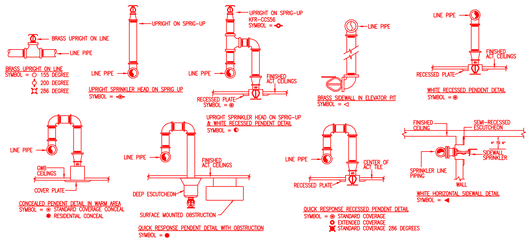
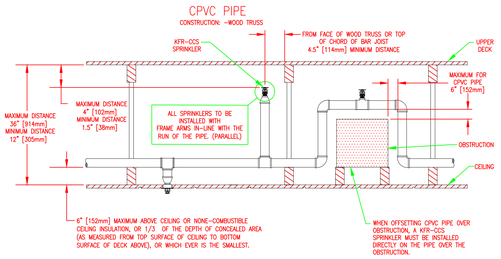
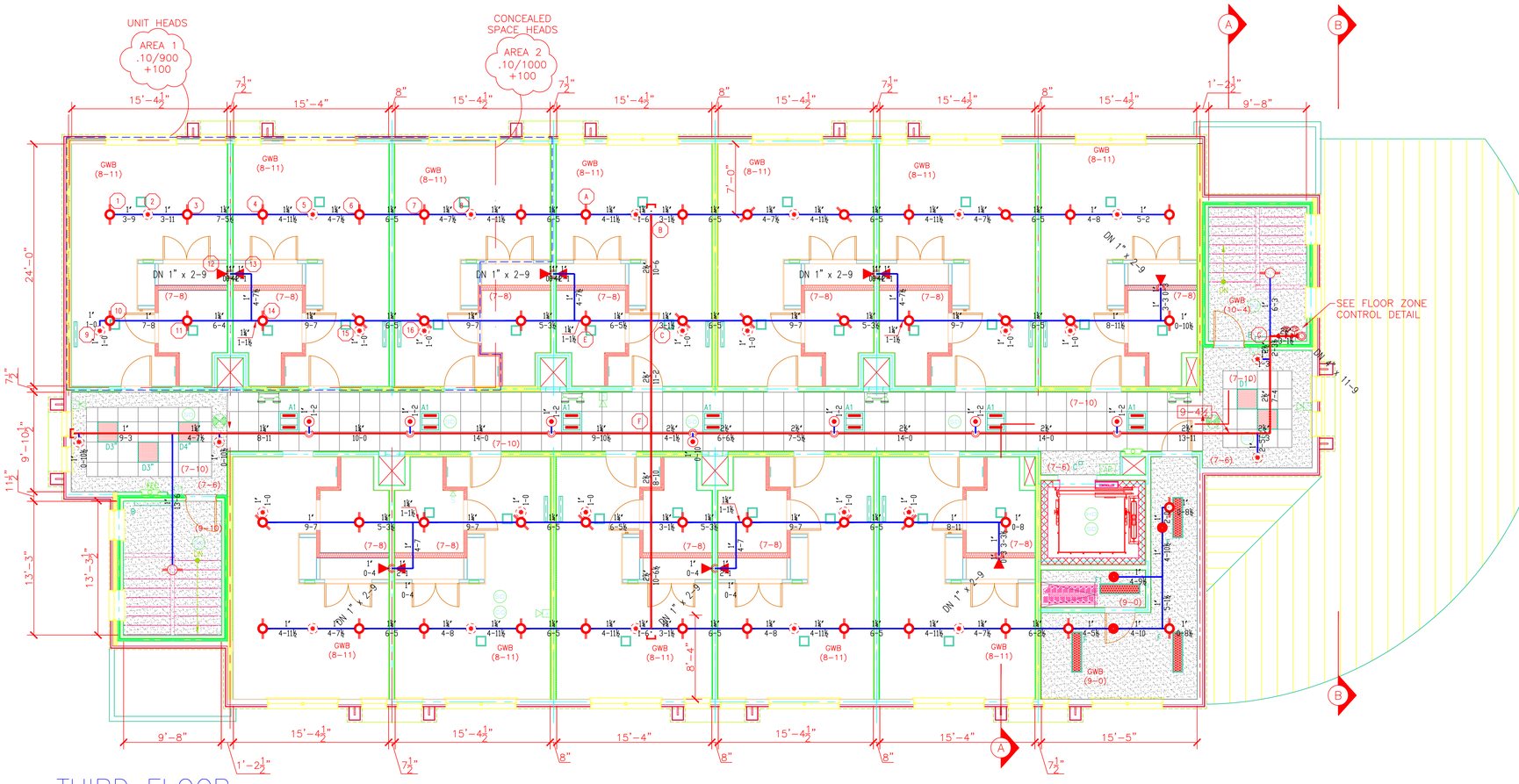
3rd FLOOR APARTMENT	3rd FLOOR CONCEALED SPACE	1st FLOOR COMMON AREA	1st FLOOR MECHANICAL ROOM
HYDRAULIC DATA NAMEPLATE	HYDRAULIC DATA NAMEPLATE	HYDRAULIC DATA NAMEPLATE	HYDRAULIC DATA NAMEPLATE
This Building is protected by a hydraulically designed Automatic Sprinkler System	This Building is protected by a hydraulically designed Automatic Sprinkler System	This Building is protected by a hydraulically designed Automatic Sprinkler System	This Building is protected by a hydraulically designed Automatic Sprinkler System
Location AREA–1	Location AREA–2	Location AREA–3	Location AREA–4
No. of Sprinkler 8	No. of Sprinkler 10	No. of Sprinkler 15	No. of Sprinkler 4
Basis of design	Basis of design	Basis of design	Basis of design
1. Density .10 gpm/ft²	1. Density .10 gpm/ft²	1. Density .10 gpm/ft²	1. Density .20 gpm/ft²
2. Design area of discharge 900 ft²	2. Design area of discharge 1000 ft²	2. Design area of discharge LARGE ROOM ft²	2. Design area of discharge ENTIRE ft²
System Demand	System Demand	System Demand	System Demand
1. Water Flow Rate	1. Water Flow Rate	1. Water Flow Rate	1. Water Flow Rate
❶ Base 147.573 gpm	❶ Base 157.504 gpm	❶ Base 340.600 gpm	❶ Base 74.393 gpm
2. Residual Pressure	2. Residual Pressure	2. Residual Pressure	2. Residual Pressure
❶ Base 52.991 psi	❶ Base 51.733 psi	❶ Base 55.048 psi	❶ Base 26.505 psi
CUSHION = 12.156 psi	CUSHION = 13.314 psi	CUSHION = 7.848 psi	CUSHION = 37.883 psi
NOT MOST REMOTE	NOT MOST REMOTE	MOST REMOTE	NOT MOST REMOTE



