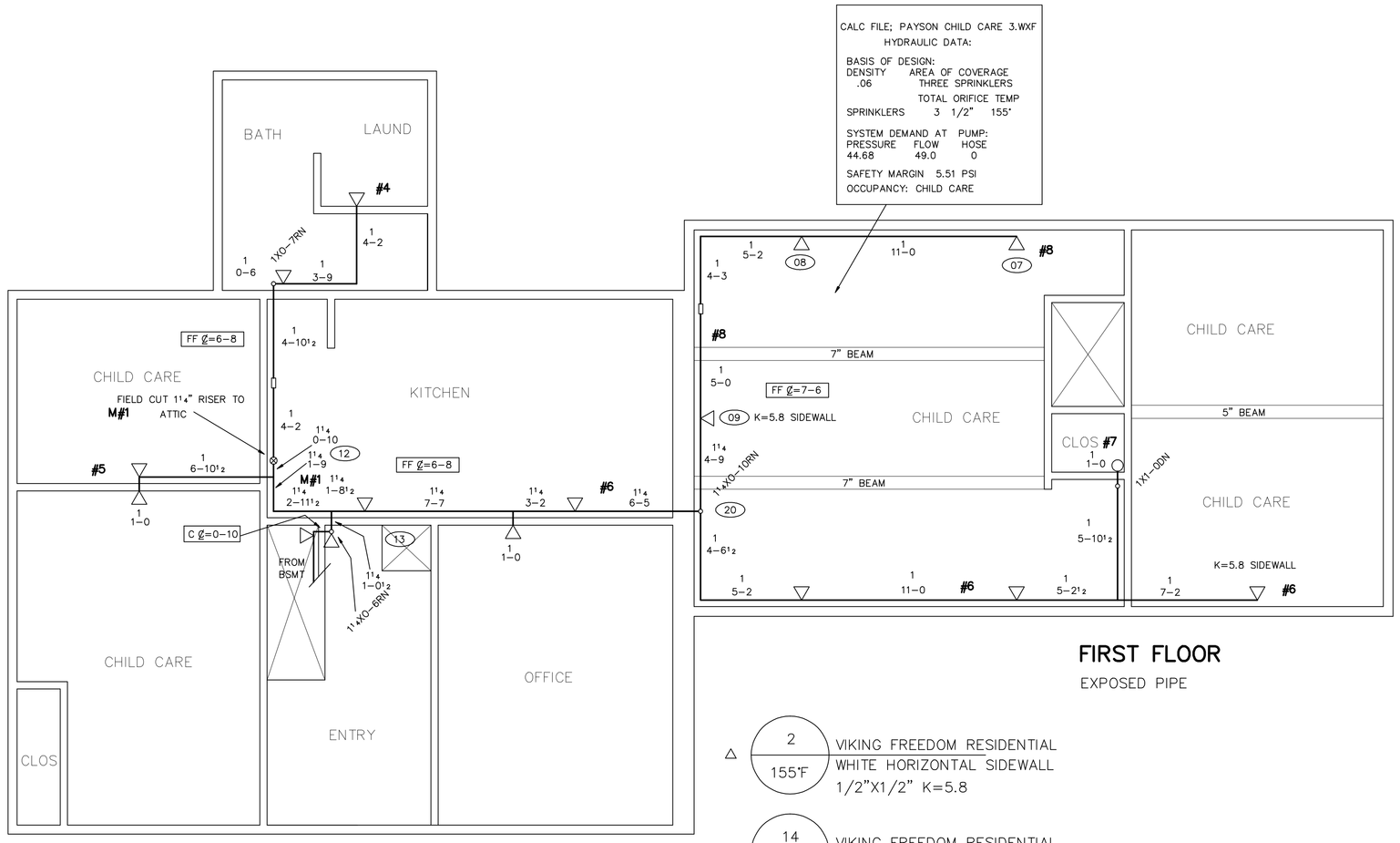
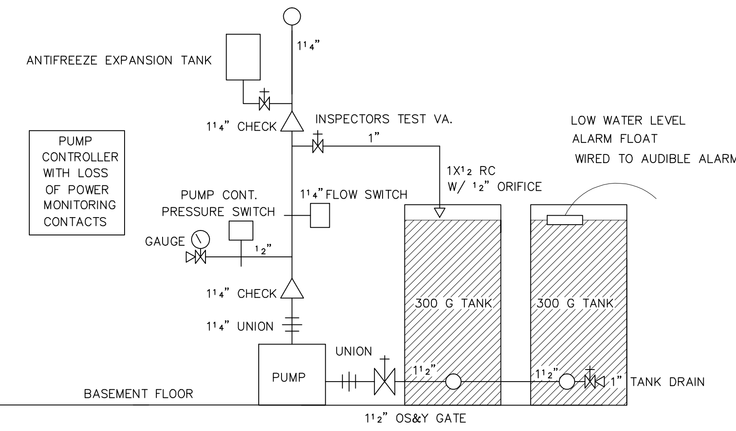


