

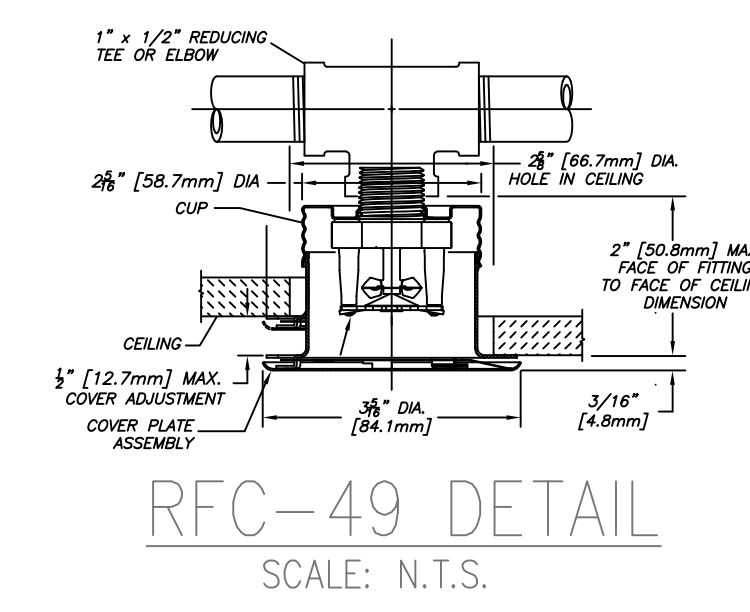
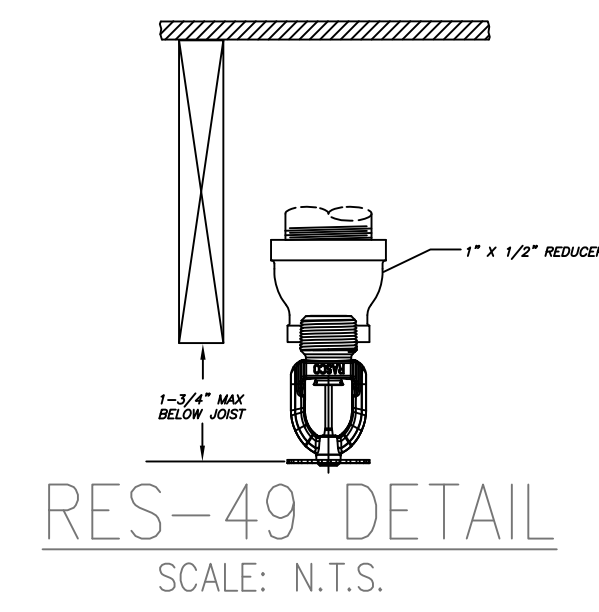
PROJECT INFORMATION:
SCOPE:
 The fire protection project consists of installing a NFPA 13R wet sprinkler system in this building located at 15 Walton St in Portland.

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.

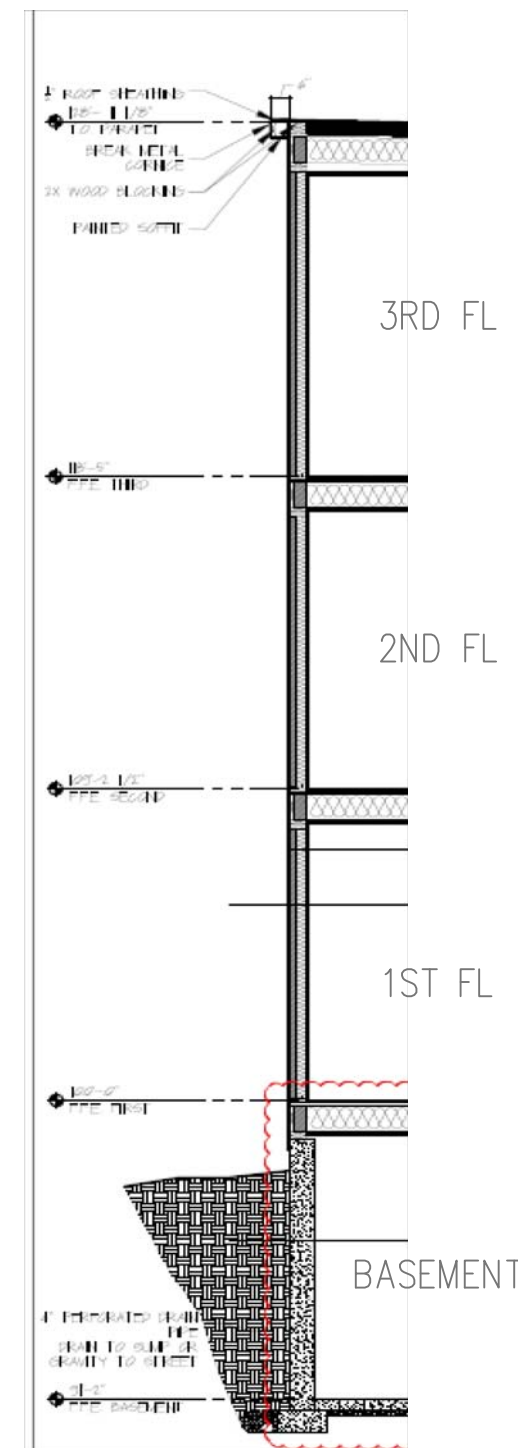
CONSTRUCTION TYPE:
 Construction type is "wood construction with gypsum wall board"

CODE REFERENCES:
 NFPA 13R Wet Sprinkler System.

