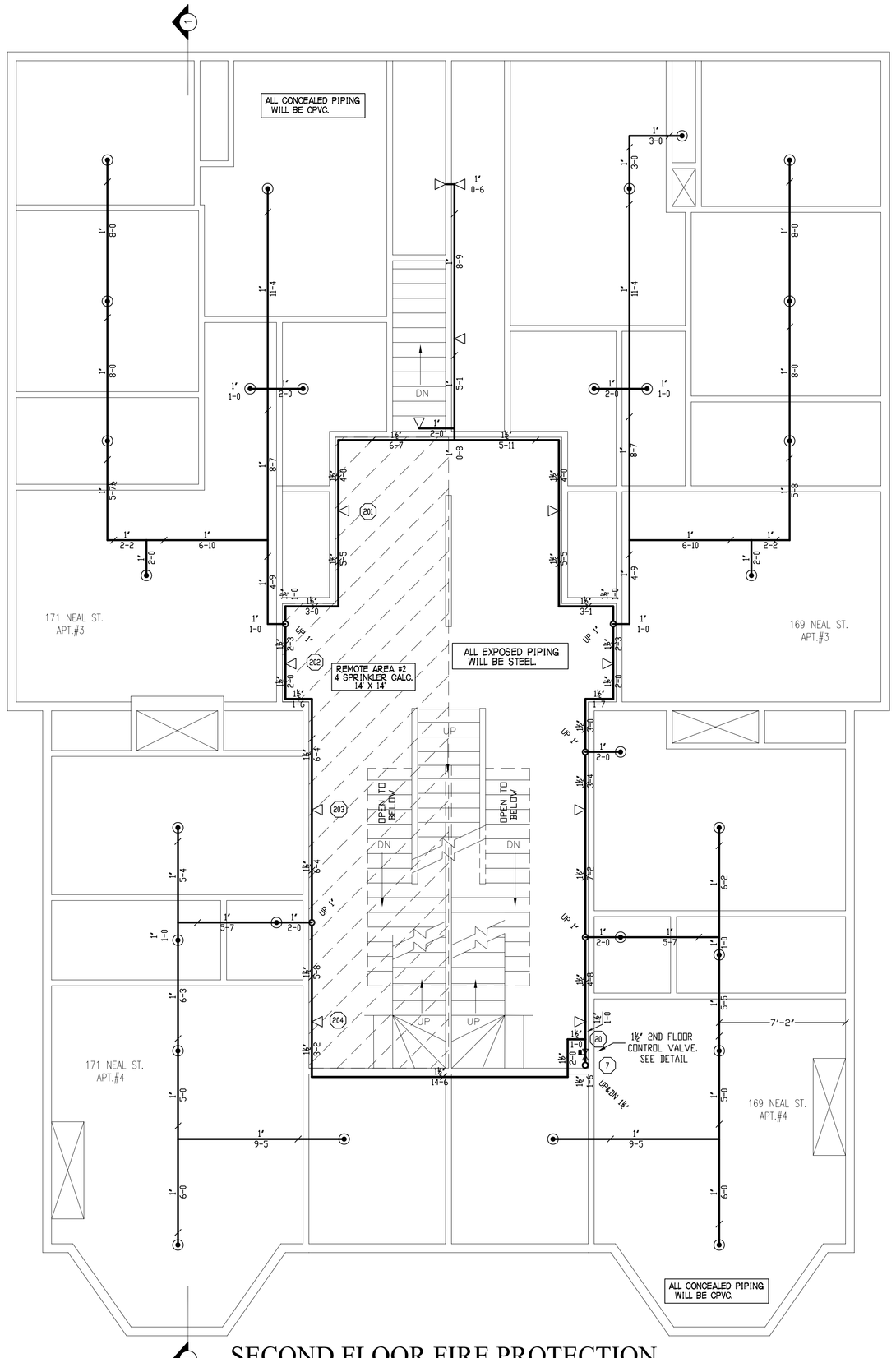
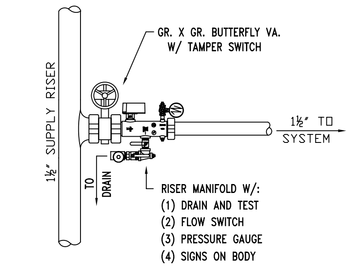


SECOND FLOOR FIRE PROTECTION

SCALE 1/4"=1'-0"

QUANTITY ⊙= 28
QUANTITY ◁= 12

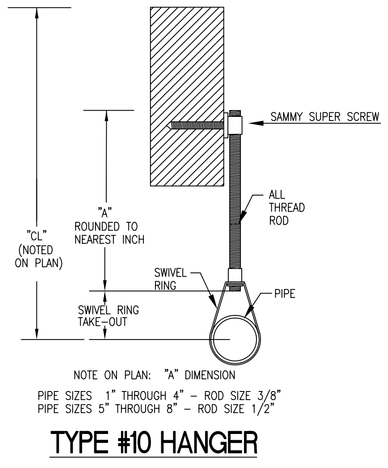
HYDRAULIC DESIGN DATA		
System # & Area	#1 - #2 2ND FLOOR	
No. of Sprinklers	4	
Density	0.05	GPM
Designed Area	ROOM	
Hose Allowance	N/A	GPM
Water Flow Rate	56	GPM
Residual Pressure at Base of Riser	49	PSI
Safety Factor at Base of Riser	6.09	PSI