FIRST FLOOR
EXPOSED PIPE

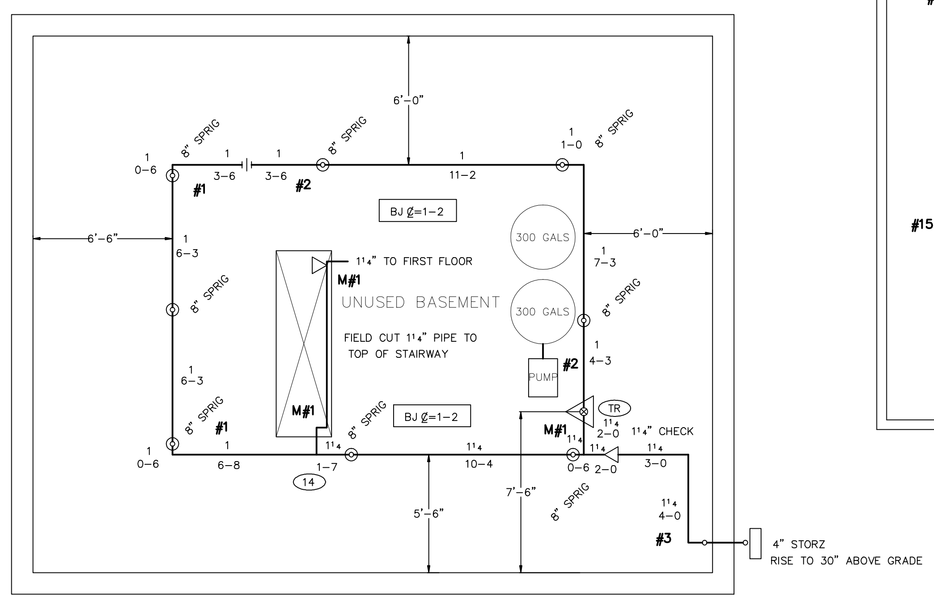
△ 2 / 155°F — VIKING FREEDOM RESIDENTIAL, WHITE HORIZONTAL SIDEWALL, 1/2"X1/2" K=5.8

△ 14 / 155°F — VIKING FREEDOM RESIDENTIAL, WHITE HORIZONTAL SIDEWALL, 1/2"X1/2" K=4.2



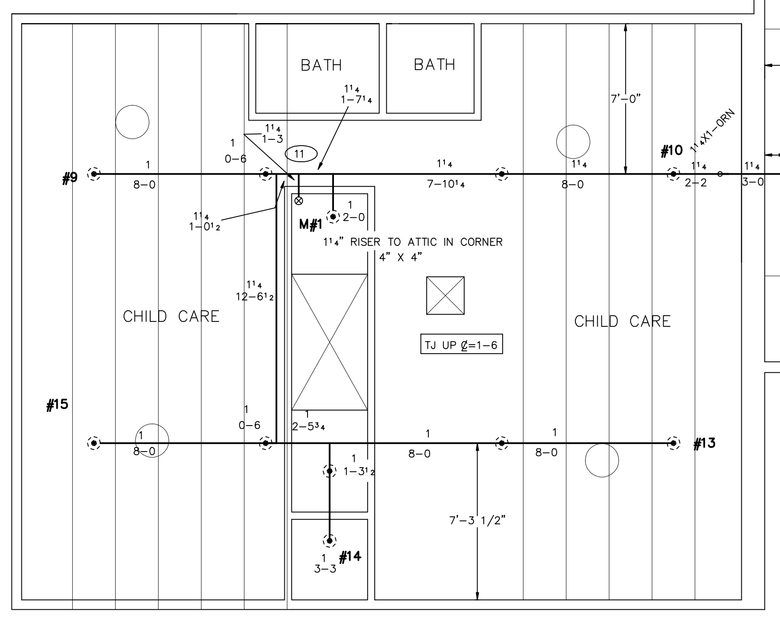
RISER SECTION
NO SCALE

ANTIFREEZE
CAPACITY 30 GALS.



