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 14ed. NFPA 20ed. | |
| Local amendments applied | NFPA 72 Other |
| Water flow test information | |
| Date Location | Witness |
| Static pressurepsi Residual pressure | psi Flow GPM |
| Source | Seasonal or local adjustment |
| Water quality investigation (MIC or other) | |
| 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 | |
| Risers | Bulk main |
| Cross main | |
| 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 | |
| Required flows Top most outlet Most | remote Total flow |
| Required valves 1 ½ 2 ½ | |
| 1 ½ " hose required | |
| Length of hose | |
| Other | |
| Page of | Signature, seal, date |

| Area # 1 Type of | system | |
|--------------------------------------|---------------------------------------|-------------|
| Description of use of area or hazard | | |
| | | |
| | | |
| | | |
| Hazard classification | Commodity | |
| Design criteria gpm ove | | |
| Area per sprinkler square feet | Stand pipe flow | |
| Other water flow | | |
| Hosegpm Outside hy | /drants Special | gpm |
| In rack or special sprinklers gp | m Total flow required | |
| Fire pump required Submit g | graph sheet gpm at | psi |
| | | |
| Project name | | |
| | | |
| | system | |
| | | |
| · | | |
| | | |
| | | |
| Hazard classification | Commodity | |
| Design criteriagpm over | | |
| Area per sprinkler square feet | Stand pipe flow | |
| Other water flow | | |
| Hosegpm Outside hy | drants Special | gpm |
| | m Total flow required | |
| Fire pump required Submit g | graph sheet gpm at | psi |
| Area # 3 Type of | system | |
| | | |
| | | |
| | | |
| | | |
| Hazard classification | Commodity | |
| Design criteriagpm over | | |
| Area per sprinkler square feet | Stand pipe flow | |
| Other water flow | · · · · · · · · · · · · · · · · · · · | |
| Hosegpm Outside hy | drants Special | gpm |
| In rack or special sprinklers gpi | | |
| Fire pump required Submit g | raph sheet gpm at | |
| Page of | | |

| Type of storage and maximu | | Bulk | |
|--|---|---|----------------------------|
| Shelf | | | |
| Minimum aisles width | | Maximum rack depth | |
| Commodity classification | | Encapsulated | |
| Rack type Single row | Double row | Multiple row | Other |
| Flue spaces Longitudinal | required size | Transverse requ | uired size_ |
| Ceiling design criteria | gpm over | square feet | j. |
| Area per sprinkler | square feet | Stand pipe flow | |
| Other water flow | | | |
| Hose gpm | Outside hydrants | Special | gpm |
| In rack or special sprinklers | gpm | Number of levels | |
| Location | Туре | Temp. rating | Orifice size |
| Fire pump required | Submit graph sheet | gpm at | psi |
| | | | |
| Storage areas | Type of system | | |
| Storage areas | Type of system | | |
| Storage areas Description of use of area or | Type of system | | |
| Storage areas Description of use of area or Type of storage and maximu | Type of system hazard um height Pallet | Bulk _ | |
| Storage areas Description of use of area or Type of storage and maximus Shelf | Type of system hazard um height Pallet Bin box | Bulk Rack | |
| Storage areas Description of use of area or Type of storage and maximus Shelf Minimum aisles width | Type of system hazard Im height Pallet Bin box | Bulk Rack | |
| Required accommodations f Storage areas Description of use of area or Type of storage and maximus Shelf Minimum aisles width Commodity classification Rack type Single row | Type of system hazard um height Pallet Bin box | Bulk Rack Maximum rack depth | |
| Storage areas Description of use of area or Type of storage and maximu Shelf Minimum aisles width Commodity classification Rack type Single row | Type of system hazard Im height Pallet Bin box Double row | Bulk Rack Maximum rack depth Encapsulated Multiple row | Other |
| Storage areas Description of use of area or Type of storage and maximuth and the commodity classification | Type of system hazard um height Pallet Bin box Double row required size | Bulk Rack Maximum rack depth Encapsulated Multiple row Transverse requ | Other |
| Storage areas Description of use of area or Type of storage and maximus Shelf Minimum aisles width Commodity classification Rack type Single row Flue spaces Longitudinal Ceiling design criteria | Type of system hazard um height Pallet Bin box Double row required size gpm over | Bulk Rack Maximum rack depth Encapsulated Multiple row Transverse requested square feet | Other |
| Storage areas Description of use of area or Type of storage and maximutes Shelf Minimum aisles width Commodity classification Rack type Single row Flue spaces Longitudinal Ceiling design criteria Area per sprinkler | Type of system hazard um height Pallet Bin box Double row required size gpm over | Bulk Rack Maximum rack depth Encapsulated Multiple row Transverse requested square feet | Other |
| Storage areas Description of use of area or Type of storage and maximus Shelf Minimum aisles width Commodity classification Rack type Single row Flue spaces Longitudinal Ceiling design criteria Area per sprinkler | Type of system hazard um height Pallet Bin box Double row required size gpm over square feet | Bulk Rack Maximum rack depth Encapsulated Multiple row Transverse requested square feet Stand pipe flow | Othersize |
| Storage areas Description of use of area or Type of storage and maximus Shelf Minimum aisles width Commodity classification Rack type Single row Flue spaces Longitudinal Ceiling design criteria Area per sprinkler Other water flow Hose gpm | Type of system hazard um height Pallet Bin box Double row required size gpm over square feet Outside hydrants | Bulk Rack Maximum rack depth Encapsulated Multiple row Transverse requested square feet Stand pipe flow Special | Other uiredsize |
| Storage areas Description of use of area or Type of storage and maximus Shelf Minimum aisles width Commodity classification Rack type Single row Flue spaces Longitudinal | Type of system hazard um height Pallet Bin box Double row required size gpm over square feet Outside hydrants gpm | Bulk Rack Maximum rack depth Encapsulated Multiple row Transverse requested square feet Stand pipe flow Special Number of levels | Other uired size gpm |
| Storage areas Description of use of area or Type of storage and maximus Shelf Minimum aisles width Commodity classification Rack type Single row Flue spaces Longitudinal Ceiling design criteria Area per sprinkler Other water flow Hose gpm n rack or special sprinklers | Type of system hazard Im height Pallet Bin box Double row required size gpm over square feet Outside hydrants gpm Type | Bulk Rack Maximum rack depth Encapsulated Multiple row Transverse requested square feet Stand pipe flow Special Number of levels Temp. rating | Othersizegpm Orifice size |

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