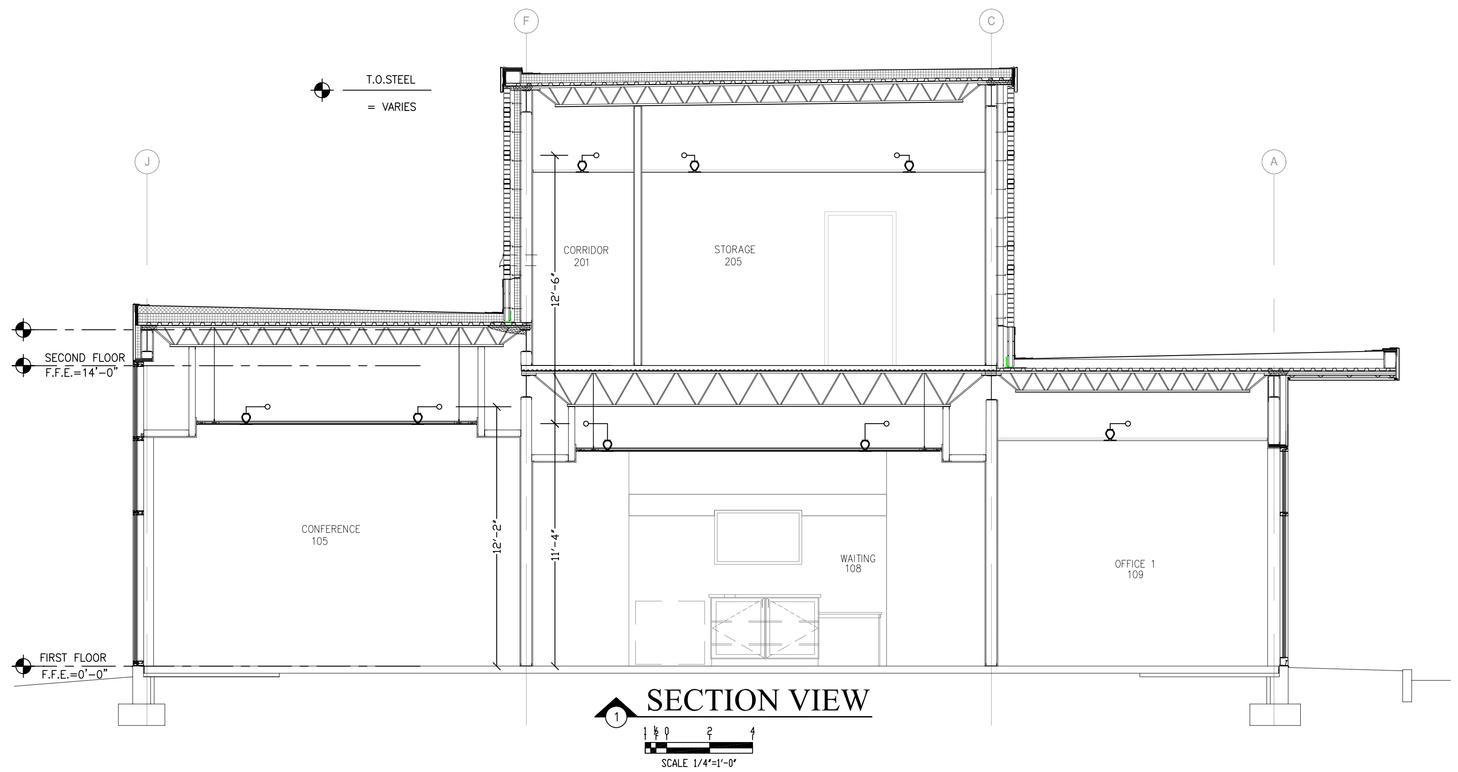
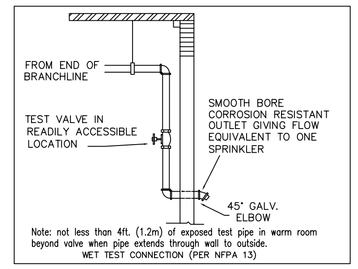
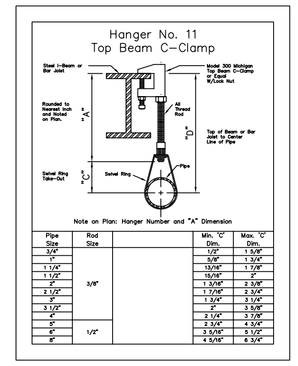


