



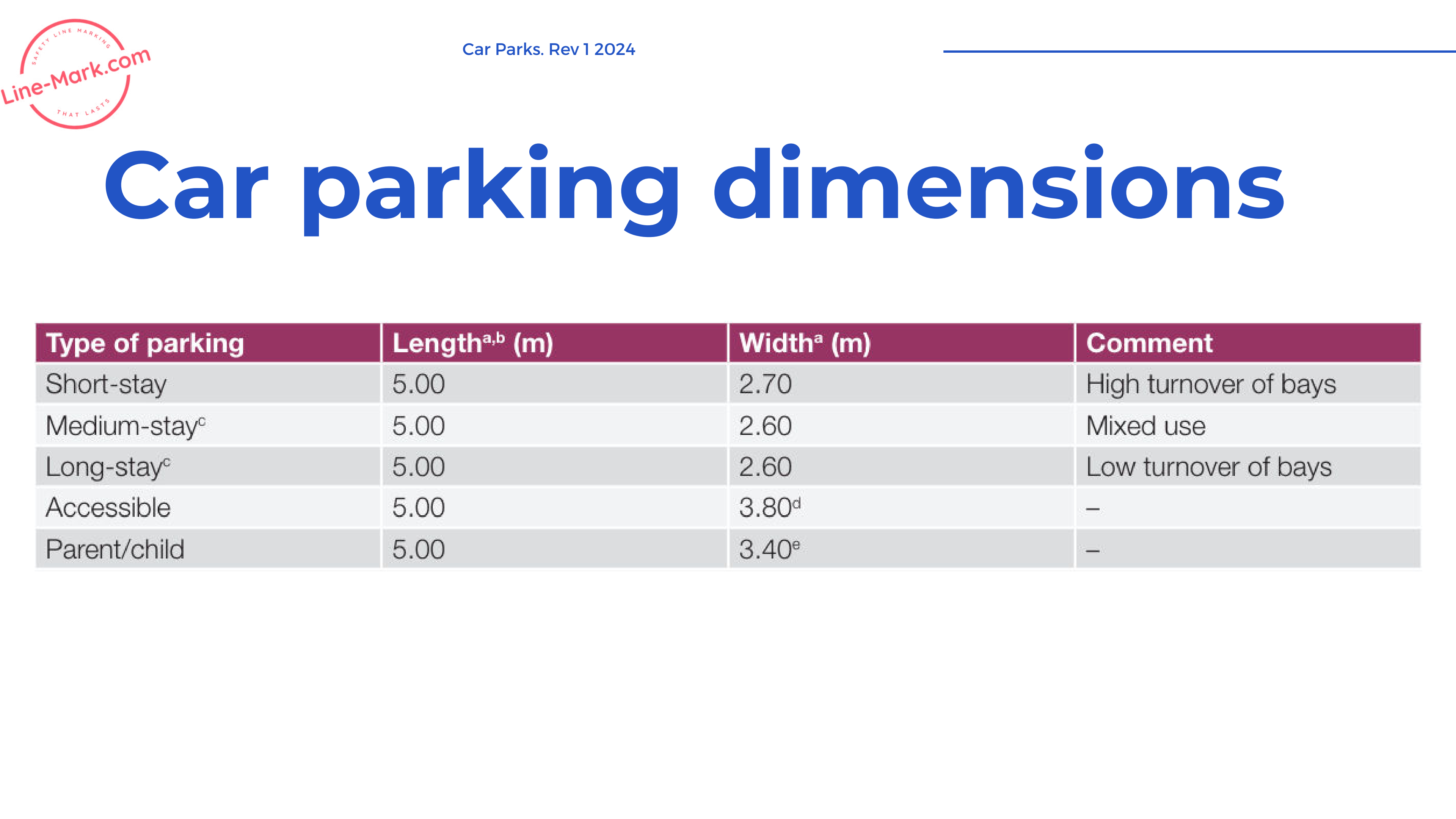
Car Parks Rev 1. 2024

Car Parks

Telephone
020 3369 2969

Address
1-6 Commercial Road,
Corby, NN17 5XG

Website
Line-Mark.com



Car parking dimensions

Type of parking	Length ^{a,b} (m)	Width ^a (m)	Comment
Short-stay	5.00	2.70	High turnover of bays
Medium-stay ^c	5.00	2.60	Mixed use
Long-stay ^c	5.00	2.60	Low turnover of bays
Accessible	5.00	3.80 ^d	–
Parent/child	5.00	3.40 ^e	–