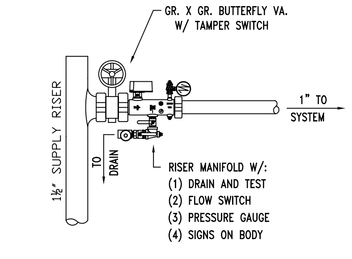
SECOND FLOOR CONTROL VALVE

HYDRAULIC DESIGN DATA		
System # & Area	#1 - #3 3RD FLOOR	
No. of Sprinklers	2	
Density	0.05	GPM
Designed Area	ROOM	
Hose Allowance	N/A	GPM
Water Flow Rate	26	GPM
Residual Pressure at Base of Riser	47	PSI
Safety Factor at Base of Riser	8.07	PSI

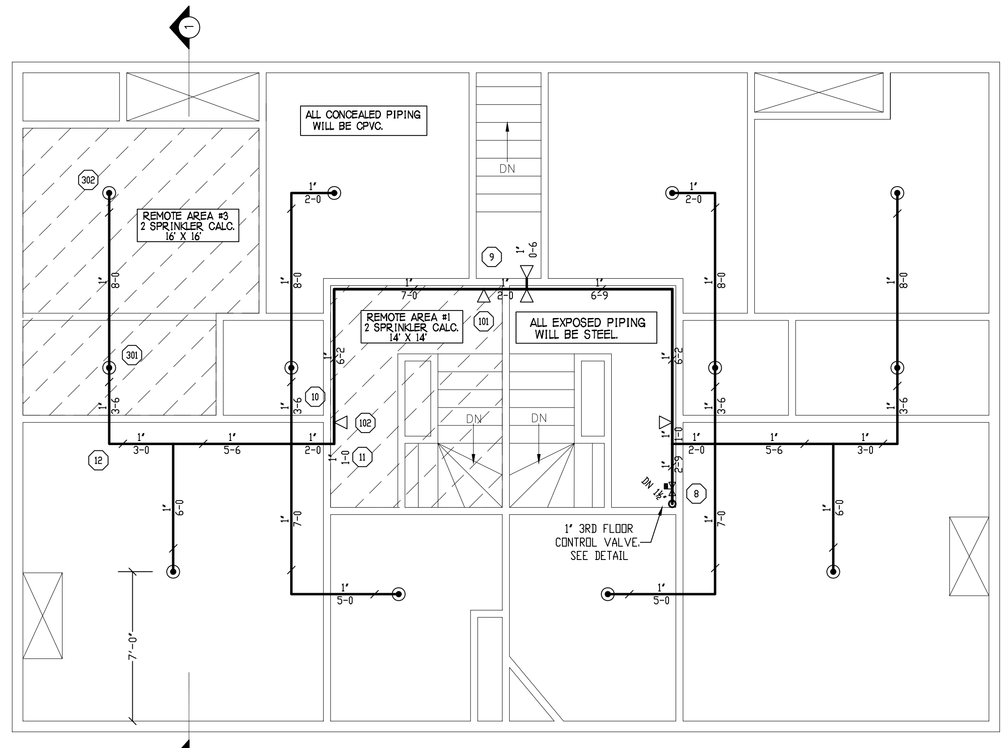
HYDRAULIC DESIGN DATA		
System # & Area	#1 - #1 3RD FLOOR	
No. of Sprinklers	2	
Density	0.05	GPM
Designed Area	ROOM	
Hose Allowance	N/A	GPM
Water Flow Rate	29	GPM
Residual Pressure at Base of Riser	45	PSI
Safety Factor at Base of Riser	9.78	PSI



TYPE #10 HANGER



THIRD FLOOR CONTROL VALVE



THIRD FLOOR FIRE PROTECTION

SCALE 1/4"=1'-0"

QUANTITY ⊙= 12
QUANTITY ◁= 5

REVISIONS

NOTES
K=4.9 PENDANT SPRINKLER COVERAGE: 16'X16'
K=4.4 SIDEWALL SPRINKLER COVERAGE: 14'X14'

HEAD COUNT									
SPRINKLER TYPE	IDENTIFICATION NO.	MFG.	ESC.	MODEL	FINISH	ORIFICE	TEMP.	SYMBOL	QUANT.
QUICK RESP. PENDANT K= 4.9	TY2234	TYCO	SEMI-REC.	LFII	BRASS	1/2"	155°	⊙	40
QUICK RESP. SIDEWALL K= 4.4	TY2334	TYCO	2 PIECE	LFII	WHITE	1/2"	155°	◁	17
TOTAL SPRINKLERS THIS DRAWING									57

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	

171 & 169 NEAL STREET
PORTLAND, MAINE 04102

FIRE PROTECTION PLAN

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

JOB No.	M0101
DATE	12/13/12
DRAWN BY	MJN
SCALE	AS NOTED
SHEET No.	FP-3of3