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.

OWNER OR BUILDING CONTRACTOR SHALL INSULATE SPRINKLER PIPING SO THAT IT WILL NOT BE EXPOSED TO ANY COLD AIR. SEE BELOW FOR THE RECOMMENDED WAY TO INSULATE THE SPRINKLER PIPE PER NFPA

INSULATION DETAIL
SCALE: N.T.S.

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

SITE PLAN
SCALE: N.T.S.

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

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

CROSS SECTION DETAIL
SCALE: N.T.S.

RISER 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= .05 GPM/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 64.9-PSI
SAFETY MARGIN= 10-PSI

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

TEST HYD INFO
HYD# POD-HYD00151
TESTED: 09/13/2011
STATIC: 75
RES: 64
FLOW: 1034 GPM

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

REVISION
NO. DA

Reviewed for Code Compliance Inspections Division Approved with Conditions
Date: 05/31/16

SPECIAL APPLICATIONS:
NO. DESCRIPTION:

SPRINKLER HEAD DESCRIPTION:

RELIABLE RFC-49
WHITE CONCEALED PENDENT
16' X 16' SPACING MAX
8' MAX FROM HEAD TO WALL

QTY.	TEMP	K-FACT
67	165°	4.9

RELIABLE F1FR56
WHITE SIDEWALL

QTY.	TEMP	K-FACT
1	200°	5.6

MAX 2'-0" ABOVE ELEV. PIT FLOOR

LEGEND:
- SYSTEM RISER
- IN PIPE RISER UP
- DN PIPE RISER DOWN
- A 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 #905

Project:
72 MUNJOY ST.
APARTMENT BUILDING

NFPA 13R
SPRINKLER SYSTEM

Scale: 1/8 0 1/2 1 2 4
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 MAYBE 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.