

PROJECT DESCRIPTION

BUILDING CONST:
 THE BUILDING IS 4 LEVELS WITH A CLASS 1 CONSTRUCTION: WOOD FRAMING, FIBERGLASS INSULATION, AND GYP BOARD CONSTRUCTION. STEEL PIPING THROUGHOUT.

BUILDING OCCUPANCY:
 THE BUILDING WAS BUILT & DESIGNED FOR RESIDENTIAL LIVING AND OFFICE TYPE OCCUPANCIES

SPRINKLER SYSTEM DESIGN:
 A WET SYSTEM SERVES THE ENTIRE BUILDING WITH A CLASS 1 MANUAL WET STANDPIPE SYSTEM HAVING PIPING THAT SUPPLIES BOTH HOSE CONNECTIONS AND AUTOMATIC SPRINKLERS

THE THIRD FLOOR HAS BEEN CALCULATED WITH A LIGHT HAZARD OCCUPANCY WITH SPRINKLER HEAD SPACING AT 225 SQ.FT. MAX
 THE MANUAL WET STANDPIPE HAS BEEN HYDRAULICALLY CALCULATED AT THE TWO MOST REMOTE HOSE VALVE CONNECTIONS IN STAIR #1 AND ONE HOSE VALVE CONNECTION IN STAIR #2 FOR A TOTAL HOSE DEMAND OF 750 GPM.

THE SPRINKLER SYSTEM WAS DESIGNED TO MEET ALL APPLICABLE CODES REGARDING NFPA 13 2010ed.
 THE STAND PIPE SYSTEM WAS DESIGNED TO MEET ALL APPLICABLE CODES REGARDING NFPA 14 2010ed.

PUMPER FLOW INFORMATION
 CITY OF PORTLAND PUMPER TRUCK INFO
 RESIDUAL PRESSURE: 150 PSI
 RESIDUAL FLOW: 1250 GPM

STANDPIPE DESIGN CRITERIA

LOCATION= STAIR #1 & STAIR #2
 NUMBER OF HOSE VALVES= 3
 WITH A HOSE DEMAND OF 250 GPM AT EACH HOSE VALVE
 TOTAL HOSE DEMAND= 750 GPM
 BASE OF RISER= 750-GPM @ 21.7-PSI
 SAFETY MARGIN= 158-PSI

HYDRANT FLOW INFORMATION
 DATE: OCT 10, 1997
 STATIC PRESSURE: 102 PSI
 RESIDUAL PRESSURE: 88 PSI
 RESIDUAL FLOW: 1342 GPM

HIGH TECH FIRE PROTECTION

P.O. BOX 156
 MINOT, ME. 04258-0258
 TEL:(207) 998-2501 FAX:(207) 998-4187

MAINE LICENSE # 102

GENERAL CONTRACTOR ON RECORD:
 WRIGHT-RYAN CONST.
 10 DANFORTH ST.
 PORTLAND ME, 04101

REVISIONS:
 NO. DATE DESCRIPTION:

SPECIAL APPLICATIONS:
 NO. DESCRIPTION:

1. FIRE CAULK WALL PENETRATION WHERE REQUIRED TO MEET BUILDING SPECIFIC RATINGS.

- LEGEND:**
- RN PIPE RISER UP
 - DN PIPE RISER DOWN
 - AUXILIARY DRAIN
 - PROPOSED PIPE
 - SYSTEM RISER
 - PIPE PITCH & MAINS 1/2 LINES
 - 4 WAY SWAY BRACING
 - 2 WAY SWAY BRACING
 - HYDRAULIC CALC. POINT

DESIGN NOTES:
 ALL PIPING 1 1/2" & LARGER TO BE SCHEDULE 10 WITH GROOVED DUCTILE IRON FITTING.
 ALL PIPING 1 1/4" & SMALLER TO BE SCHEDULE 40 WITH APPROPRIATE FITTING.
 POSITION, LOCATION, SPACING, AND USE OF SPRINKLERS SHALL BE IN ACCORDANCE WITH NFPA 13.
 POSITION, LOCATION, SPACING, AND USE OF HANGERS SHALL BE IN ACCORDANCE WITH NFPA 13.
 HYDRAULIC CALCULATION PROCEDURES HAVE BEEN DONE IN ACCORDANCE WITH NFPA 13. (SEE PLANS FOR LOCATION OF REMOTE AREAS HYDRAULIC REFERENCE POINTS, AND SYSTEM DEMANDS.)
 DIMENSIONS AND LOCATIONS GIVEN FOR SPRINKLER HEADS AND PIPE MAY VARY TO ACCOMMODATE ACTUAL FIELD CONDITIONS.
 OWNER TO PROVIDE ADEQUATE HEAT THROUGHOUT BUILDING TO PREVENT WATER FILLED PIPING AND EQUIPMENT FROM FREEZING TEMPERATURES.
 ALL MECHANICAL, ELECTRICAL, AND PLUMBING TRADES TO COORDINATE THEIR WORK WITH SPRINKLER CONTRACTOR.
 ALL ELECTRIC WORK IS TO BE DONE BY OTHERS.

