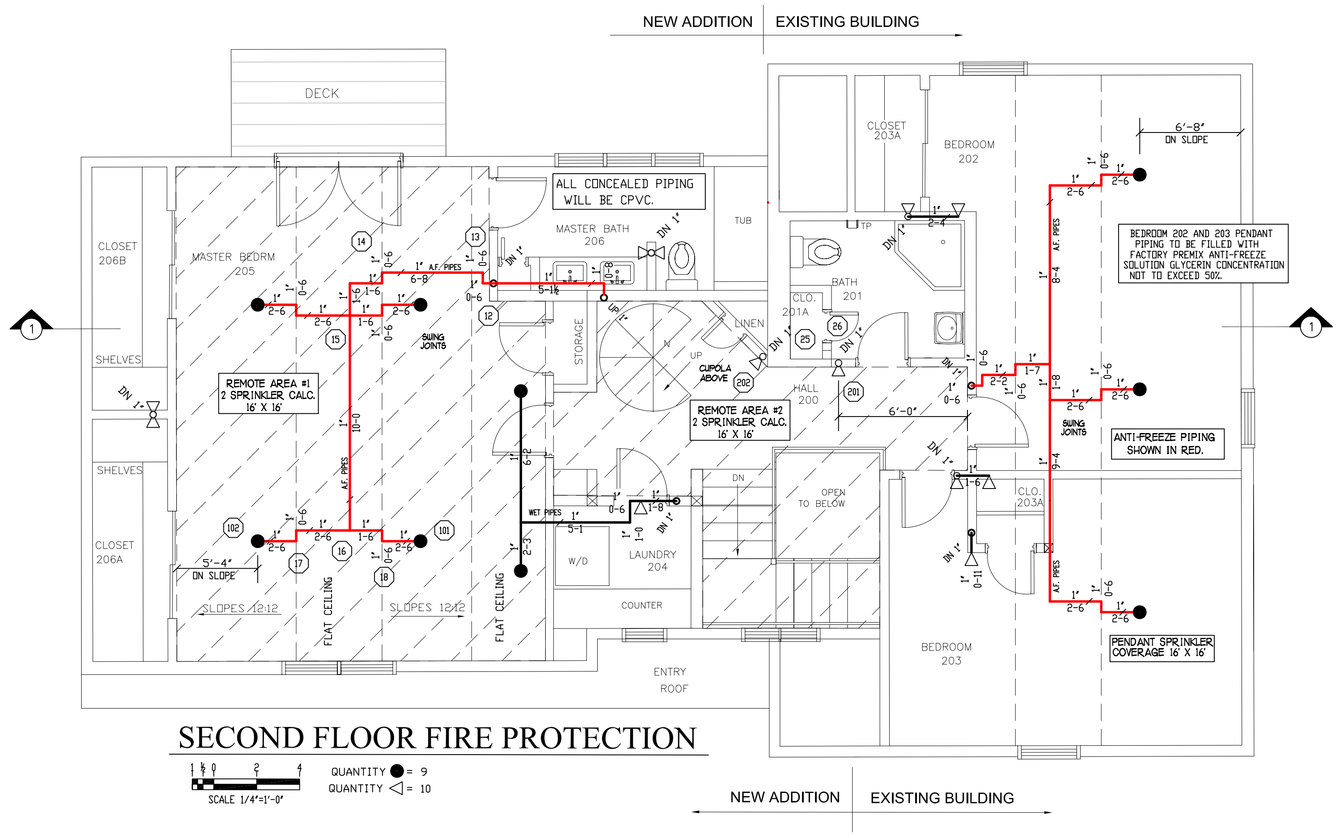
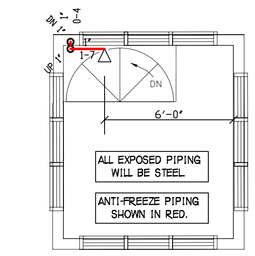


SECOND FLOOR FIRE PROTECTION

SCALE 1/4"=1'-0"

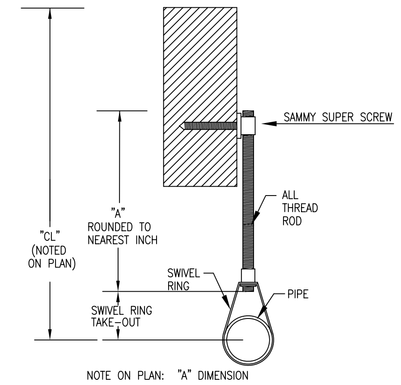
QUANTITY ● = 9
QUANTITY ◁ = 10



CUPOLA FIRE PROTECTION

SCALE 1/4"=1'-0"

