

NFPA 13-D One & Two Family Dwelling Sprinkler Systems-

1.0 Plan Requirements

- 1.1 Plans/design drawings shall be provided on separate sheets and designated as FP1, FP-2, etc.
- 1.2 Plans need to be of sufficient scale to be clear and concise.
(Minimum Scale 1/8" = 1'-0).
- 1.3 Plans/design drawings need to clearly indicate the type(s) of system(s) being utilized.
- 1.4 Incorporate completed Sprinkler Design Data sheet as a part of the first sheet (FP-1) of each set of Fire Protection Plans (Include: Size & type of domestic line, length to city connection, water meter size, and Current static water pressure).
- 1.5 Floor Plans (Interior walls and other obstructions).
- 1.6 Piping layout, type of pipe, sizes, hangers, materials, locations of walls/doors/shutters/etc. and identify use of all rooms and areas.
- 1.7 Sprinkler head layout, head spacing and identification of use of rooms and areas.
- 1.8 Hanger details including spacing chart, trapeze chart, and complete hanger attachment details.
- 1.9 Sprinkler Head Details – (Model, manufacturer, temperature, orifice size, and spacing requirements of sprinklers)
- 1.10 Elevation view of sprinkler main, riser nipple, branch line, sprig-up, pendent drop with outlet sizes shown.
- 1.11 Symbols and legend (see details).
- 1.12 Preliminary hydraulic calculations (Including 30 minute water supply, storage tanks, pumps, etc.)
- 1.13 All multipurpose single family residential plumbing and fire sprinkler piping systems are required to be designed by a licensed NC Fire Sprinkler Installation Contractor or NC licensed Professional Engineer (per 21 NCAC 50.0516 of State Board of Examiners of Plumbing, Heating & Fire Sprinkler Contractors).