

# Bicycle Parking and Storage Facilities

Code comparison

Non-Motorized Facilities Committee = NMFC

	AASHTO	NMFC Chapter 17.490	City of Edgewood	City of Edmonds	City of Kirkland	City of Mountlake Terrace
Bicycle Parking Requirement			In any development required to provide six or more parking spaces, bicycle parking shall be provided. Bicycle parking shall be bike rack or locker-type facilities unless otherwise specified.		<p>Bicycle parking spaces shall be provided in all new development required to provide six (6) or more motor vehicle parking spaces to encourage the use of bicycles as a form of transportation by providing safe and convenient places to park bicycles. Exception: single-family and duplex development are exempt from this section.</p> <p>Bicycle parking spaces shall be provided at a ratio of one (1) bicycle space for each 12 required motor</p>	For any commercial parking lot with more than 20 vehicle spaces, a bicycle rack that is approved by the city to securely accommodate at least two bicycles is required. The bicycle rack may be installed in an approved right-of-way location, consistent with City standards, or in a lighted area of the parking lot. Two additional bicycles must be similarly accommodated for each additional 20 vehicle parking spaces.

					vehicle parking spaces. The Planning Official may modify the number of bicycle racks according to size of development and anticipated pedestrian and bicycle activity.	
Number of Bicycle Parking Spaces		<p>For non-residential uses, parking for bicycles shall be provided at a ratio of one (1) bicycle parking space per ten (10) required vehicle spaces. Any fractional parking space shall be rounded up to the nearest whole number. Where vehicle parking is required per table 17.490.030, at least one (1) bicycle parking space is required.</p> <p>For schools the ratio is one (1)</p>	<p>One bicycle parking space shall be provided for every 12 motor vehicle parking spaces, except as follows:</p> <p>i. The director may reduce bike rack parking facilities for patrons when it is demonstrated that bicycle activity will not occur at that location.</p> <p>ii. The director may require additional spaces when it is determined that the use or its location will generate a high volume of bicycle activity. Such a determination shall include but not be</p>		<p>Bicycle parking spaces shall be provided at a ratio of one (1) bicycle space for each 12 required motor vehicle parking spaces. The Planning Official may modify the number of bicycle racks according to size of development and anticipated pedestrian and bicycle activity.</p>	

		bicycle parking space per eight (8) students.	limited to the following uses: park, library, museum, school, sports club or retail business located along a developed trail or designated bicycle route.			
Location of Bicycle Parking Space	<ul style="list-style-type: none"> <li>-Easily accessible from the street and protected from motor vehicles.</li> <li>-Visible to passers-by to promote usage and enhance security.</li> <li>-Does not impede or interfere with pedestrian traffic or routine maintenance activities.</li> <li>-Does not block access to buildings, bus boarding, or freight loading.</li> <li>-Allows reasonable clearance for opening of passenger-side doors of parked cars.</li> </ul>	<ol style="list-style-type: none"> <li>1. Bicycle parking shall be provided on-site, in a place accessible to the public during business hours.</li> <li>2. Bicycle parking shall be within fifty (50) feet of and visible from the public entrance(s) of the use it is to serve. For sites with multiple public entrances bicycle parking distribution will be determined in coordination with DCD in a manner that fulfills the intent of these regulations.</li> </ol>	Bicycle parking shall be located within 100 feet of the principal building and directly adjacent to a sidewalk or pedestrian walkway that connects directly to building entrance(s).	Bicycle parking shall be located within 100 feet of the principal building and directly adjacent to a sidewalk or pedestrian walkway that connects directly to building entrance(s).	Bicycle parking in the form of a bike rack or enclosed storage container shall be conveniently located for the users, generally within 50 feet of an exterior entrance of all uses, and within 50 feet of a retail use entrance.	

	<p>-Are covered, if practical, where users will leave their bikes for a longer amount of time.</p>	<p>3. Bicycle parking shall be accessible by a rideable maneuvering area of a durable and dustless surface (such as pavement, concrete, or similar materials) from all building entrances and vehicle and pedestrian points of entry to the site from a public ROW.</p> <p>4. Bicycle parking spaces shall be an adequate distance away from utility access points such as utility vaults, manholes, gas/electric meters, fire hydrants, etc; and shall not impede the operation of objects or places that requires access, such as benches, trash</p>				
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		<p>bins, and mailboxes.</p> <p>5. Bicycle parking spaces shall be kept free of obstructions, including temporary or partial obstructions such as items for sale, signs, garbage receptacles, vending machines, doors, etc.</p>				
Site Design	<p>Distance to other racks: -Rack units aligned end-to-end should be placed a minimum of 96 in. (2.4 m) apart.</p> <p>-Rack units aligned side-by-side should be placed a minimum of 36 in. (0.9 m) apart.</p> <p>Distance from a curb:</p> <p>-Racks located perpendicular to a curb should be a minimum of 36 in.</p>	<p>1. A single bicycle parking space shall be forty (40) inches wide by ninety-six (96) inches long. (Figure 1) a. The bicycle rack shall be inside the bicycle parking space, twelve (12) inches away from one (1) of the long sides, with the first locking point located twenty-four (24) inches back from</p>				