QUANTITY ◁ = 1



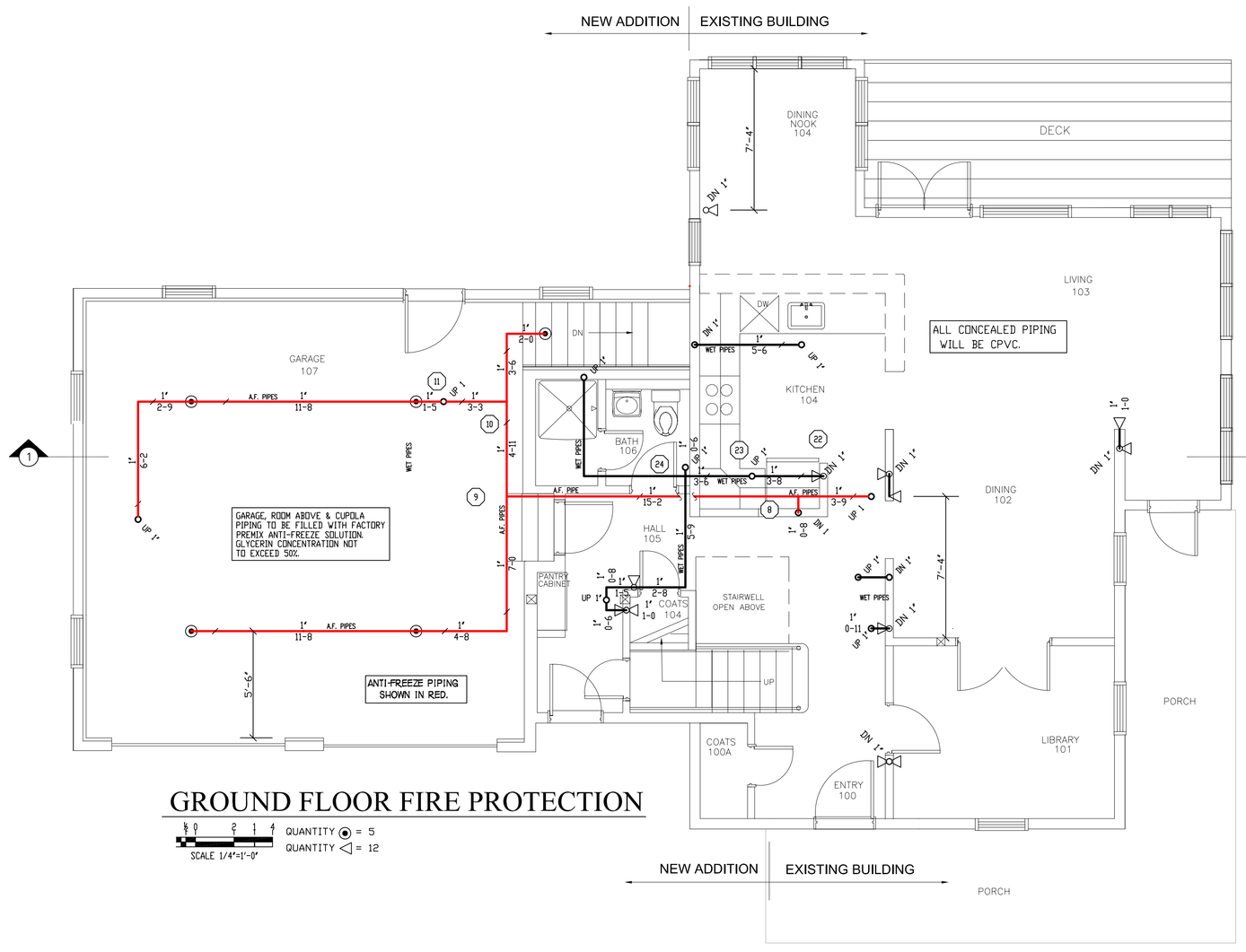
NOTE ON PLAN: "A" DIMENSION
PIPE SIZES 1" THROUGH 4" – ROD SIZE 3/8"
PIPE SIZES 5" THROUGH 8" – ROD SIZE 1/2"

TYPE #10 HANGER

NO SCALE

HYDRAULIC DESIGN	
SYSTEM	AREA #1 2ND FLOOR
SPRINKLERS CALCULATED	2 SPRINKLERS
SPRINKLER DENSITY REQ'D	0.05 GPM
AREA OF DISCHARGE	2 SPRINKLERS
HOSE ALLOWANCE	N/A
SPRINKLER SYSTEM DEMAND @ TEST PT	32 GPM
RESIDUAL PRESSURE @ TEST PT	74 PSI
SAFETY FACTOR @ BOR	26.74 PSI

