

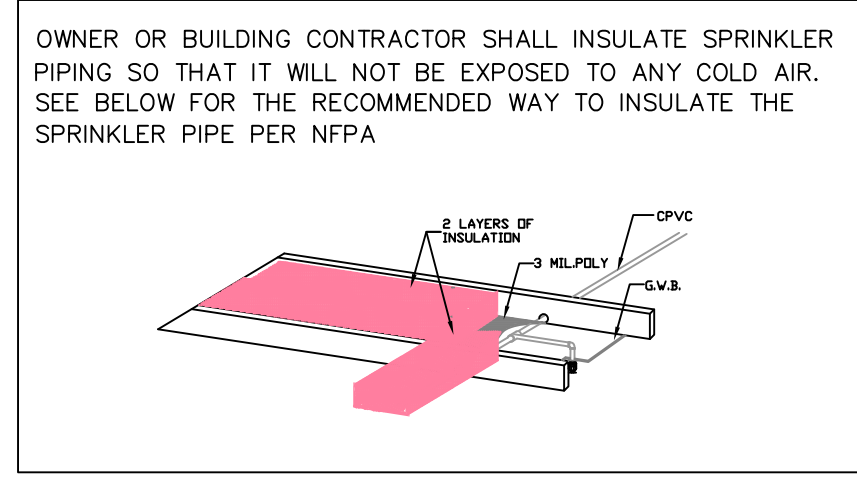
PROJECT INFORMATION:
SCOPE:
 The fire protection project consists of installing a NFPA 13R wet sprinkler system in this building located at 72 Munjoy St in Portland.

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.

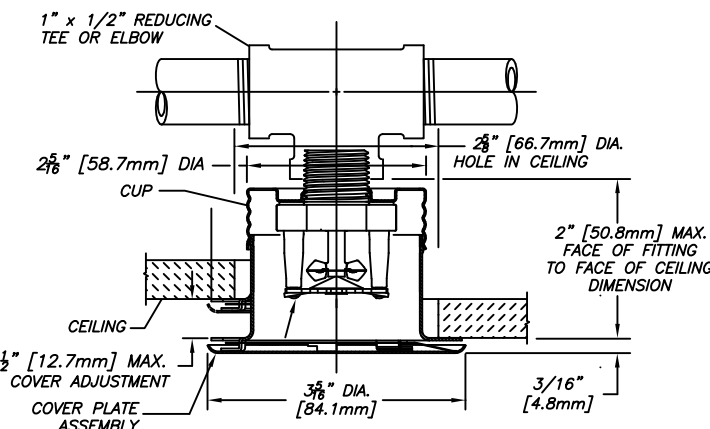
CONSTRUCTION TYPE:
 Construction type is "wood construction with gypsum wall board"

CODE REFERENCES:
 NFPA 13R Wet Sprinkler System.

