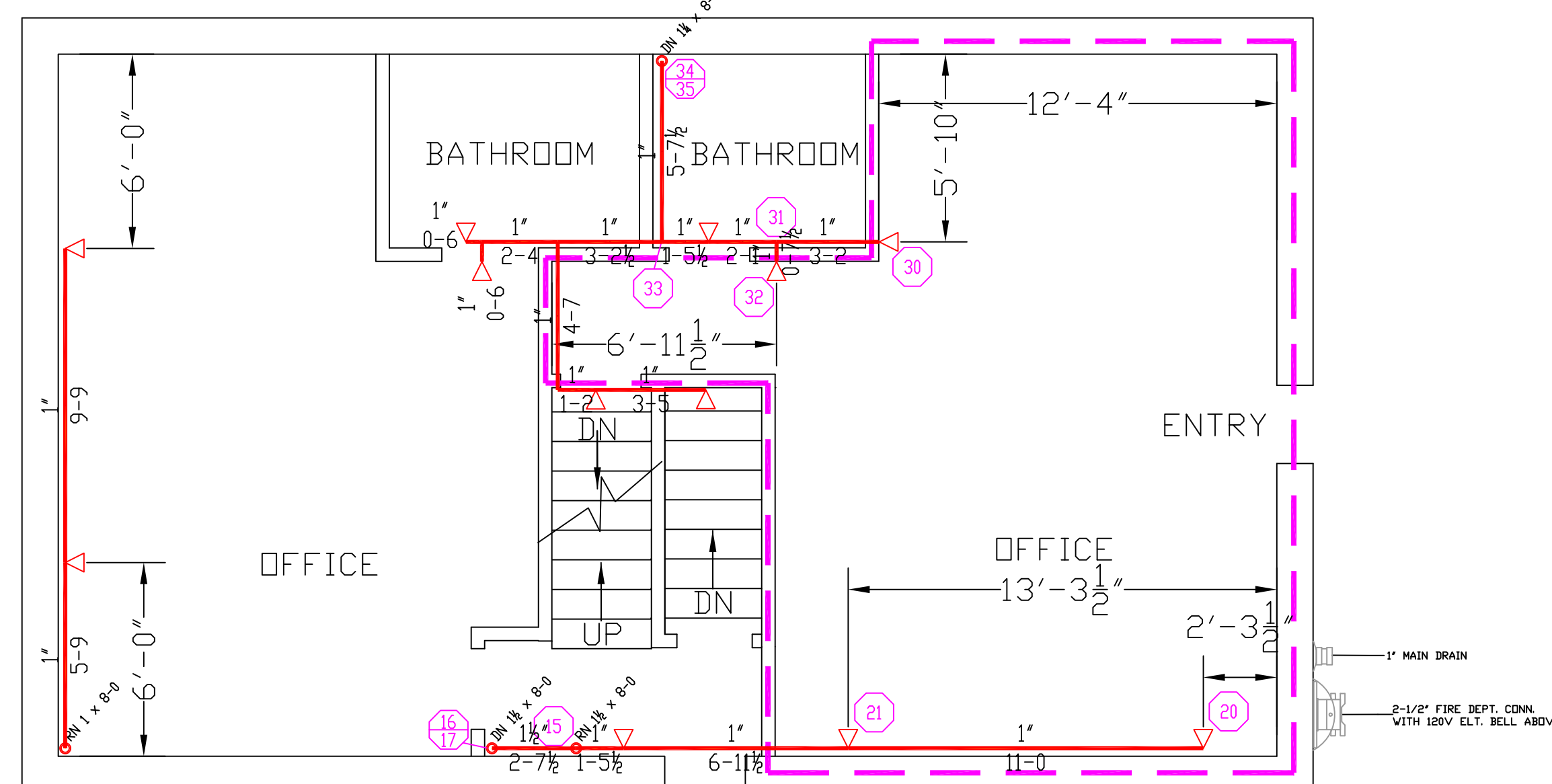


3RD FLOOR PLAN
 TOTAL PROTECTED AREA 920 SQ.FT.
 SCALE 1/4" = 1'-0"