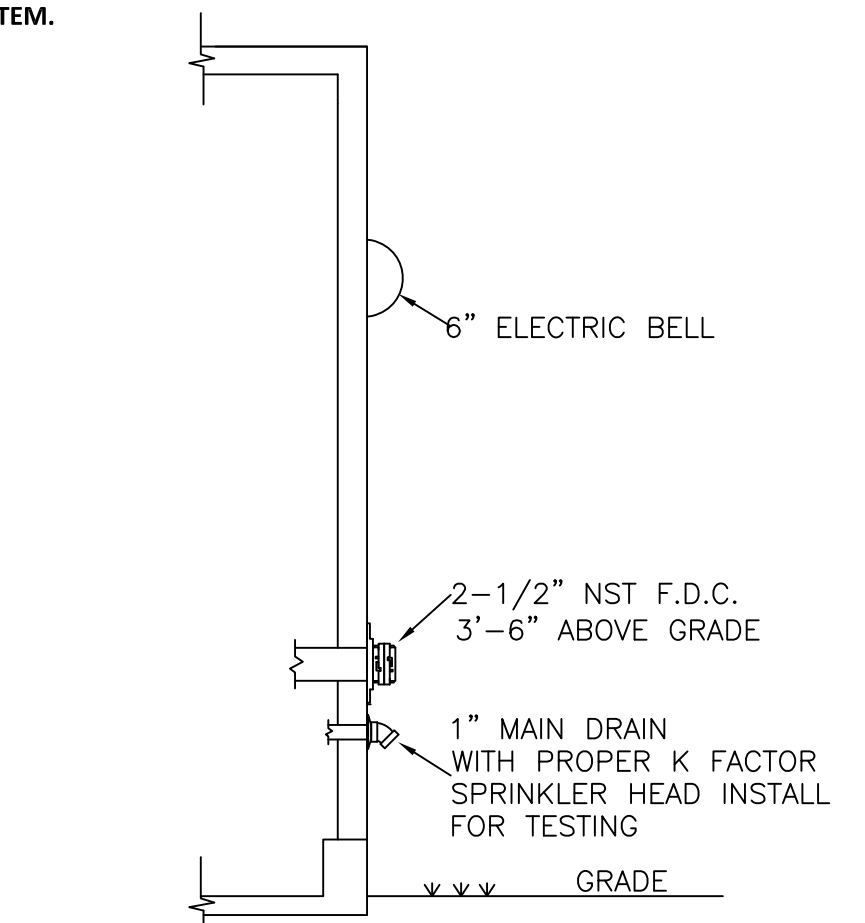
SPRINKLER SYSTEM NOTES
 * DESIGN AND INSTALLATION SHALL CONFORM TO N.F.P.A. #13R (2010) & LOCAL FIRE AND BLDG. DEPTS.
 * HANGER INSTALLATION AND SPACING SHALL BE IN ACCORDANCE WITH N.F.P.A. #13
 * FIELD FOREMAN TO VERIFY LOCATION OF HIGH TEMPERATURE SPRINKLERS
 * AND INSTALL HIGH TEMPERATURE SPRINKLERS 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.