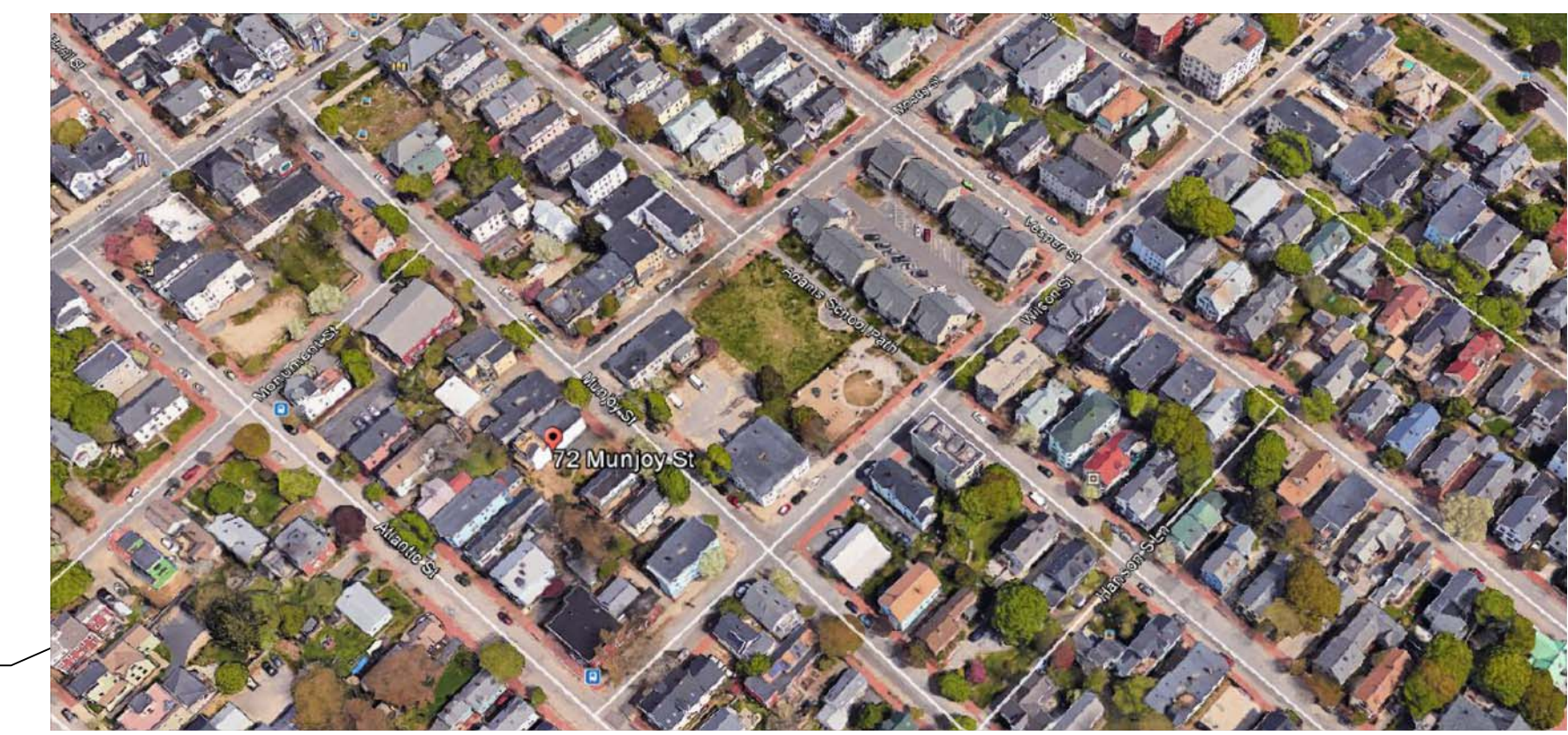
SPRINKLER SYSTEM NOTES
 * DESIGN AND INSTALLATION SHALL CONFORM TO N.F.P.A. #13R (2010) & LOCAL FIRE AND BLDG. DEPTS.
 * HANGER INSTALLATION AND SPACING SHALL BE IN ACCORDANCE WITH N.F.P.A. #13
 * FIELD FOREMAN TO VERIFY LOCATION OF HIGH TEMPERATURE SPRINKLERS
 AND INSTALL HIGH TEMPERATURE SPRINKLERS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



INSULATION DETAIL
 SCALE: N.T.S.