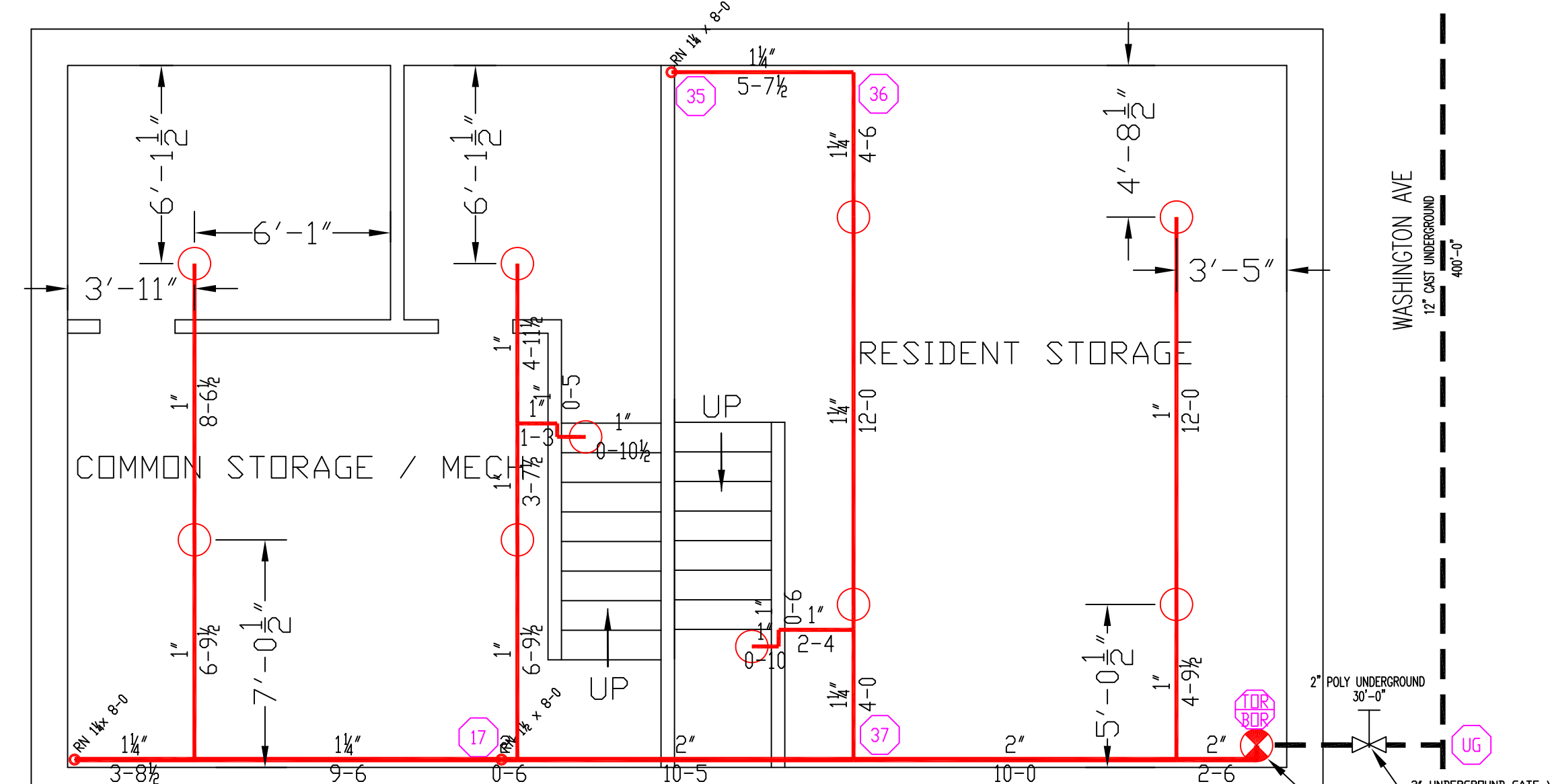


F.D.C. AND DRAIN DETAIL
 SCALE: N.T.S.

