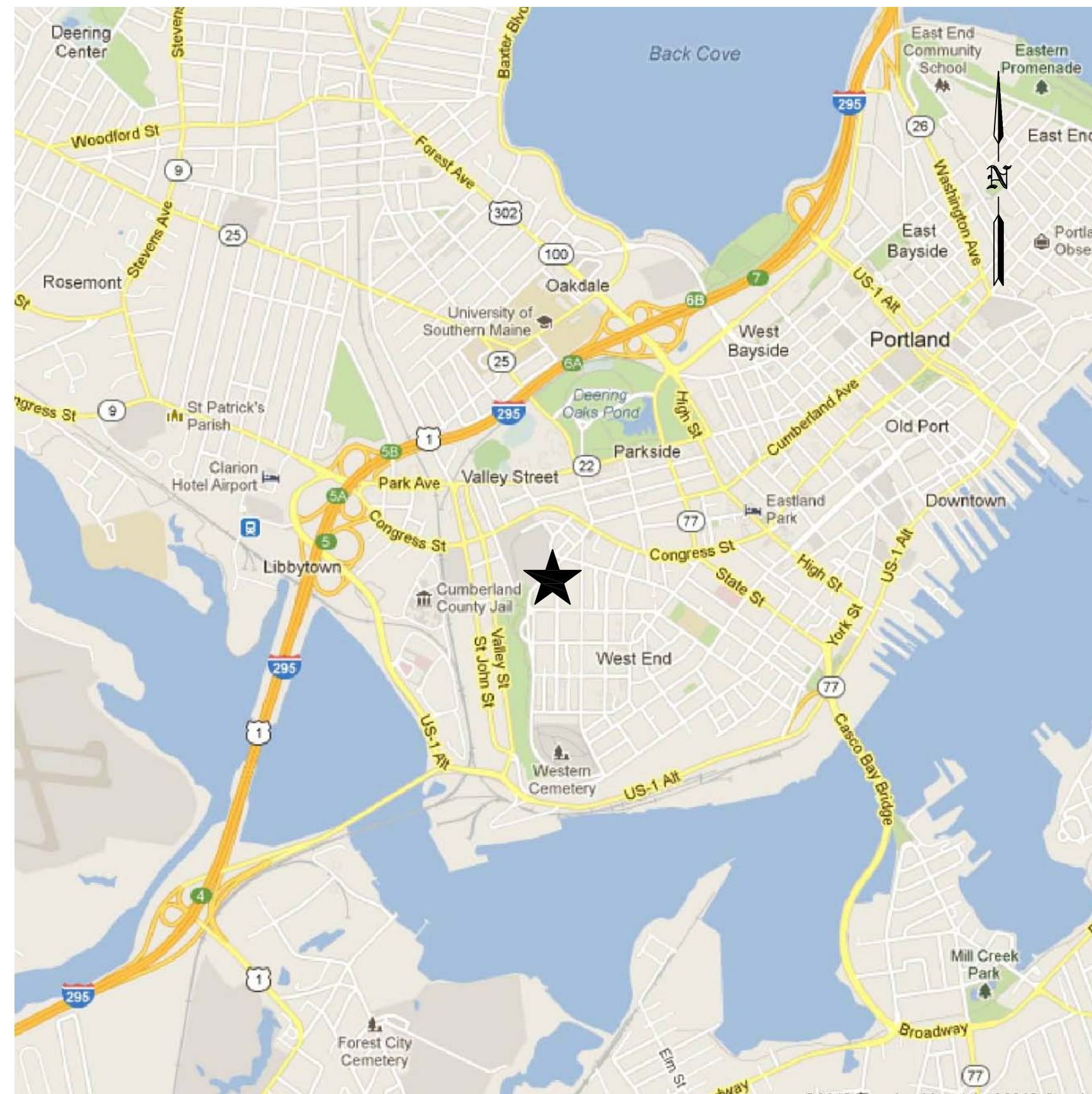


# BRAMHALL RESIDENT

## 25 BRAMHALL STREET

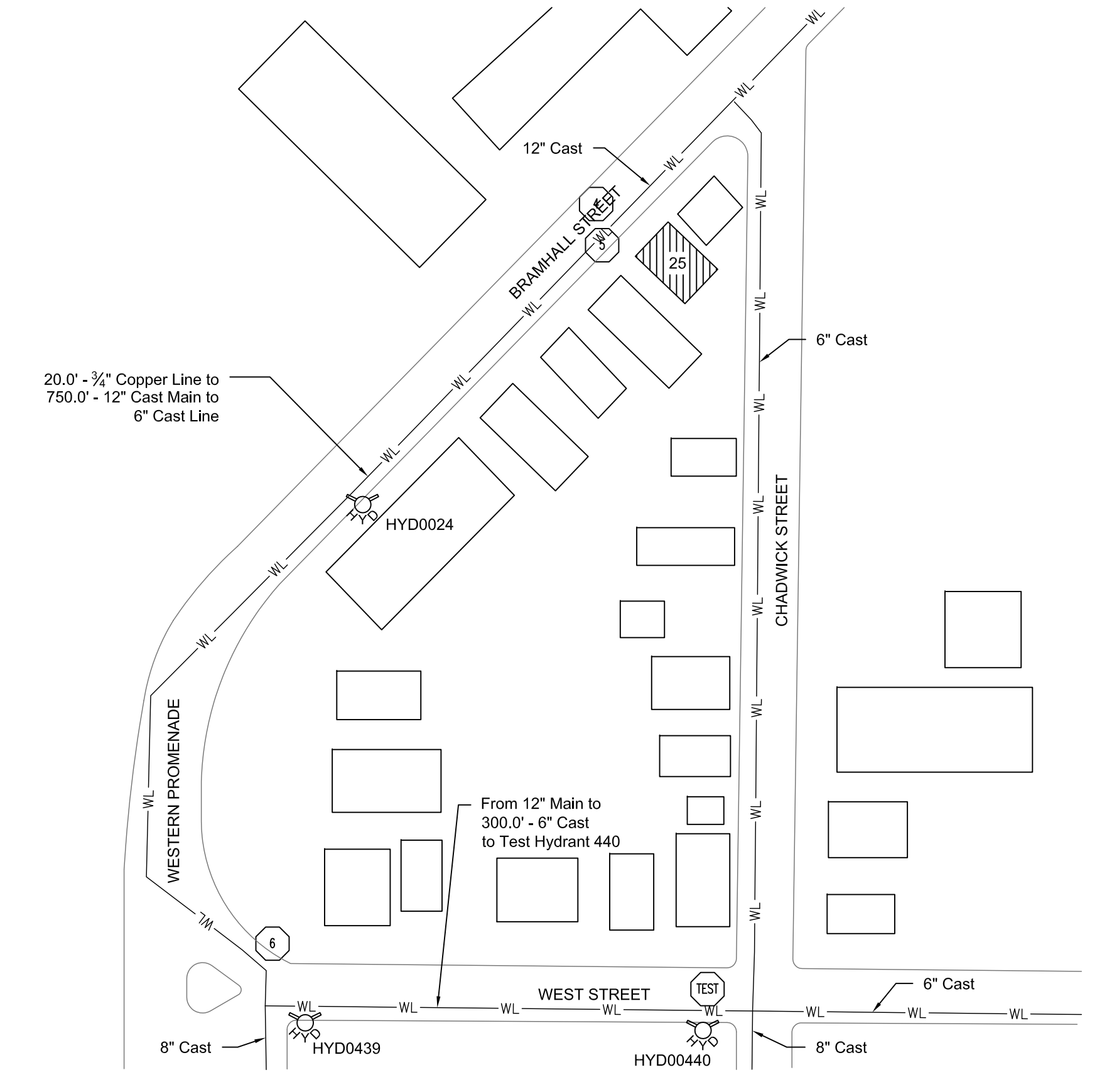
