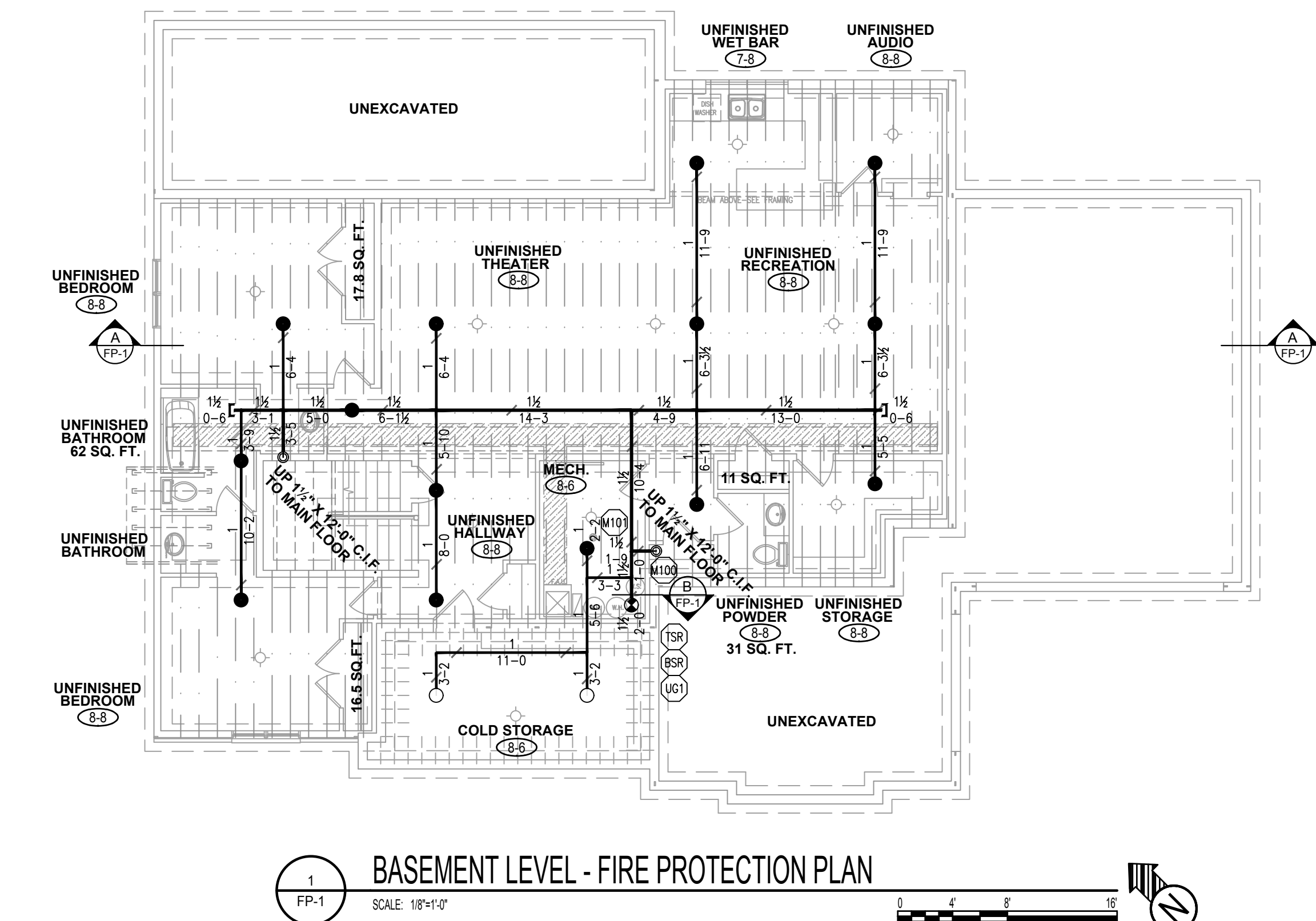
