



Village of Itasca

Community Development Department
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Racking Review Submittals

The following is a list of items that need to be included with your submittal to the Village of Itasca/Itasca Fire District for review. Please note the following is only applicable depending on the scope of the project. Please refer to the Village Code to find the current standards and amendments. [Village of Itasca: Code](#)

This checklist is an effort to help provide a uniform approach for the design community and to provide owners and fire alarm designers with complete fire alarm design and submittal package requirements. By including all the necessary information requested it is the intent of this document to provide efficient and appropriate turnaround of the plans submitted.

Please note the following important information regarding the installation, renovation, addition, and/or maintenance of any fire alarm system:

- It is the responsibility of the installer/designer to assure that all applicable Code requirements are followed. (Review the Village Code to find the current standard and amendments)
- No installation shall be started until the plans have been reviewed and approved.

Fire Code

- A floor plan of the building showing location and dimension of the storage and the high – piled storage areas
- Key plan as necessary
- Egress plan, including exits, egress path, exit signage, emergency lighting exit discharge and exit access
- The maximum height of product storage in these areas
- The number of tiers with each rack
- The aisle dimension between each storage array
- The maximum pile volume for each storage array
- How will the product be packaged?

- Location and classification of commodities in accordance with IFC section 3203.
- What type of pallets will the product be stored on?
 - See 3203.10 when plastic pallets are used
- Will the product packaging be banded or encapsulated
- Commodity clearance between the top of storage and the sprinkler deflector for each storage arrangement
- The location of required fire department access doors, when required
- The type of provided fire protection systems
- Information on any smoke control systems or smoke and heat venting systems
- Location of valves the water supply of ceiling and in rack sprinklers
- Type, location, and specification of smoke removal and curtain board systems when required
- Dimensions and location of transverse and longitudinal flue space
- Site plans with hydrant locations

Additional submittal requirements

- Structural plan (signed /sealed by Illinois Licensed Structural Engineer or Architect) as well as associated structural calculation include design loads
 - Specific sheets on Manufacturing Racking systems
 - Calculation and Specification for the anchor bolts being used
- Detail of racking system
 - Any other structural information for the racking system = Elevations and details of all structural components, connection, rack heights and widths, shelf heights and widths applicable design loads for rack shelves levels and shelf types (solid, slated, wired grid or open) shall be provided on the full- size plan sheets demonstrating compliance with the engineered design calculations
- Commodity statement summarizing specific material and amounts. For Hazardous materials, provide a Summary of Materials
- Fire Alarm systems (if applicable)
- Electrical drawing if new installation of emergency system or equipment 9
- Special inspections- Provide information as to the type and frequency of inspection as well as the proposed party conducting the inspections