



## MID COUNTY FIRE PROTECTION DISTRICT

1875 Pennsylvania Ave.,  
St. Louis, MO 63133  
314-863-4018  
<http://midcountypfd.org>

The Mid County Fire Protection district enforces the 2021 ICC codes, specifically the IBC, IFC, IEBC, IFGC, and IMC and all associated NFPA standards including NFPA 70 National Electrical code.

The following are separate construction-related permits issued by the Mid County Fire Protection District that are listed alphabetically, along with the corresponding requirements:

- 1. Access Control †:** Electronic submitted PDF engineer-signed/sealed plans along with pdf spec book if applicable.
- 2. Architectural †:** Electronic submitted PDF architect-signed/sealed plans.
- 3. Fire Alarm:** Electronic submitted PDF \*engineer-signed/sealed plans with PDF spec book and battery calculations if applicable. Plans submitted directly to the Fire District. All new systems, and all existing systems with all devices and headend replaced, are required to be UUFX certified.
- 4. Fire Stop Binder:** Electronic submitted PDF \*engineer-signed/sealed binders complete with all UL and Fire-stopping systems being used on the job. Required for large additions or renovations and on all new construction.
- 5. Hood Suppression:** Electronic submitted PDF engineer-signed/sealed plans. Plans submitted directly to the Fire District and must include flow rates and total amounts required from all nozzles.
- 6. Racking †:** Electronic submitted PDF engineer-signed/sealed plans. Plans must include an analysis and stamped summary letter from a fire protection engineer confirming that the existing sprinkler system is sufficient to protect the proposed commodities to be stored and the manner in which they are to be stored. A floor plan with aisle dimensions, racking heights, and a commodities list is required.
- 7. Site:** Electronic submitted PDF \*engineer-signed/sealed plans. Plans submitted directly to the Fire District. Plans must include separate sheets that illustrate: A) fire apparatus access roads including widths that illustrate acceptable access about the property and B) vehicle movements about the property based on the specifications of our largest apparatus. Specs are available upon request and must be used when calculating truck movements.



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**8. Solar †:** Electronic submitted PDF engineer-signed/sealed plans.

**9. Sprinkler:** Electronic submitted PDF \*\*engineer-signed/sealed plans. Plans submitted directly to the Fire District. A safety factor shall be applied to all flow tests for automatic sprinkler systems. A parallel curve shall be drawn to the actual flow test curve that has been reduced by 20% of the static pressure. An automatic sprinkler system design shall not exceed the 20% curve. *Safety margins must be illustrated in psi and %.*

**10. Underground:** Electronic submitted PDF \*engineer-signed/sealed plans. Plans submitted directly to the Fire District. Plans must include existing and proposed water mains and fire hydrants, and results of water flow testing, seismic considerations, and connection methods.

Note:

**† - Effective 03/01/2023 listed permits will require approval of the City of appropriate jurisdiction or St. Louis County prior to submission to the fire district.**

***All revisions must be accompanied by a cover letter that outlines the scope of changes.***

\*Designer must be NICET-level two or higher. If the designer is not an engineer, plans must still be sealed/signed by an engineer.

\*\*Must be a fire protection engineer.

**All New construction inspections will not be conducted without prior review of site and underground plans.**