



HYDRAULIC DESIGN DATA	
System # & Area	#1 - 1st Floor
No. of Sprinklers	9
Density	0.05 GPM
Design Area	KCQM
Domestic Allowance	50 GPM
Water Flow Rate	93 GPM
Residual Pressure at Base of Riser	65 PSI
Safety Factor of Riser	1.02 PSI

SECOND FLOOR FIRE PROTECTION

THIRD FLOOR FIRE PROTECTION

REVISIONS	NOTES
1	K-4.9 FRODOX SPRINKLER CHANGE 8/28/16
2	K-4.4 STEEL SPRINKLER CHANGE 8/28/16

SPRINKLER TYPE	IDENTIFICATION NO.	MFG.	ESC.	MODEL	FINISH	ORIFICE	TEMP.	SYMBOL	QUANT.
QUICK RESP. FRODOX K-4.9	TV2234	TYCO	SEMI-REC.	LFI1	WHITE	1/2"	155°	⊙	8
QUICK RESP. STEEL K-4.4	TV2324	TYCO	2 PIECE	LFI1	WHITE	1/2"	155°	⊙	27
QUICK RESP. STEEL K-4.4	TV2325	TYCO	N/A	LFI1	BRASS	1/2"	155°	▲	1

STANDARD SYMBOLS	
⊙	POST INDICATOR VALVE
▲	KEY VALVE
⊙	FIRE HOBRANT
⊙	FIRE DEPT. CONNECTION
⊙	O.S. & Y GATE VALVE
⊙	SWING CHECK VALVE
⊙	NEW UNDERGROUND
⊙	EXIST UNDERGROUND

STANDARD SYMBOLS	
⊙	ALARM CHECK VALVE
⊙	RSBR W/ALARM VALVE
⊙	RSBR W/DRY VALVE
⊙	RSBR W/ELEC. FLOW SWITCH
⊙	RSBR W/RELUC. VALVE
⊙	WATER MOTOR BELL
⊙	ELECTRIC BELL
⊙	FRESH FIRE DEPT. CONNECTION

INSPECTIONS	
1.	
2.	
3.	
4.	

519 CUMBERLAND AVENUE
 PORTLAND, MAINE 04101

FIRE PROTECTION PLAN

FREEDOM FIRE PROTECTION, INC.
 209 QUAKER RIDGE ROAD
 CASCO, MAINE 04015

JOB No.	M0146
DATE	11/5/13
DRAWN BY	MAN
SCALE	AS NOTED
SHEET No.	FP-30f3