

# AUTOMATIC FIRE SPRINKLER SYSTEM TECHNICAL SUBMISSION

Project name \_\_\_\_\_  
Project address \_\_\_\_\_  
Owner \_\_\_\_\_  
Occupant \_\_\_\_\_  
Building Official \_\_\_\_\_  
Fire Official \_\_\_\_\_

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### Year of Codes and Standards

NFPA 13 \_\_\_\_\_ ed.    NFPA 13R \_\_\_\_\_ ed.    NFPA 13D \_\_\_\_\_ ed.    Building Code \_\_\_\_\_  
NFPA 14 \_\_\_\_\_ ed.    NFPA 20 \_\_\_\_\_ ed.  
Local amendments applied \_\_\_\_\_    NFPA 72 \_\_\_\_\_    Other \_\_\_\_\_

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### Water flow test information

Date \_\_\_\_\_    Location \_\_\_\_\_    Witness \_\_\_\_\_  
Static pressure \_\_\_\_\_ psi    Residual pressure \_\_\_\_\_ psi    Flow \_\_\_\_\_ GPM  
Source \_\_\_\_\_    Seasonal or local adjustment \_\_\_\_\_  
Water quality investigation (MIC or other) \_\_\_\_\_    Results \_\_\_\_\_

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Building footprint \_\_\_\_\_ square feet    Building height \_\_\_\_\_  
Number of stories \_\_\_\_\_    Floor to floor height \_\_\_\_\_

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Water supply    Same as domestic \_\_\_\_\_    Size \_\_\_\_\_

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Type of pipe which can be used \_\_\_\_\_

Risers \_\_\_\_\_    Bulk main \_\_\_\_\_  
Cross main \_\_\_\_\_    Branch lines \_\_\_\_\_

Type of fittings which can be used \_\_\_\_\_

Backflow device/s required \_\_\_\_\_

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### Fire department connection

Type \_\_\_\_\_    Location \_\_\_\_\_

### Fire pump and controller

Size \_\_\_\_\_ gpm @ \_\_\_\_\_ psi    Type of drive \_\_\_\_\_    Voltage \_\_\_\_\_

Location of service \_\_\_\_\_    Generator required \_\_\_\_\_

Water storage tank required \_\_\_\_\_    Type of tank \_\_\_\_\_

Location of tank \_\_\_\_\_    Size of tank \_\_\_\_\_

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### Standpipes required \_\_\_\_\_

Class \_\_\_\_\_    Type \_\_\_\_\_    Location/s \_\_\_\_\_

Required flows    Top most outlet \_\_\_\_\_    Most remote \_\_\_\_\_    Total flow \_\_\_\_\_

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Required valves 1 ½ \_\_\_\_\_ 2 ½ \_\_\_\_\_

1 ½ " hose required \_\_\_\_\_

Length of hose \_\_\_\_\_

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Other \_\_\_\_\_

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Signature, seal, date



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Storage areas	Type of system _____
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Description of use of area or hazard \_\_\_\_\_

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Type of storage and maximum height	Pallet _____	Bulk _____
Shelf _____	Bin box _____	Rack _____
Minimum aisles width _____	Maximum rack depth _____	

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Commodity classification \_\_\_\_\_ Encapsulated \_\_\_\_\_

Rack type Single row \_\_\_\_\_ Double row \_\_\_\_\_ Multiple row \_\_\_\_\_ Other \_\_\_\_\_

Flue spaces Longitudinal required \_\_\_\_\_ size \_\_\_\_\_ Transverse required \_\_\_\_\_ size \_\_\_\_\_

Ceiling design criteria \_\_\_\_\_ gpm over \_\_\_\_\_ square feet

Area per sprinkler \_\_\_\_\_ square feet Stand pipe flow \_\_\_\_\_

Other water flow

Hose \_\_\_\_\_ gpm Outside hydrants \_\_\_\_\_ Special \_\_\_\_\_ gpm

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In rack or special sprinklers \_\_\_\_\_ gpm Number of levels \_\_\_\_\_

Location \_\_\_\_\_ Type \_\_\_\_\_ Temp. rating \_\_\_\_\_ Orifice size \_\_\_\_\_

Fire pump required \_\_\_\_\_ Submit graph sheet \_\_\_\_\_ gpm at \_\_\_\_\_ psi

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Required accommodations for building structure

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Required accommodations for building structure

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