SPRINKLER HEAD DETAILS

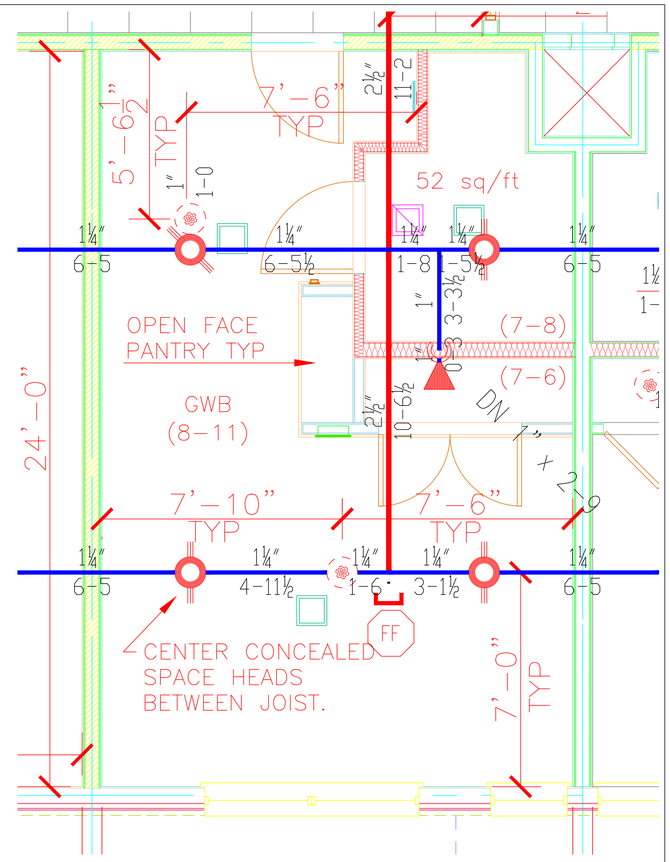
N.T.S.





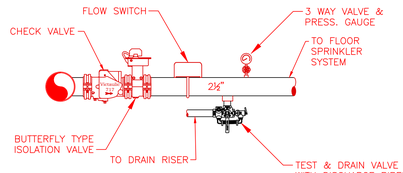
THIRD FLOOR SPRINKLER PLAN

SCALE: 3/16" = 1'–0"
FINISH FLOOR ELEV. 122.04'



TYPICAL UNIT SPRINKLER LAYOUT

SCCALE ½" = 1'–0"



FLOOR ZONE CONTROL DETAIL

NOT TO SCALE

SUBMITTAL COPY

SPRINKLER HEAD LEGEND

SYMBOL	MAKE	MODEL	SIN	FINISH	TYPE	TEMP	NPT	ORIFICE	K–FACTOR	TOTAL
	RELIABLE	F1FR 56	RA1414	WHITE	SEMI–REC PENDENT	155° F	1/2"	1/2"	5.6	37
	RELIABLE	F1FR 56	RA1414	WHITE	SEMI–REC PENDENT	200° F	1/2"	1/2"	5.6	4
	RELIABLE	F1FR 56	RA1414	WHITE	PENDENT	155° F	1/2"	1/2"	5.6	7
	RELIABLE	G5 56	RA3415	WHITE	CONCEAL	165° F	1/2"	1/2"	5.6	97
	RELIABLE	F1FR 56	RA1425	BRONZE	UPRIGHT	200° F	1/2"	1/2"	5.6	11
	RELIABLE	KFR–CCS	RA4454	BRONZE	UPRIGHT	212° F	1/2"	1/2"	5.6	153
	RELIABLE	F1FR 56	RA1435	WHITE	HORIZ SIDEWALL	155° F	1/2"	1/2"	5.6	30
	RELIABLE	F1FR 56	RA1435	BRONZE	HORIZ SIDEWALL	200° F	1/2"	1/2"	5.6	1
									TOTAL	340

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

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

5 4 3 2 1 0 5 10 15 20

72 BISHOP STREET APARTMENT
PORTLAND, MAINE 04101
CONTRACT WITH GREAT FALLS

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

SCALE AS NOTED
DRAWN BY JJP
CHECKED BY CDS
DATE 05/15/2016
TOTAL SPKRS ON JOB 340
SHEET# 3 of 3
JOB# 16049