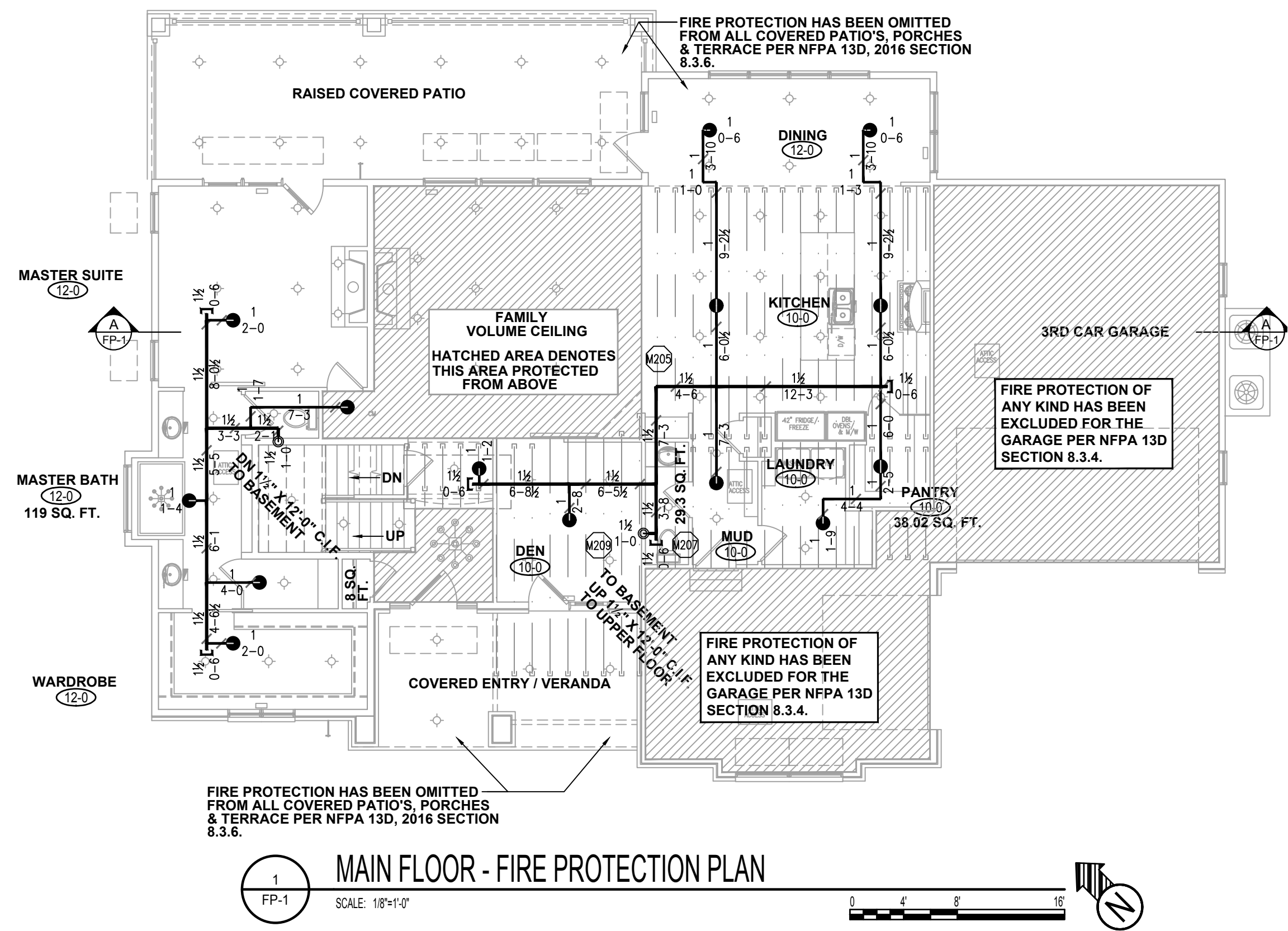




