# Automatic Fire Sprinkler System Technical Submission

**Project Name**

**Project Address**

**Owner**

**Occupant**

**Building Official**

**Fire Official**

**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

**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
- Building footprint square feet
- Building height
- Number of stories
- Floor to floor height
- Water supply
- Same as domestic
- Size
- Type of pipe which can be used

<table>
<thead>
<tr>
<th>Risers</th>
<th>Bulk main</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross main</td>
<td>Branch lines</td>
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**Type of Fittings which can be used**

**Backflow Device/s Required**

## 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**

**Standpipes Required**
- **Class**
- **Type**
- **Location/s**

**Required Flows**
- Top Most Outlet
- Most Remote
- Total Flow

**Required Valves**
- 1½
- 2½

**1 ½" Hose Required**

**Length of Hose**

**Other**

**Page** of **Signature, seal, date**
<table>
<thead>
<tr>
<th>Area # 1</th>
<th>Type of system</th>
<th>Description of use of area or hazard</th>
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<tbody>
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<td>Design criteria gpm over square feet</td>
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<td>Other water flow</td>
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The Professional Engineer's Practice Act changed the requirements for signing and preparation of sprinkler plans.

Before a building permit can be issued for a building with a sprinkler system, a technical submission for the sprinkler system has to be submitted and approved. This technical submission has to be signed by an Illinois licensed design professional.

The state law does not indicate the type of information which has to be submitted. The Codes and Standards Committee has developed a form, which can be used for this technical submission. Click on the link for a copy of the form.

After the technical submission has be prepared, this will allow an engineer, other licensed design professional or a NICET III or IV to prepare fire protection system layout drawings (the shop drawings). The NICET III or IV shall be in fire protection technology, automatic sprinkler system layout. The shop drawings have to be consistent with the technical submittal. Any differences have to be resolved between the person that prepared the technical submittal and the person who prepares the shop drawings.

If you have questions about the technical submission or the form contact any member of the Codes and Standards Committee.