PORTLAND, MAINE 04104



SITE MAP



SITE LOCATION



SITE UNDERGROUND HYDRANTS AND LINES



**MAINE FIRE PROTECTION SYSTEMS**

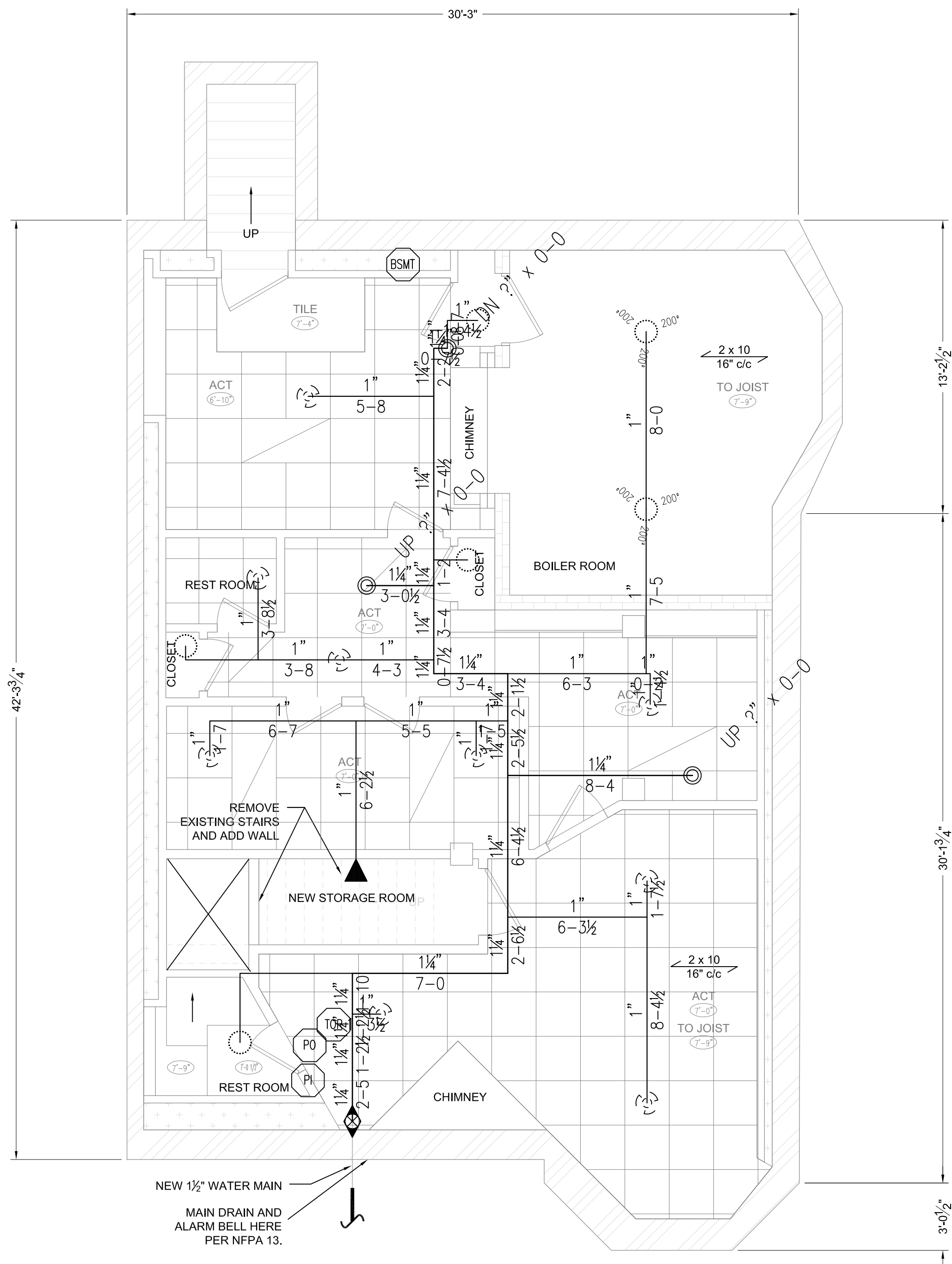
6 DOWD ROAD, BANGOR, MAINE 04401  
 Ph: 207-942-8809, Fax: 207-941-1910  
 mailto:service@mefirepro.com