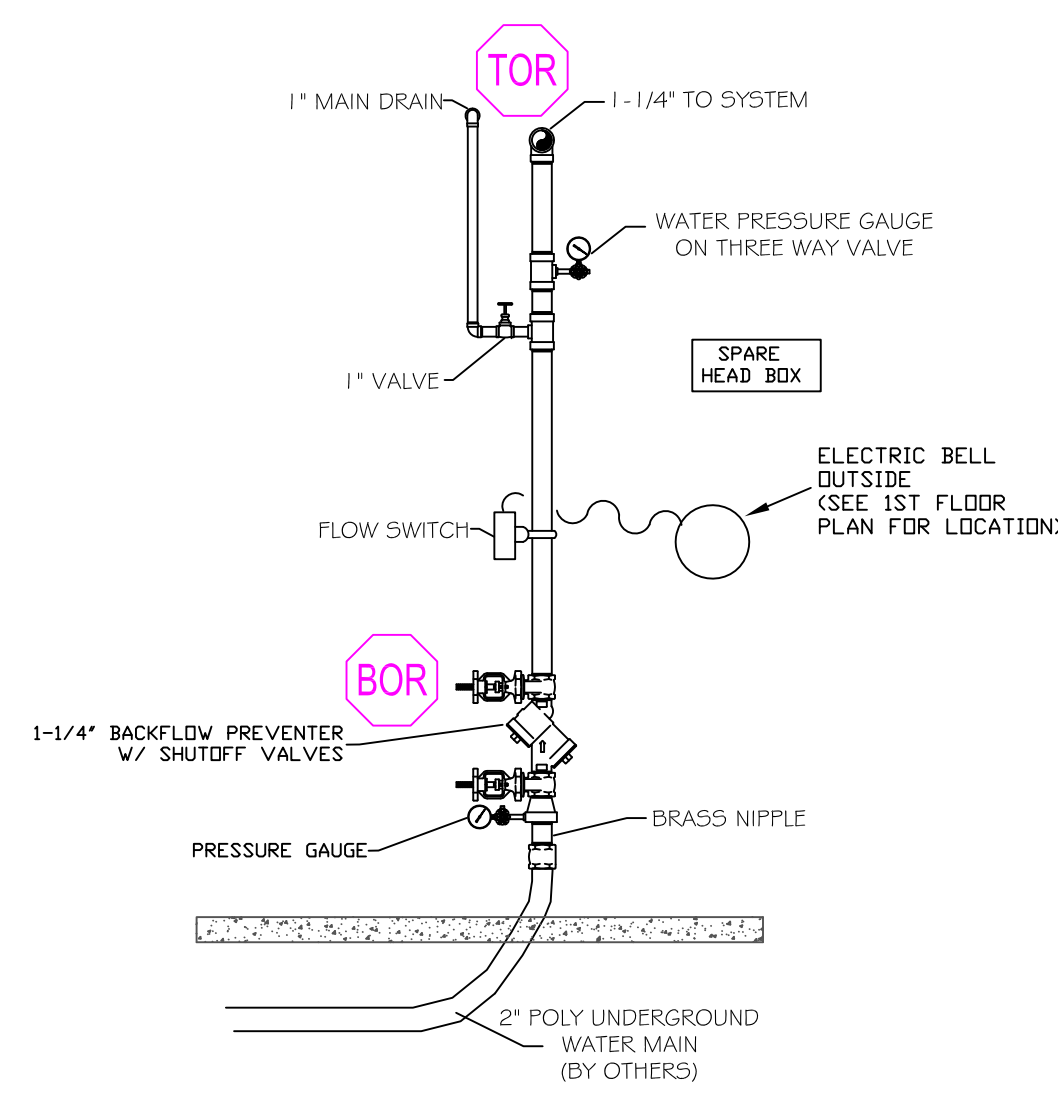
SITE PLAN
 SCALE: N.T.S.



SECTION DETAIL
 SCALE: N.T.S.

