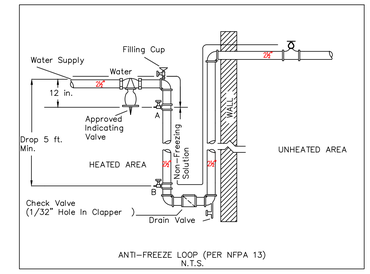
- GLYCERINE (ANTI-FREEZE) IS TO BE USED FOR THE EXISTING SPRINKLER SYSTEM IN THE UNHEATED ROOF SPACE. REFERENCE SPRINKLER PIPING KEY NOTE #1, SHEET PP103
- ANTI-FREEZE IS TO BE PREMIXED FOR USE IN SPRINKLER SYSTEMS (48% GLYCERINE).
- A PLACARD SHALL BE PLACED ON THE ANTI-FREEZE SYSTEM MAIN VALVE THAT INDICATES THE MANUFACTURE TYPE AND BRAND OF ANTI-FREEZE SOLUTION, THE CONCENTRATION BY VOLUME OF THE ANTI-FREEZE SOLUTION USED, AND THE VOLUME OF THE ANTI-FREEZE SOLUTION USED IN THE SYSTEM.
- THE FREEZE POINT OF THE ANTI-FREEZE SOLUTION IS TO 15° BELOW ZERO. (-15°F)
- THE OWNER IS RESPONSIBLE FOR MAINTAINING THIS LEVEL OF PROTECTION THROUGH REGULAR MAINTENANCE IN ACCORDANCE WITH THE STATE FIRE MARSHAL REQUIREMENTS AND N.F.P.A. 25.
- THE SIZE OF THE ANTI-FREEZE SYSTEM IS 60 GALLONS.



ANTI-FREEZE LOOP (PER NFPA 13)
N.T.S.

UPPER LEVEL SPRINKLER PLAN

SCALE: 1/8" = 1'-0"
FINISH FLOOR ELEV. 119.58'

RENOVATION | ADDITION

COORDINATION BETWEEN LIGHTING AND SPRINKLER HEADS IS NECESSARY IN THIS CEILING.

COORDINATION BETWEEN LIGHTING AND SPRINKLER HEADS IS NECESSARY. CEILING TILES ARE NOT SHOWN ON THE SLOPE THAT THEY ARE ON. SPRINKLER HEADS MUST SPRAY BY EXPOSED STEEL BEAMS AND BE 18" AWAY FROM PENDENT LIGHTS. MINIMUM DISTANCE BETWEEN SPRINKLER HEADS IS 6'-0". MAXIMUM DISTANCE BETWEEN SPRINKLER HEADS IS 15'-0".

LINES IN THIS AREA ARE RUNNING THRU HOLES IN STEEL ROOF STRUCTURE PROVIDED BY OTHERS

AREA 1
.10/1325
+100

UPPER LEVEL CLASSROOMS

HYDRAULIC DATA NAMEPLATE

This Building is protected by a hydraulically designed Automatic Sprinkler System

Location AREA-1
No. of Sprinkler 14
Basis of design
1. Density .10 gpm/ft²
2. Design area of discharge 1325 ft²
System Demand
1. Water Flow Rate @ Base 226.147 GPM
2. Residual Pressure @ Base 48.503 PSI
CUSHION = 5.186 psi

MOST REMOTE

BUILDING SECTION

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

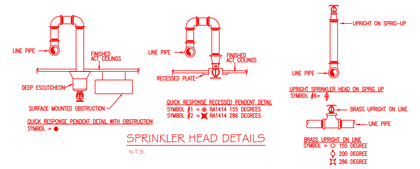
RENOVATION | ADDITION

TOP OF ROOF, FOUNDERS, VIF EL. + 172' - 11 1/4"
TOP OF FIN. FLOOR FOUNDERS, VIF EL. + 143' - 9"
TOP OF FIN. FLOOR FOUNDERS, VIF EL. + 136' - 1/8" VIF
TOP OF FIN. FLOOR EL. + 134' - 9 5/8" VIF

WOOD TRUSS
WOOD RAFTERS
WOOD JOIST
WOOD FLOOR
CONCRETE FLOOR
STEEL BEAM
METAL DECK
CONCRETE FLOOR
OWB OVER METAL STUD

4-5 CLASSROOM 215C
TOILET 219
STAIR S4-2
4-5 CLASSROOMS 215
UPPER LOBBY 215
STAIR S1-2
ELEV A
STAIR S3-2
SHARED CLASSROOM 211
STAIR S4-1
CLOSET 117A
COTS 117B
EC CLASSROOMS 114
EC ENTRY 113
LOBBY 101
STAIR S1-1
ELEV A
STAIR S3-1
LIBRARY COMMONS 120A
STORAGE E001
IT HALL E018
STORAGE C 012
STORAGE B 010
ELEV A
CORRIDOR 009
INNOVATION SPACE 017B

SPRINKLER HEAD DETAILS



SUBMITTAL COPY
SEE SPRINKLER HEAD DETAILS

SPRINKLER HEAD LEGEND

#	SYMBOL	MAKE	MODEL	SIN	FINISH	TYPE	TEMP	NPT	ORIFICE	K-FACTOR	TOTAL
1	⊕	RELIABLE	F1FR 56	RA1414	WHITE/ BRONZE	SEMI-REC PENDENT	155° F	1/2"	1/2"	5.6	298
2	✕	RELIABLE	F1FR 56	RA1414	WHITE	SEMI-REC PENDENT	286° F	1/2"	1/2"	5.6	1
3	◇	RELIABLE	F1FR 56	RA1425	BRONZE	UPRIGHT	200° F	1/2"	1/2"	5.6	52
4	◀	RELIABLE	F1FR 56	RA1435	BRONZE	HDRI2 SIDEWALL	200° F	1/2"	1/2"	5.6	1
5		VICTAULIC	VS1	V3506	BRONZE	DRY FLEX PENDENT	200° F	1"	1/2"	5.6	1
6		SPRIG-UP HEAD	#3								
7											
8											
									TOTAL →		353

LICENSE# 093 442
R.M.S.#
PERMIT # ????

SPRINKLER SYSTEMS INC.
P.O. BOX 1285
LEWISTON MAINE
04243-1285

WAYNFLETE LOWER SCHOOL

360 SPRING STREET
PORTLAND, MAINE 04101

CONTRACT WITH WRIGHT-RYAN CONSTRUCTION

SYSTEM TYPE	REVISIONS		
WET ■	NO.	DATE	DESCRIPTION
DRY □			
DELUGE □			
PREACTION □			
ME. LIFE □			
HYDRO-PRO □			

SCALE	AS NOTED
DRAWN BY	JJP
CHECKED BY	CDS
DATE	06/13/2017
TOTAL SPKRS ON JOB	353
SHEET#	3 of 3
JOB#	17058