CAUTION: FOR AREAS HAVING TEMPERATURES OF 0°F (-18°C) OR LOWER, AN ADDITIONAL BATT OF INSULATION COVERING THE JOIST & FIRE SPRINKLER PIPING SHOULD BE USED. IF THIS IS NOT DONE, FREEZE-UPS CAN OCCUR IN THE SPRINKLER PIPING.

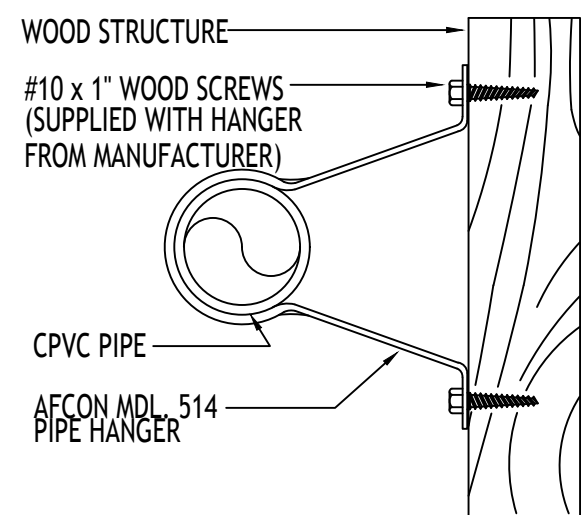
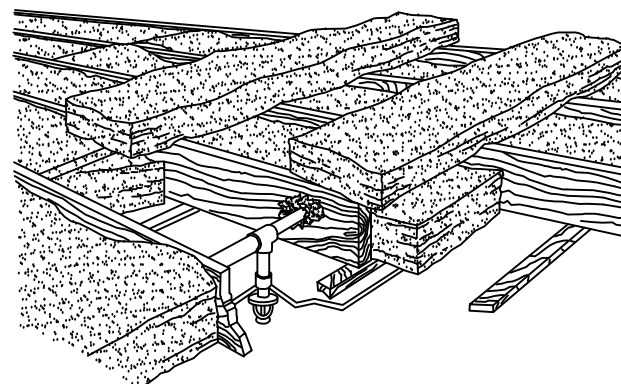
LOOSE PIECES OF INSULATION SHOULD BE STUFFED IN THE BORED HOLES AROUND THE PIPING. IF THIS IS NOT DONE, FREEZE-UPS CAN OCCUR IN THE SPRINKLER PIPING.

IT IS IMPORTANT THE INSULATION BE INSTALLED TIGHT AGAINST THE JOISTS. IF THIS IS NOT DONE, FREEZE-UPS CAN OCCUR IN THE SPRINKLER PIPING.

CARE SHOULD BE TAKEN TO AVOID COMPRESSING THE INSULATION, THIS REDUCES "R" VALUE. IF THIS IS NOT DONE, FREEZE-UPS CAN OCCUR IN THE SPRINKLER PIPING.