Aisle width

Parking angle	Preferred aisle width (m)	Bay width (m)	Bin width for 5m bay length (m)
90°	Two-way aisle: 6.95	All	16.95
90°	One-way aisle: 6.00	All	16.00
60°	4.84 ^a	2.50	16.00
	4.75 ^a	2.60 ^c	16.01
	4.74 ^a	2.70	16.10
45°	4.26 ^a	2.50	14.86
	3.75 ^{a,b}	2.60 ^c	14.50 ^b
	3.60 ^{a,b}	2.70	14.49 ^b

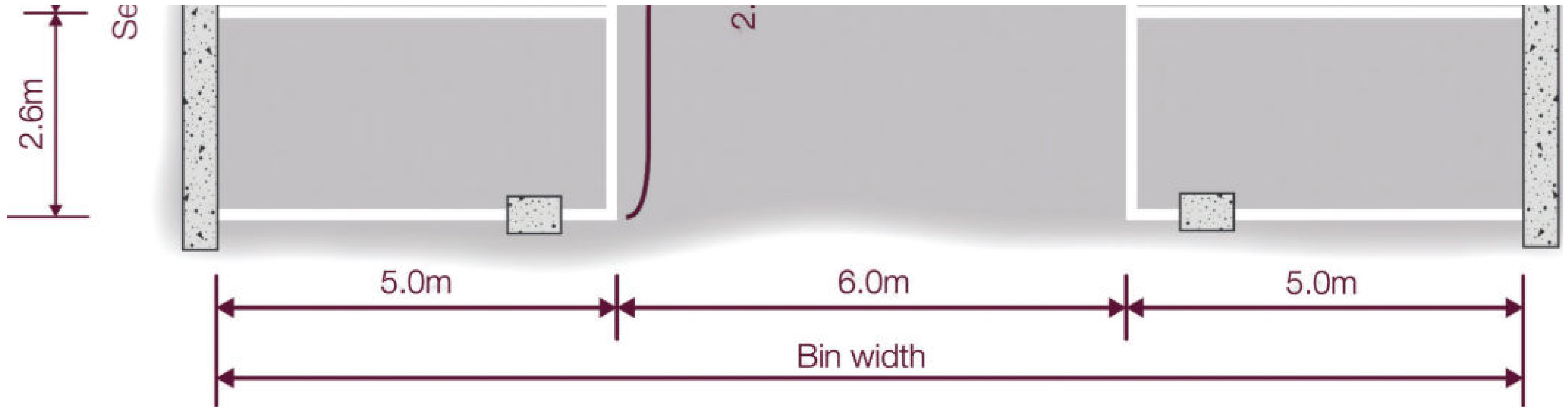
Notes:

^aMinimum widths required for the SDV to manoeuvre allowing 500mm clearance from other parked vehicles when making the turn from the drive aisle into the parking bay.

^bThese dimensions do not take into account the need to provide a 1.2m wide pedestrian walkway within the drive aisle. Ideally the aisle should be increased in width to 4m with a corresponding increase in bin width.

^cStandard parking bay

Aisle width image



Parking angles

Although creating bays at an angle of less than 90° is advantageous for drivers as they facilitate single turn entry and exit which in turn improves the dynamic capacity of the car park, angled parking is not widely used in the UK, especially in parking structures.

However, when the site is too narrow to accommodate parking bays at 90° to the drive aisles, angled parking may be suitable.

That said, angled parking is a much less efficient use of space. Parking angled at 60° uses about 15% more space than parking at 90° , and at 45° angled parking uses about 30% more space.



