



# Community Development Department

200 EAST WOOD STREET • PALATINE, IL 60067-5339

Telephone (847) 359-9042

www.palatine.il.us

## 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.

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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 \_\_\_\_\_