### HYDRANT INFORMATION

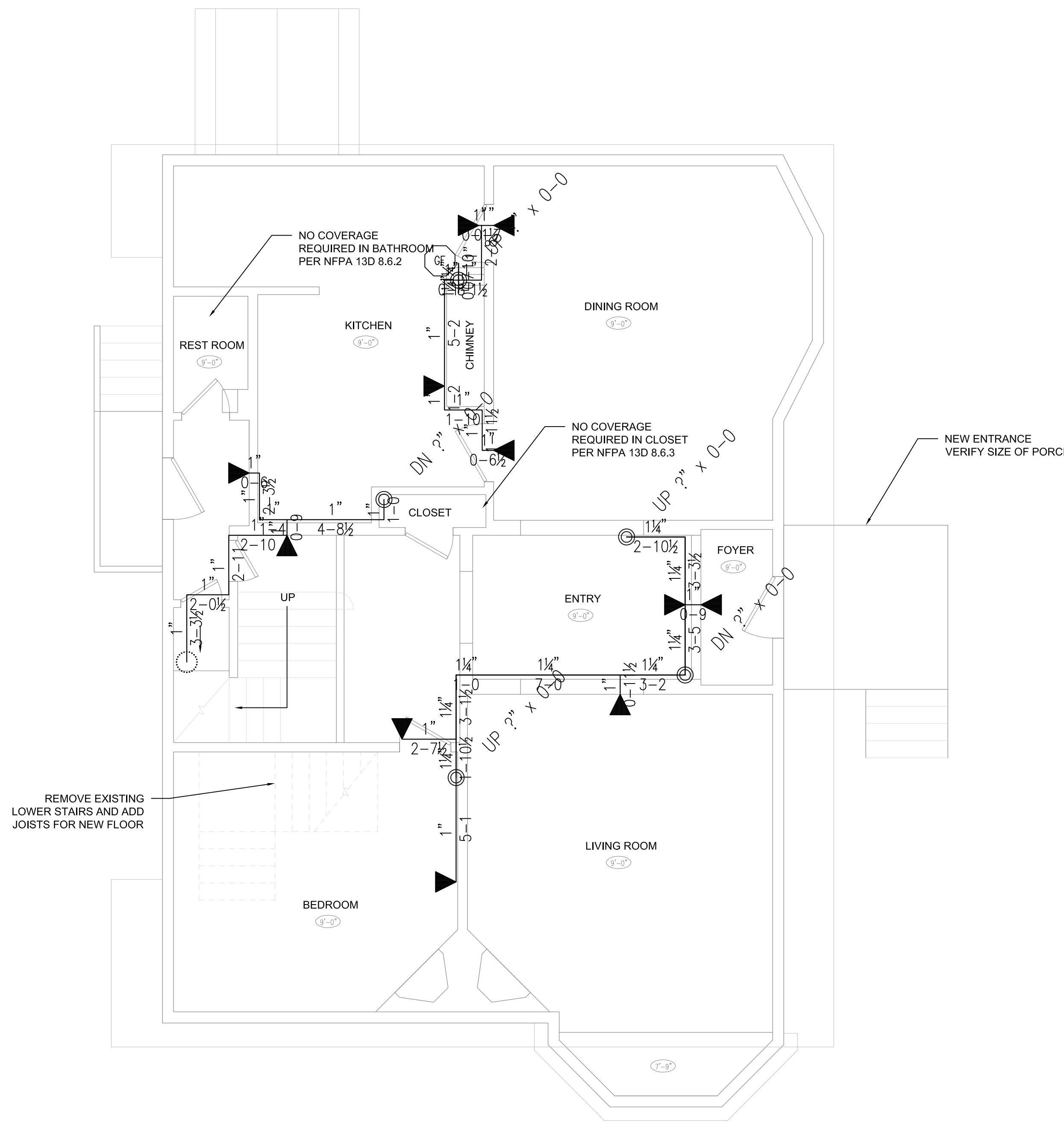
No.	DATE	STATIC	RESID	FLOW	ELEV
0024	08/21/1991	42		830	152.0'
0439	08/09/2007	48		1342	156.0'
0440	08/09/2007	49	45		152.0'

