

Annex A: Bicycle parking provision requirement and End-of-Trip facilities provisional guideline

Table 1: Mandatory bicycle parking requirements by development type

Proposed use	Developments located within Zone 1 and Zone 2 ¹	Developments located within Zone 3.
<u>Residential</u> 1. Residential developments 2. Retirement housing	1 bicycle parking space for every 4 dwelling units	1 bicycle parking space for every 6 dwelling units
<u>Commercial</u> 3. Cinema, theatre and concert hall 4. Shops and departmental stores 5. Offices 6. Restaurants, night-clubs, coffeehouses, bars, cafeterias, eating-houses and canteens 7. Convention and exhibition halls <u>Hotel</u> 8. Hotel 9. Boarding houses and hostels ² <u>Industrial</u> 10. Factories 11. Business park, science park, computer software development, distribution services, printing, publishing and allied industries and other Business 1 developments	a) When $1,000\text{m}^2 \leq \text{Development GFA} \leq 3,000\text{m}^2$	
	15 bicycle parking spaces	10 bicycle parking spaces
	b) When $3,000\text{m}^2 < \text{Development GFA} \leq 15,000\text{m}^2$	
	1 bicycle parking space for every 200m^2 of floor area	1 bicycle parking space for every 300m^2 of floor area
	c) When $15,000\text{m}^2 < \text{Development GFA}$	
	1 bicycle parking space for every 200m^2 of floor area, for floor area up to $15,000\text{m}^2$, and 1 bicycle parking space for every subsequent 600m^2 of floor area, for floor area in excess of $15,000\text{m}^2$	1 bicycle parking space for every 300m^2 of floor area, for floor area up to $15,000\text{m}^2$, and 1 bicycle parking space for every subsequent $1,000\text{m}^2$ of floor area, for floor area in excess of $15,000\text{m}^2$

¹ Refer to Zonal Car Parking requirement in Code of Practice Vehicle Parking Provision in Development

Proposals for the definition of Zone 1, 2 and 3, via the link below:

https://www.lta.gov.sg/content/dam/ltagov/industry_innovations/industry_matters/development_construction_resources/vehicle_parking/pdf/cop_on_vehicle_parking_provision_in_development_proposals_2019_edition.pdf

² The bicycle parking provision standards apply to Backpackers' Hostels; student hostels are akin to Residential use.

Proposed use	Developments located within Zone 1 and Zone 2 ¹	Developments located within Zone 3.
12. Petroleum, petrochemical, chemical and related industries on Jurong Island ³ <u>Health & Medical Care</u> 13. Nursing homes 14. Clinic, pharmacies, hospitals and other healthcare institutions		
<u>Civic & Community Institution</u> 15. Community centres, community clubs, welfare houses and other cultural and social welfare institutions <u>Place of Worship</u> 16. Churches, mosques, temples, any place of worship and other religious and related institutions	1 bicycle parking space for every 200m ² of floor area, for floor area up to 15,000 m ² , and 1 bicycle parking space for every subsequent 600m ² of floor area, for floor area in excess of 15,000m ²	1 bicycle parking space for every 300m ² of floor area, for floor area up to 15,000 m ² , and 1 bicycle parking space for every subsequent 1,000m ² of floor area, for floor area in excess of 15,000m ²
<u>Sports & Recreation</u> 17. Sports complex, tennis, squash, badminton, sepak takraw courts, soccer, baseball pitches, bowling alley, swimming pool, ice/roller skating rink, recreational clubs, golf range and other sports and recreation facilities <u>Civic & Community Institution</u> 18. Foreign workers' dormitories ⁴	a) When 1,000m ² ≤ Development GFA ≤ 3,000m ²	
	30 bicycle parking spaces	20 bicycle parking spaces
	b) When 3,000m ² < Development GFA ≤ 15,000m ²	
	1 bicycle parking space for every 100m ² of floor space	1 bicycle parking space for every 150m ² of floor space

³ The bicycle parking provision requirement for petroleum, petrochemical, chemical and related industries on Jurong Island is based on office floor area.

⁴ The bicycle parking requirements will also apply to Foreign Workers' Dormitories located on industrial sites.

Proposed use	Developments located within Zone 1 and Zone 2 ¹	Developments located within Zone 3.
	c) When $15,000\text{m}^2 < \text{Development GFA}$	
	1 bicycle parking space for every 100m^2 of floor area, for floor area up to $15,000\text{ m}^2$ and 1 bicycle parking space for every subsequent 300m^2 of floor area, for floor area in excess of $15,000\text{m}^2$	1 bicycle parking space for every 150m^2 of floor area, for floor area up to $15,000\text{ m}^2$ and 1 bicycle parking space for every subsequent 500m^2 of floor area, for floor area in excess of $15,000\text{m}^2$

To cater for the potential spill over of bicycle parking demand from major destination locations, higher bicycle parking provision is required for developments located in Central Area and/or near MRT stations (Zone 1 & Zone 2). However, taking into consideration development location and type, LTA may exercise flexibility and grant a reduction to the bicycle parking provision for developments in Zone 1 and Zone 2.