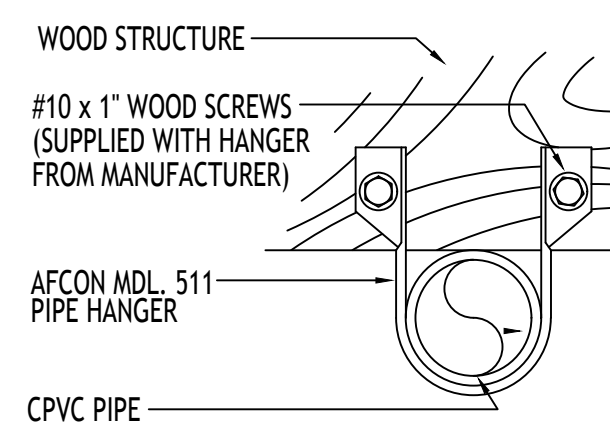
ATTIC PIPE INSULATION DETAIL

SCALE: N.T.S. - BY OTHERS



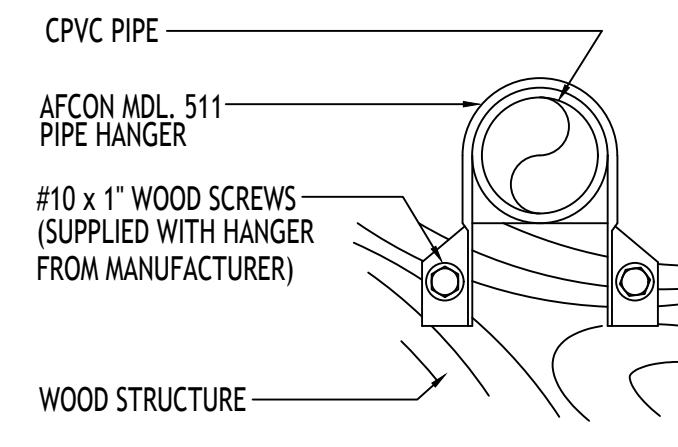
CONVENTIONAL WOOD JOIST HANGER

SCALE: N.T.S.



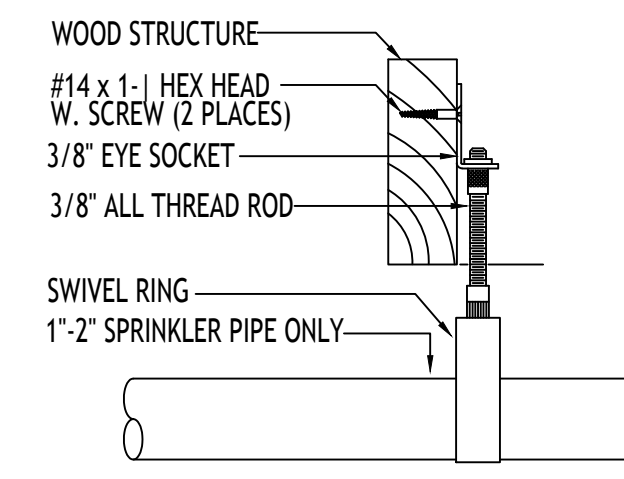
CONVENTIONAL WOOD JOIST HANGER

SCALE: N.T.S.