### DRAWING LIST

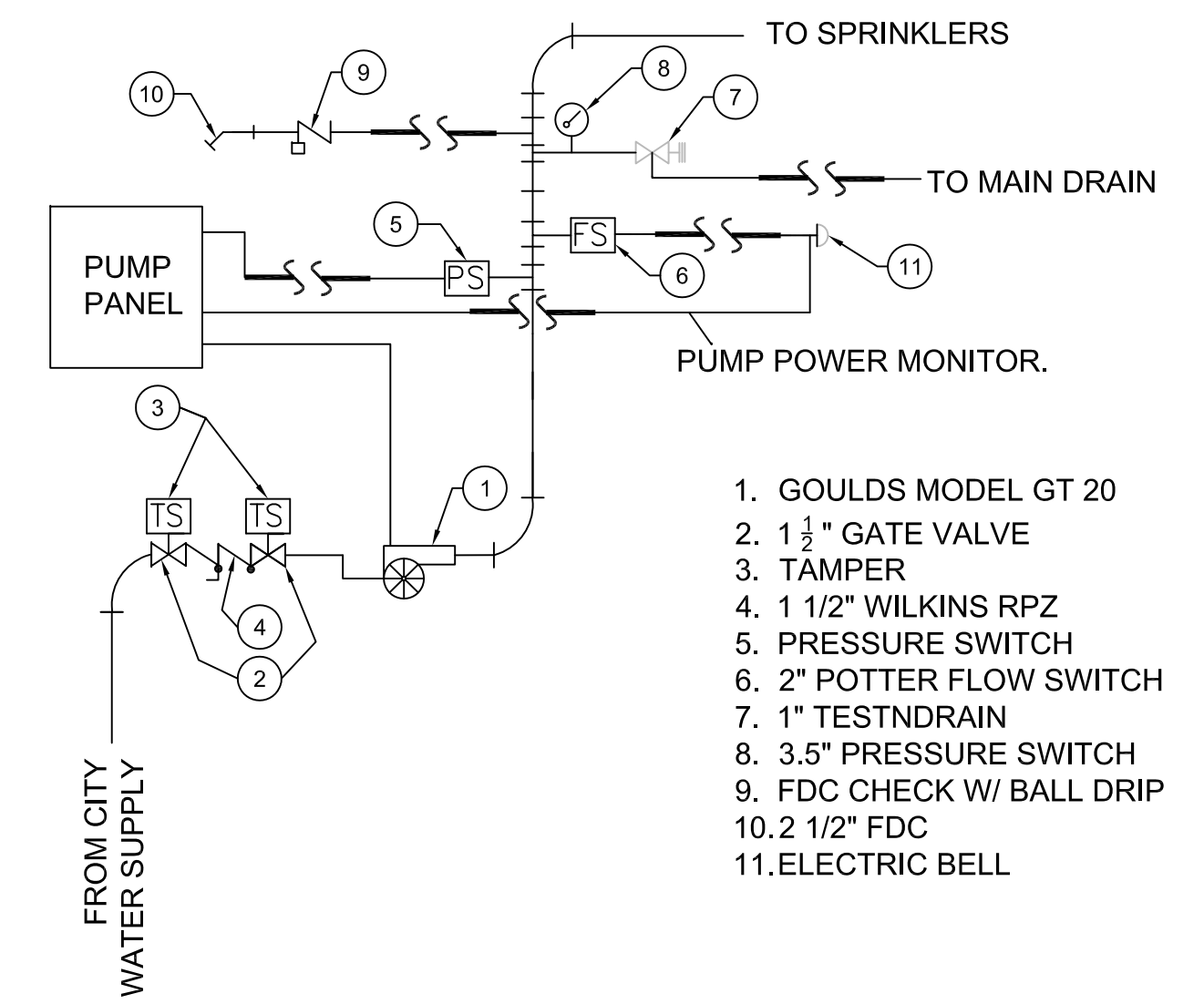
Page No.	DESCRIPTION
FP-1	BASEMENT & FIRST FLOOR PLAN & DETAILS
FP-2	SECOND & THIRD FLOOR PLAN & DETAILS



**BASEMENT PLAN**  
1/4"=1'-0"



**FIRST FLOOR PLAN**  
1/4"=1'-0"



**RISER DIAGRAM**  
N.T.S.

**JOB SCOPE:**

1. INSTALL WET TYPE SPRINKLER SYSTEM PER NFPA 13D IN EXISTING THREE STORY HOUSE w / BASEMENT OUTSIDE OF DWELLING AREA. BASEMENT ACCESS SEPERATE FROM REST OF BUILDING.
2. SPRINKLER SYSTEM FED FROM CITY WATER SUPPLY w / GOULDS PUMP, MODEL GT20 - 50/50.
3. TWO FOOT ELEVATION CHANGE FROM HYDRANT 440 TO RISER.
4. SPRINKLERS APPROX. 45

**GENERAL NOTES**

ALL DIMENSIONS SHOWN ARE CENTER TO CENTER. PIPE 1-1/2" AND SMALLER TO BE SCHEDULE 40 WITH THREADED CAST IRON FITTINGS. PIPE 2" AND LARGER TO BE SCHEDULE 10 WITH GROOVED FITTINGS. ALL PIPES AND HANGERS ARE TO BE INSTALLED PER NFPA 13, 2010. HANGERS ARE TO BE U.L. LISTED AND F.M. APPROVED. OWNER SHALL PROVIDE ADEQUATE HEAT TO PREVENT WET-PIPE SPRINKLER PIPING FROM FREEZING. OWNER SHALL MAINTAIN SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 25 AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS. THIS SYSTEM HAS BEEN DESIGNED BY AND SHALL BE INSTALLED BY MAINE FIRE PROTECTION SYSTEMS AND USE OF THESE DRAWINGS FOR OTHER PURPOSES IS STRICTLY PROHIBITED.

**REVISIONS**

NO.	DATE	DESCRIPTION



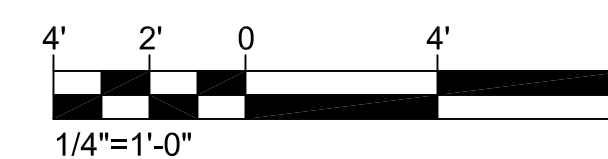
DATE: 12/04/2012	CONTRACTOR: MAINE FIRE PROTECTION
JOB NO: 0780	6 DOWD ROAD
FILE NAME: 780.dwg	BANGOR, ME 04401
DESIGNED BY: CEM	DRAWN BY: DPW
	APPROVAL BY: ST FIRE MARSHAL

JOB NAME: BRAMHALL RESIDENT  
25 BRAMHALL STREET  
PORTLAND, MAINE 04101  
**BASEMENT & FIRST FLOOR PLAN & DETAILS**

1/4" = 1'-0" SHEET 1 OF 2

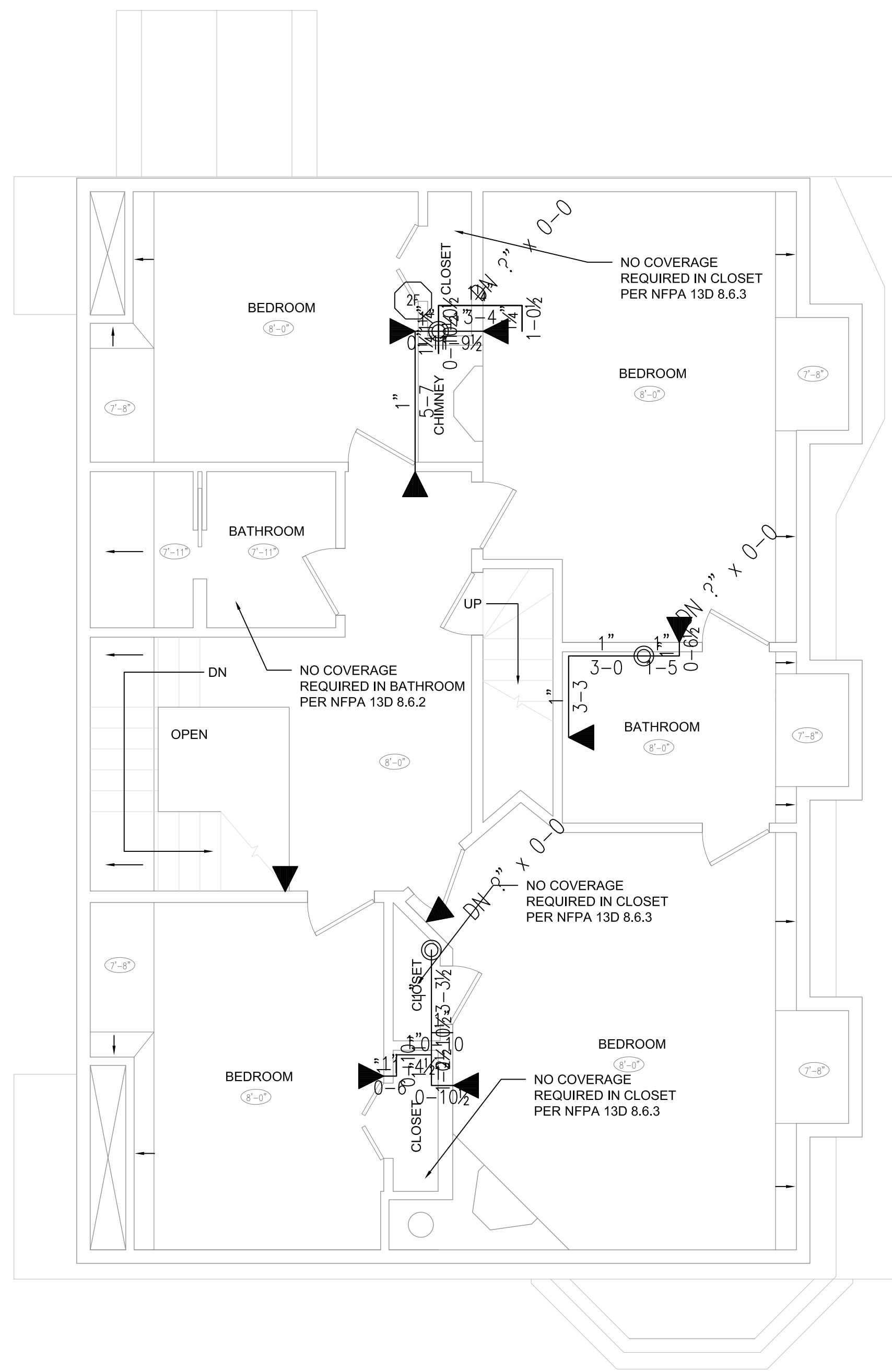
SPRINKLER SYSTEM # 1 LOCATION: FIRST FLOOR						
QTY	ORIFICE	MAKE	MODEL	TEMP	FINISH	NOTES
1	1/2", K=5.6	TYCO	TY3131	155	WHITE	QR UPRIGHT
11	1/2", K=4.4	TYCO	TY2334	155	WHITE	FR SERIES LFII SIDEWALL