	<p>(0.9 m) from the back of curb.          -Racks located parallel to a curb should be a minimum of 24 in. (0.6 m) from the back of curb.          Distance from a wall: -Assuming access is needed from both sides, U-racks located perpendicular to a wall should be a minimum of 48 in. (1.2 m) from the wall.          -Racks located parallel to a wall should be a minimum of 36 in. (0.9 m) from the wall.</p>	<p>the front of the bicycle parking space and the second locking point located fourteen (14) to twenty-four (24) inches back from the first.          2. A double bicycle parking space utilizing a double-sided rack shall be fifty-two (52) inches wide by ninety-six (96) inches long. (Figure 2) a. The bicycle rack shall be inside the bicycle parking space, centered in double space, with the first locking point located twenty-four (24) inches back from the front of the bicycle parking space and the second locking point located fourteen (14) to</p>				
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		<p>twenty-four (24) inches back from the first.</p> <p>3. Areas used for bicycle parking and maneuvering shall have durable and dustless surfaces maintained adequately for all-weather use, and so drained as to avoid flow of water across sidewalks.</p>				
Structure of Bicycle Parking, Rack Design	<ul style="list-style-type: none"> <li>-Support the bicycle at two points above its center of gravity.</li> <li>-Accommodate high security U-shaped bike locks.</li> <li>-Accommodate locks securing the frame and one or both wheels (preferably without removing the front wheel from the bicycle.)</li> <li>-Provide adequate distance (minimum 36 in. [0.9 m])</li> </ul>	<p>Accommodate common styles and sizes of bicycles including bicycles without a top tube; Make contact with the bicycle frame at both locking points identified in C.1.a and C.2.a, so that, if desired, both wheels can be locked to the rack at the locking points without being removed from the bike;</p>	<p>Bicycle frame or wheels are to be locked to a structure attached to the pavement.</p>	<p>Bicycle storage spaces shall consist of storage racks, lockers, or other secure space to accommodate sheltered, safe, and convenient bicycle storage for building residents. Such space may be in a vehicle parking garage or another appropriate location but shall not be provided as open storage on a deck or balcony.</p>		

	<p>between spaces so that bicycles do not interfere with each other.</p> <ul style="list-style-type: none"> <li>-Do not contain protruding elements or sharp edges.</li> <li>-Do not bend wheels or damage other bicycle parts.</li> <li>-Do not make the user lift the bicycle off the ground.</li> </ul>	<p>Have a diameter no greater than three (3) inches at the locking points; Be constructed of durable, rust-free materials, and not damage bicycle finishes e.g., aluminum, galvanized, and powder coat surfaces; Be securely anchored to the ground, building, or other permanent structure with tamper-resistant hardware; Not require lifting the bicycle in order to use it, unless it provides some sort of mechanical advantage to assist with lifting the bicycle into position.</p>				
Safety of		Bicycle parking spaces shall be illuminated with	All bicycle parking and storage shall be located in safe,		Bicycle racks shall be located in a visible, well lit, sheltered	



Bicycle Parking		downcast lighting to facilitate public safety and theft reduction.	visible areas that do not impede traffic flow and shall be well lit for nighttime use.		area such as under an eave, awning, or other similar enclosure and located to not impede vehicle parking or pedestrian movement. A bike rack(s) shall be installed with the capacity to accommodate the required number of bicycle spaces.	
Commercial or Mixed Use Residential-Commercial Centers					Bicycle spaces may be clustered between businesses to serve up to six (6) businesses	
Employee Bicycle Parking			When more than 15 people are employed on site, bicycle storage facilities for employees shall be provided. The director shall allocate the required number of			

			parking spaces between bike rack parking and enclosed locker-type facilities.			
Bicycling Parking in Residential			One secured bicycle storage space shall be provided for every two dwelling units in attached single-family and multifamily units, unless individual garages are provided for every unit. The director may reduce the number of bike rack parking spaces if indoor storage facilities are available to all residents.	Bicycle storage spaces for multifamily housing, excluding housing for assisted living or other specialized facilities where the development services director finds that the targeted population is not likely to use bicycles, shall be provided for residents at a ratio of one bicycle storage space for each residential unit under 700 square feet and two bicycle storage spaces for each residential unit greater than 700 square feet.		
Covered Bicycle Storage				Where sheltered bicycle storage is being provided		

				within a dedicated common space of the building, the total number of required bicycle storage spaces may be reduced by up to 50 percent from that which is otherwise required; provided, that one or more secure bicycle racks, useable by visitors, for at least four bicycles is provided within the front setback of the property.		
					If covered and secured bicycle storage is provided on site, a credit towards parking requirements at a ratio of one (1) less parking stall per six (6) bicycle spaces will be granted. The Planning Official may increase credits according to size of development and anticipated	