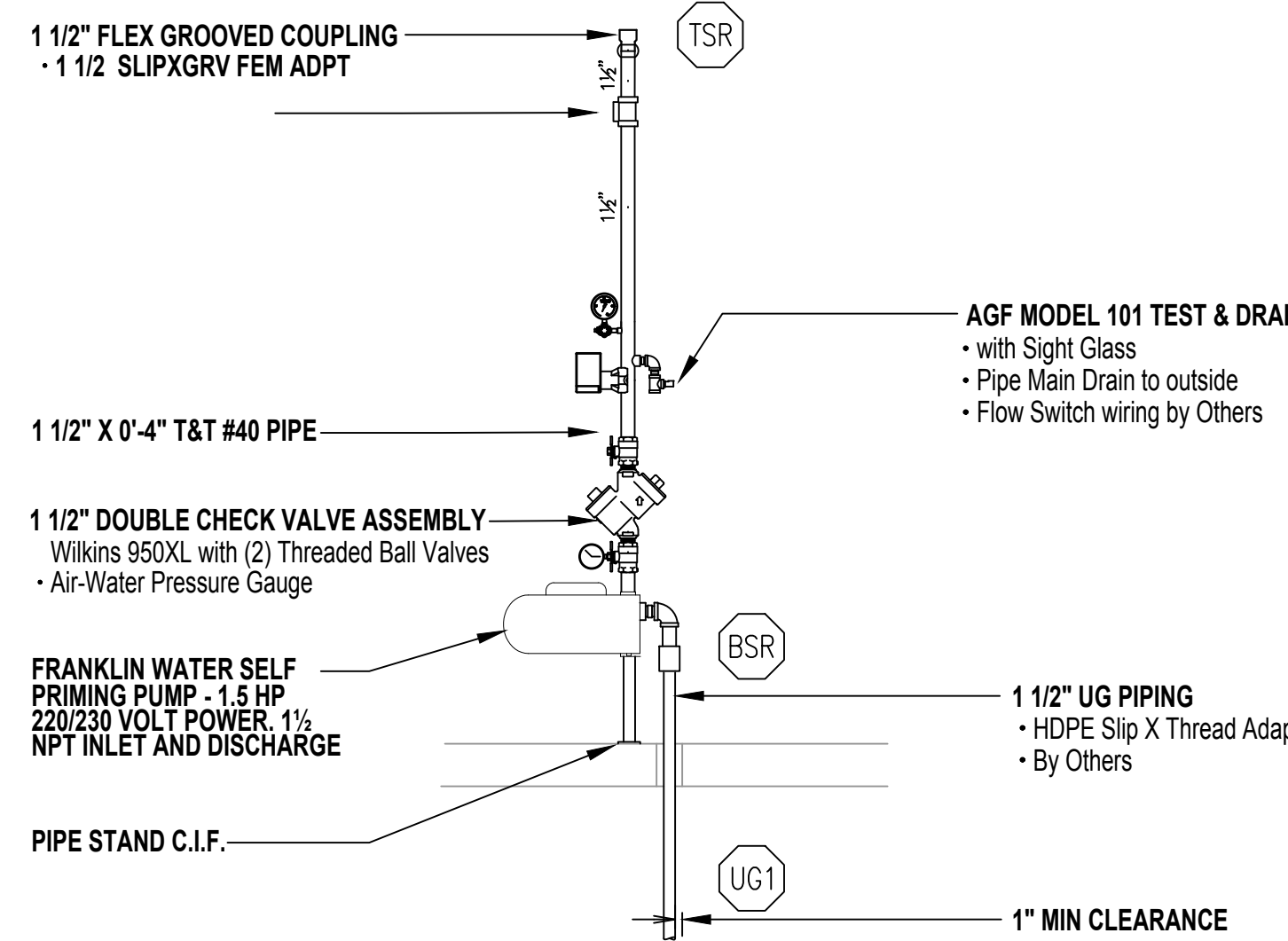
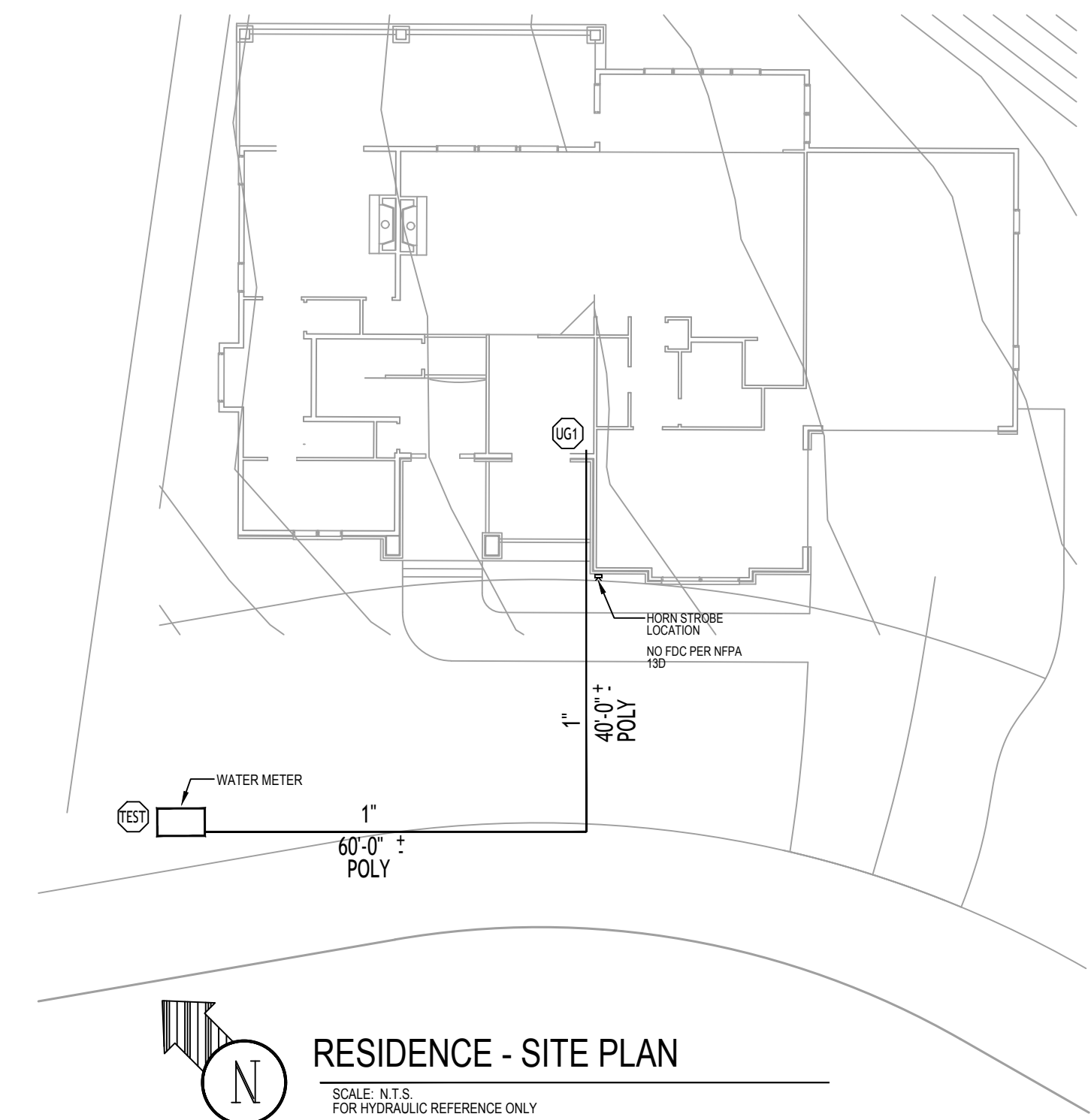