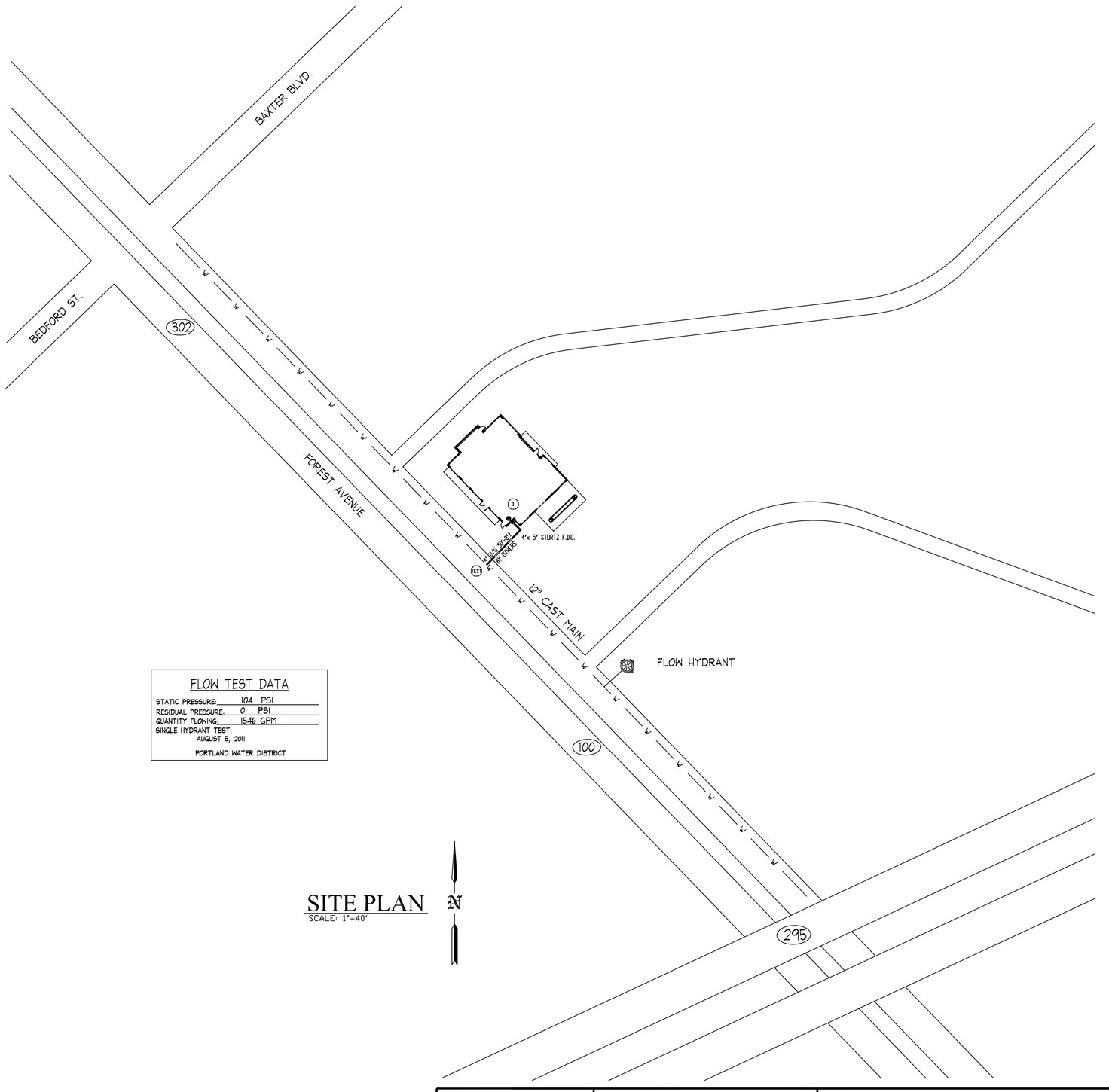
1 SECTION VIEW

SCALE 1/4"=1'-0"

HYDRAULIC DESIGN DATA	
System # & Area	#1 - #1
No. of Sprinklers	16
Density	0.10 GPM
Designed Area	1500 SQ. FT.
Hose Allowance	100 GPM
Water Flow Rate	409 GPM
Residual Pressure at Base of Riser	82 PSI
Safety Factor at Base of Riser	12.75 PSI



