

PLAN REVIEW CHECKLIST

Date Documents Submitted: _____

Log No.: _____

File No.: _____

Property Information

Building Name: _____

Building Address: _____

Owner's Name: _____

Owner's Address: _____

Owner's Phone: _____ Fax: _____ E-mail: _____

System Designer/Contractor

Company Name: _____

Company Address: _____

Contact Person (Designer): _____

Designer Qualifications: _____

Phone: _____ Fax: _____ E-mail: _____

General

NFPA 13 used in the system design and proposed installation (If no, utilize NFPA 13D or 13R checklist) Yes No

New system or a change to an existing system: New Change to existing

Square footage of the project: _____

Construction type:

- Fire resistive Non-combustible Ordinary Heavy timber Wood frame Mixed

Building Use and Occupancy Classification

Applicable building code: _____ Edition: _____

NFPA 13, *Standard for the Installation of Sprinkler Systems* Edition: _____

Other _____

- Sprinkler required by building or fire code
- Sprinkler system required by local ordinances
- Sprinkler system required for equivalency, alternative level of protection, etc.
- Sprinkler system not required, property owner voluntary safety improvements
- Other _____

Occupancy classification:

- | | | | |
|--|---|---|---|
| <input type="checkbox"/> One- or two-family dwelling | <input type="checkbox"/> Day care | <input type="checkbox"/> Hotel/dormitory | <input type="checkbox"/> Residential board and care |
| <input type="checkbox"/> Ambulatory health care | <input type="checkbox"/> Detention and correctional | <input type="checkbox"/> Industrial | <input type="checkbox"/> Storage |
| <input type="checkbox"/> Apartment | <input type="checkbox"/> Educational | <input type="checkbox"/> Lodging or rooming house | <input type="checkbox"/> Underground |
| <input type="checkbox"/> Assembly | <input type="checkbox"/> Health care | <input type="checkbox"/> Mercantile | <input type="checkbox"/> Windowless |
| <input type="checkbox"/> Business | <input type="checkbox"/> High-rise | | |
| <input type="checkbox"/> Other _____ | | | |



- Yes No Flow test “conducted by” contact information on plans
- Yes No Size of main indicated:
 - Dead-end main Looped main

Other sources of water supply, with pressure or elevation: _____

Private Fire Service Mains

Is the following information provided?

- Yes No Sizes of mains
- Yes No Pipe lengths
- Yes No Pipe locations
- Yes No Weights
- Yes No Pipe materials
- Yes No Point of connection to city main
- Yes No Sizes, types, and locations of valves
- Yes No Sizes, types, and locations of valve indicators
- Yes No Sizes, types, and locations of regulators
- Yes No Sizes, types, and locations of meters
- Yes No Sizes, types, and locations of valve pits
- Yes No Depth of top of pipe laid below grade

Construction

Is the following information provided on plans/specification?

- Yes No Full-height cross-sectional of structural and ceiling construction
- Yes No Location of partitions
- Yes No Location of fire walls
- Yes No Location and size of concealed spaces, closets, attics, and bathrooms
- Yes No Scale used

Sprinkler Components

Is the following information provided on plans/specification?

- Yes No Make, type, model, nominal K-factor of sprinklers, and sprinkler identification number
- Yes No Temperature rating and location of high-temperature sprinklers
- Yes No Pipe type and schedule of wall thickness
- Yes No Nominal pipe size and cutting lengths of pipe (or center-to-center dimensions)
- Yes No Location and size of riser nipples
- Yes No Type of fittings and joints and location of all welds and bends
- Yes No Specifications of any sections to be shop welded and type of fittings or formations to be used
- Yes No Type and location of hangers, sleeves, braces, and methods of securing sprinklers when applicable
- Yes No All control valves, check valves, drain pipes, and test connections
- Yes No Make, type, model, and size of alarm, dry pipe, preaction, or deluge valves
- Yes No Size and location of standpipe risers, hose outlets, hand hose, monitor nozzles, and related equipment
- Yes No Calculation of loads for sizing and details of sway bracing
- Yes No Setting for pressure-reducing valves

- Yes No Manufacturer, size, type of backflow preventers
- Yes No Type and amount of antifreeze solution used
- Yes No Is a pressure gauge indicated on the system and the supply

Design

Is the following information provided on plans/specification?

- Yes No Total area protected by each system on each floor
- Yes No Number of sprinklers on each riser per floor
- Yes No N/A Total number of sprinklers on each dry pipe, preaction, combined dry pipe-preaction, or deluge system
- Yes No N/A Approximate capacity (in gallons) of each dry pipe system
- Yes No Piping provisions for flushing
- Yes No Where equipment is to be installed as an addition to an existing system, enough of the existing system indicated to make all conditions clear
- Yes No Hydraulic data nameplate (for hydraulically designed systems)
- Yes No Hydraulic reference points shown on the plan that correspond with comparable reference points on the hydraulic calculation sheets
- Yes No Most demanding area is calculated
- Yes No Pipe sizes and lengths shown on the plan correspond with the sizes and lengths shown on the hydraulic calculations sheets
- Yes No Minimum rate of water application (density), design area of water application, in-rack sprinkler demand, and water required for inside and outside hose streams
- Yes No Total quantity of water and pressure required noted at a common reference point for each system
- Yes No Relative elevations of sprinklers, junction points, and supply or reference points
- Yes No If room design method is used, all unprotected wall openings throughout the floor protected
- Yes No Pressure loss for backflow preventor and/or meter included in hydraulic calculations

Fire Department Connection(s), Alarms, Fire Hydrants

Is the following information provided on plans/specification?

- Yes No Size, location, and piping arrangement of fire department connections
- Yes No Kind and location of alarm bells
- Yes No Fire alarm system connection
- Yes No Size and location of hydrants (showing size and number of outlets and whether outlets to be equipped with independent gate valves)
- Yes No Whether hose houses and equipment are to be provided

If yes, by whom: _____

Approval

Reviewer: _____ Date: _____

Approved Yes No

If no, reason(s):

Notes: