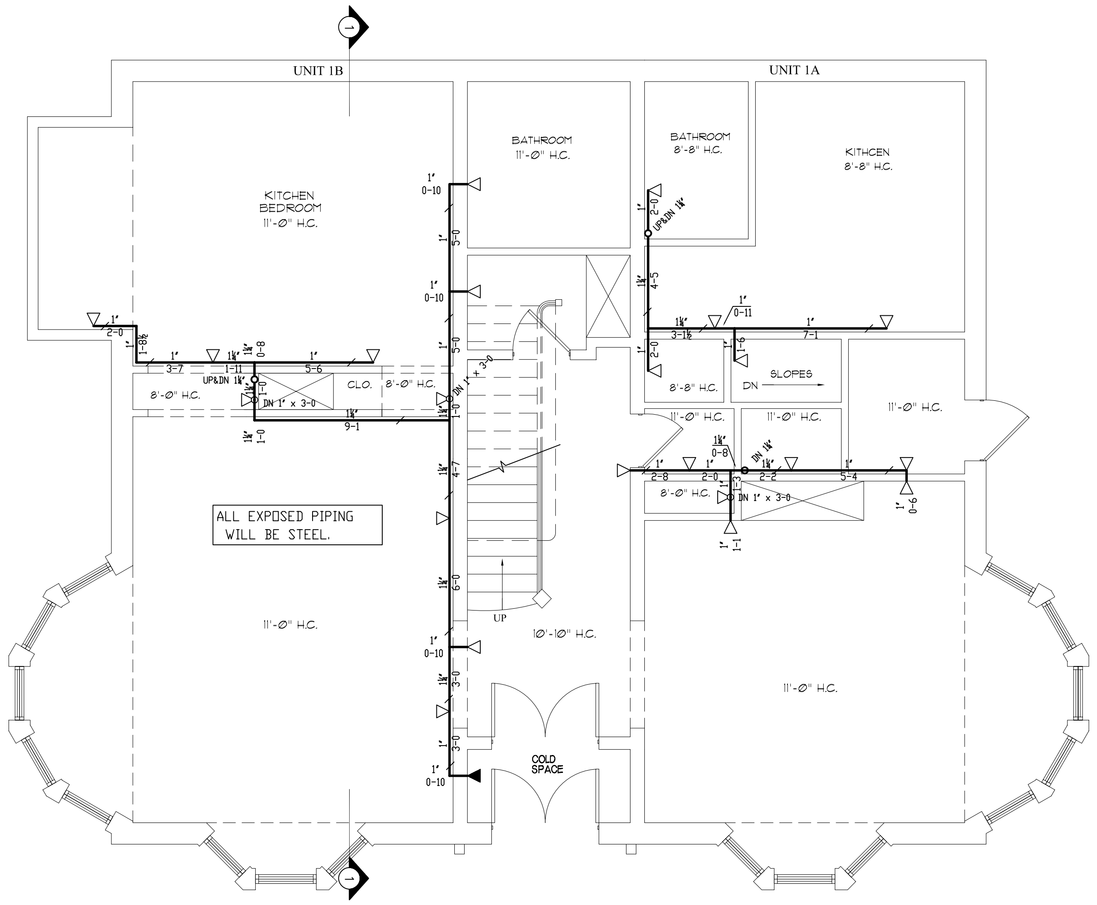
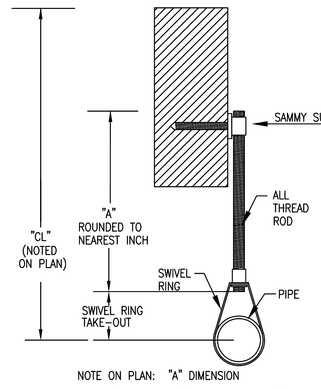


FIRST FLOOR FIRE PROTECTION

QUANTITY ◁ = 22
QUANTITY ◀ = 1

SCALE 1/4"=1'-0"