- GLOBE® MODEL GL5606
 26 / 155°
 K=5.6
 1/2" WHITE CONCEALED PENDENT (15'X15' SPACING)
- GLOBE® MODEL GL5615
 56 / 155°
 K=5.6
 1/2" BRASS UPRIGHT (15'X15' SPACING)
- GLOBE® MODEL GL5632
 1 / 200°
 K=5.6
 1/2" HORIZONTAL SIDEWALL INSTALL 18" ABOVE PIT FLOOR IN ELEV. SHAFT.
- GLOBE® MODEL GL5641
 1 / 200°
 K=5.6
 1/2" HORIZONTAL DRY SIDEWALL

TOTAL HEADS ON THIS SHEET 84

SCALE: 1" = 1'-0"

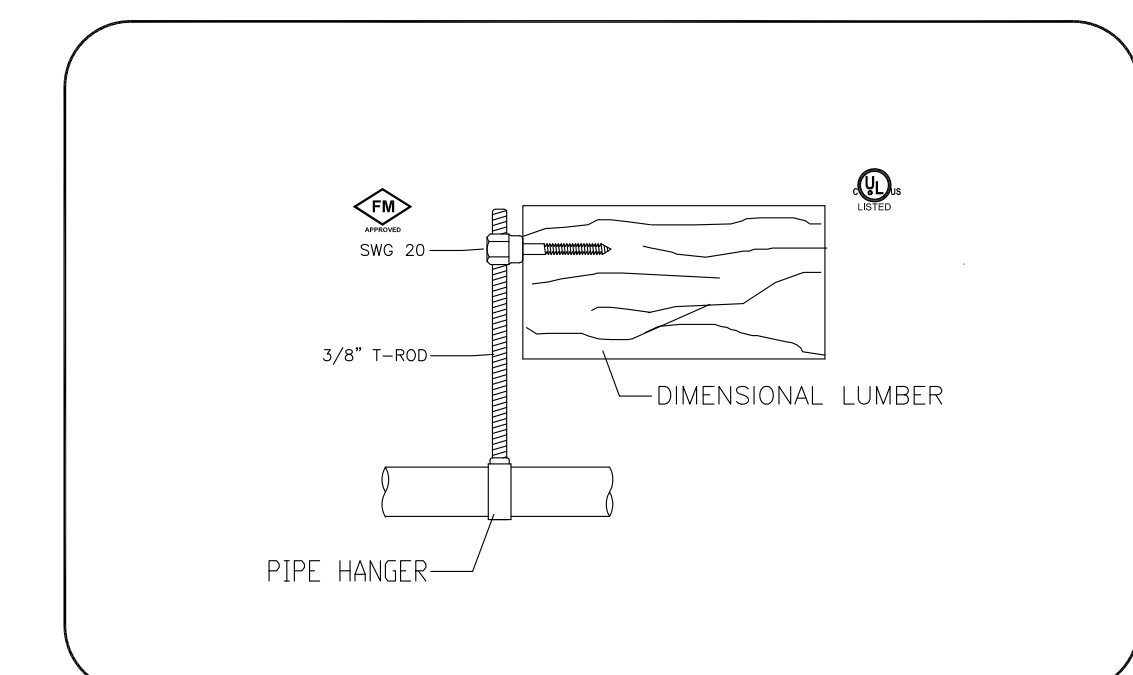
