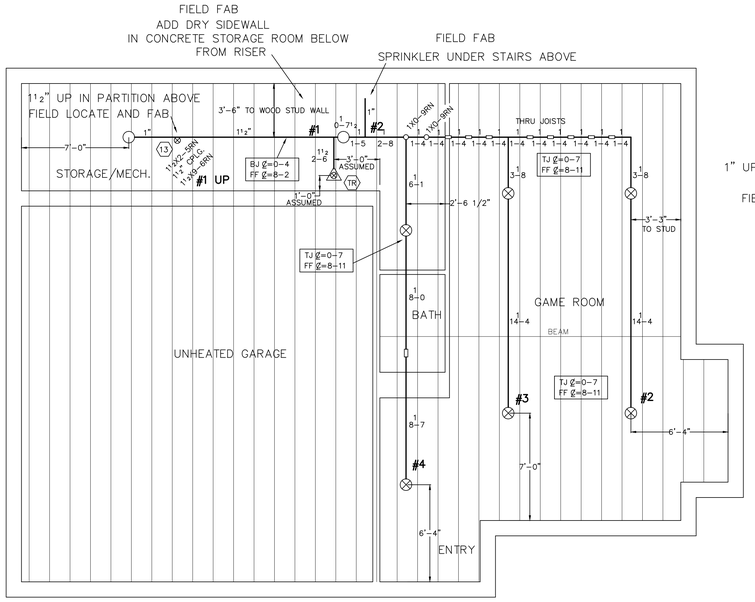
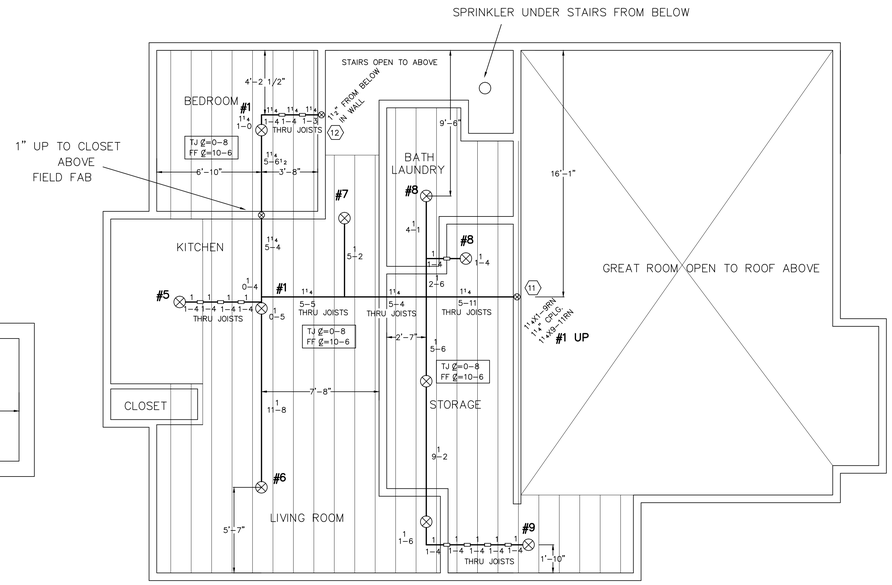
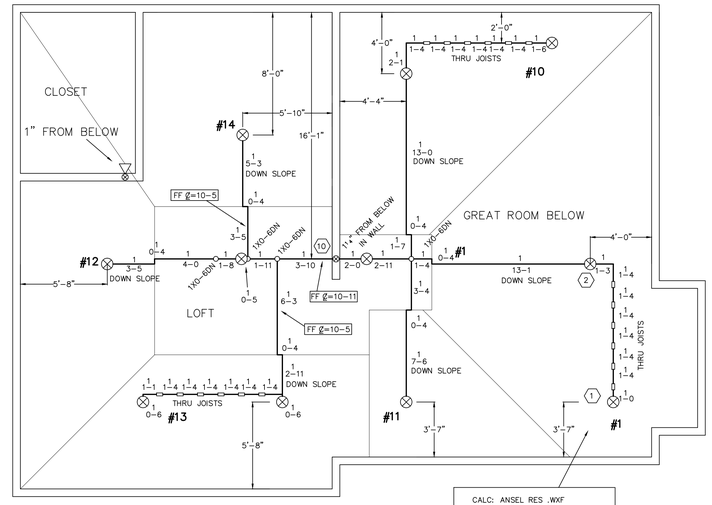


