

## PERMIT REQUIREMENTS

Moveable (non-fixed) storage racks that are 5'-9" tall or less do not require a building permit. All fixed storage racks, regardless of height, require a building permit and a basic layout plan identifying exits and key dimensions. Storage racks that are greater than 5'-9" tall will require structural calculations to verify the attachment to the slab is sufficient to resist overturning during an earthquake.

For storage racks that are 12 feet tall or more, an additional permit is required from the Fire Prevention Office. See the Fire Department's handout for "High-Piled Combustible Storage Annual Permits" for more information.

## SUBMITTAL REQUIREMENTS

### 2 COPIES OF STRUCTURAL CALCULATIONS

Provide 2 sets of structural calculations stamped and signed by an engineer licensed in California. Depending on Calculations may include:

- Longitudinal Analysis
- Column & Backer Analysis
- Beam Analysis
- Anchor Analysis
- Overturning Analysis
- Baseplate Analysis
- Slab and Soil Analysis

### DRAWING PACKAGE

Provide 4 sets of plans drawn to scale that show the layout of the storage racks. The drawings shall also include the following:

- Project Data: address, occupancy classification, current codes, linear feet of racks
- Egress layout and exit locations
- Connection details
- Anchorage / Baseplate details
- Bracing Details
- Storage capacity per level
- Concrete slab thickness & strength

**STATEMENT OF SPECIAL INSPECTIONS**

Include the City of Hayward Statement of Special Inspections form signed by the Engineer of Record with the submittal documents. Anchor bolts, high strength slab and/or field welding for storage racks will require a special inspection.

**FIRE DEPARTMENT HIGH PILE COMBUSTIBLE STORAGE QUESTIONNAIRE**

To learn more about the High Pile Storage questionnaire, you can contact the City of Hayward Fire Prevention Office at: 510-583-4900

## **TECHNICAL DESIGN CRITERIA**

- As applicable, comply with the current editions of the California Building, Mechanical, Electrical, Plumbing and Energy Codes. ASCE 7-10 is also applicable.