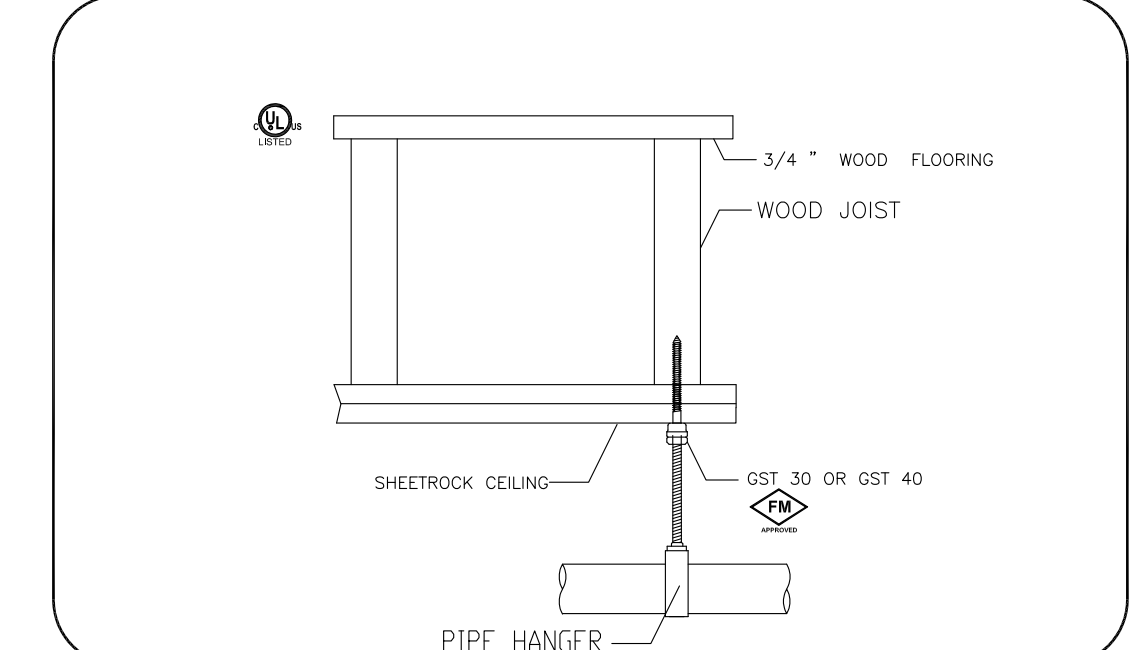
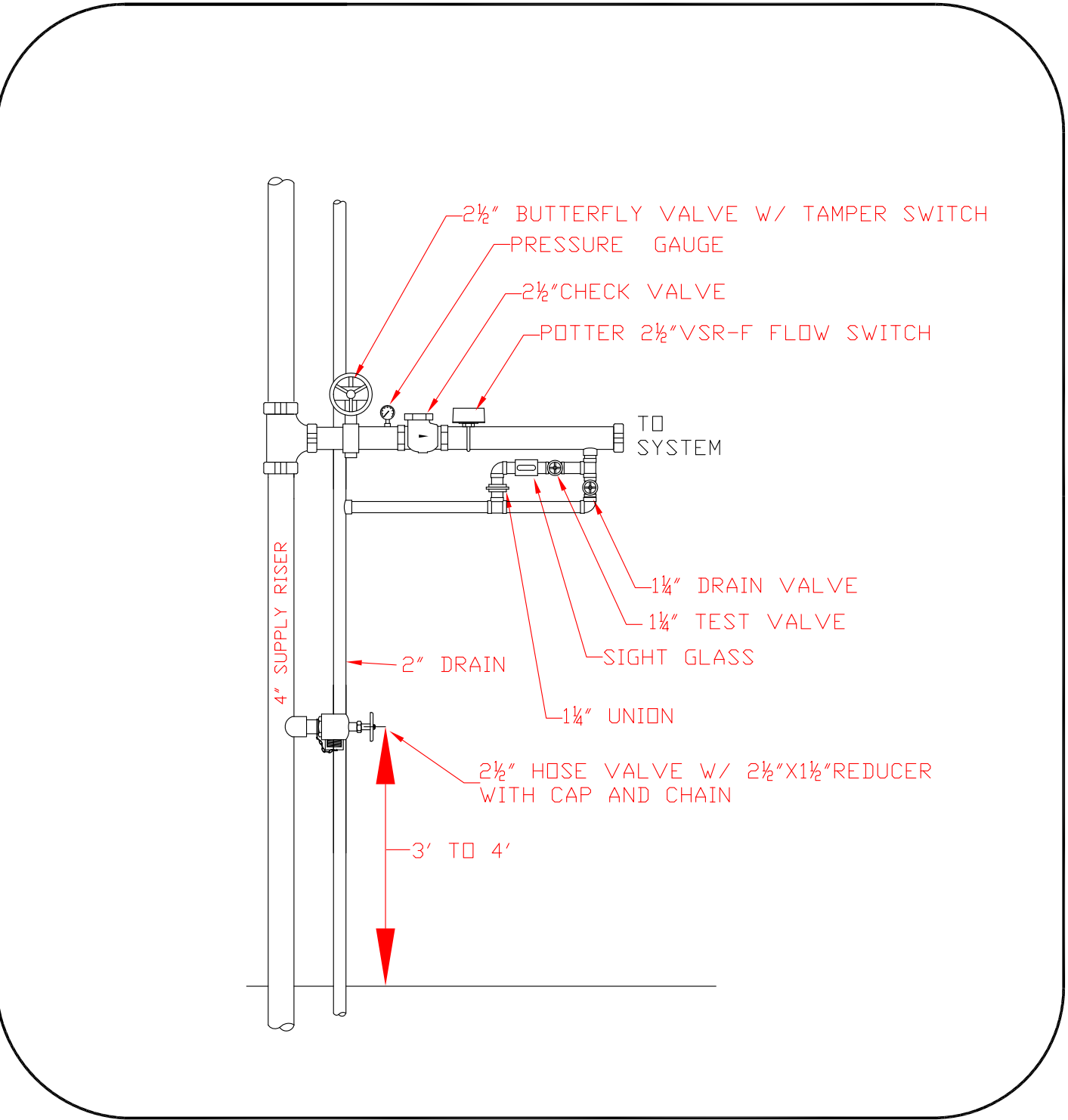
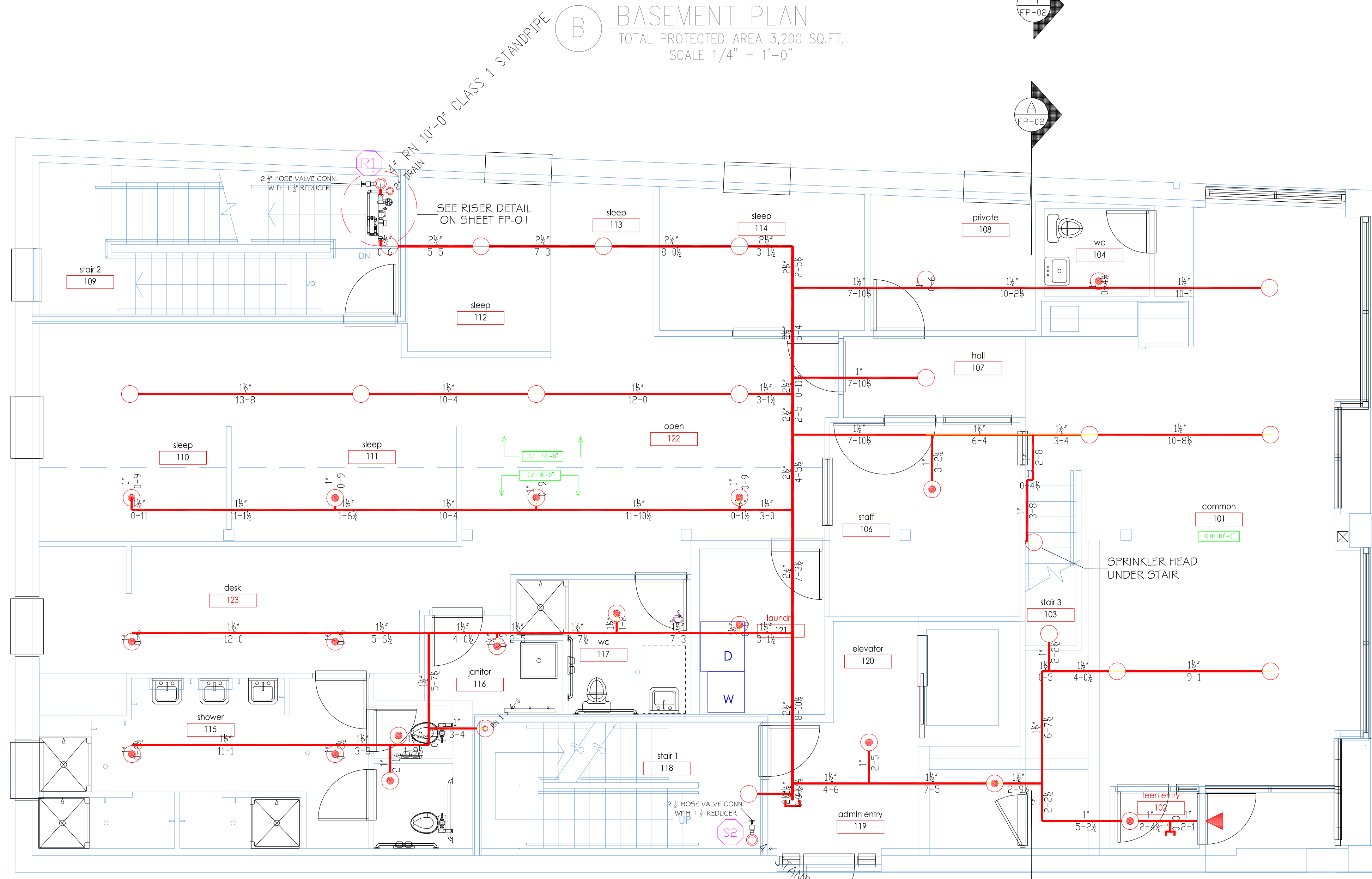
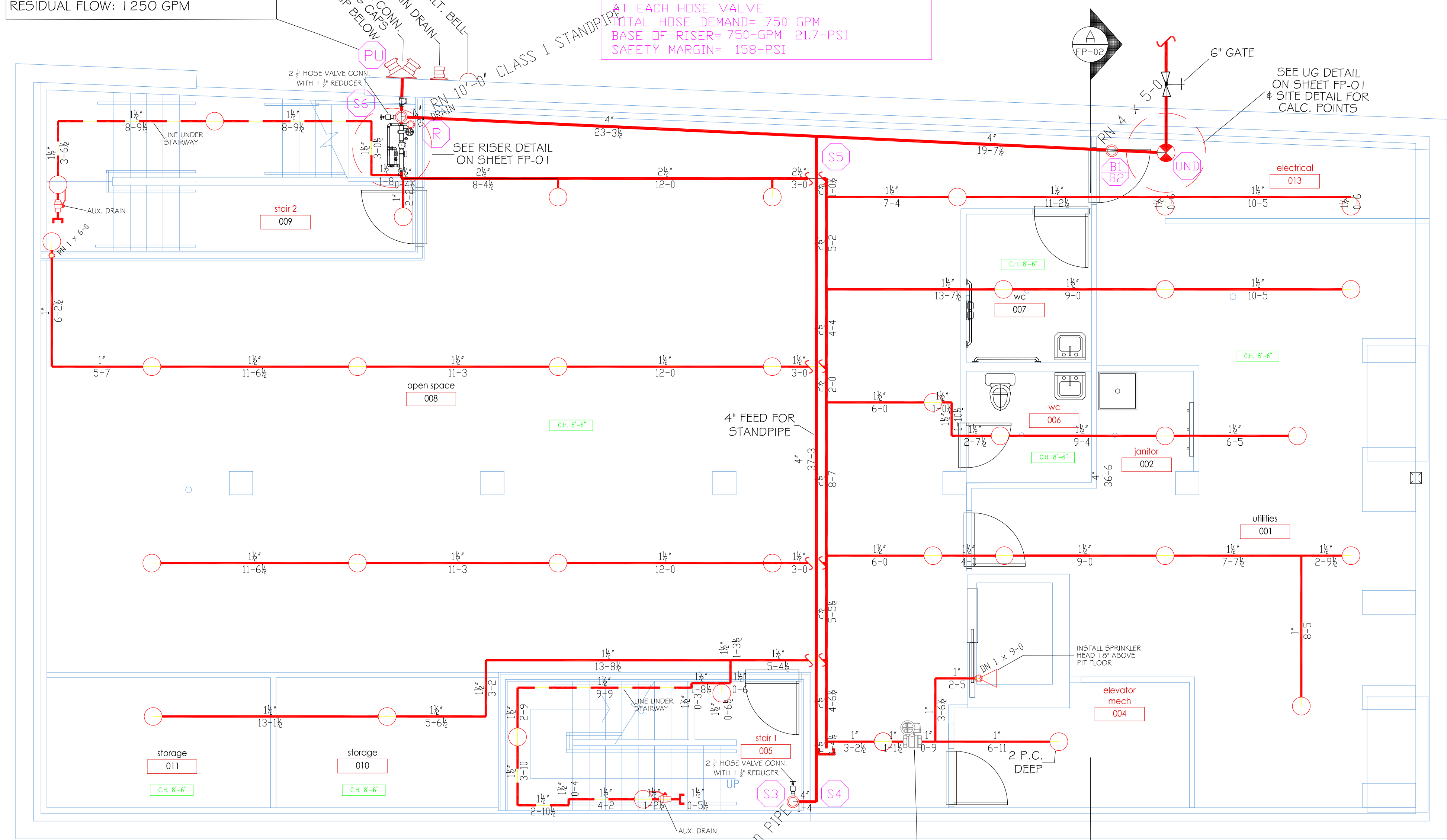