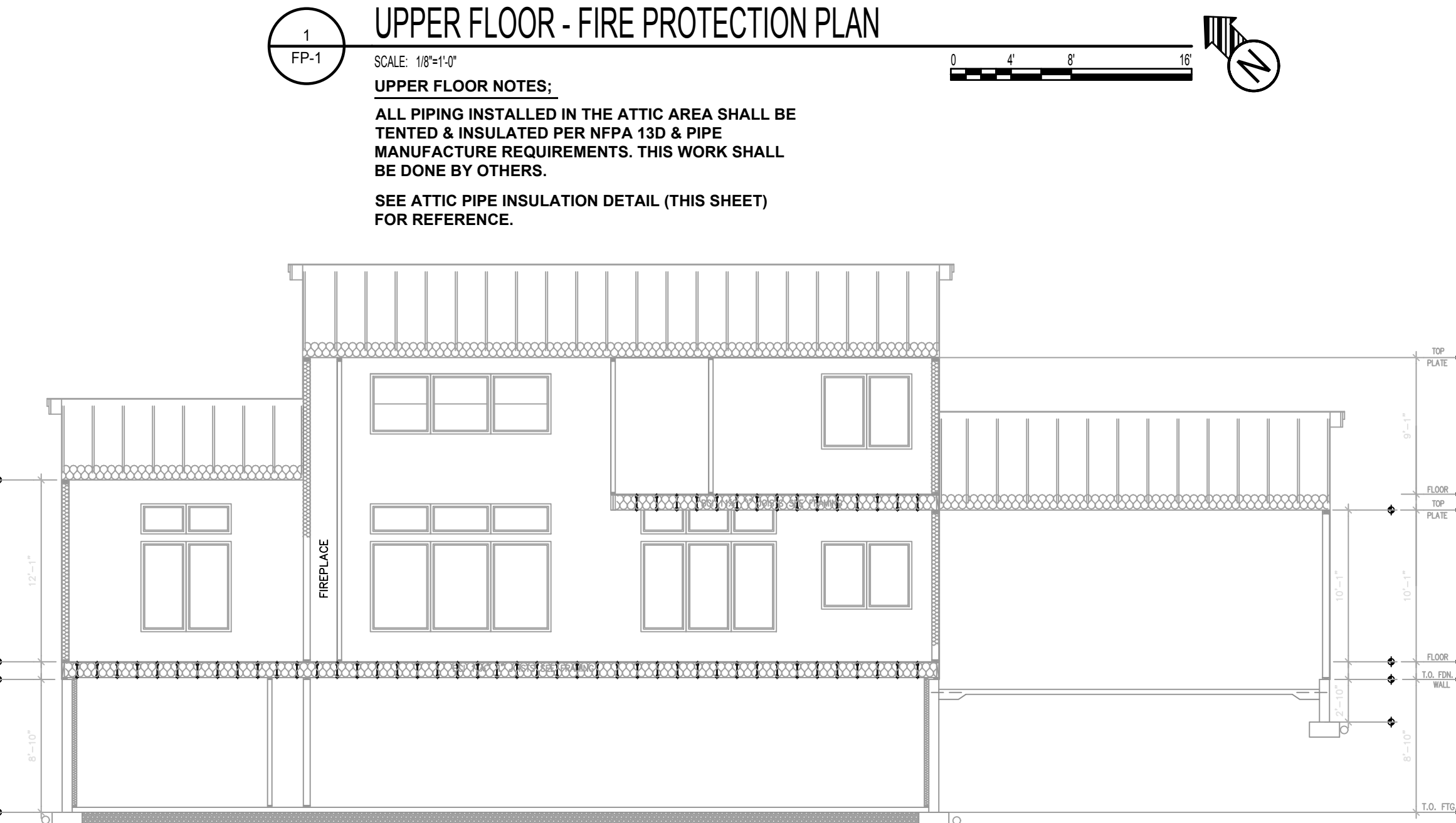