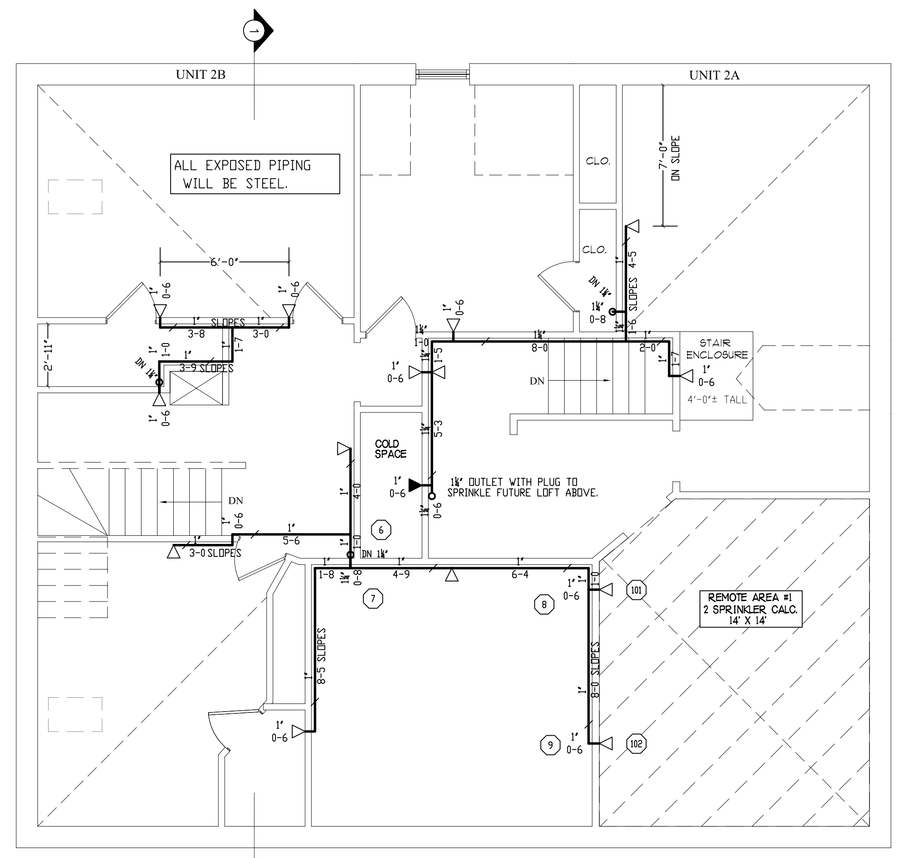
HYDRAULIC DESIGN	
SYSTEM	AREA #1 3RD FLOOR
SPRINKLERS CALCULATED	2 SPRINKLERS
SPRINKLER DENSITY REQ'D	0.05 GPM
AREA OF DISCHARGE	2 SPRINKLERS
HOSE ALLOWANCE	N/A
SPRINKLER SYSTEM DEMAND @ TEST PT	32 GPM
RESIDUAL PRESSURE @ TEST PT	49 PSI
SAFETY FACTOR @ RISER	512 PSI



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

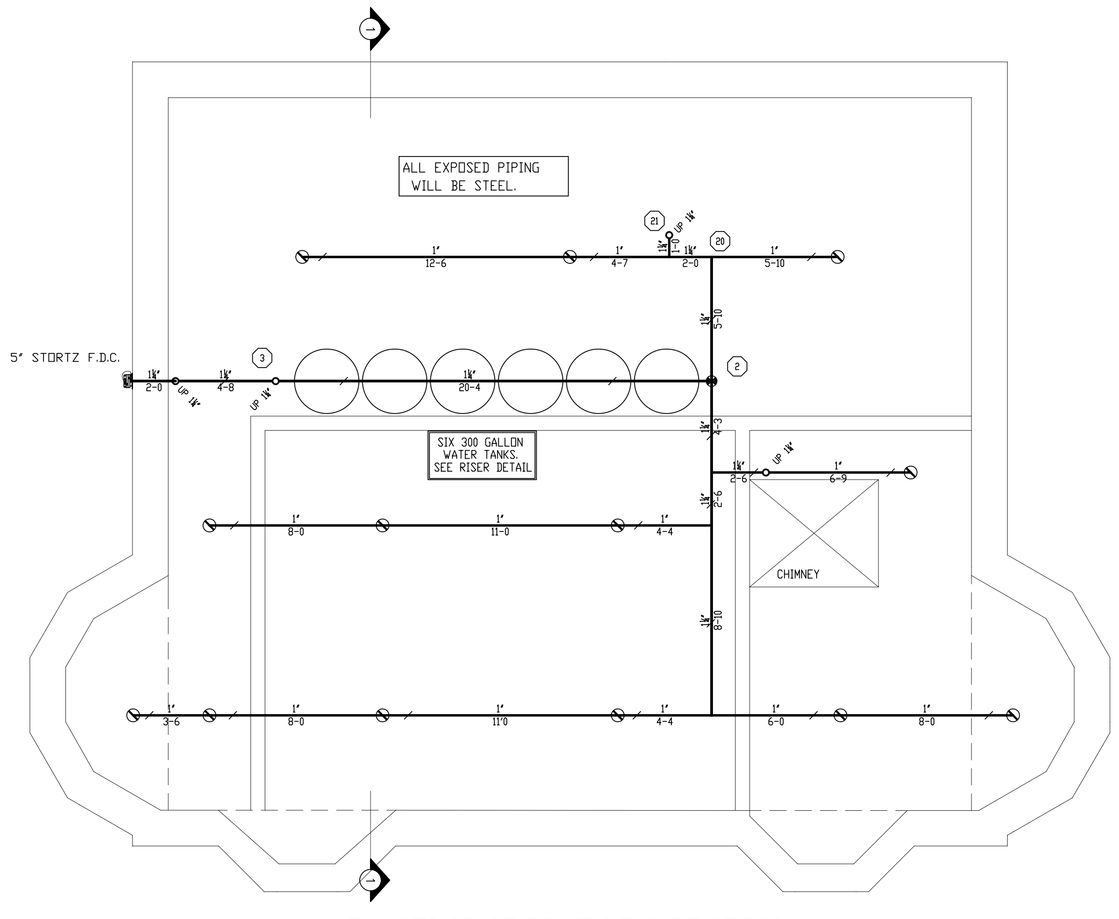
NO SCALE



THIRD FLOOR FIRE PROTECTION

QUANTITY ◁ = 14
QUANTITY ◀ = 1

SCALE 1/4"=1'-0"

