

- 20 Location and size of riser nipples.
- 21 Type of fittings and joints and locations of all welds and bends. The contractor shall specify on drawing any sections to be shop welded and the type of fittings or formations to be used.
- 22 Type and locations of hangers, sleeves, braces and methods of securing sprinklers when applicable.
- 23 All control valves, check valves, drain pipes and test connections.
- 24 Make, model, type and size of alarm or dry pipe valve.
- 25 Make, model, type and size of deluge or preaction valve.

- 27 Size and location of standpipe risers, hose outlets, hand hose, monitor nozzles, and related equipment.
- 28 Private fire service main sizes, lengths, locations, weights, materials, point of connection to city main; the sizes, types and locations of valves, valve indicators, regulators, meters and valve pits; and the depth that the top of the pipe is laid below grade.
- 29 Piping provisions for flushing.
- 30 Where the equipment is to be installed as an addition to an existing system, enough of the existing system indicated on the plans to make all conditions clear.
- 31 For hydraulically designed systems, the information on the hydraulic data nameplate.
- 32 A graphic representation of the scale used on all plans.
- 33 Name and address of contractor.
- 34 Hydraulic reference points shown on the plan that correspond with comparable reference points on the hydraulic calculation sheets.
- 35 The minimum rate of water application (density), the design area of water application, in-rack sprinkler demand, and the water required for hose streams both inside and outside.
- 36 The total quantity of water and the pressure required noted at a common reference point for each system.
- 37 Relative elevations of sprinklers, junction points and supply or reference points.
- 38 If room design method is used, all unprotected wall openings throughout the floor protected.
- 39 Calculation of loads for sizing and details of sway bracing.
- 40 The setting for pressure-reducing valves.
- 41 Information about backflow preventers (manufacturer, size, type).
- 42 Information about anti-freeze solution used (type and amount).
- 43 Size and location of hydrants, showing size and number of outlets and if outlets are to be equipped with independent gate valves. Whether hose houses and equipment are to be provided, and by whom, shall be indicated. Static and residual hydrants that were used in flow tests shall be shown.
- 44 Size, location and piping arrangement of fire department connections.