

GG144-14

407.3, 407.3.1, 407.3.2

Proponent: Brenda Thompson, Clark County Development Services, Las Vegas, NV, Chair, ICC Sustainability, Energy and High Performance Code Action Committee (SEHPCAC)

Revise as follows:

407.3 Bicycle parking and storage. Long-term and short-term bicycle parking shall be designated on the site plan by a *registered design professional* and as specified in Table 407.3. The required number of spaces shall be determined based on the net floor area of each primary use or occupancy of a building except where Table 407.3 specifies otherwise. Accessory occupancy areas shall be included in the calculation of primary occupancy area.

Exceptions:

1. Long-term bicycle parking shall not be required where the *total building floor area* is less than 2,500 square feet (232 m²).
2. Subject to the approval of the *code official*, the number of bicycle parking spaces shall be permitted to be reduced because of building site characteristics including, but not limited to, isolation from other development.

**TABLE 407.3
BICYCLE PARKING^a**

OCCUPANCY	SPECIFIC USE	SHORT-TERM SPACES	LONG-TERM SPACES ^b
A-1	Movie theaters	1 per 50 seats; not less than 4 spaces	2 spaces
	Concert halls, theaters other than for movies	1 per 500 50 seats; <u>not less than 4 spaces</u>	
A-2	Restaurants	1 per 50 seats <u>or 1 space per 5000 square feet, whichever is greater</u> ; not less than 2 spaces	
A-3	Places of worship	1 per 500 seats; <u>not less than 4</u>	1 per 50,000 square feet; not less than 2 spaces
A-3	Assembly spaces other than places of worship	<u>1 per 50 seats or 1 per 25,000 square feet, whichever is greater</u> ; not less than <u>2</u> spaces	
A-4 – A-5	All	1 per 500 seats; <u>not less than 4</u>	2 spaces
B	All	1 per 50,000 20,000 square feet; not less than 2 spaces	1 per 25,000 10,000 square feet; not less than 2 spaces
E	Schools	None	1 per 250 square feet of classroom area; <u>not less than 2</u>
E, I-4	Day care	None	2 spaces
F, H	All	None	1 per 25,000 square feet; not less than 2 spaces
I-1	All	None	2 spaces

I-2	A II	1 per 25,000 square feet; not less than 2	1 per 50,000 square feet; not less than 2
M	A II	1 per 25,000 20,000 square feet; not less than 2	1 per <u>20 employees</u> or 50,000 square feet; not less than 2
R-1	Hotels, motels, boarding	None	1 per 25,000 square feet; not less than 2
R-2, R-3, R-4	A	None	None
S	Transit park and ride lots	None	1 per 20 <u>motor</u> vehicle parking
	Commercial <u>motor vehicle</u> parking facilities	1 per 20 <u>motor</u> vehicle parking spaces; not less than 6 spaces	None 1 per 20 <u>motorized</u> vehicle parking spaces; not less than 2 spaces. <u>Exception: Unattended surface parking lots.</u>
	All	None	2
Other	Outdoor recreation, parks	1 per 20 vehicle parking spaces; not less than 2 spaces	None

For SI: 1 square foot = 0.0929 m².

- a. Requirements based on square feet shall be the net floor area of the occupancy or use.
- b. When a calculation results in a fraction of space, the requirements shall be rounded to the next higher whole number.

407.3.1 Short-term bicycle parking. Short-term bicycle parking shall comply with all of the following:

1. It shall be provided with illumination of not less than 1 footcandle (11 lux) at the parking surface;
2. It shall be located at the same grade as the sidewalk or at a location reachable by ramp or accessible route;
3. It shall have an area of not less than 18 inches (457 mm) by ~~60~~ 72 inches (~~1524~~ 1829 mm) for each bicycle;
4. It shall be provided with a rack or other facility for locking or securing each bicycle; ~~and~~ Bicycle racks, where used, shall: support bicycles in not less than two places; allow for locking the bicycle frame and not less than one wheel with a U-style lock; be securely anchored to the ground; resist cutting, rusting, and deformation; and be installed in accordance with the rack manufacturer's specifications.
5. It shall be located within 100 feet (30 480 mm) of, and visible from, the main entrance.

Exception: Where directional signage is provided at the main building entrances, short-term bicycle parking shall be permitted to be located inside the building or provided at locations not visible from the main entrance.

407.3.2 Long-term bicycle parking. Long-term bicycle parking shall comply with all of the following:

1. It shall be located on the same site and within the building or within 300 feet (91 440 mm) of the main entrances;
2. It shall be provided with illumination of not less than 1 footcandle (11 lux) at the parking surface;
3. It shall have an area of not less than 18 inches (457 mm) by ~~60~~ 72 inches (~~1524~~ 1829 mm) for each bicycle; and
4. It shall be provided with a rack or other facility for locking or securing each bicycle. Bicycle racks, where used, shall: support bicycles in not less than two places; allow for locking the bicycle frame and not less than one wheel with a U-style lock; be securely anchored to the ground; resist cutting, rusting, and deformation; and be installed in accordance with the rack manufacturer's specifications.

Not less than 50 percent of long-term bicycle parking shall be within a building or provided with a permanent cover including, but not limited to, roof overhangs, awnings, or bicycle storage lockers.

Vehicle parking spaces, other than those required by Section 407.4, local zoning requirements and accessible parking required by the *International Building Code*, shall be permitted to be used for the installation of long term bicycle parking spaces.

Reason: We recommend that the bicycle parking requirements--including the provisions related to the minimum number of required spaces, the location of the parking spaces, the rack requirements, and the area provided per bicycle -- be updated to achieve greater consistency with the Association of Pedestrian and Bicycle Professionals' Bicycle Parking Guidelines Second Edition, 2010.

This proposal was submitted by the ICC Sustainability Energy and High Performance Code Action Committee (SEHPCAC). The SEHPCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance International Codes with regard to sustainability, energy and high performance as it relates to the built environment included, but not limited to, how these criteria relate to the International Green Construction Code (IgCC) and the International Energy Conservation Code (IECC). This includes both the technical aspects of the codes as well as the code content in terms of scope and application of referenced standards. In 2012 and 2013, the SEHPCAC has held six two-day open meetings and 50 workgroup calls, which included members of the SEHPCAC as well as any interested parties, to discuss and debate proposed changes and public comments. Related documentation and reports are posted on the SEHPCAC website at: <http://www.iccsafe.org/cs/SEHPCAC/Pages/default.aspx>.

Cost Impact: Will increase the cost of construction.

GG144-14: TABLE 407.3-THOMPSON305