Table 2: Recommended distribution of short-term and long-term bicycle parking spaces

Type	Use	Type of bicycle parking spaces	
		Short-term bicycle parking	Long-term bicycle parking
1	<u>Residential</u> 1. Residential developments 2. Retirement housing <u>Commercial</u> 3. Offices <u>Hotel</u> 4. Hotel 5. Boarding houses and hostels <u>Industrial</u> 6. Factories 7. Business park, science park, computer software development, distribution services, printing, publishing and allied industries and other Business 1 developments 8. Petroleum, petrochemical, chemical and related industries on Jurong Island ⁵ <u>Civic & Community Institution</u> 9. Foreign Workers' Dormitories ⁶	20%	80%
2	<u>Commercial</u> 1. Cinema, theatre and concert hall 2. Shops and departmental stores 3. Restaurants, night-clubs, coffeehouses, bars, cafeterias, eating-houses and canteens 4. Convention and exhibition halls <u>Health & Medical Care</u> 5. Nursing homes 6. Clinic, pharmacies, hospitals and other healthcare institutions <u>Civic & Community Institution</u> 7. Community centres, community clubs, welfare houses and other cultural and social welfare institutions	60%	40%

⁵ The bicycle parking provision requirement for petroleum, petrochemical, chemical and related industries on Jurong Island is based on office floor area.

⁶ The bicycle parking requirements will also apply to Foreign Workers' Dormitories located on industrial sites.

Type	Use	Type of bicycle parking spaces	
		Short-term bicycle parking	Long-term bicycle parking
	<u>Place of Worship</u> 8. Churches, mosques, temples, any place of worship and other religious and related institutions recreational facilities <u>Sports & Recreation</u> 9. Sports complex, tennis, squash, badminton, sepak takraw courts, soccer, baseball pitches, bowling alley, swimming pool, ice/roller skating rink, recreational clubs, golf range and other sports and recreation facilities		

Developers are encouraged to locate bicycle parking facilities at different areas in the development to cater to different users, e.g. visitors and occupants of the building.

Short-term bicycle parking spaces cater to visitors. Hence they should be located at the ground level for easy access by the public. Similarly, long-term parking spaces cater to tenants or residents and could be located at any level of the development with safe internal cycling circulation leading to the facilities. The recommended short-term and long-term bicycle parking ratio is listed in Table 2 above.

Table 3: End-of-Trip Facilities that will be exempted from GFA computation for various development types

Development Type	GFA treatment
<u>Residential</u> 1. Residential developments 2. Retirement housing <u>Civic & Community Institution</u> 3. Foreign workers' dormitories ⁷	No GFA exemption for bicycle supporting facilities as shower/changing rooms are to be provided for within the home, or as part of the clubhouse facilities
<u>Commercial</u> 4. Cinema, theatre and concert hall 5. Shops and departmental stores 6. Offices 7. Restaurants, night-clubs, coffeehouses, bars, cafeterias, eating-houses and canteens 8. Convention and exhibition halls <u>Hotel</u> 9. Hotel 10. Boarding houses and hostels ⁸ <u>Industrial</u> 11. Factories 12. Business park, science park, computer software development, distribution services, printing, publishing and allied industries and other Business 1 developments 13. Petroleum, petrochemical, chemical and related industries on Jurong Island <u>Health & Medical Care</u> 14. Nursing homes 15. Clinic, pharmacies, hospitals and other healthcare institutions, <u>Civic & Community Institution</u> 16. Community centres, community clubs, welfare houses and other cultural and social welfare institutions <u>Place of Worship</u> 17. Churches, mosques, temples, any place of worship and other religious and related institutions	GFA exemption for bicycle supporting facilities, subject to: • 1 shower stall per 10 bicycle parking spaces (about 1.35sqm per shower stall) • Provision and size of lockers and PMD lockers to be subjected to evaluation • 1 toilet per cluster of facilities • Facilities should be located near the bicycle parking spaces for the convenience of cyclists

⁷ The GFA treatment will also apply to Foreign Workers' Dormitories located on industrial sites.

⁸ GFA exemption for End-Of-Trip facilities will only apply to Backpackers' Hostels; it does not apply to student hostels which are akin to Residential use.

Development Type	GFA treatment
<u>Sports & Recreation</u> 18. Sports complex, tennis, squash, badminton, sepak takraw courts, soccer, baseball pitches, bowling alley, swimming pool, ice/roller skating rink, recreational clubs, golf range and other sports and recreation facilities	No GFA exemption for bicycle supporting facilities as shower/changing rooms/lockers should be provided as part of the development