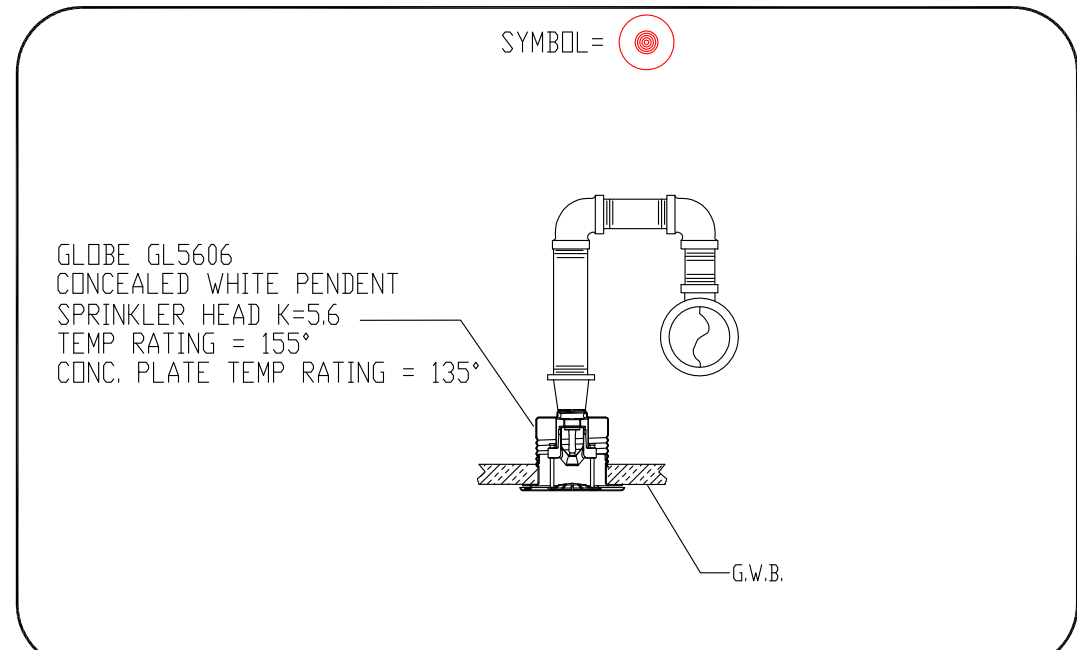
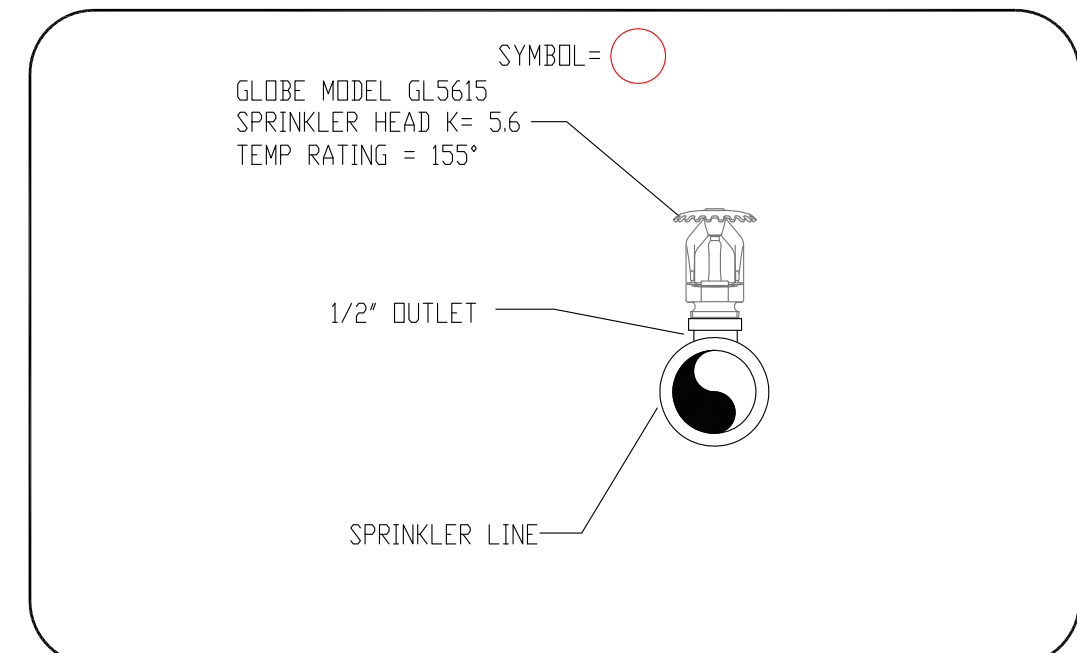
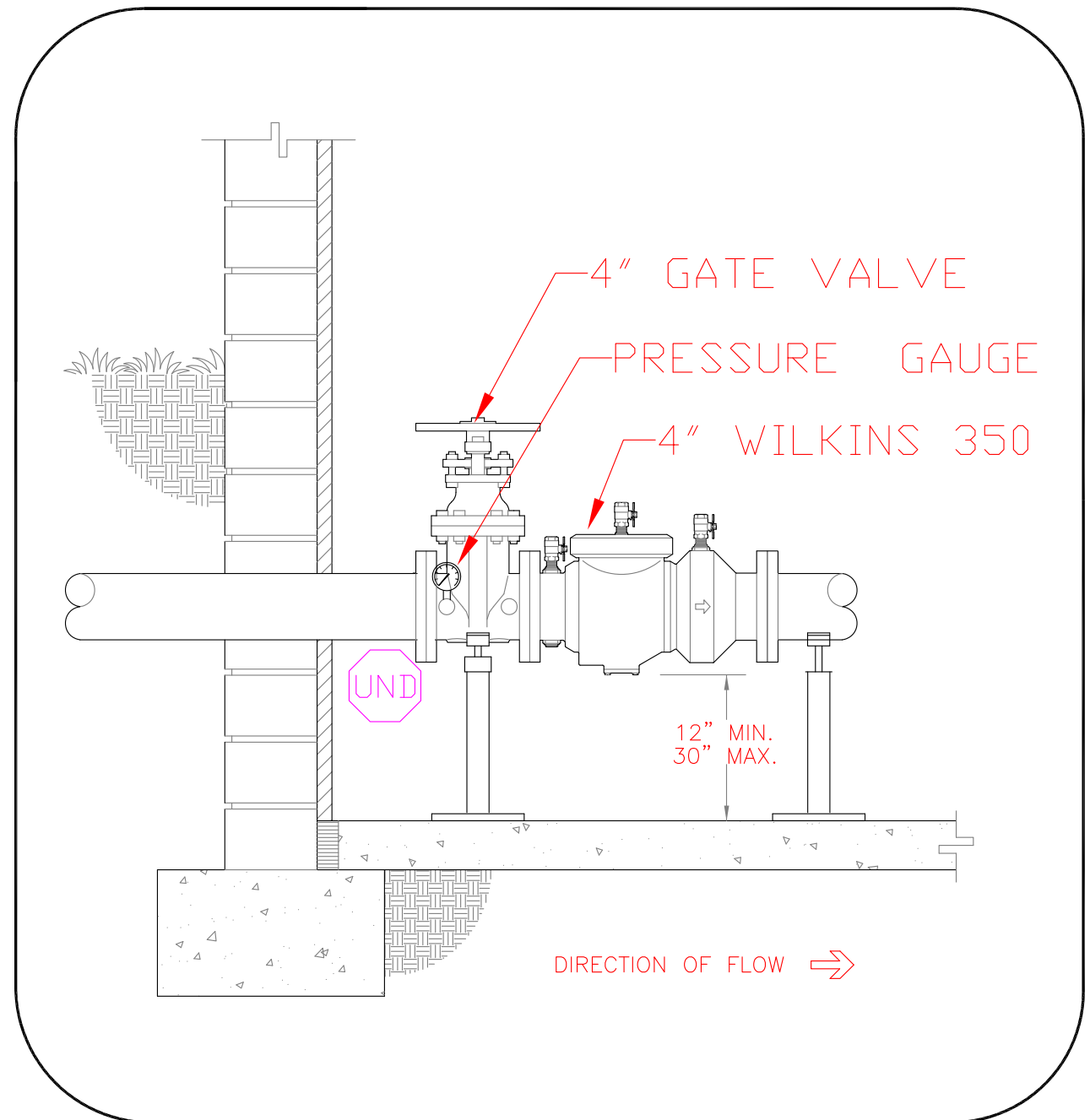