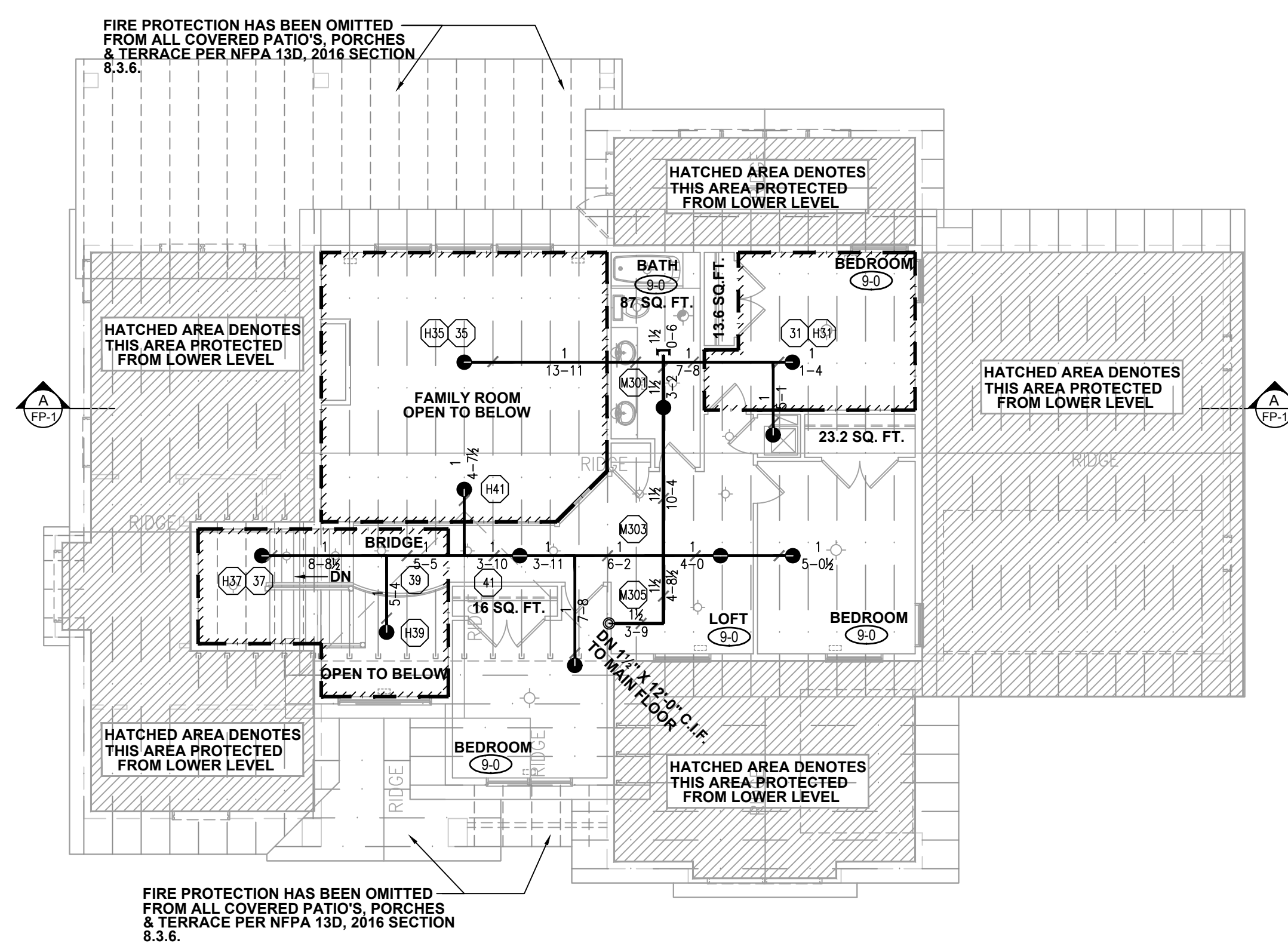
CONVENTIONAL WOOD JOIST HANGER

