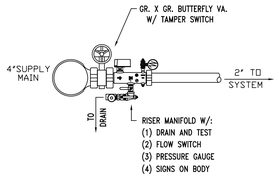
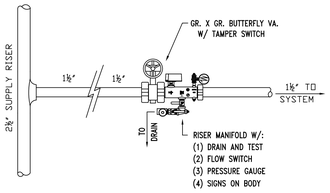
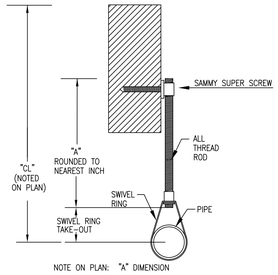


BASEMENT CONTROL VALVE

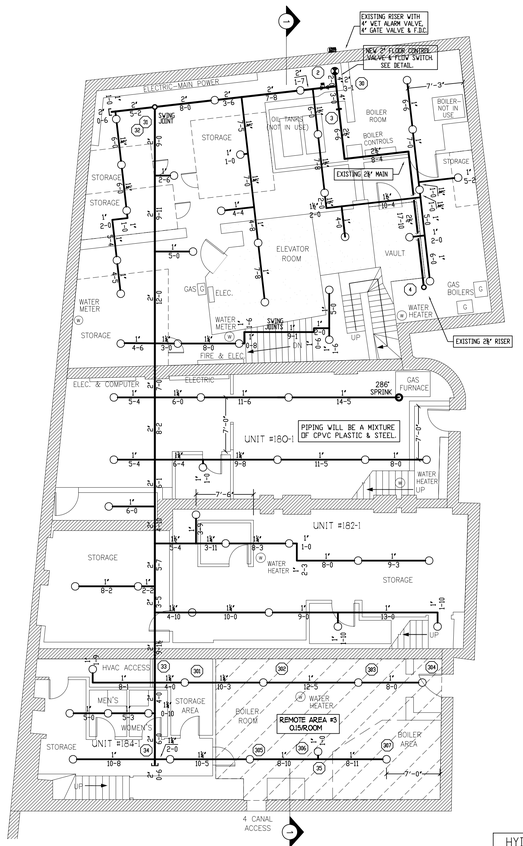


1ST & 2ND FLOOR CONTROL VALVES



NOTE ON PLAN: "A" DIMENSION
PIPE SIZES 1" THROUGH 4" – ROD SIZE 3/8"
PIPE SIZES 5" THROUGH 8" – ROD SIZE 1/2"

