



CITY OF TUKWILA

Department of Community Development
 6300 Southcenter Boulevard, Tukwila, WA 98188
 Telephone: (206) 431-3670

RACK STORAGE

Type: DEMO_RACK_REROOF
 Subtype: RACK

A PERMIT IS REQUIRED for all storage racks **more than 5 feet 9 inches** high. The materials listed below must be submitted at the time of your application. Please ensure your files conform to [City of Tukwila's electronic submittal standards](#) prior to upload. Files that do not meet these requirements will result in the application being deemed incomplete.

| Required Documents | Attachment File Name |
|--|---------------------------------------|
| 1. Washington State Department of Labor and Industries valid contractor's license or owner affidavit . | Contractor license or owner affidavit |
| 2. Current City of Tukwila business license | Business license |
| 3. Complete engineering data on the design and capacity of the racks as originally ordered, delivered and installed. | Engineering Data |
| Plans – Ensure current IBC/IRC codes are clearly stated. | Attachment File Name |
| 1. All drawings shall be legible and scaled CAD drawn. 2. Building site plans and scope of work plans are to be combined. 3. Structural design is required, all drawings and structural calculations sheets shall be signed and sealed by a Washington State registered professional engineer. | Plans |
| Cover Sheet a. Index to drawings (list all drawings and sheet number) b. Site address and parcel number (if previously assigned) c. Building occupancy classification per International Building Code d. Project description. e. Building area (square footage of all floors and area of work) Site plan: a. North arrow. b. Location of driveways, parking, loading and service areas. c. Location and floor area of existing structure including dimensions. Floor plan. Show proposed location of rack storage with proposed use of each room labeled. Overall building floor plans: identify on the plan adjacent tenant use. Emergency egress isle, width and distance to emergency exit(s) with illuminated exit signs. | |
| NOTE: 2021 ANSI MH16.1 Design, Testing, and Utilization of Industrial Steel Storage Racks | |
| Rack Storage. If adding new racks or altering existing rack storage, provide a floor plan identifying rack layout and location of all exit doors. Show dimensions of aisles; include dimensions of height, length, and width of rack. | |
| Exit access. Two exits are required for storage areas serving more than 49 occupants. Where two exits are required, identify the egress path (on the plan) connecting the two required exits. Means of egress illumination with emergency backup power is required for the egress path so identified. (RE: IBC | |

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| requirements for Means of Egress Illumination). Show proposed emergency illumination on the floor plan or separate illumination plan. | |
| Construction rack details. Indicate the intended commodity to be stored on racks. All storage racks shall be mechanically anchored in place to resist displacement. | |
| Engineering. Storage racks eight feet or greater in height shall be anchored or braced to resist overturning or displacement due to earthquake events. A Washington State registered professional engineer shall prepare, sign and seal the design drawings and structural calculations. | |
| Special Inspection. Periodic special inspection is required during the anchorage of storage racks. Special inspection shall be performed by WABO certified inspector. | |

NOTE: All files must be PDF



Example of a required load capacity and compliance plaque