

# Racking Permit Requirements

2019 Oregon Structural Specialty Code

2019 Oregon Fire Code



## Racking Permit Requirements

2019 Oregon Structural Specialty Code & Oregon Fire Code

### What am I required to submit?

Completed Commercial Structural Permit Application

### Drawing Information

(1/4" or larger scale is preferred) To include but not limited to:

- Floor plan of racking with aisle dimensions
- Site plan for exterior racking. Note: exterior rack storage max height is \_\_\_\_\_
- Existing plan including, exit paths, all building exits, and where exits lead to (i.e., to the public way); FD access door locations
- Full-height elevations or section drawing from floor to roof. Include the following heights from floor level:
  - Maximum height of the rack's top shelf
  - Maximum height of commodities stored on the top shelf
  - Sprinkler heads
  - Bottom of roof structural members and roof deck
- Details:
  - Floor anchorage and washer (leveling shims) specifications and sizes
  - Connections of upright, row-to-row, back-to-back

### General information required:

- Provide the manufacturer's specifications/installation instructions
- Provide type of commodities that are stored by completing the Eugene/Springfield Fire Combustible Stock Storage Questionnaire (see also OFC Ch 32)
- If the building is equipped with fire sprinkler protection, include detailed evaluation of the sprinkler design including density, head types and temperatures, NFPA 13 design curve used, etc. Also show the zones of the sprinkler system.
- Portable fire extinguisher locations per OFC 906

### Please Note:

- ⇒ After completion of work a fire code operational permit is required for High Piled Storage in accordance with OFC Section 105.6.23. Applications for this permit are separate and can be online through [Eugene/Springfield Fire Department](#).
- ⇒ Separate fire protection system permits may be required.

## Things to Consider

### #1

A building permit is required for racking exceeding 5'-9" (OSSC 105.2)

### #2

An Oregon engineer's stamp (signed and dated) is required for racks 8-ft or greater in height. Racks less than 8-ft in height shall be installed per manufacturer's specifications

### #3

The City of Springfield is located in **Seismic Design Category D<sub>o</sub>** **special inspections are required** for storage racks 8-ft or greater in height (OSSC 1705.12.7 and 2209; storage racks)

### #4

Storage greater than 12-ft high qualifies as High Piled Storage. High Hazard commodity storage with top of storage at greater than 6-ft qualifies as High Piled Storage per OFC 202

### #5

A fire department access door is required every 125-ft along the exterior wall adjoining the racking area or High Pile Storage per OFC 3206.7.5

### #6

Commodities stored 12-ft or higher require sprinklers, regardless of the area of the room or building. Buildings built before 1995 usually do not have Early Suppression Fast Response (ESFR) sprinkler heads.