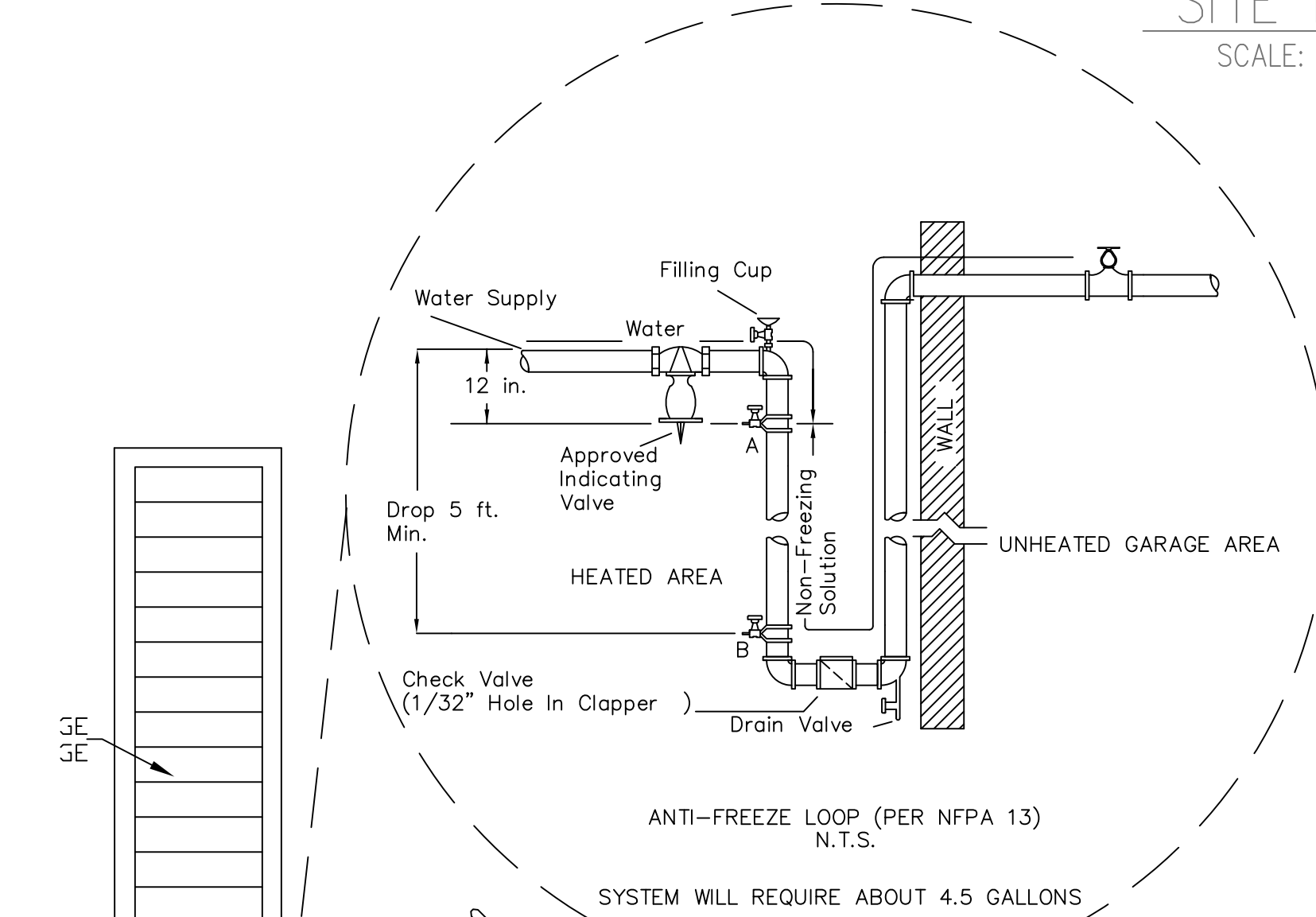


F.D.C. AND DRAIN DETAIL
 SCALE: N.T.S.