SPRINKLER SYSTEM # 1 LOCATION: BASEMENT						
QTY	ORIFICE	MAKE	MODEL	TEMP	FINISH	NOTES
12	1/2", K=5.6	TYCO	TY3131	155	WHITE	QR PENDENT ON DROP
4	1/2", K=5.6	TYCO	TY3131	155	BRASS	QR UPRIGHT
1	1/2", K=4.4	TYCO	TY2334	155	WHITE	FR SERIES LFII SIDEWALL
2	1/2", K=5.6	TYCO	TY3131	200	BRASS	QR UPRIGHT

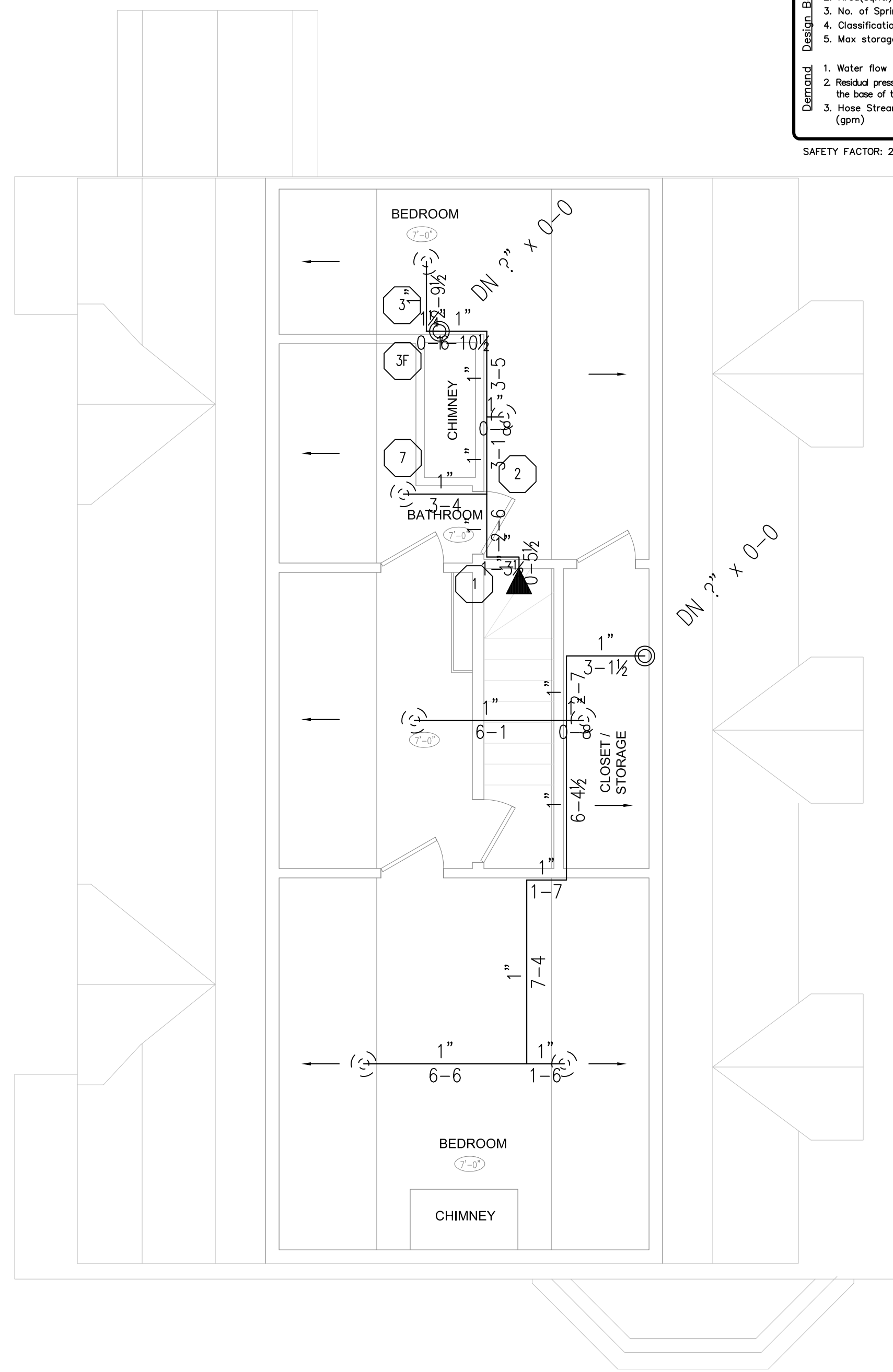


**FP-1**

DESIGN AREA NO. 1	
Location: THIRD FLOOR	
Design Basis:	
1. Density (gpm/sq.ft.)	.1
2. Area(sq.ft.)	130
3. No. of Sprinklers	2
4. Classification	LH
5. Max. storage height (ft.)/K/A	
Demand:	
1. Water flow rate (gpm)	34
2. Residual pressure at the base of the riser (psi)	23
3. Hose Stream allowance (gpm)	150
SAFETY FACTOR: 24	



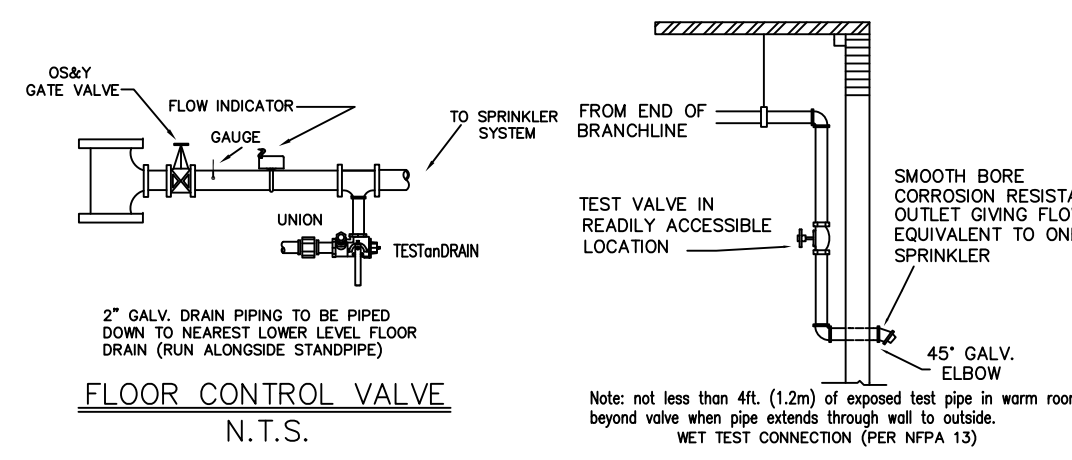
**SECOND FLOOR PLAN**  
1/4"=1'-0"



**THIRD FLOOR PLAN**  
1/4"=1'-0"



- TYPICAL HANGER SCALE**
- 1 -- Coach Screw Rod
  - 1 -- All Thread Rod (4" Shorter Than Overall Length)
