



TECHNICAL BULLETIN
Planning & Development Services
Building Inspections Division

Topic: Racking Submittal Requirements

Racking arrays must be engineered by a State of Texas licensed Engineer.

2015 IFC; 3201.3 Construction documents.

At the time of building permit application for new structures designed to accommodate high-piled storage or for requesting a change of occupancy/use, and at the time of application for a storage permit, plans and specifications shall be submitted for review and approval. In addition to the information required by the International Building Code, the storage permit submittal shall include the information specified in this section. Following approval of the plans, a copy of the approved plans shall be maintained on the premises in an approved location. The plans shall include all of the following:

- Floor plan of the building showing locations and dimensions of high-piled storage areas.
- Usable storage height for each storage area.
- Number of tiers within each rack, if applicable.
- Commodity clearance between top of storage and the sprinkler deflector for each storage arrangement.
- Aisle dimensions between each storage array.
- Maximum pile volume for each storage array.
- Location and classification of commodities in accordance with Section 3203.
- Location of commodities that are banded or encapsulated.
- Location of required fire department access doors.
- Type of fire suppression and fire detection systems.
- Location of valves controlling the water supply of ceiling and in-rack sprinklers.
- Type, location and specifications of smoke removal and curtain board systems.
- Dimension and location of transverse and longitudinal flue spaces.
- Additional information regarding required design features, commodities, storage arrangement and fire protection features within the high-piled storage area shall be provided at the time of permit, when required by the fire code official.

Required Plans for Commercial Remodel Building Permit –

2 full sets of plans drawn to a verifiable Engineer or Architect's scale. (clearly legible without the use of magnification)

- Floorplan – Detailing where racking will be located
- Elevations of individual racks

If you have specific questions, please contact at (817) 459-6502.