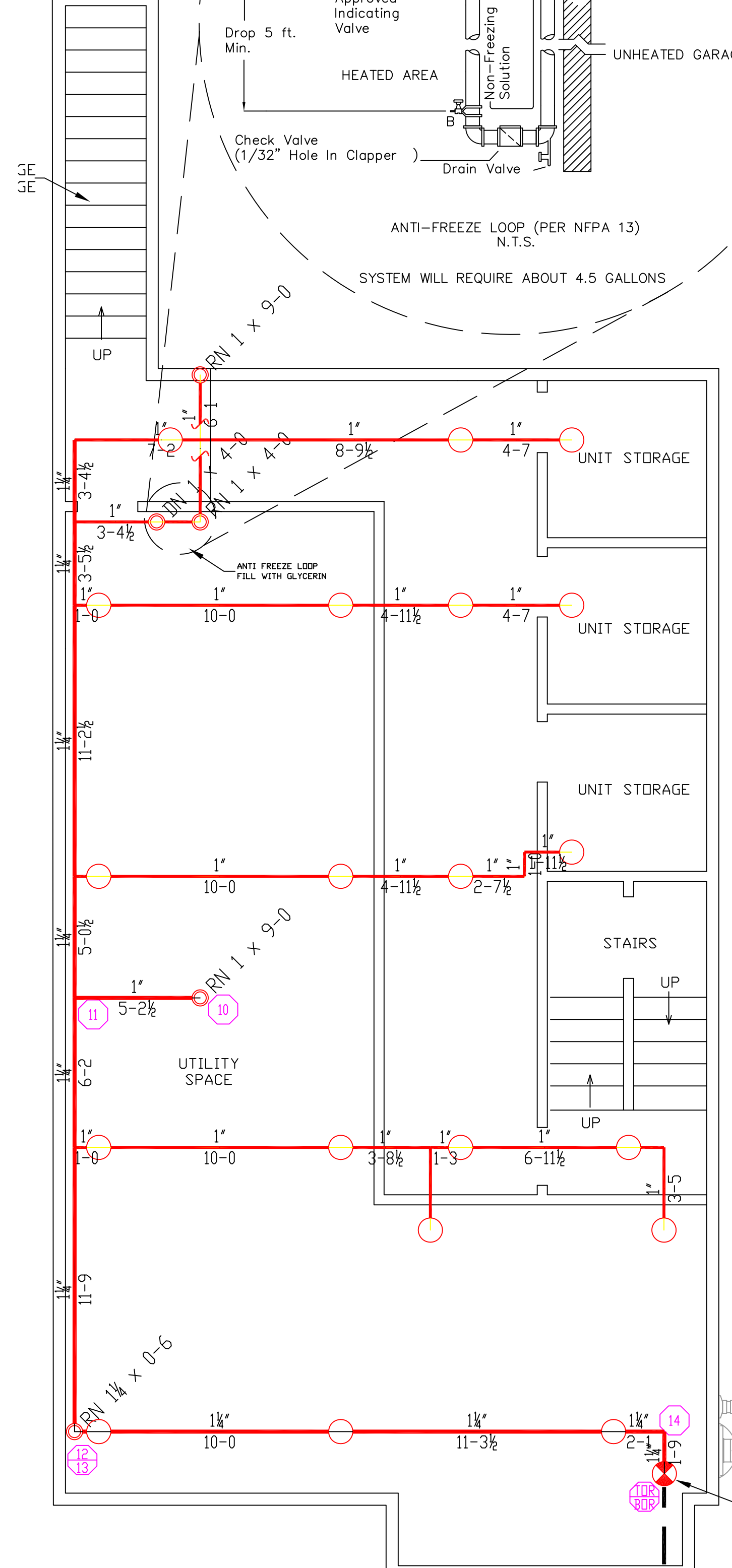
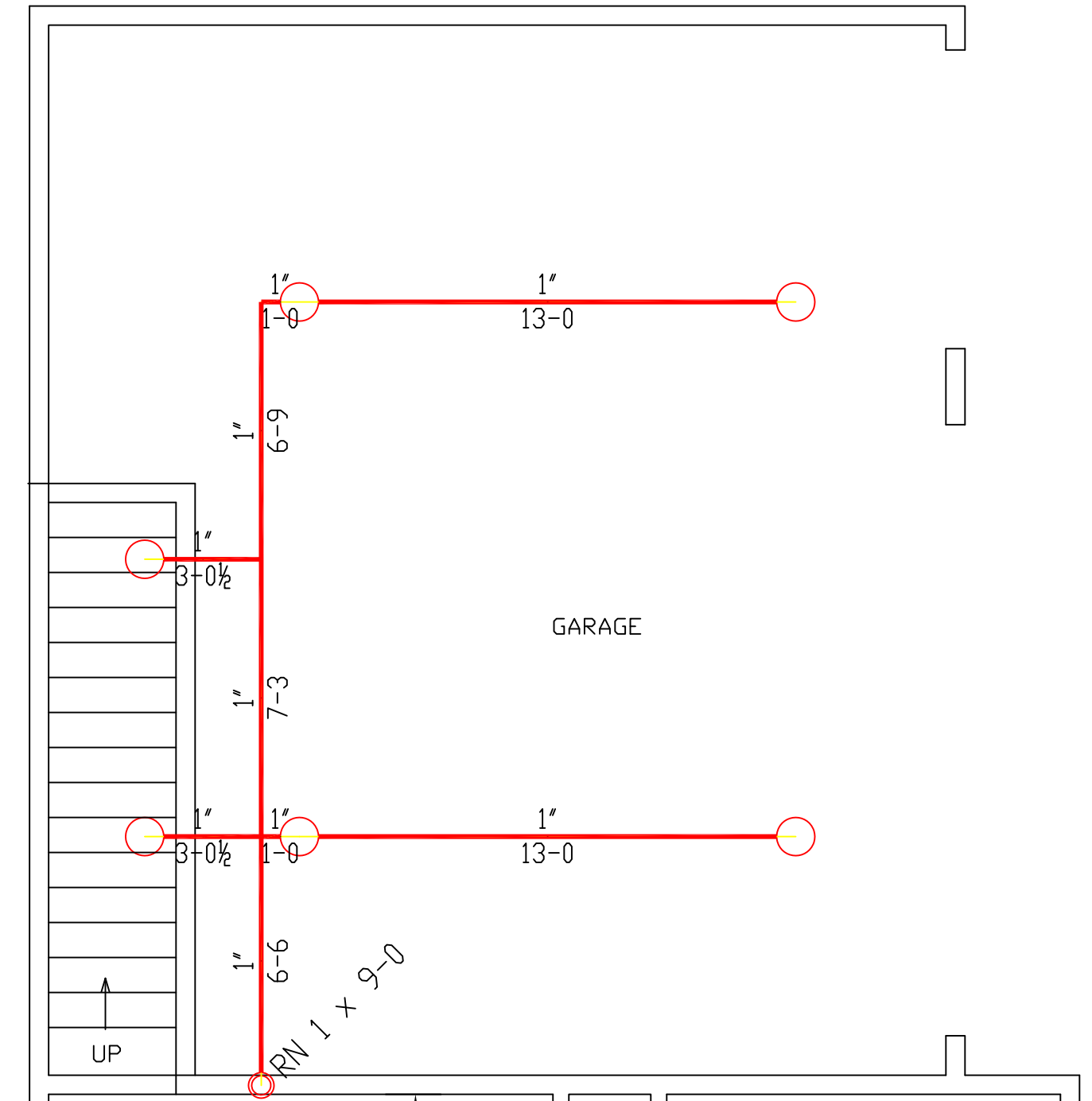


RISER DETAIL
 SCALE: N.T.S.