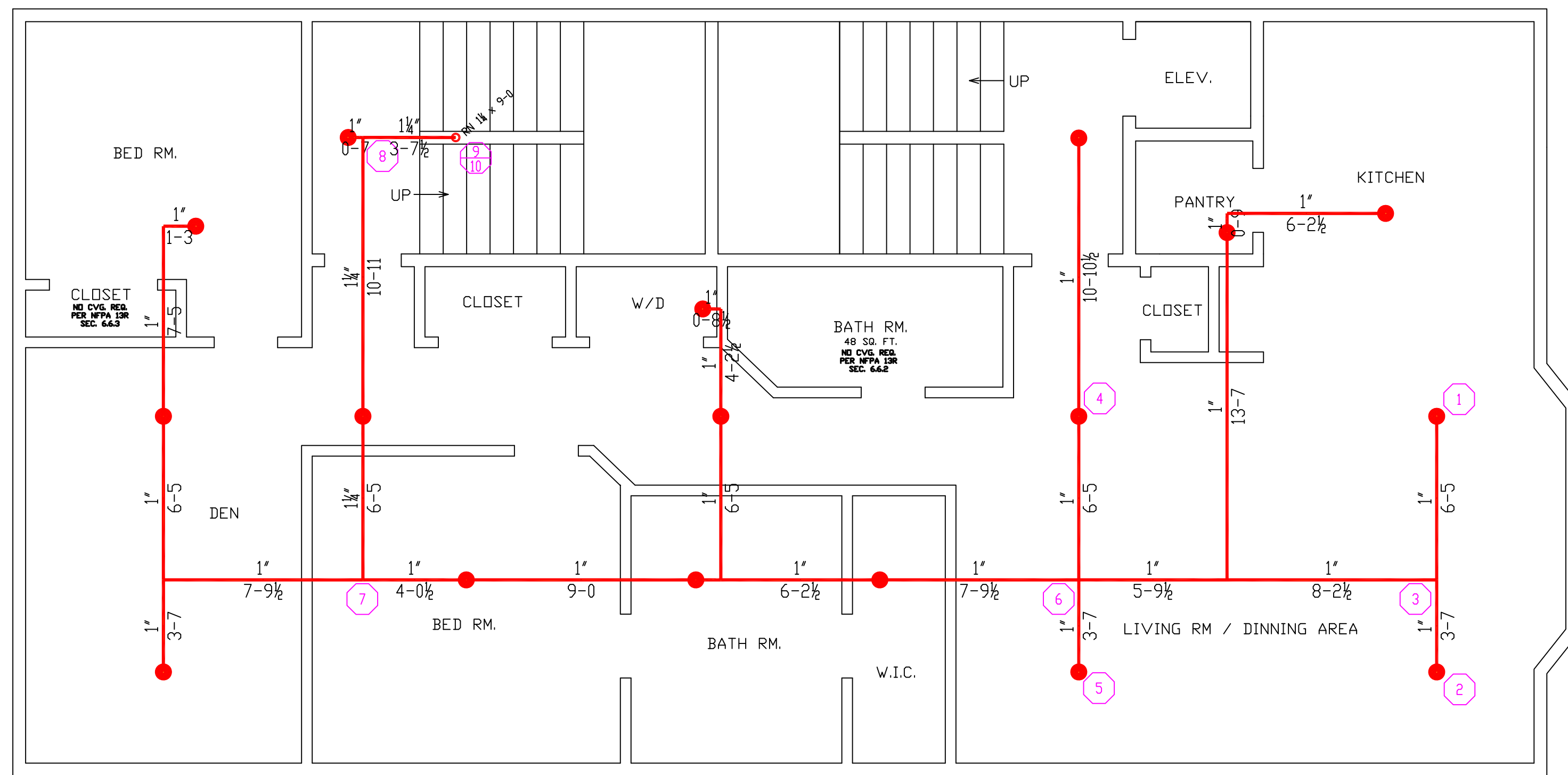


RFC-49 DETAIL
 SCALE: N.T.S.