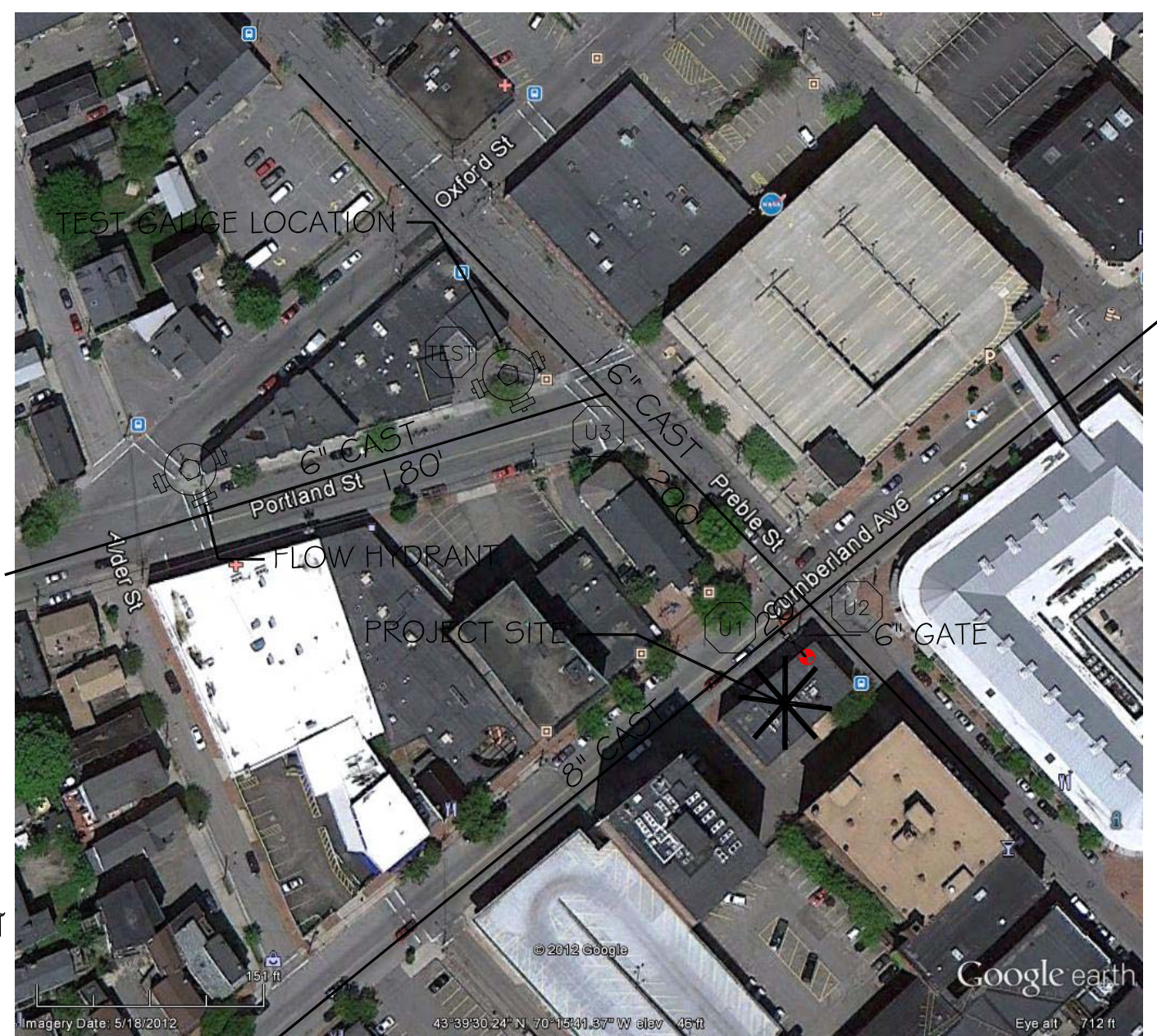
DATE: AUG 10, 2012

DESIGNER: TIM FORTIN
 NICET LEVEL: III CERT# 122193
 CHECKED BY: E. FOLUN

LOCATION:
 38 PREBLE ST.
 PORTLAND, ME

DRAWING TITLE:
 TEEN SHELTER
 FIRE PROTECTION PLAN
 (NFPA 13 2010ed.)

DRAWING NO.:
 FP-01



HA SAMMY HANGER DETAILS
 SCALE: N.T.S.