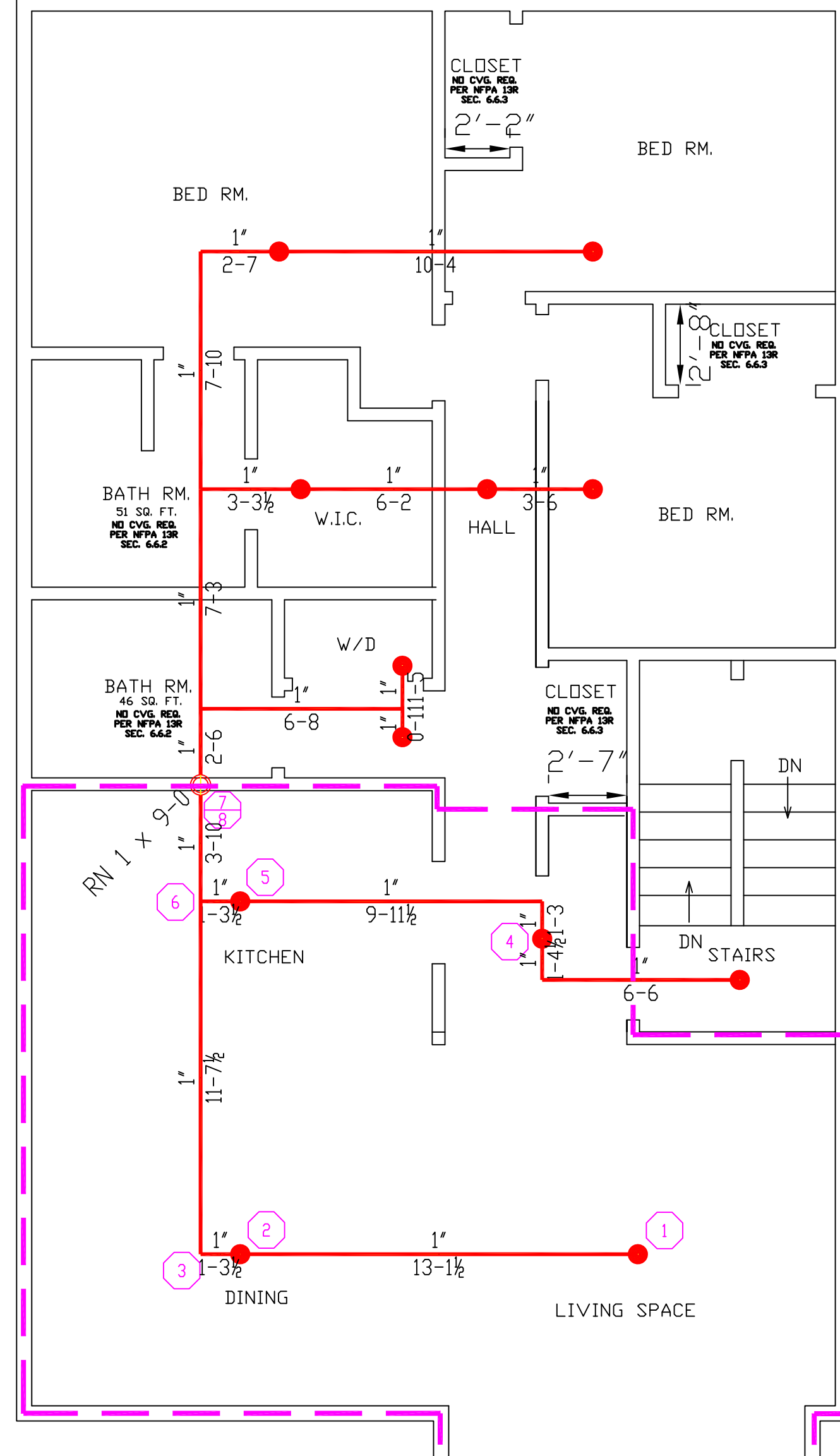
DESIGN AREA CALC
HYD. DESIGN CRITERIA
 (NFPA 13R SPRINKLER SYS. WET)
 LOCATION= 3RD FLOOR LIVING/ DINING/ KITCHEN
 HAZARD CLASSIFICATION: LIGHT
 DENSITY= 0.5 GPM/SQ.FT.
 AREA OF OPERATION= 532 SQ.FT.
 HOSE DEMAND: 0 GPM
 NO. OF SPRINKLERS= 4 MOST DEMANDING
 SYSTEM DEMAND (INCLUDING HOSE) @
 BASE OF RISER= 56.3-GPM 70.7-PSI
 SAFETY MARGIN= 23.2-PSI