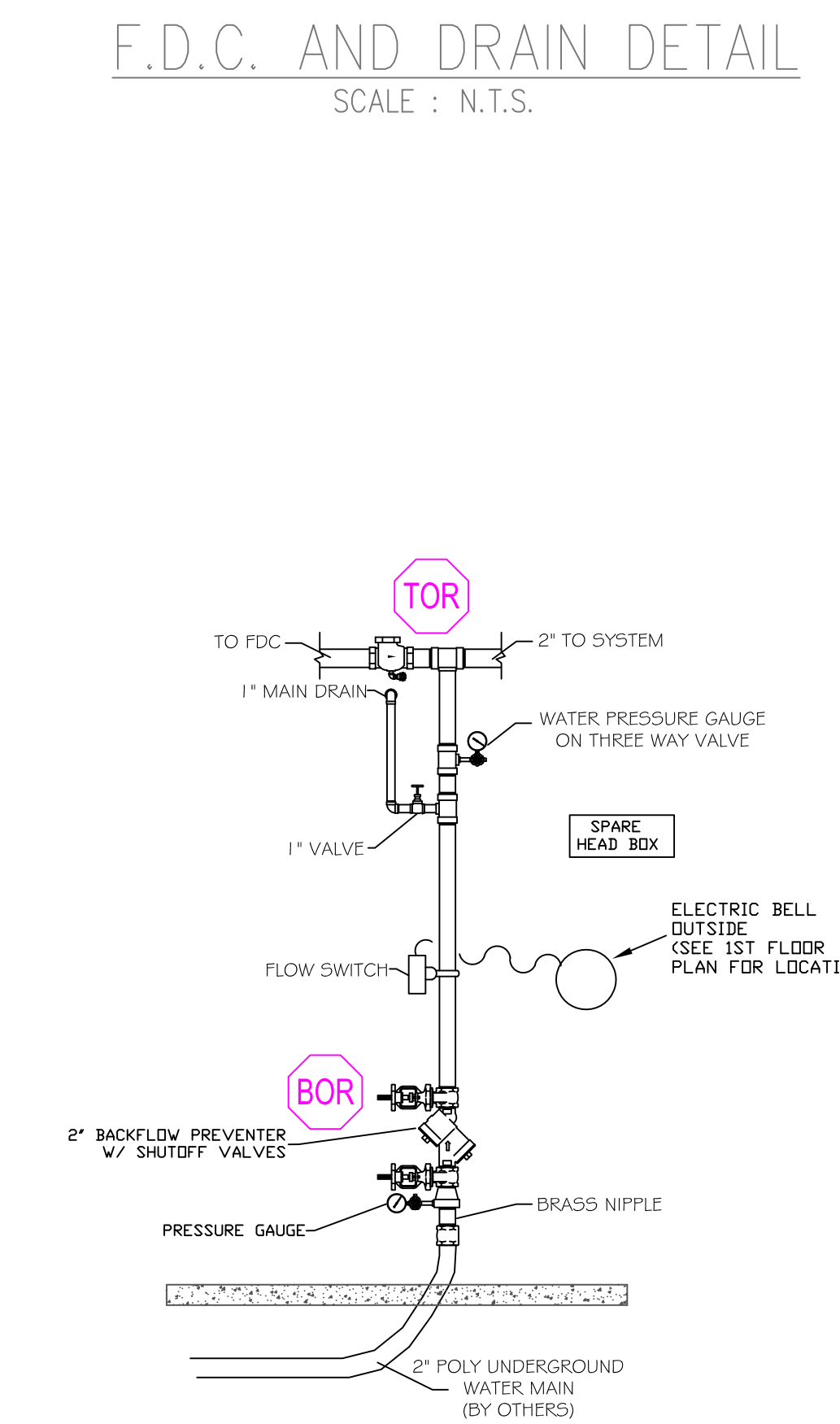
DESIGN AREA #1
HYD. DESIGN CRITERIA
 (NFPA 13 SPRINKLER SYS. WET)
 LOCATION= OFFICE SPACE
 HAZARD CLASSIFICATION: LIGHT
 DENSITY= .1 GPM/SQ.FT.
 AREA OF OPERATION= 374 SQ. FT.
 HOSE DEMAND: 0 GPM
 NO. OF SPRINKLERS= 4 MOST DEMANDING
 SYSTEM DEMAND (INCLUDING HOSE) @
 BASE OF RISER= 199.04 GPM 58.1-PSI
 SAFETY MARGIN= 27.6-PSI



1ST FLOOR PLAN
 TOTAL PROTECTED AREA 920 SQ.FT.
 SCALE 1/4" = 1'-0"



BASEMENT PLAN
 TOTAL PROTECTED AREA 920 SQ.FT.
 SCALE 1/4" = 1'-0"



RISER DETAIL
 SCALE: N.T.S.