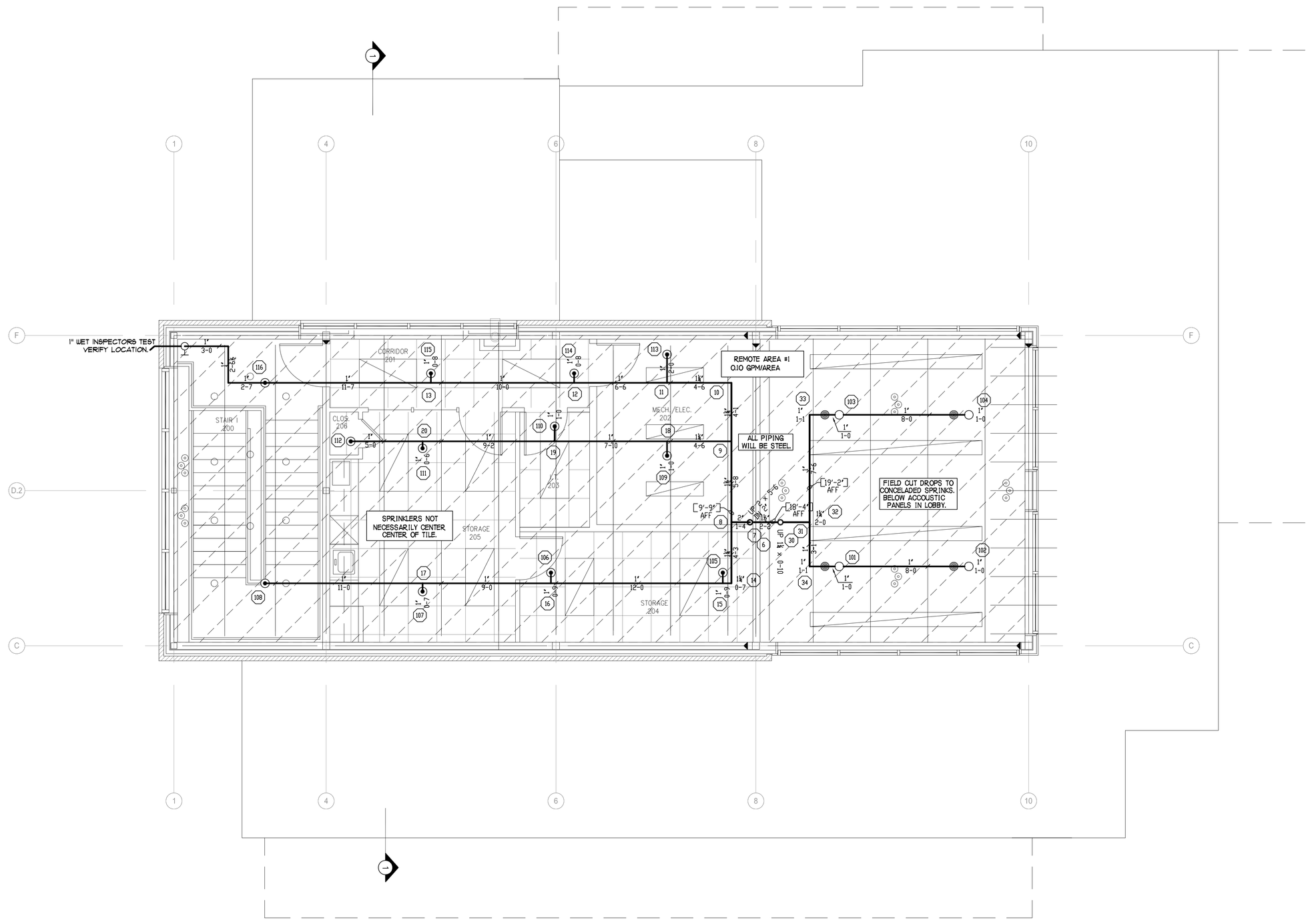




SITE PLAN

SCALE: 1"=40'

FLOW TEST DATA	
STATIC PRESSURE:	104 PSI
RESIDUAL PRESSURE:	0 PSI
QUANTITY FLOWING:	1546 GPM
SINGLE HYDRANT TEST.	
AUGUST 5, 2011	
PORTLAND WATER DISTRICT	



SECOND FLOOR FIRE PROTECTION

SCALE 1/4"=1'-0"

QUANTITY ◉ = 12
QUANTITY ○ = 4

REVISIONS	NOTES

HEAD COUNT									
SPRINKLER TYPE	IDENTIFICATION NO.	MFG.	ESC.	MODEL	FINISH	ORIFICE	TEMP.	SYMBOL	QUANT.
QUICK RESP. PENDANT K= 5.6	TY 3231	TYCO	SEMI-REC.	TY-FRB	WHITE	1/2"	155°	◉	12
QUICK RESP. UPRIGHT K= 5.6	TY3131	TYCO	N/A	TY-FRB	BRASS	1/2"	212°	○	4
TOTAL SPRINKLERS THIS DRAWING									16

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		

C PORT CREDIT UNION
285 FOREST AVENUE
PORTLAND, MAINE 04101

FIRE PROTECTION PLAN

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

JOB No.	M0064
DATE	2/20/12
DRAWN BY	MJN
SCALE	AS NOTED
SHEET No.	FP-2of2