

**Table 23.7.2.2.1 Light Hazard Pipe Schedules**

Steel		Copper	
1 in. (25 mm)	2 sprinklers	1 in. (25 mm)	2 sprinklers
1 1/4 in. (32 mm)	3 sprinklers	1 1/4 in. (32 mm)	3 sprinklers
1 1/2 in. (40 mm)	5 sprinklers	1 1/2 in. (40 mm)	5 sprinklers
2 in. (50 mm)	10 sprinklers	2 in. (50 mm)	12 sprinklers
2 1/2 in. (65 mm)	30 sprinklers	2 1/2 in. (65 mm)	40 sprinklers
3 in. (80 mm)	60 sprinklers	3 in. (80 mm)	65 sprinklers
3 1/2 in. (90 mm)	100 sprinklers	3 1/2 in. (90 mm)	115 sprinklers
4 in. (100 mm)	See Section 8.2	4 in. (100 mm)	See Section 8.2

**Table 23.7.3.4 Ordinary Hazard Pipe Schedule**

Steel		Copper	
1 in. (25 mm)	2 sprinklers	1 in. (25 mm)	2 sprinklers
1 1/4 in. (32 mm)	3 sprinklers	1 1/4 in. (32 mm)	3 sprinklers
1 1/2 in. (40 mm)	5 sprinklers	1 1/2 in. (40 mm)	5 sprinklers
2 in. (50 mm)	10 sprinklers	2 in. (50 mm)	12 sprinklers
2 1/2 in. (65 mm)	20 sprinklers	2 1/2 in. (65 mm)	25 sprinklers
3 in. (80 mm)	40 sprinklers	3 in. (80 mm)	45 sprinklers
3 1/2 in. (90 mm)	65 sprinklers	3 1/2 in. (90 mm)	75 sprinklers
4 in. (100 mm)	100 sprinklers	4 in. (100 mm)	115 sprinklers
5 in. (125 mm)	160 sprinklers	5 in. (125 mm)	180 sprinklers
6 in. (150 mm)	275 sprinklers	6 in. (150 mm)	300 sprinklers
8 in. (200 mm)	See Section 8.2	8 in. (200 mm)	See Section 8.2

TEST HYDRANT PROJECT SITE



PLOT DETAIL  
SCALE: NOT TO SCALE



**BASEMENT**

TOTAL PROTECTED AREA 8,000 SQ.FT.  
SCALE 1/8" = 1'-0"

\*HATCHED AREAS ARE OUTSIDE OF SCOPE\*

**FIRST FLOOR**

TOTAL PROTECTED AREA 19,400 SQ.FT.  
SCALE 1/8" = 1'-0"

\*HATCHED AREAS ARE OUTSIDE OF SCOPE\*

**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:  
DWIGHT NORTON  
LANDRY FRENCH CONSTRUCTION

SCALE: 1/8" = 1'-0"

REVISIONS:  
NO. DATE DESCRIPTION:

LEGEND:

- R/W/DN PIPE RISER UP OR DOWN
- EXISTING OUTLET
- WET PIPE — CPVC PIPE
- DRY PIPE
- ⊕ SYSTEM RISER
- PIPE PITCH 1/4" MAINS 1/2" LINES
- SWAY BRACING
- ⊙ HYDRAULIC CALC. POINT

DESIGN & SYSTEM NOTES:

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. THIS IS A RERWORK OF AN EXISTING PIPE SCHEDULE SYSTEM THAT HAS NOT BEEN HYDRAULICALLY CALCULATED. HIGH TECH FIRE PROTECTION IS TO BEGIN WORK AT EXISTING OUTLETS. DIMENSIONS AND LOCATIONS GIVEN FOR SPRINKLER HEADS AND PIPE MAY VARY TO ACCOMMODATE ACTUAL FIELD CONDITIONS. OWNER TO PROVIDE ADEQUATE HEAT THROUGHOUT BUILDING TO PROTECT WATER FILLED PIPING AND EQUIPMENT FROM FREEZING TEMPERATURES. ALL ELECTRIC WORK IS TO BE DONE BY OTHERS.

DESIGN & SYSTEM NOTES CONTINUED:

ONLY TRI-SEAL TYPE COUPLINGS TO BE INSTALLED ON DRY AND OR PRE-ACTION SYSTEMS. OWNER IS RESPONSIBLE TO MAINTAIN THE SPRINKLER SYSTEM IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 25, "INSPECTION, TESTING & MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS" AND/OR ALL APPLICABLE FEDERAL, STATE, AND/OR LOCAL LAWS, CODES AND ORDINANCES. ALL MECHANICAL, ELECTRICAL AND PLUMBING TRADES TO COORDINATE THEIR WORK WITH SPRINKLER CONTRACTOR.

HEAD LEGEND:

- EXISTING 1/2" BRASS UPRIGHT (96 / 165" K=5.6)
- EXISTING 1/2" PENDENT (15 / 155" K=5.6)
- SEMI-RECESSED
- EXISTING 1/2" SIDEWALL (1 / 155" K=5.6)
- BOTTOM OF ELEVATOR GLOBE GL5601 (185 / 155" K=5.6)
- WHITE SEMI-RECESSED 1/2" PENDENT (196 SOFT IN LIGHT HAZARD) (100 SOFT IN ORDINARY HAZARD)
- GLOBE GL5615 (2 / 155" K=5.6)
- 1/2" BRASS UPRIGHT (196 SOFT IN LIGHT HAZARD) (100 SOFT IN ORDINARY HAZARD)

\*OR APPROVED EQUAL\*

TOTAL HEADS ON THIS SHEET: 299

SPECIAL APPLICATIONS:

THIS IS A RERWORK OF AN EXISTING SYSTEM TO ACCOMMODATE NEW WALLS AND CEILINGS.

DATE: JUNE 15, 2017  
DESIGNER: ED PENNELL  
CHECKED BY: J.FOSS / E.POULIN  
NICET LEVEL: III 126801 RMS808

LOCATION:  
185 LANCASTER STREET  
PORTLAND ME, 04101

DRAWING TITLE:  
BAXTER ACADEMY  
BASEMENT / 1ST RENO  
(NFPA 13 2016ed.)

DRAWING NO.:  
FP-01