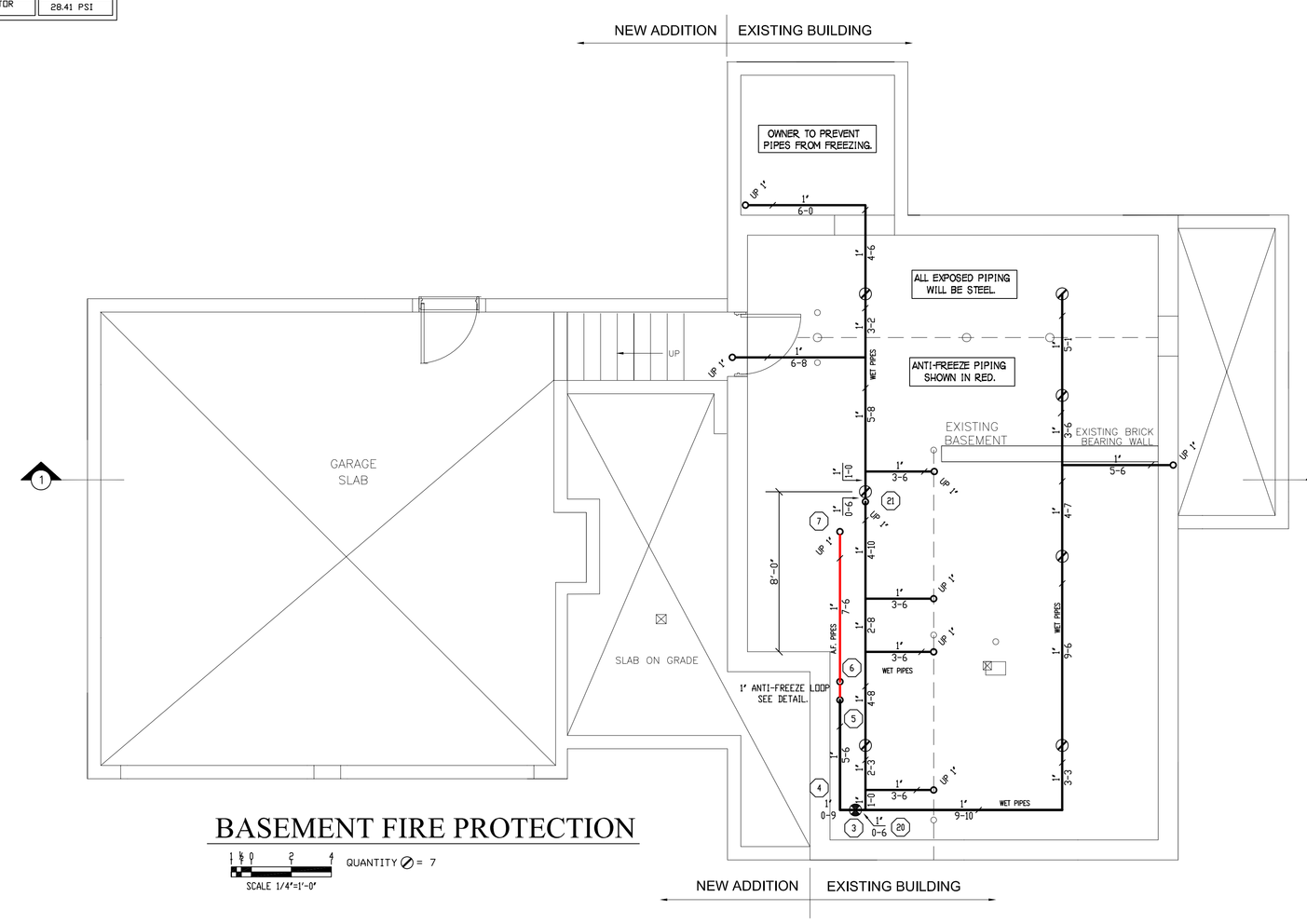
HYDRAULIC DESIGN	
SYSTEM	AREA #1 2ND FLOOR
SPRINKLERS CALCULATED	2 SPRINKLERS
SPRINKLER DENSITY REQ'D	0.05 GPM
AREA OF DISCHARGE	2 SPRINKLERS
HOSE ALLOWANCE	N/A
SPRINKLER SYSTEM DEMAND @ TEST PT	26 GPM
RESIDUAL PRESSURE @ TEST PT	73 PSI
SAFETY FACTOR @ BOR	28.41 PSI



GROUND FLOOR FIRE PROTECTION

SCALE 1/4"=1'-0"

QUANTITY ◉ = 5
QUANTITY ◁ = 12



BASEMENT FIRE PROTECTION

SCALE 1/4"=1'-0"

QUANTITY ⊘ = 7

REVISIONS	NOTES

HEAD COUNT

SPRINKLER TYPE	IDENTIFICATION NO.	MFG.	ESC.	MODEL	FINISH	ORIFICE	TEMP.	SYMBOL	QUANT.
QUICK RESP. PENDANT K= 4.9	TY2524	TYCO	CONCEALED	LFII	WHITE	1/2"	155°	●	9
QUICK RESP. PENDANT K= 4.9	TY2234	TYCO	N/A	LFII	BRASS	1/2"	155°	⊘	7
QUICK RESP. PENDANT K= 4.9	TY2234	TYCO	SEMI-REC	LFII	WHITE	1/2"	155°	◉	5
QUICK RESP. SIDEWALL K= 4.4	TY2334	TYCO	2 PIECE	LFII	WHITE	1/2"	155°	◁	23
TOTAL SPRINKLERS THIS DRAWING									44

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.

NADEAU STOVER RESIDENCE
23 OREGON STREET
PORTLAND, MAINE 04103

FIRE PROTECTION PLAN

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

JOB No.	M0089
DATE	9/10/12
DRAWN BY	MJN
SCALE	AS NOTED
SHEET No.	FP-2of2