

2.5.5 — Bicycle Parking

All new buildings, expansions or, or significant renovations are to provide on-site bicycle parking spaces in accordance with the following guidelines. Project designers may refer to the “UBC Bicycle Parking Policy Report” for additional details.

- a. **Storage Type:** Two types of bicycle parking facilities are to be provided for each project.
 - i. **Long Term:** (Class 1 or Class A) parking is intended for long-term use and may consist of attended facilities, racks in an enclosed and lockable room, indoor or outdoor bicycle lockers, or restricted-access parking facilities.
 - ii. **Short Term:** (Class 2 or Class B) parking is intended for short-term use and should consist of racks located with natural surveillance in an accessible outside location, protected from weather, within close proximity of the building entrance, on a concrete surface.
- b. **Capacity:** Each building is to provide sufficient Long Term and Short Term bike storage capacity to address the ratios provided for each land-use category below.

Mixed-use areas such as hubs should determine the cumulative requirements based on the appropriate combinations of user groups.

- i. **Student Housing:** Including all forms of non-family student residential housing: dormitories, single and shared rooms, apartments, townhouses and shared fraternity dwellings.
 - » **Long-term:** Covered storage facilities required for 25% or more of building residents.
 - » **Short-term:** 0.25 spaces per bed.
- ii. **Institutional:** Including, academic and research space, libraries, sporting and recreational centres, hub community facilities, day-cares, auditoriums and arenas:
 - » **Long-term:** 0.4 - 0.8 spaces per 100m² of gross floor area
 - » **Short-term:** 4 spaces per 100m² of gross floor area.
- iii. **Office:** Including any UBC or third party campus building accommodating faculty, research professional, or administrative offices:
 - » **Long-term:** 0.4 - 0.8 spaces per 100m² of gross floor area.
 - » **Short-term:** 0.6 spaces per 10 students on a maximum attendance period



2.5.5 Standard bicycle rack

iv. **Commercial:** Including, retail stores, personal service shops, restaurants, and specialty food services.

» **Long-term:** 1 space per 750m² of gross floor area.

» **Short-term:** 1 spaces per 750m² of gross floor area, but in no case less than 4 bicycle parking spaces per establishment.

v. **Faculty/Staff and Student Family Residential:** Including town housing, stacked town housing, apartment housing and other multi-unit housing:

» **Long-term:** 0.75 - 1.5 spaces per dwelling unit, depending on context

» **Short-term:** 0.2 spaces per dwelling unit.

c. Perpendicular Parking Stand Dimensions

i. Distance between bicycles in stands should be designed at 60 cm.

ii. Parking stand area depth should be a minimum of 2.0 m.

d. Angled Parking Stand Dimensions

i. Distance between bicycles in stands should be designed at 40-50 cm.

ii. Parking stand area depth should be a minimum of 1.4 m.

e. Manoeuvring Aisle Widths

i. A manoeuvring area of an additional 1.75m aisle width is required.

ii. Two rows of perpendicular bicycles may share the same manoeuvring area.

iii. Manoeuvring aisle width may be reduced to 1 m In the case of angled bicycle storage.

f. Exterior Rack Locations

i. Bicycle racks will be located in a convenient, weather protected, well-lit location that can be easily located by visitors, and seen by occupants of the building.

ii. Placement of racks must minimize interference with pedestrian flow, allow for barrier-free access to the building, and serve the most direct route to the building entrance.

iii. Directional signage must be provided indicating the location of bicycle parking.

g. **Bicycle Rack Specification:** Exterior bicycle rack design specification and supplier information is provided in [Section 2.6.3](#).

h. **Mounting Surface:** All racks will be mounted on a concrete surface.

- i. **Electrical Outlets:** All long-term bicycle parking facilities over 30 bicycle capacity (excluding bicycle lockers) should provide dedicated electrical outlets appropriate for charging electric assist bicycles.
- j. **Locker Dimensions:** All lockers included as part of end-of-trip facilities must be full length.

2.5.6 — End-of-Trip Facilities

- a. **End-of-Trip Facilities:** The number and type of end-of-trip facilities required for each gender in building projects is outlined in the table below, depending upon the number of bike parking spaces required for that project.

MINIMUM NUMBER FOR EACH GENDER

REQUIRED # OF CLASS 1 BICYCLE PARKING SPACES	WATER CLOSETS	WASH BASINS	SHOWERS	LOCKERS*
0-3	0	0	0	0
4-29	1	1	1	2
30-64	2	1	2	15
65-94	3	2	3	32
95-129	4	2	4	47
130-159	5	3	5	65
160-194	6	3	6	80
Over 194	6 + 1 for each additional 30 bicycle parking spaces	3 + 1 for each additional 30 bicycle parking spaces	6 + 1 for each additional 30 bicycle parking spaces	97+

* Lockers must be provided equal to 50% of the parking capacity.