

Required Building Plan Components **Union Township Fire Department**

Fire Protection Water Supplies

- Required fire flow for the structure being built.
- Available fire flow
- Fire hydrant location shall be noted and not more than 500' spacing between hydrants and 500' from any part of the building. All fire hydrant threads shall be National Standard.

Sprinkler Systems

- All hydraulic calculation data shall be current, not greater than one year old.
- Fire Department Connection shall be located in the area of the front (main) entrance to the building with a dedicated fire hydrant within 50'.
- Buildings over 12,000 sq/feet are required to be sprinklered unless exceptions apply under the code.
- Standpipe Connections shall be located in the stairwells.
- All Fire Department Connections shall be visibly marked with the building name and address the F.D.C. is servicing.
- The Post Indicator Valve for the sprinkler system shall only terminate the flow of water to the sprinkler system. In the event that private hydrants are utilized on the property and feed from the same pit a separate valve shall be installed to control the hydrant system.
- All threads shall be National Standard.

Fire Apparatus Access

- Fire department access roads shall have an unobstructed minimum width of 20'.
- Fire apparatus access roads shall be capable of supporting an imposed load of 70,000 pounds.
- Turning radius for fire apparatus shall be 90', including cul-de-sacs in residential communities
- Dead end fire apparatus access roads in excess of 150' shall have an approved turn around.

Key Boxes

- All commercial structure where twenty four hour occupancy is not available or where areas are inaccessible to security shall have a "Knox Box" key box installed and shown on the plans.
- Multi-family residential structures with secure public access areas shall have a "Knox Box" key system installed.