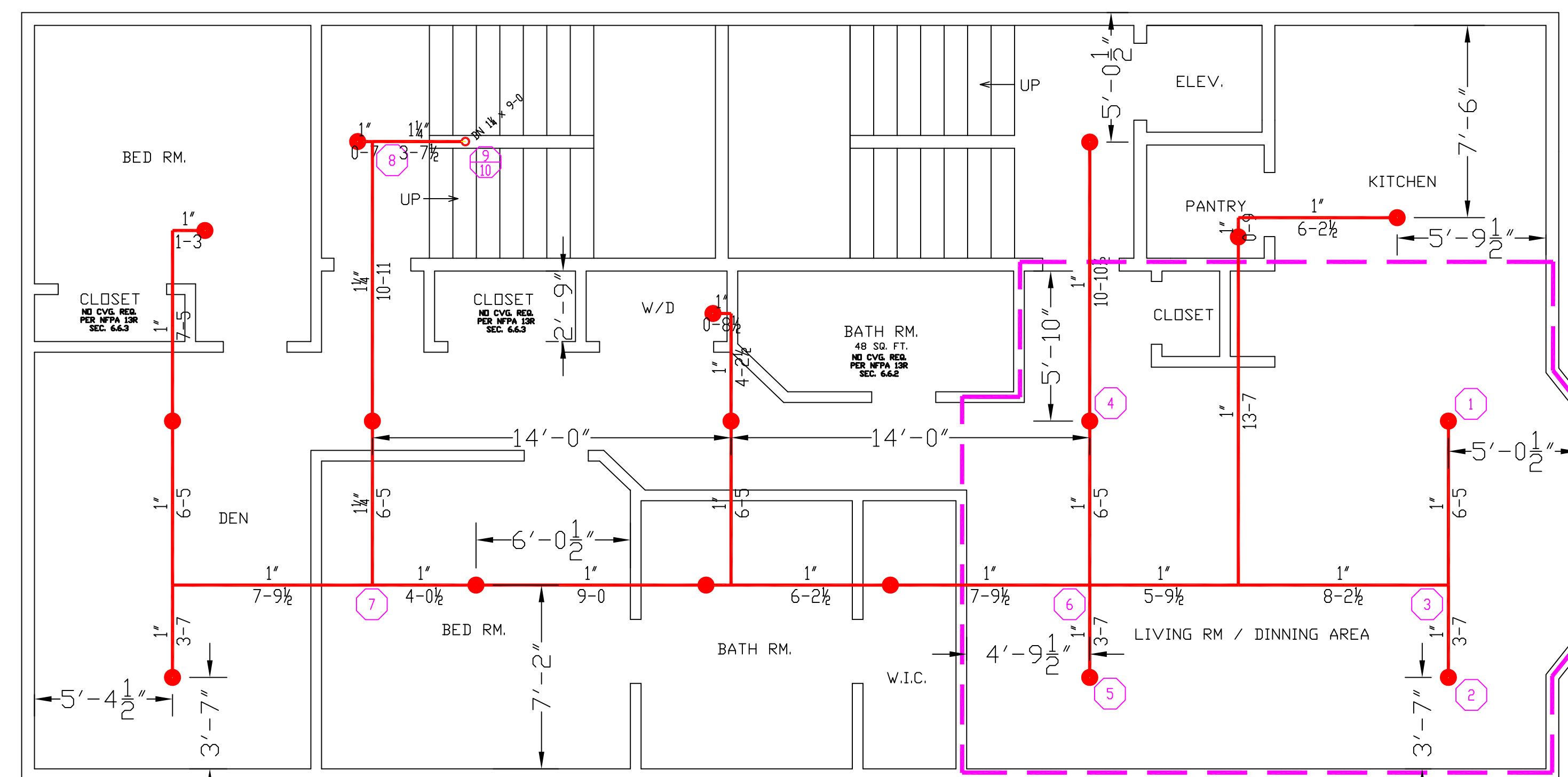


PROJECT SITE

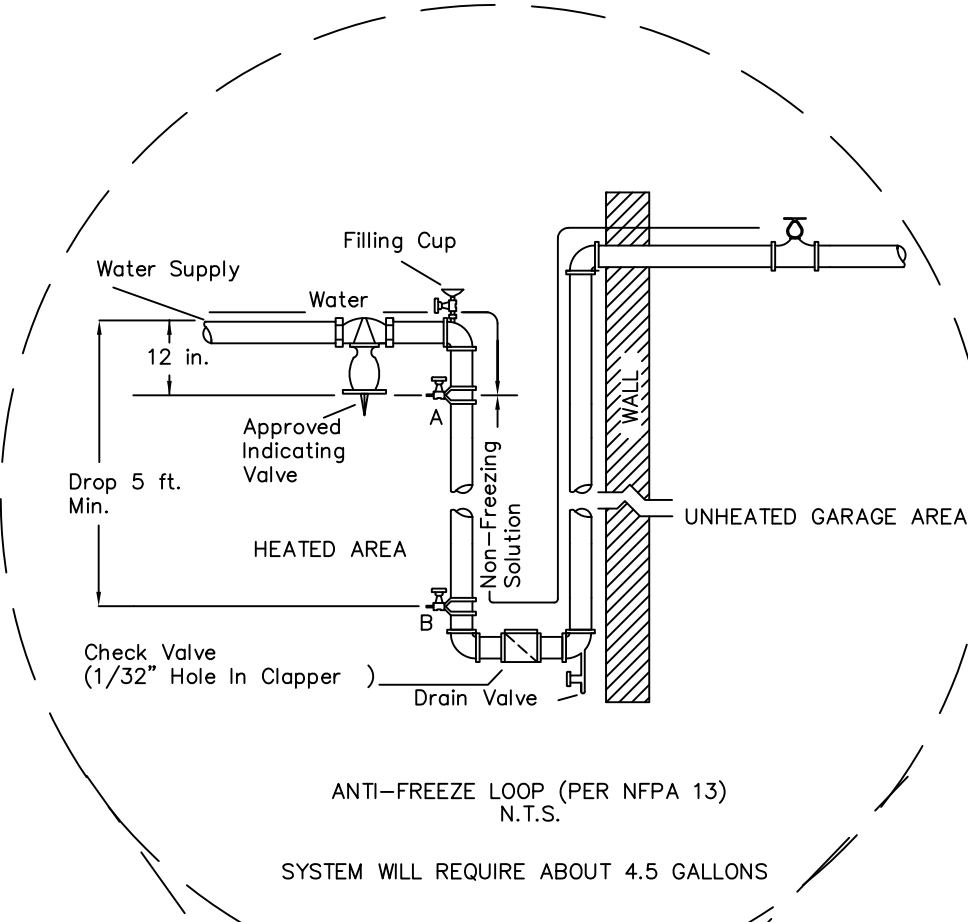
SITE PLAN
 SCALE: N.T.S.