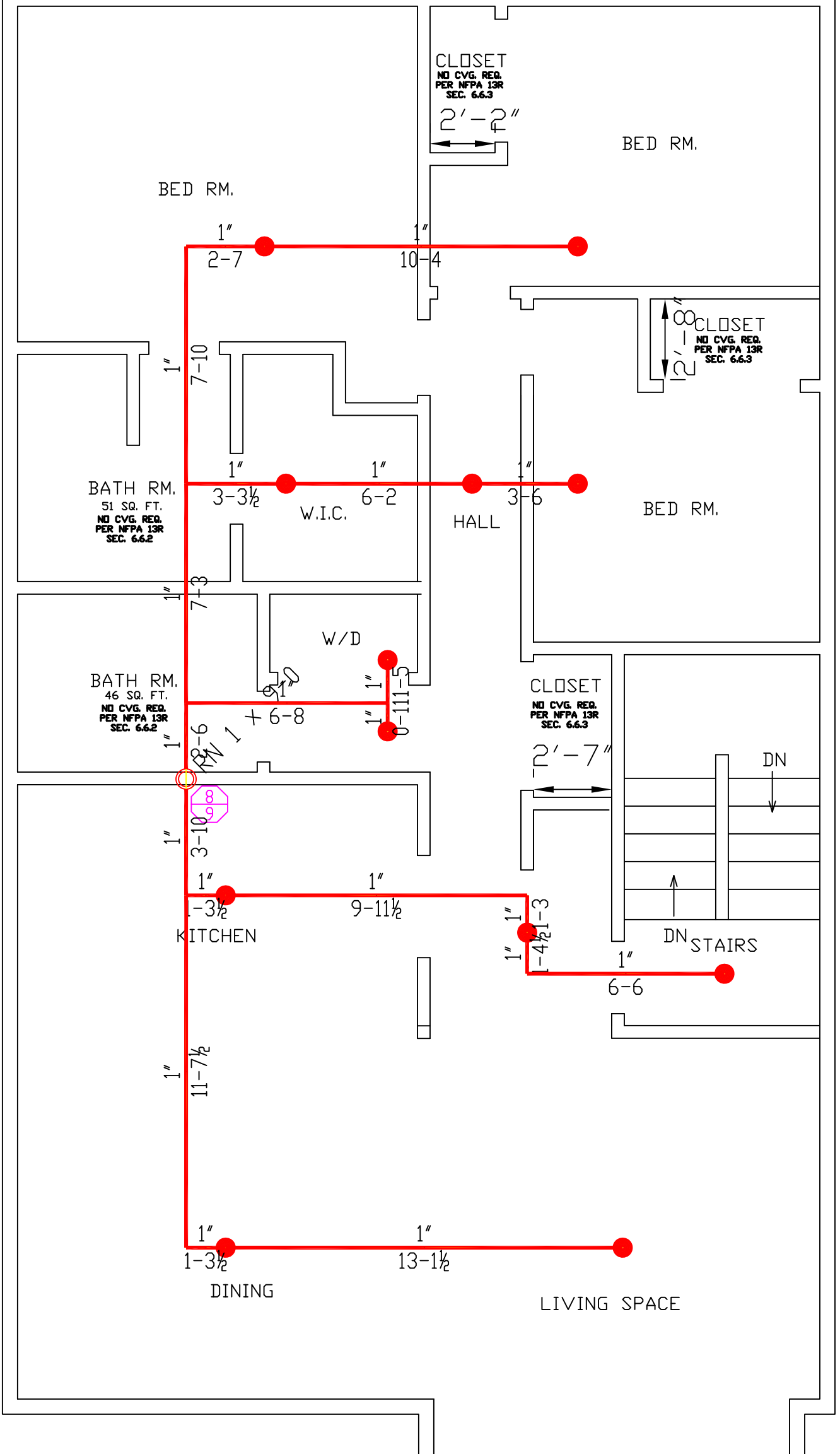
ANTI-FREEZE LOOP (PER NFPA 13)
 N.T.S.
 SYSTEM WILL REQUIRE ABOUT 4.5 GALLONS



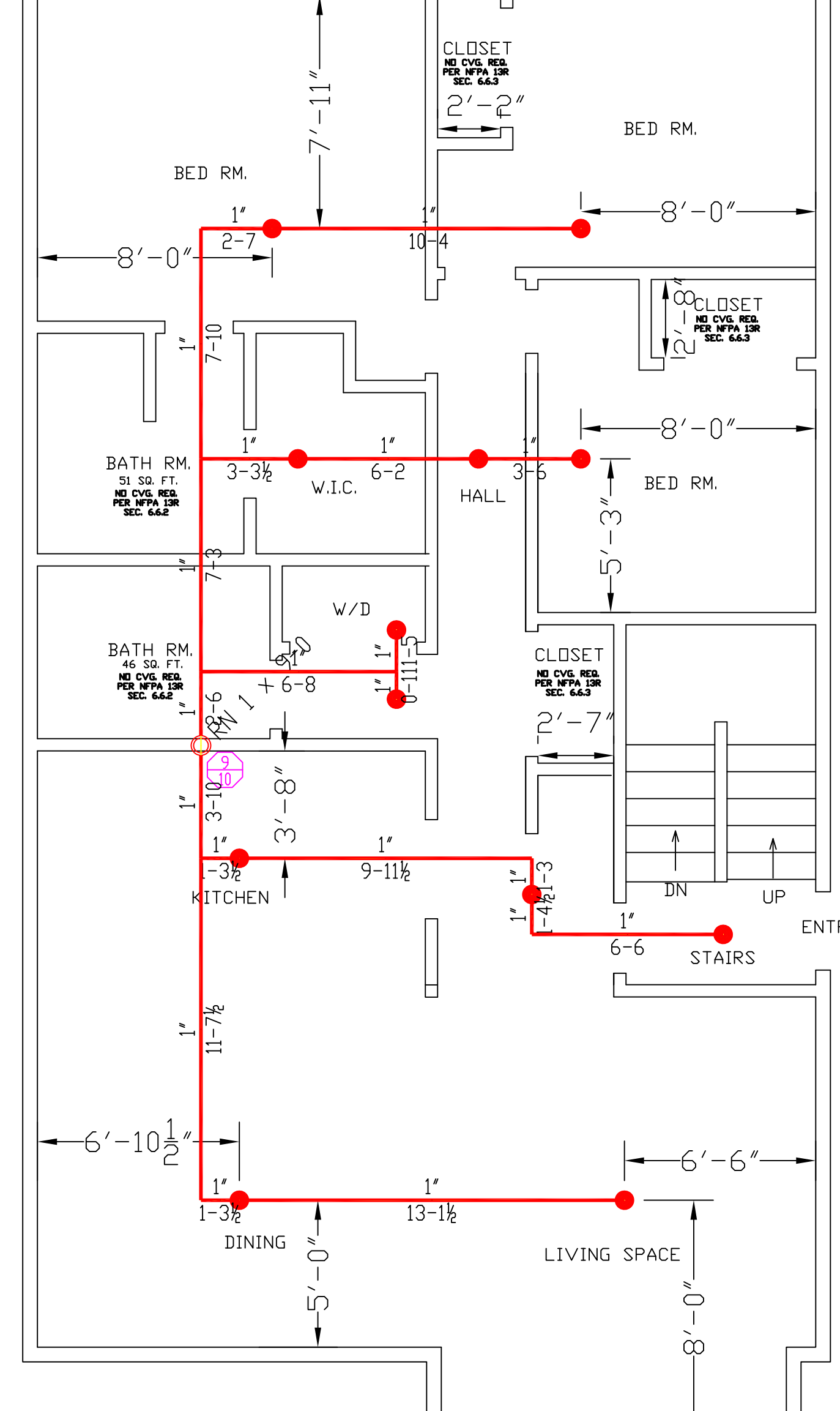
BASEMENT PLAN
 TOTAL PROTECTED AREA 1,395 SQ.FT.
 SCALE 1/4" = 1'-0"



3RD FLOOR PLAN
 TOTAL PROTECTED AREA 1,345 SQ.FT.
 SCALE 1/4" = 1'-0"



2ND FLOOR PLAN
 TOTAL PROTECTED AREA 1,345 SQ.FT.
 SCALE 1/4" = 1'-0"



1ST FLOOR PLAN
 TOTAL PROTECTED AREA 1,970 SQ.FT.
 SCALE 1/4" = 1'-0"

TEST HYD INFO
 HYD# POD-HYD01218
 TESTED: 04/24/15
 STATIC: 94
 RES: 86
 FLOW: 2288 GPM

REVISIONS:								
NO.	DATE:	DESCRIPTION:						
SPECIAL APPLICATIONS:								
NO.	DESCRIPTION:							
SPRINKLER HEAD DESCRIPTION:								
RELIABLE RFC-49	WHITE CONCEALED PENDENT	16" X 16" SPACING MAX 8" MAX FROM HEAD TO WALL						
		<table border="1"> <tr> <th>TYPE</th> <th>TEMP</th> <th>PSI</th> </tr> <tr> <td>38</td> <td>165°</td> <td>4.9</td> </tr> </table>	TYPE	TEMP	PSI	38	165°	4.9
TYPE	TEMP	PSI						
38	165°	4.9						