GROUND FLOOR



FIRST FLOOR



SECOND FLOOR

CALC: ANSEL RES .WXF

HYDRAULIC DATA:

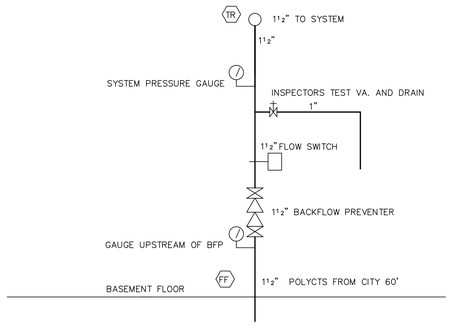
BASIS OF DESIGN:

DENSITY	AREA OF COVERAGE	
0.05	2 SPRINKLERS	
	TOTAL ORIFICE	TEMP
SPRINKLERS 2	7/16"	155°

SYSTEM DEMAND AT		CITY:
PRESSURE	FLOW	HOSE
64.4	36.8	0

SAFETY MARGIN 5.5 PSI

OCCUPANCY: RESIDENCE



RISER SECTION
NO SCALE

GENERAL NOTES

ALL DIMENSIONS ARE CENTER TO CENTER U/N
ALL 2" AND SMALLER PIPE TO SCH 40 BLACK STEEL
ALL SCREWED FITTINGS TO BE STD. WT. C.I. BLACK U/N
ALL HANGER SPACING AND SIZES TO CONFORM TO NFPA #13.
SUFFICIENT HEAT TO PREVENT FREEZING OF THE WET PIPE SPRINKLER SYSTEM AND REQUIRED INSULATION METHODS PER NFPA STANDARDS ARE REQUIRED TO BE FURNISHED BY THE BUYER/OWNER.

LEGEND

▷ 1-155° RELIABLE F1RES44 RES HOR SIDEWALL SPRINKLER CLOSET
○ 3-155° RELIABLE F1FR Q R BRASS UPRIGHTS BASEMENT/UNDER STAIRS
⊗ 27-165° RELIABLE RFC43 RES. WHITE CONCEALED PENDENT LIVING SPACE

FF ℄=XX FIN FLR TO CENTERLINE OF PIPE
BJ ℄=XX BOTTOM OF JOISTS TO CENTERLINE OF PIPE
TJ ℄=XX TOP OF JOISTS TO CENTERLINE OF PIPE
C ℄=XX CEILING TO CENTERLINE OF PIPE
∘ RISE OR DROP NIPPLE
⊗ RISER BETWEEN FLOORS

⊗ 27 / 155° RELIABLE RFC43 RESIDENTIAL WHITE PENDENT CONCEALED 1/2"X7/16" K=4.3 LIVING SPACE

○ 3 / 155° RELIABLE F1FR QR BRASS UPRIGHT 1/2"X1/2" K=5.6 BASEMENT

▷ 1 / 155° RELIABLE FIRES44 RES. WHITE SIDEWALL 1/2"X7/16" K=4.4 LIVING SPACE

SYSTEM CLASSIFICATION

A WET PIPE NFPA #13D
SPRINKLER SYSTEM TO BE INSTALLED IN ALL AREAS OF THE RESIDENCE TO MEET NFPA, STATE, AND CITY OF PORTLAND CODES.

DEAN & ALLYN, INC.
FIRE PROTECTION · SPECIAL HAZARD
PO BOX 709, GRAY, MAINE 04039
(207)657-5646 FAX:(207)657-5647

REVISIONS				APPROVED BY	DATE	SURVEYED BY	HAK	2-12-16
			/ /		/ /	DRAWN BY	HAK	2-12-16
			/ /		/ /	CHECKED BY	DAS	xxxx
			/ /		/ /	AT DEAN & ALLYN, INC		
			/ /		/ /	SCALE 1/4"=1'-0"		
		REVISIONS	DATE		/ /	SHEET NO. 1 OF 1		

TITLE

ANSEL RESIDENCE
11 ORCHARD STREET
PORTLAND, MAINE

NO. OF SPRINKLERS SHOWN ON THIS SHEET: 31
NO. OF SPRINKLERS ON JOB: 31
CONTRACT NO. C151307