QUICK RESPONSE PENDENT DETAIL WITH OBSTRUCTION
SYMBOL = ●

UPRIGHT SPRINKLER HEAD ON SPRIG UP
SYMBOL = 200 DEGREE

GENERAL NOTES:

- IT IS THE BUILDING OWNERS RESPONSIBILITY TO PROVIDE ADEQUATE HEAT FOR ALL AREAS IN THE BUILDING PROTECTED BY WET SPRINKLER SYSTEMS AND FOR ALL WATER FILLED SUPPLY PIPES, VALVES AND SYSTEM RISERS IN ALL DRY PIPE SPRINKLER SYSTEMS.
- ALL NEW PIPING IS TO BE HYDROSTATICALLY TESTED AT NOT LESS THAN 200 PSI FOR 2 HOURS, OR AT 50 PSI IN EXCESS OF THE MAXIMUM PRESSURE, WHEN THE MAXIMUM PRESSURE TO BE MAINTAINED IS IN EXCESS OF 150 PSI. (PER NFPA 13)
- WHETHER OR NOT INDICATED ON DRAWINGS, THE FOLLOWING ITEMS ARE TO BE PROVIDED:
  . SPARE HEAD CABINET WITH WRENCH (NFPA 13).
  . PROVISIONS FOR FLUSHING CONNECTIONS AND DRAINING OF ALL PIPE.
  . INSPECTORS TEST CONNECTION SHALL BE PROVIDED FOR EACH SYSTEM
    A) FOR WET PIPE SYSTEMS SEE NFPA 13)
    B) FOR DRY PIPE SYSTEMS SEE NFPA 13)
  . AIR PRESSURE SHALL BE MAINTAINED ON ALL DRY PIPE SYSTEMS BY AN APPROVED AUTOMATIC AIR COMPRESSOR OR PLANT AIR SYSTEM SPECIFICALLY APPROVED FOR AND CAPABLE OF AUTOMATICALLY MAINTAINING THE REQUIRED AIR PRESSURE.
  . GRIDDED WET PIPE SYSTEMS SHALL BE PROVIDED WITH A RELIEF VALVE NOT LESS THAN 1/4" IN SIZE. (NFPA 13).
- ALL PIPE 1" SHALL BE SCHEDULE 40 STEEL WITH MALLEABLE IRON FITTINGS.
- ALL PIPE 1¼" AND LARGER, SHALL BE SCHEDULE 10 STEEL, WITH GROOVED COUPLINGS AND VICTAULIC" MECHANICAL FITTINGS OR EQUIVALENT.
- ALL MECHANICAL TRADES ARE TO COORDINATE THEIR WORK WITH SPRINKLER WORK AS SHOWN ON THESE PLANS.
- ALL HANGERS AND LOCATIONS ARE TO BE IN ACCORDANCE WITH N.F.P.A. 13.
- ALL SPRINKLER HEADS IN SUSPENDED CEILING TILES ARE TO BE LOCATED IN THE CENTER OF THE ACOUSTICAL CEILING PANEL.
- ALL PIPING IS TO BE PITCHED IN ACCORDANCE WITH N.F.P.A. 13.
- HYDRAULIC DATA REFERENCE POINTS: (25)
- CENTER LINE OF PIPE ABOVE FINISH FLOOR: VARIES
- PROTECTIVE CAPS ARE TO REMAIN ON THE SPRINKLER HEADS UNTIL AFTER CEILINGS ARE INSTALLED.
- WHERE SURFACE MOUNTED OBSTRUCTIONS EXIST DEEP ESCUTCHEON SPRINKLER HEADS WILL BE INSTALLED.
- WORK IS LIMITED TO THE WORK SHOWN ON THESE DOCUMENTS.