BASEMENT

○ 9 / 155°F — VIKING Q R, BRASS UPRIGHTS



SECOND FLOOR
PIPE RUNS IN ATTIC

◉ 19 / 155°F — VIKING FREEDOM RESIDENTIAL, WHITE CONCEALED PENDENT, 1/2"X1/2" K=4.9

SECOND FLOOR
PIPE RUNS IN ATTIC

CALC FILE; PAYSON CHILD CARE 1.WXF
HYDRAULIC DATA:
BASIS OF DESIGN:
DENSITY AREA OF COVERAGE
.06 THREE SPRINKLERS
TOTAL ORIFICE TEMP
SPRINKLERS 3 1/2" 155°
SYSTEM DEMAND AT PUMP:
PRESSURE FLOW HOSE
38.19 39.63 0
SAFETY MARGIN 13.56 PSI
OCCUPANCY: CHILD CARE

CALC FILE; PAYSON CHILD CARE 2.WXF
HYDRAULIC DATA:
BASIS OF DESIGN:
DENSITY AREA OF COVERAGE
.06 TWO SPRINKLERS
TOTAL ORIFICE TEMP
SPRINKLERS 2 1/2" 155°
SYSTEM DEMAND AT PUMP:
PRESSURE FLOW HOSE
46.53 34.46 0
SAFETY MARGIN 5.96 PSI
OCCUPANCY: CHILD CARE

◉ 19 / 155°F — VIKING FREEDOM RESIDENTIAL, WHITE CONCEALED PENDENT, 1/2"X1/2" K=4.9

△ 2 / 155°F — VIKING FREEDOM RESIDENTIAL, WHITE HORIZONTAL SIDEWALL, 1/2"X1/2" K=5.8

△ 14 / 155°F — VIKING FREEDOM RESIDENTIAL, WHITE HORIZONTAL SIDEWALL, 1/2"X1/2" K=4.2

○ 9 / 155°F — VIKING Q R, BRASS UPRIGHTS

LEGEND

- ◁ HORIZONTAL RESIDENTIAL WHITE SIDEWALL
- ◎ UPRIGHT QR SPRINKLER HEAD ON 1" SPRIG
- ○ UPRIGHT QR SPRINKLER HEAD
- ◉ WHITE RESIDENTIAL CONCEALED PENDENT
- ○ RISE OR DROP
- ⊗ RISER
- (XXX) HYDRAULIC REFERENCE POINT
- FF ℄=XX FINISH FLOOR TO CENTERLINE OF PIPE
- C ℄=XX CEILING TO CENTERLINE OF PIPE
- TJ UP ℄=XX TOP OF JOIST UP TO ℄ OF PIPE

GENERAL NOTES

ALL DIMENSIONS ARE CENTER TO CENTER U/N.
ALL 2" AND SMALLER PIPE TO SCH 40 BLACK
ALL SCREWED FITTINGS TO BE STD. WT. C.I. BLACK U/N

SYSTEM CLASSIFICATION

A WET PIPE ANTIFREEZE FILLED NFPA #13D ENHANCED SYSTEM OF AUTOMATIC SPRINKLERS TO BE INSTALLED IN ALL REQUIRED AREAS OF THE ENTIRE BUILDING. HYDRAULICAALY DESIGNED FOR 3 OPERATING SPRINKLERS.

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

SCALE 1/4"=1'-0"

APPROVED BY	DATE	SURVEYED BY	HAK	8-9-08
	/ /	DRAWN BY	HAK	8-9-08
	/ /	CHECKED BY	TEC	
	/ /	AT DEAN & ALLYN, INC		
	/ /	SCALE 1/4"=1'-0" U/N		
	/ /	SHEET NO. 1 OF 1		

DANA A. STEWART
NICET IV - #064544

PAYSON STREET CHILD CARE
1340 RIVERSIDE STREET
PORTLAND MAINE

REV. 0

NO. OF SPRINKLERS SHOWN ON THIS SHEET: 44
NO. OF SPRINKLERS ON JOB: 44
CONTRACT NO.: TBD