



HIGH-PILED/ HIGH RACK STORAGE

These guidelines are intended to provide the minimum submittal requirements for obtaining a High-Pile/High-Rack Storage Permit. Additional requirements and/or information may be required based upon the individual project.

All High-Pile/High-Rack combustible storage for the purposes of these guidelines and any other guidelines or requirements of the Rockwall Fire Prevention Education and Investigation (FPE&I) Division shall conform to the 2021 International Fire Code, as adopted and amended by the City of Rockwall.

These guidelines do not replace, nor supersede any codes and/or ordinances adopted by the City of Rockwall, or determinations and positions of the Rockwall FPE&I Division.

General Requirements

- 1) High-piled/High-Rack storage is the storage of combustible materials in closely packed piles or combustible materials on pallets, in racks or on shelves where the top of storage is greater than 12-feet in height.
- 2) High-piled combustible storage also includes certain high-hazard commodities, such as rubber tires, Group A plastics, flammable liquids, idle pallets and similar commodities, where the top of storage is greater than 6-feet in height.
- 3) A rack storage plan is required prior to fire sprinkler plan approval.
- 4) All rack storage that requires a permit will be required to have a minimum of 6" clearance in the longitudinal flue space. A mechanical means shall be provided to maintain flue space.
- 5) The construction documents for a High-Pile/High-Rack Storage Permit may be concurrently submitted for review with the building plans, providing all of the below information is provided.

Submittal Requirements

- 6) A. P..E. seal is required on all construction/specification plans.
- 7) Construction Plan submittal package shall include the following:
 - a) A scaled copy of the Site Plan showing location of fire lane.
 - b) Floor plan of the building showing locations and dimensions of High-Pile/High-Rack storage areas, and any fixtures.
 - c) Usable storage height for each storage area.
 - d) Number of tiers within each rack, if applicable.
 - e) Commodity clearance between top of storage and the sprinkler deflector for each storage arrangement.
 - f) Aisle dimensions between each storage array.
 - g) Maximum pile volume for each storage array.
 - h) Construction and engineering drawings for the rack system.
 - i) Location and classification of commodities in accordance with IFC.
 - j) Location of commodities, which are banded or encapsulated.
 - k) Location of required fire department access doors.
 - l) Type of fire suppression and fire detection systems.
 - m) Location of valves controlling the water supply of ceiling and in-rack sprinklers.
 - n) Type, location, and specifications of smoke removal and curtain board systems.
 - o) Dimensions and location of transverse and longitudinal flue spaces.



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- 8) Please upload the following documents when submitting your permit online:
1. Construction Plans – including P.E. seal
 2. Equipment/Product Data Cutsheets
 3. Description of Location of Commodities and Classification