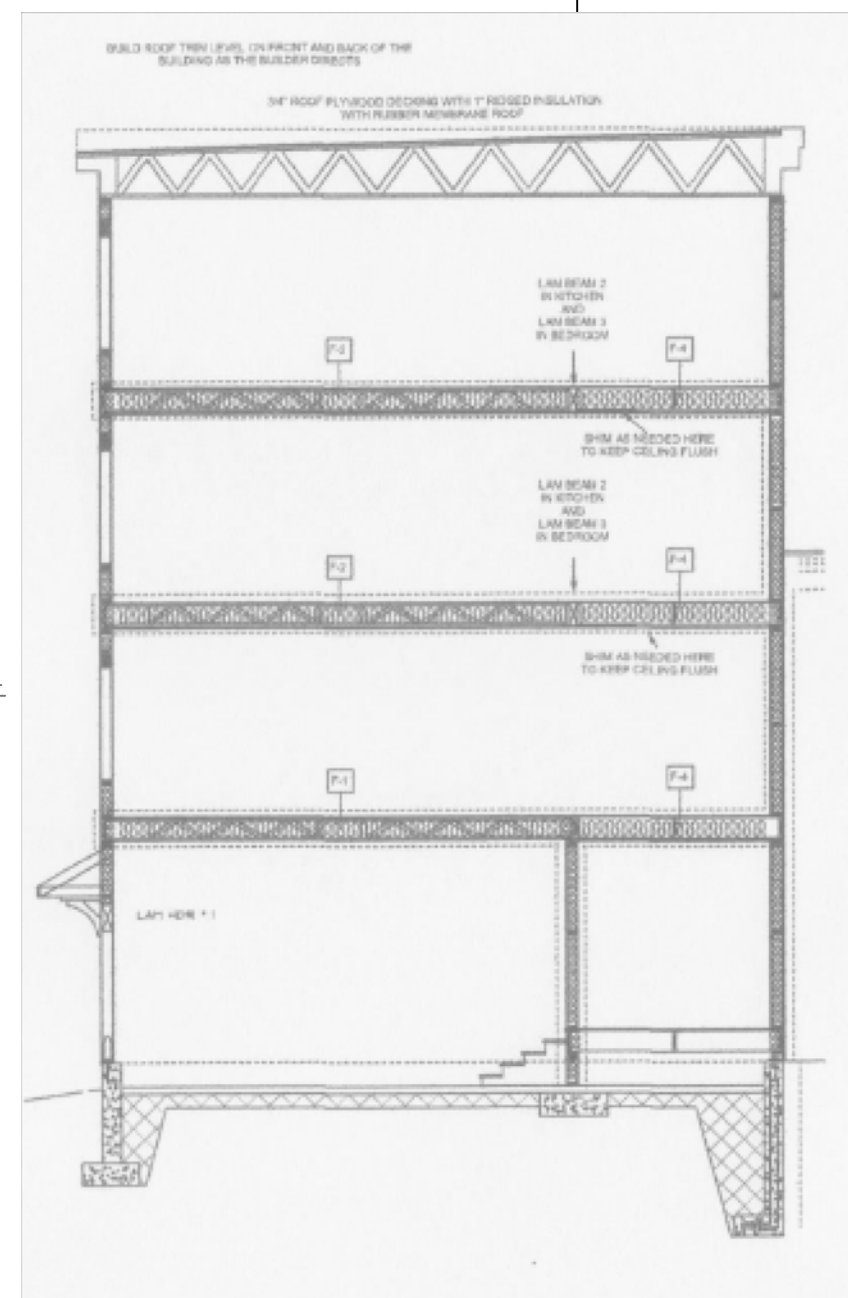
3RD FLOOR PLAN
 TOTAL PROTECTED AREA 1,790 SQ.FT.
 SCALE 1/4" = 1'-0"



4TH FLOOR PLAN
 TOTAL PROTECTED AREA 1,790 SQ.FT.
 SCALE 1/4" = 1'-0"