RELIABLE RES-49	WHITE PENDENT	16" X 16" SPACING MAX 8-0" MAX FROM HEAD TO WALL 12" X 12" SPACING MAX IN BASEMENT						
		<table border="1"> <tr> <th>TYPE</th> <th>TEMP</th> <th>PSI</th> </tr> <tr> <td>28</td> <td>165°</td> <td>4.9</td> </tr> </table>	TYPE	TEMP	PSI	28	165°	4.9
TYPE	TEMP	PSI						
28	165°	4.9						
LEGEND:								
⊕	SYSTEM RISER							
○	PIPE RISER UP							
⊖	PIPE RISER DOWN							
⊙	HYDRAULIC CALC. POINT							
—	PROPOSED PIPING							
- - -	UNDERGROUND PIPING							
Contractor: Alternative Sprinkler Fire Protection 39 Jackson Rd. Poland Spring Me 04274 207-838-8930 SPRINKLER CONT. LICENSE #990								
Project: 15 WALTON ST. APARTMENT BUILDING								
NFPA 13R SPRINKLER SYSTEM								
Scale: 1/4" = 1'-0"								
Drawn by: TIMOTHY FORTIN RMS # 866 NICET LEVEL III CERT. # 122193								
Date: JAN 20, 2016								
Approval by: Local Fire Dept. State Of Maine								
LOCATION: 15 WALTON ST. 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.