SCALE: N.T.S.



CONVENTIONAL WOOD JOIST HANGER

SCALE: N.T.S.



DESIGN NOTES:

BASEMENT, MAIN FLOOR AND UPPER FLOOR SHALL BE DESIGNED FOR A ONE AND TWO FAMILY RESIDENCE WITH A DENSITY OF .05 OVER THE MOST REMOTE TWO SPRINKLERS.

A. RELIABLE RFC49 CONCEALED PENDENT SPRINKLER 20" X 20" K=4.9.

ALL MATERIALS USED SHALL BE U.L. LISTED FOR USE IN AUTOMATIC FIRE SPRINKLER SYSTEMS

ALL PIPING (EXCLUDING SYSTEM RISER) TO BE CPVC PLASTIC PIPE AND FITTINGS.

ALL PIPING IS TO HAVE HANGERS AND SUPPORTS PER NFPA 13 AND CPVC PIPE MANUFACTURE REQUIREMENTS.

UPON COMPLETION ALL PIPING IS TO BE TESTED PER NFPA 13D AT SYSTEM PRESSURE AND WITNESSED BY THE AUTHORITY HAVING JURISDICTION.

ALL PENDENT SPRINKLERS SHALL BE SPACED A MINIMUM OF 36" FROM PENDENT LIGHT FIXTURES AND CEILING FANS PER NFPA 13D.

AN ELECTRIC HORN STROBE SHALL BE PLACED ON THE OUTSIDE OF THE STRUCTURE AND VISIBLE FROM THE STREET AND ACTIVATED UPON A WATER FLOW CONDITION.

PENDENT SPRINKLERS ARE NOT REQUIRED TO BE ALIGNED WITH EACH OTHER OR ANY OTHER CEILING FEATURE.

SYSTEMS SHALL BE WET PIPE TYPE. ALL PIPING IN UNHEATED ATTICS, GARAGES OR EXTERIOR WALLS TO BE INSULATED BY OTHERS. PIPING BETWEEN HEATED FLOORS DOES NOT REQUIRE INSULATION.