REVISIONS:						
NO.	DATE	DESCRIPTION:				
SPECIAL APPLICATIONS:						
NO.	DESCRIPTION:					
SPRINKLER HEAD DESCRIPTION:						
RELIABLE F1FR56 HSW WHITE SIDEWALL QUICK RESPONSE SPRINKLER 7-8" MAX FROM HEAD TO WALL	<table border="1"> <tr> <th>NO.</th> <th>TEMPERATURE</th> </tr> <tr> <td>12</td> <td>155° F 5.6</td> </tr> </table>	NO.	TEMPERATURE	12	155° F 5.6	
NO.	TEMPERATURE					
12	155° F 5.6					
RELIABLE RES49 WHITE PENDENT	<table border="1"> <tr> <th>NO.</th> <th>TEMPERATURE</th> </tr> <tr> <td>10</td> <td>165° F 4.9</td> </tr> </table>	NO.	TEMPERATURE	10	165° F 4.9	
NO.	TEMPERATURE					
10	165° F 4.9					
RELIABLE F1RES44 HSW HORIZONTAL SIDEWALL 16" X 16" SPACING MAX 8-0" MAX FROM HEAD TO WALL	<table border="1"> <tr> <th>NO.</th> <th>TEMPERATURE</th> </tr> <tr> <td>34</td> <td>155° F 4.4</td> </tr> </table>	NO.	TEMPERATURE	34	155° F 4.4	
NO.	TEMPERATURE					
34	155° F 4.4					

LEGEND:

	SYSTEM RISER
	PIPE RISER UP
	PIPE RISER DOWN
	HYDRAULIC CALC. POINT
	PROPOSED STEEL PIPING
	UNDERGROUND PIPING

Contractor:
 Alternative Sprinkler
 Fire Protection
 39 Jackson Rd.
 Poland Spring Me 04274
 207-838-8930
SPRINKLER CONT. LICENSE #999

Project:
 98 WASHINGTON AVE.
 OFFICE/ APARTMENT
 BUILDING

**NFPA 13
 SPRINKLER SYSTEM**

Scale:
 SCALE 1/4"=1'-0"
 Drawn by: TIMOTHY FORTIN
 RMS # 866
 NICET LEVEL III CERT. # 122193
 Date: DEC 2, 2015

Approval by: Local Fire Dept.
 State Of Maine

LOCATION:
 98 WASHINGTON AVE.
 PORTLAND, MAINE

SHEET NUMBER
FP-01
1 OF 1

NOTE: USE OF THESE PLANS BY THE INSTALLING CONTRACTOR SHALL INDICATE ACCEPTANCE OF ALL THE INFORMATION PROVIDED ON THESE PLANS AND SHALL TRANSFER FINAL RESPONSIBILITY OF THE CORRECTNESS OF THE SYSTEM TO THE INSTALLING CONTRACTOR. ANY DESIGN ERRORS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
 NOTE: ADDITIONAL SPRINKLER HEADS OVER AND ABOVE THOSE SPECIFICALLY NOTED ON THESE DRAWINGS MAY BE REQUIRED DEPENDING ON THE REQUIRED ROUTING AROUND TRUSSES, HVAC DUCTWORK, HOODS AND OTHER SIMILAR OBSTRUCTIONS. FIELD VERIFY EXISTING CONDITIONS DURING CONSTRUCTION AND PROVIDE ANY AND ALL ADDITIONAL HEADS AS REQUIRED FOR FULL COVERAGE AND A COMPLETE, CODE COMPLIANT SYSTEM.