Date: 06/17/15

DESIGN AREA NUMBER 1

HYDRAULIC DESIGN CRITERIA
LOCATION= NOTHERN LOFT TYPE OF SYSTEM=NFPA 13 WET AREA OF OPERATION= 515-SQFT. NUMBER OF SPRINKLERS=4 DENSITY=.1 W/ HOSE DEMAND OF 100 GPM HAZARD CLASS=LIGHT HAZARD HEAD SPACING= 240 SQFT.
SYSTEM DEMAND INCLUDING HOSE @ BASE OF RISER= 214-GPM 90-PSI SAFETY MARGIN= 11-PSI

DESIGN AREA NUMBER 2

HYDRAULIC DESIGN CRITERIA
LOCATION= SOUTHERN LOFT TYPE OF SYSTEM=NFPA 13 WET AREA OF OPERATION= 650-SQFT. NUMBER OF SPRINKLERS=9 DENSITY=.1 W/ HOSE DEMAND OF 100 GPM HAZARD CLASS=LIGHT HAZARD HEAD SPACING= 196 SQFT.
SYSTEM DEMAND INCLUDING HOSE @ BASE OF RISER= 277-GPM 88-PSI SAFETY MARGIN= 13-PSI

THIRD FLOOR LOFTS

SCALE- 3/16"= 1'-0"
TOTAL PROTECTED AREA = 1,400 SQFT

SIDEWALL DEFLECTORS 4" TO 6" BELOW CEILING

HEAD DETAIL

PLOT PLAN

SCALE: N.T.S

THIRD FLOOR

SCALE - 3/16"= 1'-0"
TOTAL PROTECTED AREA = 1,850 SQFT

SECTION DETAIL "A"

SCALE = N.T.S.

HIGH TECH FIRE PROTECTION
P.O. BOX 156
MINOT, ME. 04258-0258
TEL:(207) 998-2551 FAX:(207) 998-4187
MAINE LICENSE # 102

GENERAL CONTRACTOR ON RECORD:
LANDRY & FRENCH
RANDY MARTIN
219-0680

SPECIAL APPLICATIONS:

NO.	DESCRIPTION:
1.	FIRE CAULK WALL PENETRATION WHERE REQUIRED TO MEET BUILDING SPECIFIC RATINGS.

LEGEND:
- RN PIPE RISER UP
- DN PIPE RISER DOWN
- PROPOSED STEEL
- SYSTEM RISER
- HYDRAULIC CALC. POINT

DESIGN NOTES:

ALL PIPING 1 1/2" & LARGER TO BE SCHEDULE 10 WITH GROOVED FITTINGS.

ALL PIPING 1 1/4" & SMALLER TO BE SCHEDULE 40 WITH APPROPRIATE FITTINGS.

POSITION, LOCATION, SPACING, AND USE OF SPRINKLERS SHALL BE IN ACCORDANCE WITH NFPA 13.

POSITION, LOCATION, SPACING, AND USE OF HANGERS SHALL BE IN ACCORDANCE WITH NFPA 13.

HYDRAULIC CALCULATION PROCEDURES HAVE BEEN DONE IN ACCORDANCE WITH NFPA 13. (SEE PLANS FOR LOCATION OF REMOTE AREAS, HYDRAULIC REFERENCE POINTS, AND SYSTEM DEMANDS.)

HIGH TECH FIRE PROTECTION IS TO BEGIN WORK AT 2 1/2" EXISTING FEED INSIDE OF BUILDING.

DIMENSIONS AND LOCATIONS GIVEN FOR SPRINKLER HEADS AND PIPE MAY VARY TO ACCOMMODATE ACTUAL FIELD CONDITIONS.

OWNER TO PROVIDE ADEQUATE HEAT THROUGHOUT BUILDING TO PREVENT WATER FILLED PIPING AND EQUIPMENT FROM FREEZING TEMPERATURES.

ALL MECHANICAL, ELECTRICAL AND PLUMBING TRADES TO COORDINATE THEIR WORK WITH SPRINKLER CONTRACTOR.

ALL ELECTRIC WORK IS TO BE DONE BY OTHERS.

HEAD LEGEND:

GLOBE MODEL GL5601
2 /155°
K=5.6
1/2" WHITE PENDENT
MAX SPACING 10X12

GLOBE MODEL GL5615
6 /200°
K=5.6
1/2" BRASS UPRIGHT
DEFLECTORS 1" TO 12" BELOW NON-COMBUSTIBLE CEILINGS
12X12 MAX SPACING

GLOBE MODEL GL5626
27 /200°
K=5.6
1/2" HORIZONTAL SIDEWALL
DEFLECTORS 4" TO 6" BELOW NON-COMBUSTIBLE CEILINGS
14X14 MAX SPACING

TYCO* MODEL BB3
4 /212°
K=5.6
1/2" BACK TO BACK
ATTIC HEAD ON THE LINE
(40' SPAN 8/12 PITCH)
DEFLECTORS 16" TO 22" BELOW PEAK

OR APPROVED EQUAL

TOTAL HEADS ON THIS SHEET 39

SCALE:
SCALE 3/16"=1'-0"

REVISIONS:
NO. DATE: DESCRIPTION:

DATE: MAY 22, 2015
DESIGNER: ED PENNELL
CHECKED BY: E.POULIN / J.FOSS
NICET LEVEL: RMS808 III 126801

LOCATION:
420 FORE STREET
PORTLAND, ME

DRAWING TITLE:
420 FORE STREET
THIRD FLOOR
AND LOFTS

FIRE PROTECTION PLAN
(NFPA 13 2010ed.)

DRAWING NO.:
FP-02