					<p>pedestrian and bicycle activity and proximity to transit facilities. A maximum reduction of five (5) percent of required parking stalls may be granted. If a reduction of five (5) or more stalls is granted, then changing facilities including showers, lockers shall be required. (Ord. 4350 § 1, 2012)</p>	
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Figure 1

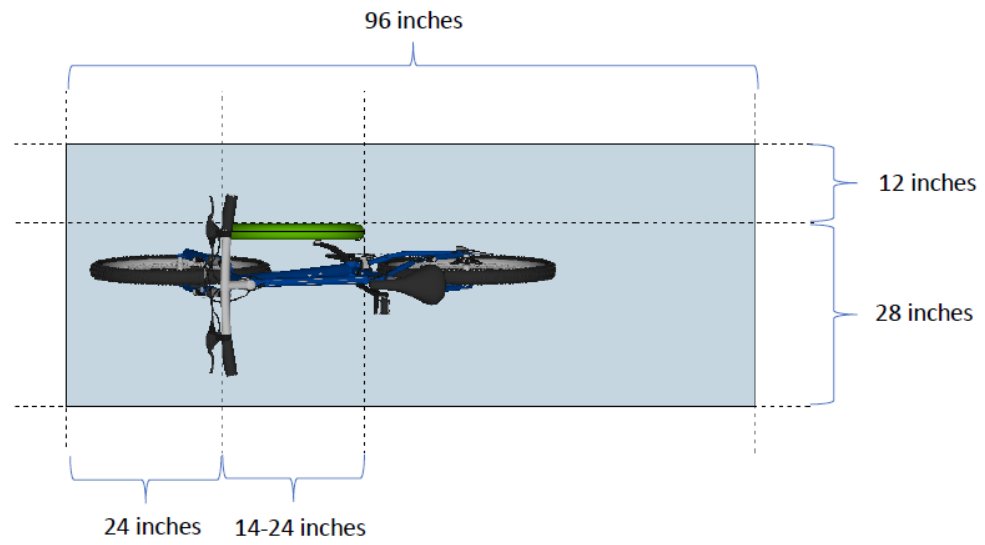


Figure 2

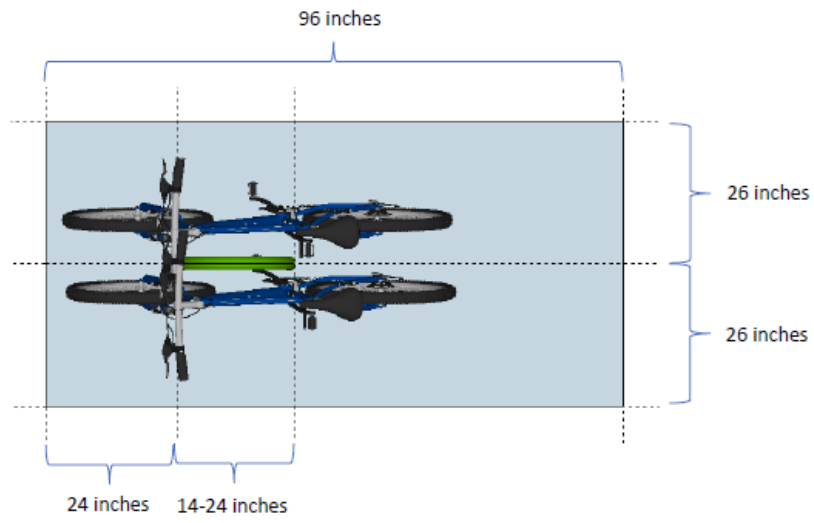


Figure 3

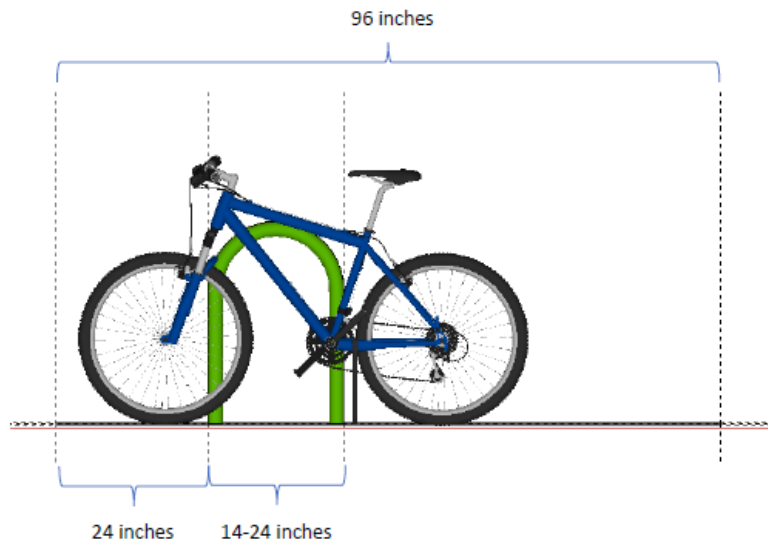


Figure 4