  - 1 -- Ring
  - 1 -- Rod Coupling



**GENERAL NOTES**

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REVISIONS	DATE



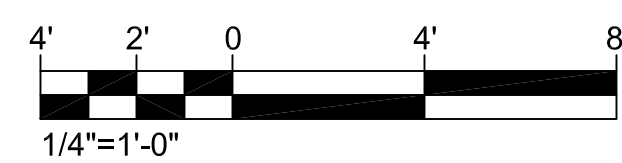
DATE	12/04/2012	CONTRACTOR	MAINE FIRE PROTECTION
JOB NO.	0780	6 DOWD ROAD BANGOR, ME 04401	
FILE NAME	780.dwg	DESIGNED BY	CEM
		DRAWN BY	DPW
		APPROVAL BY	ST FIRE MARSHAL

JOB NAME  
**BRAMHALL RESIDENT**  
25 BRAMHALL STREET  
PORTLAND, MAINE 04101  
**SECOND & THIRD FLOOR PLAN & DETAILS**

1/4" = 1'-0" SHEET 2 OF 2

SPRINKLER SYSTEM # 1 LOCATION: THIRD FLOOR						
QTY	ORIFICE	MAKE	MODEL	TEMP	FINISH	NOTES
7	1/2", K=4.9	TYCO	TY2234	155	WHITE	FR SERIES LFII PENDENT
1	1/2", K=4.4	TYCO	TY2334	155	WHITE	FR SERIES LFII SIDEWALL

SPRINKLER SYSTEM # 1 LOCATION: SECOND FLOOR						
QTY	ORIFICE	MAKE	MODEL	TEMP	FINISH	NOTES
9	1/2", K=4.4	TYCO	TY2334	155	WHITE	FR SERIES LFII SIDEWALL



**FP-2**