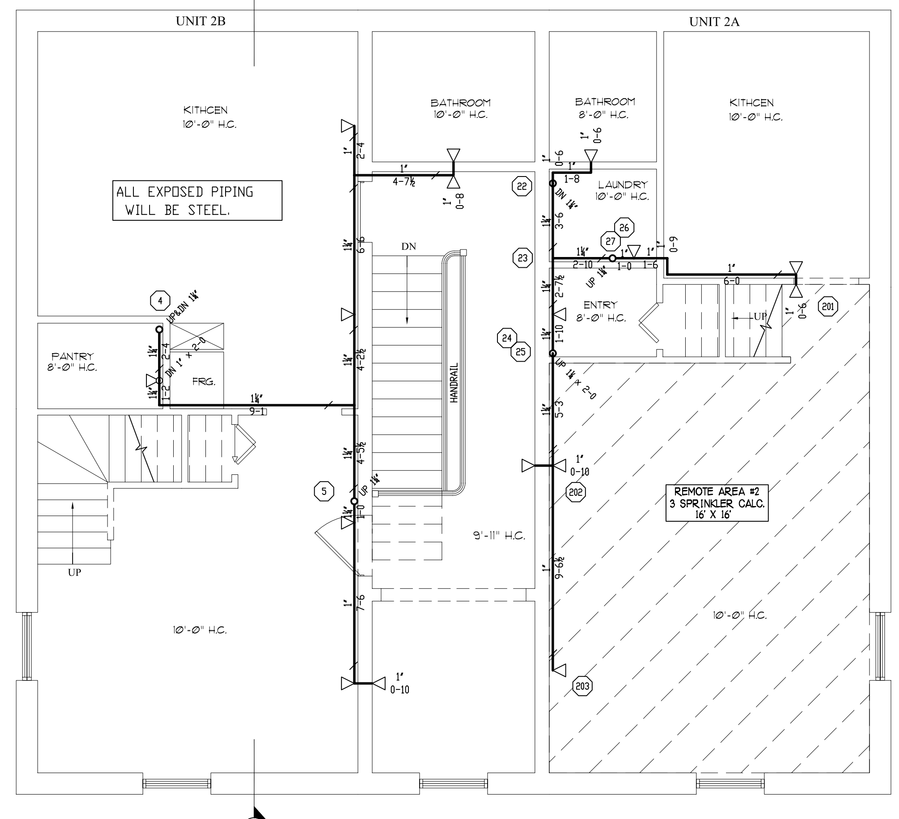


BASEMENT FIRE PROTECTION

QUANTITY ⊘ = 12

SCALE 1/4"=1'-0"

HYDRAULIC DESIGN	
SYSTEM	AREA #2 2ND FLOOR
SPRINKLERS CALCULATED	3 SPRINKLERS
SPRINKLER DENSITY REQ'D	0.05 GPM
AREA OF DISCHARGE	3 SPRINKLERS
HOSE ALLOWANCE	N/A
SPRINKLER SYSTEM DEMAND @ TEST PT	49 GPM
RESIDUAL PRESSURE @ TEST PT	44 PSI
SAFETY FACTOR @ RISER	6.09 PSI



SECOND FLOOR FIRE PROTECTION

QUANTITY ◁ = 16

SCALE 1/4"=1'-0"

REVISIONS	NOTES
7/14/11 PUMP SIZE, PIPING & HYDRAULICS.	

HEAD COUNT									
SPRINKLER TYPE	IDENTIFICATION NO.	MFG.	ESC.	MODEL	FINISH	ORIFICE	TEMP.	SYMBOL	QUANT.
QUICK RESP. PENDANT K= 4.9	TY2234	TYCO	N/A	LF11	BRASS	1/2"	155°	⊘	12
QUICK RESP. SIDEWALL K= 4.2	TY2284	TYCO	2 PIECE	LF11	WHITE	1/2"	155°	◁	47
QUICK RESP. SIDEWALL K= 5.6	TY3331	TYCO	N/A	TY-FRB	WHITE	1/2"	155°	◀	2
TOTAL SPRINKLERS THIS DRAWING									61

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 #548	
CONTRACTOR LICENSE #295	

DUGAS RESIDENCE
243 STATE STREET
PORTLAND, MAINE 04101

FIRE PROTECTION PLAN

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

JOB No.	M0042
DATE	7/7/11
DRAWN BY	MJN
SCALE	AS NOTED
SHEET No.	FP-2of2