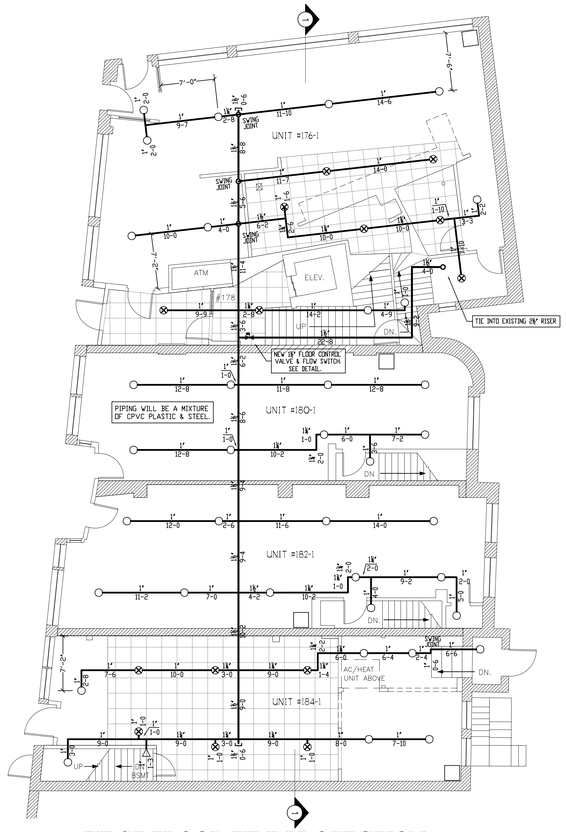
TYPE #10 HANGER



BASEMENT FIRE PROTECTION

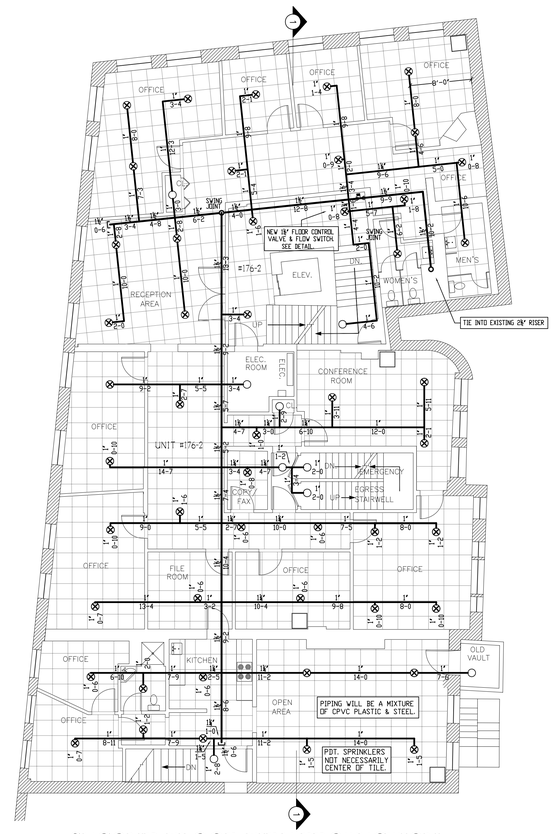
SCALE 1/8"=1'-0"
QUANTITY ○ = 66
QUANTITY ⊙ = 1

HYDRAULIC DESIGN DATA	
System # & Area	#1 - #3
No. of Sprinklers	7
Density	0.15 GPM
Designed Area	ROOM
Hose Allowance	250 GPM
Water Flow Rate	407 GPM
Residual Pressure at Base of Riser	52 PSI
Safety Factor at Base of Riser	21.65 PSI



FIRST FLOOR FIRE PROTECTION

SCALE 1/8"=1'-0"
QUANTITY ⊙ = 14
QUANTITY ○ = 51
QUANTITY ◁ = 1



SECOND FLOOR FIRE PROTECTION

SCALE 1/8"=1'-0"
QUANTITY ⊙ = 49
QUANTITY ○ = 57

⊗ = UPRIGHT WITH PENDANT BELOW.

REVISIONS	NOTES
	K=5.6 UPRIGHT & PENDANT SPRINKLER COVERAGE: 15'X15'
	K=5.6 SIDEWALL SPRINKLER COVERAGE: 14'X14'

HEAD COUNT

SPRINKLER TYPE	IDENTIFICATION NO.	MFG.	ESC.	MODEL	FINISH	ORIFICE	TEMP.	SYMBOL	QUANT.
QUICK RESP. PENDANT K= 5.6	TY3231	TYCO	N/A	TY-FRB	WHITE	1/2"	155°	⊙	63
QUICK RESP. UPRIGHT K= 5.6	TY3131	TYCO	N/A	TY-FRB	BRASS	1/2"	155°	○	174
QUICK RESP. UPRIGHT K= 5.6	TY3131	TYCO	N/A	TY-FRB	BRASS	1/2"	286°	⊙	1
QUICK RESP. SIDEWALL K= 5.6	TY 3331	TYCO	N/A	TY-FRB	WHITE	1/2"	155°	◁	1
TOTAL SPRINKLERS THIS DRAWING									239

STANDARD SYMBOLS

	– POST INDICATOR VALVE
	– KEY VALVE
	– FIRE HYDRANT
	– FIRE DEPT. CONNECTION
	– O.S. & Y GATE VALVE
	– SWING CHECK VALVE
	– NEW UNDERGROUND
	– EXIST UNDERGROUND

STANDARD SYMBOLS

	– ALARM CHECK VALVE
	– RISER W/ALARM VALVE
	– RISER W/DRY VALVE
	– RISER W/ELEC. FLOW SWITCH
	– RISER W/DELUGE VALVE
	– WATER MOTOR BELL
	– ELECTRIC BELL
	– FLUSH FIRE DEPT. CONNECTION

INSPECTIONS	
1.	
2.	
3.	
4.	
5.	
RESPONSIBLE MANAGING SUPERVISOR #348	
CONTRACTOR LICENSE #295	

178 MIDDLE STREET
PORTLAND, MAINE 04101

FIRE PROTECTION PLAN

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

JOB No.	M0103
DATE	1/7/13
DRAWN BY	MJN
SCALE	AS NOTED
SHEET No.	FP-2of3