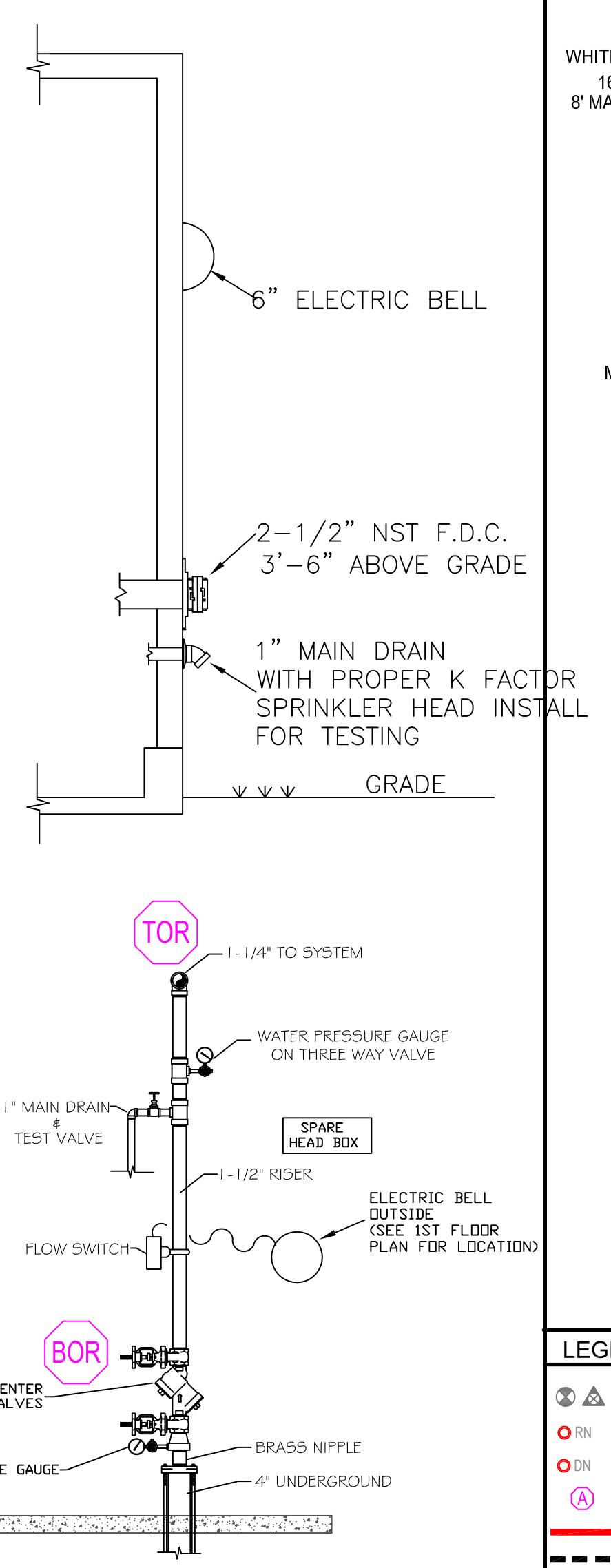


ANTI-FREEZE LOOP (PER NFPA 13)
 N.T.S.
 SYSTEM WILL REQUIRE ABOUT 4.5 GALLONS

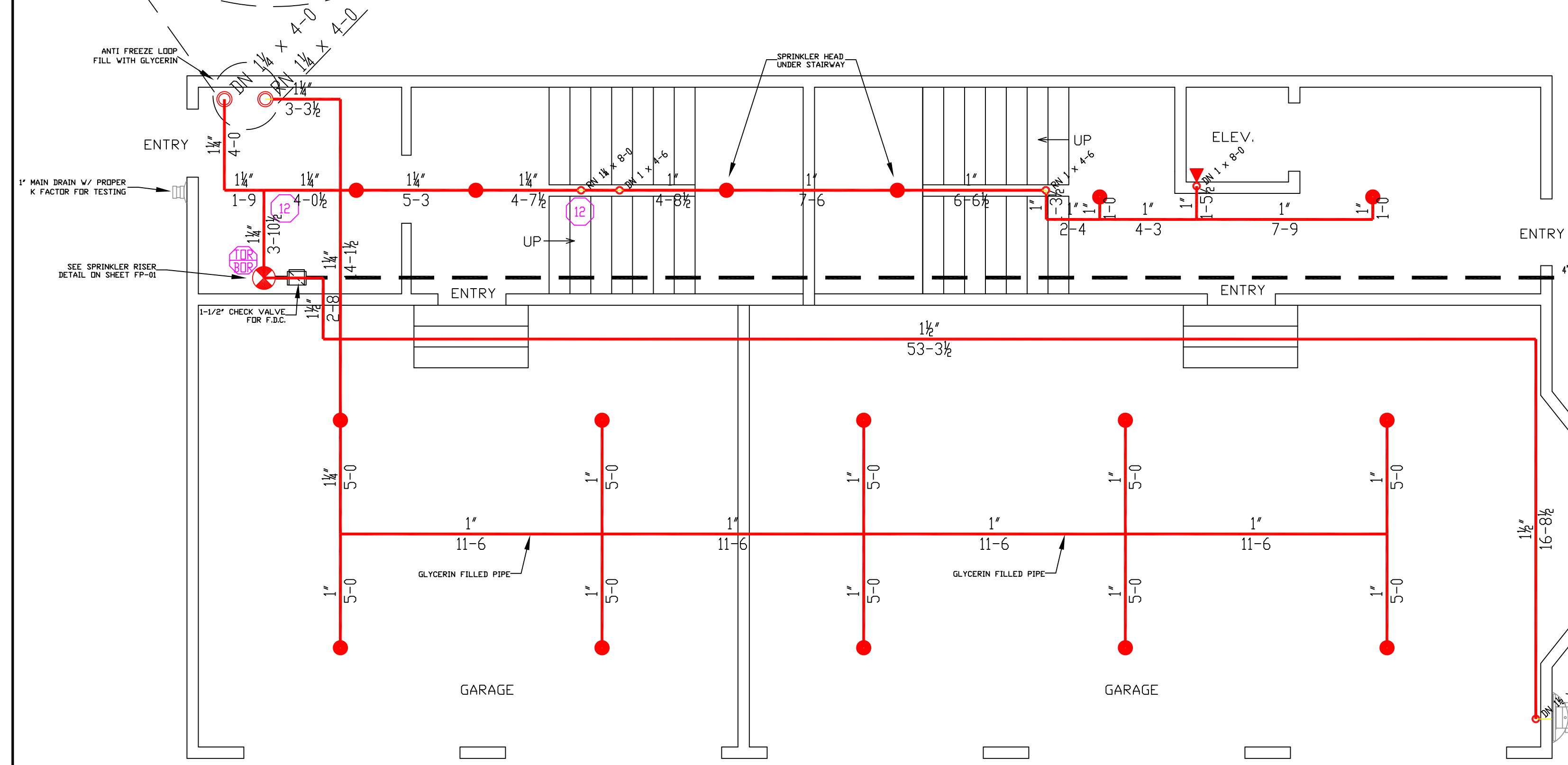


CROSS SECTION DETAIL
 SCALE: N.T.S.