Reviewed for Code Compliance
Inspection Services Division
Approved with Conditions
Date: 11/19/15

HYDRAULIC DATA NAMEPLATE

This Building is protected by a hydraulically designed Automatic Sprinkler System

Location	AREA 1
No. of Sprinkler	12
Basis of design	
1. Density	.15 GPM/FT²
2. Design area of discharge	1125 FT²
System Demand	
1. Water Flow Rate @ Base	252.30 GPM
2. Residual Pressure @ Base	86.813 PSI
CUSHION	43.308 PSI

HYDRAULIC DATA NAMEPLATE

This Building is protected by a hydraulically designed Automatic Sprinkler System

Location	AREA 2
No. of Sprinkler	9
Basis of design	
1. Density	.15 GPM/FT²
2. Design area of discharge	ENTIRE FT²
System Demand	
1. Water Flow Rate @ Base	182.95 GPM
2. Residual Pressure @ Base	78.003 PSI
CUSHION	54.914 PSI

Fin. Flr. Elev.@ 186'-0"
Scale: 1/4" = 1'

SECTION 1 DETAIL
Scale: 1/4"=1'

STANDPIPE DETAIL: UP FROM MECH. ROOM
Scale: NTS

AREA ABOVE FILTER ROOMS
Scale: 1/4"=1'

SUBMITTAL COPY

1. Type of Hazard	LIGHT	2. Deflector Distance	PER SPEC
2. Pipe Type Used	BLK SCH 40/10	4. Sprinkler Area	PER SPEC
5. Type of Construction	NON-COMBUSTIBLE		
6. Maximum Spacing Allowed	PER NFPA 13		

7. PIPE SIZING METHOD: PIPE SCHEDULE ☐
HYDRAULICALLY CALCULATED ■

8. ALL HANGERS AND LOCATIONS TO BE IN ACCORDANCE WITH NF.P.A. PAMPHLET NO. 13

9. HIGH DEGREE TEMPERATURE SPRINKLER HEADS TO BE INSTALLED IN ACCORDANCE WITH NF.P.A. PAMPHLET NO. 13

HANGER DETAILS
N.T.S.

HANGERS
AS SHOWN IN DETAIL

ABBREVIATIONS	
B	Bottom of Beam
D	Bottom of Deck
P	Bottom of Pipe
HV	Hose Valve
N & C	Nipple and Cap
NIC	Not In Contract
NTS	Not to Scale
OBJ	Open Bar Joists
PRV	Pressure Red Valve
RM	Roof Manifold
SP	Standpipe
TOB	Top of Beam
TOP	Top of Pipe
TOS	Top of Steel
UON	Unless Otherwise Noted
CL	Centerline
NAS	No Automatic Sprinklers
OTA	Open to Above

CONTRACT RESPONSIBILITIES		
ITEM	FPC	OTHERS
STREET CONN		●
UGD MAIN		●
EXCAVATION		●
FLUSHING		●
WIRING		●
PAINTING		●
TAMPER SWITCHES	●	
FLOW SWITCHES	●	
STREET CONN		●

SPRINKLER HEAD LEGEND

SYMBOL	MAKE	MODEL	SIN	FINISH	TYPE	TEMP	NPT	ORIFICE	K-FACTOR	TOTAL
	RELIABLE	F1FR	RA1414	WHITE	PENDENT	155° F	1/2"	1/2"	5.6	1
	RELIABLE	F1FR	RA1425	BRONZE	UPRIGHT	200° F	1/2"	1/2"	5.6	44
									TOTAL →	45

SUBMITTALS		
SENT TO		
DATE SENT	09/15/15	DATE RECEIVED
I S O		
F M		
L M		
I R I		
L A		
STATE FIRE	●	
LOCAL FIRE		
LOCAL WATER		
OWNER	●	

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

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

3 CANAL PLAZA Mech. Pent.

3 CANAL PLAZA
PORTLAND, MAINE

CONTRACT WITH: EAST BROWN COW

SYSTEM TYPE	
WET	■
DRY	■
DELUGE	☐
PREACTION	☐
ME. LIFE	☐
HYDRO-PRO	☐

REVISIONS		
NO.	DATE	DESCRIPTION

SCALE	AS NOTED
DRAWN BY	JMC
CHECKED BY	SEG
DATE	09/15/2015
TOTAL SPKRS ON JOB	45
SHEET#	1 of 2
JOB#	15100