



Community Development Department

200 EAST WOOD STREET • PALATINE, IL 60067-5339

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Village of Palatine Fire Sprinkler Systems Technical Submissions Check list

Per IL SB1384, (d). "A building permit for a building that requires a fire protection suppression system shall not be issued without the submission of a technical submission prepared and sealed by a licensed design professional." A licensed design professional is defined as an Architect, P.E or licensed Fire Protection Engineer.

Please provide all of the information below on the stamped submittal. Plans with incomplete information will not be accepted. All lines must be completed. Please list NA if not applicable to your project.

Project name: _____

Address: _____

Codes and Standards used in the design:

NFPA 13 ____ NFPA 13R ____ NFPA 13D ____ NFPA 14 ____ Edition _____ Other _____

Hydrant Flow Information:

Static Pressure _____ Residual Pressure _____ Pitot Reading _____ Flow _____ gpm

Location of the test hydrant _____ Test port size _____

Incoming water supply size: _____ Source of the submitted data _____ Date _____

System Design Information:

Pipe type used: Sch 40 ____ Sch 10 ____ Sch 7 ____ Super 40 ____ Galvanized ____

FDC location _____

Fire pump information: Location _____ Size _____ gpm at _____ psi

Pump controller type: Across the line _____ Reduced voltage _____

Emergency power for the pump required: Yes ____ No ____

Water Storage tank: Type _____ Location _____ Size _____

Standpipes: Class _____ Locations _____

Zone valves: locations _____

Pressure reduction devices: Type _____ Setting _____ Locations _____

Total water flow from the standpipes: _____ gpm at _____ psi

Inside hose demand _____ gpm

Description of the design area:

Occupancy classification / area use per NFPA 13 _____

Ceiling slope _____ Ceiling height _____ Type of sprinkler system _____ Maximum floor area _____

Density _____ Area of application _____ Maximum coverage area per head _____

Type of sprinkler heads _____ Temperature _____ Orifice size _____

Rack storage type: Single row ____ Double row ____ Other _____ Solid shelving ____ Yes ____ No

Flue space requirements _____

Commodity classification per NFPA 13 _____ encapsulated ____ Yes ____ No

Maximum storage height: Bulk _____ Palletized _____ Shelf _____ Bin box _____ Rack _____

Maximum rack depth _____ feet Maximum aisle width _____ feet

In rack sprinkler required ____ Yes ____ No

Number of levels _____ Locations _____

Rack hydraulic criteria _____

Type of in rack heads _____ Temperature _____ Response Type _____