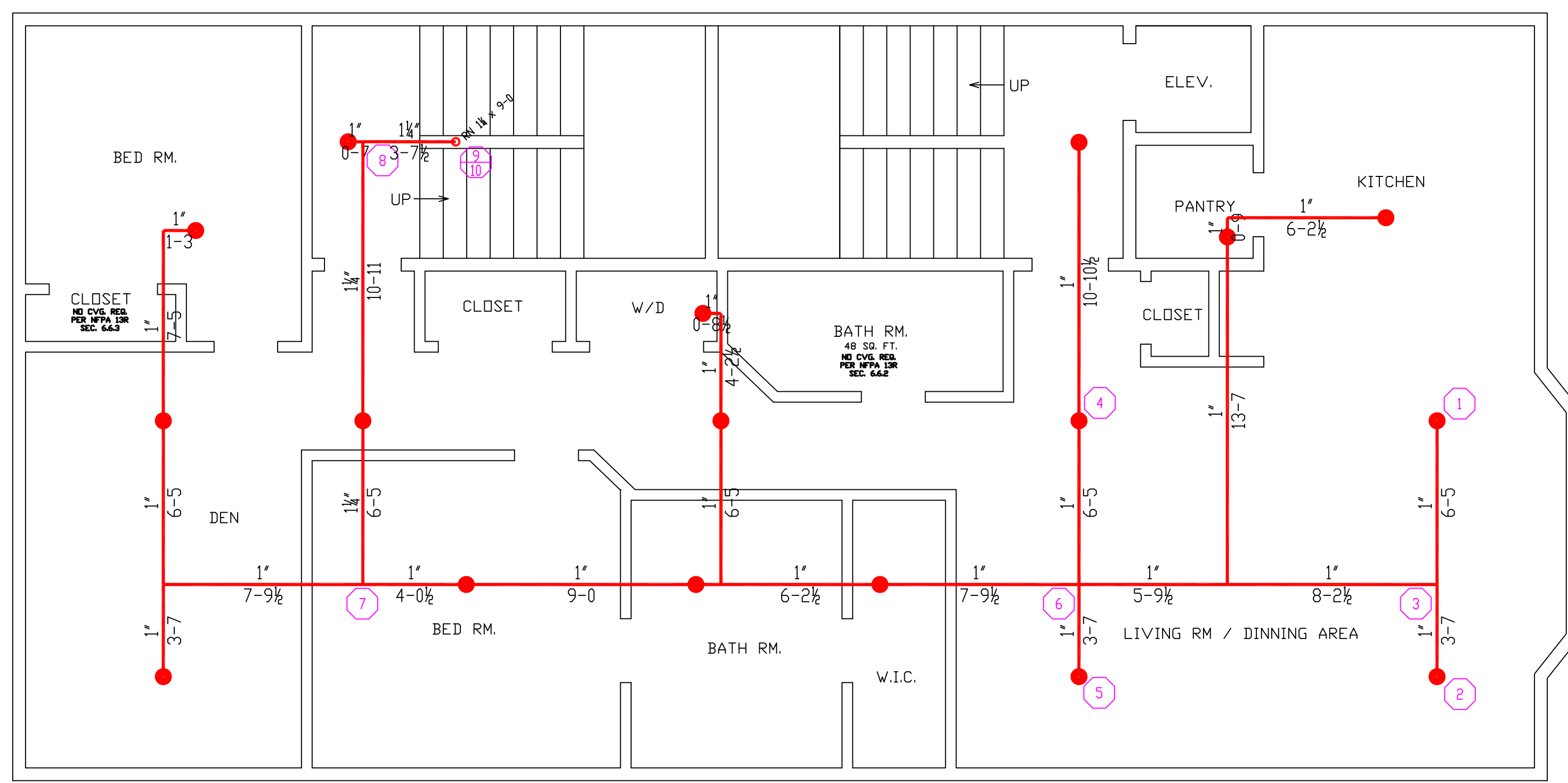
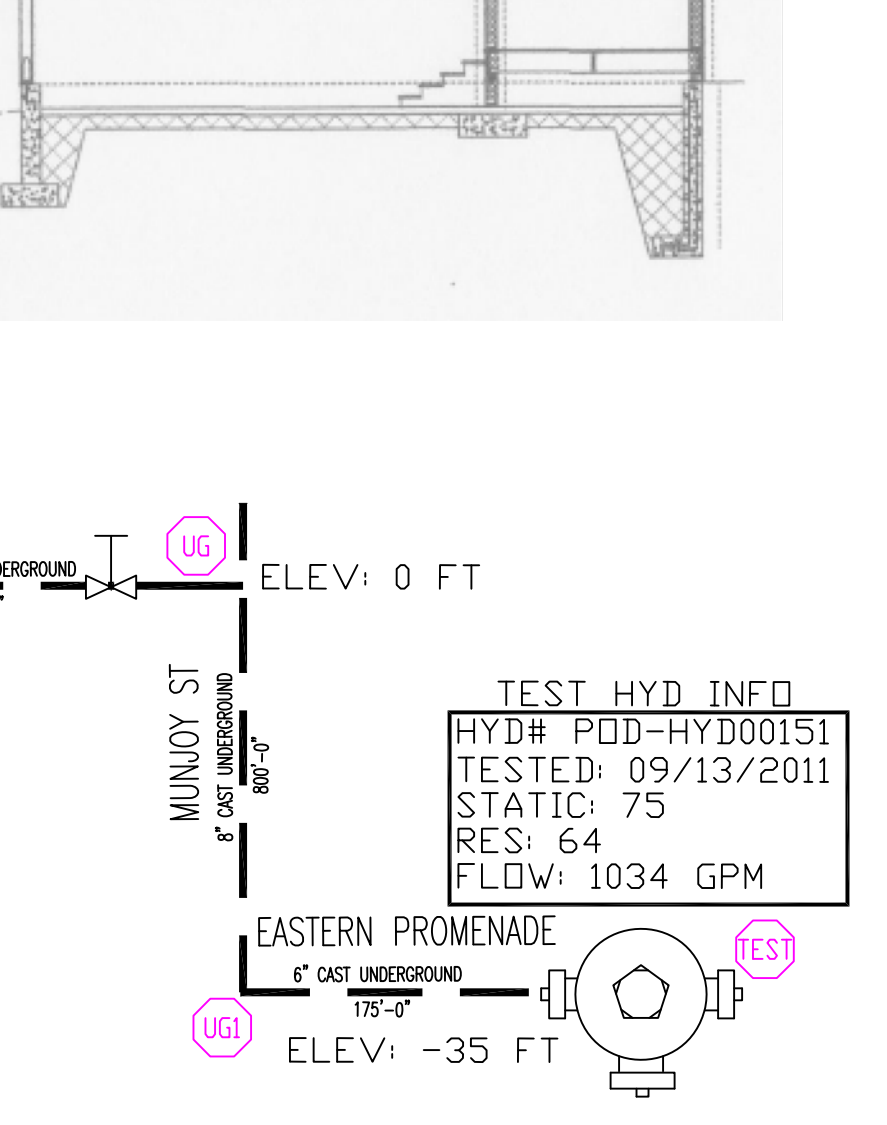
DESIGN AREA CALC
HYD. DESIGN CRITERIA
 (NFPA 13R SPRINKLER SYS. WET)
 LOCATION= 4TH FLOOR LIVING/ DINING/ KITCHEN
 HAZARD CLASSIFICATION: LIGHT
 DENSITY= 0.05 GRAMS/SQ.FT.
 AREA OF OPERATION= 460 SQ. FT.
 HOSE DEMAND: 0 GPM
 NO. OF SPRINKLERS= 4 MOST DEMANDING
 SYSTEM DEMAND (INCLUDING HOSE) @
 BASE OF RISER= 55.5-GPM @ 64.0-PSI
 SAFETY MARGIN= 10-PSI



RISER DETAIL
 SCALE: N.T.S.



1ST FLOOR PLAN
 TOTAL PROTECTED AREA 1,790 SQ.FT.
 SCALE 1/4" = 1'-0"



2ND FLOOR PLAN
 TOTAL PROTECTED AREA 1,790 SQ.FT.
 SCALE 1/4" = 1'-0"

REVISIONS:		
NO.	DATE	DESCRIPTION:
SPECIAL APPLICATIONS:		
NO.	DESCRIPTION:	

SPRINKLER HEAD DESCRIPTION:	
RELIABLE RFC-49 WHITE CONCEALED PENDENT 18" X 18" SPACING MAX 8" MAX FROM HEAD TO WALL	
RELIABLE F1FR56 WHITE SIDEWALL 1" TEMP. RATED	
MAX 2'-0" ABOVE ELEV. PIT FLOOR	

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:
 72 MUNJOY ST.
 APARTMENT BUILDING

NFPA 13R
 SPRINKLER SYSTEM

Scale: 1/4" = 1'-0"
 Drawn by: TIMOTHY FORTIN
 RMS # 866
 NICET LEVEL III CERT. # 122193

Date: APRIL 6, 2016

Approval by:
 Local Fire Dept.
 State Of Maine

LOCATION:
 72 MUNJOY 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.