Zebra Crossing dimensions

2.4m x 0.5m



Motorcycle bays

1.8m - 2.7m x 1.4m



Coach bays

Each parking bay should be at least 15m by 5m to allow for safe manoeuvres, opening of doors, opening of side and rear luggage lockers and safe pedestrian movements

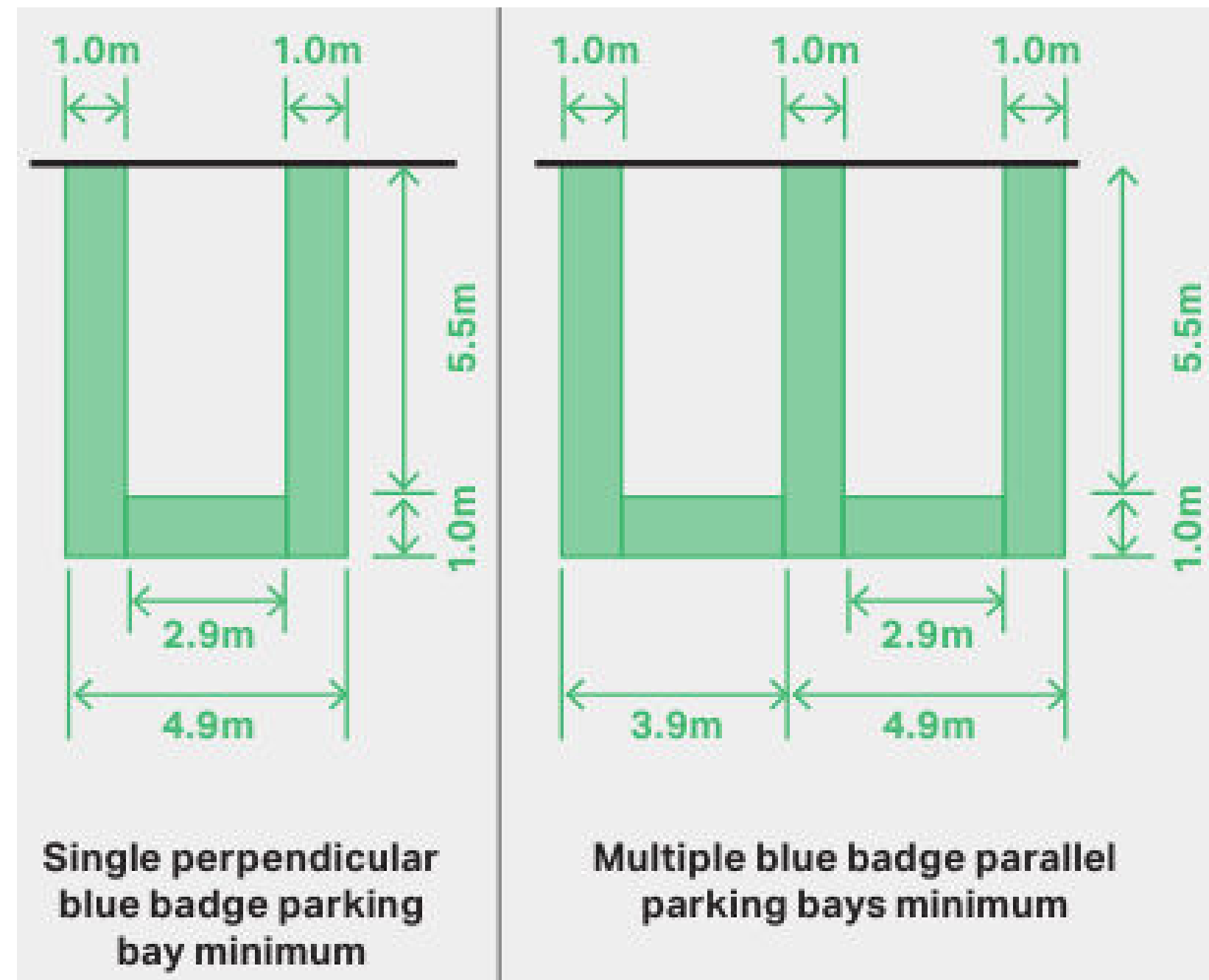


Lorry bays

Rigid: 14m x 3.5m

Articulated: 18.5m x 3.5m

Blue badge / Accessible



Disabled bay requirements

Disabled space: 2.6m x 5m + 1.2m of hatching at the side and rear.

Car park used by/for	Car park size	
	Up to 200 bays	More than 200 bays
Employees and visitors to business premises	Individual bays for each disabled employee plus 2 bays or 5% of total car park — whichever is greater	6 bays plus 2% of total capacity
Shopping, recreation and leisure	3 bays or 6% of total capacity — whichever is greater	4 bays plus 4% of total capacity



Class A1 - Shops

In town centres where public car parking is normally available and is sufficient to meet current and expected demand from the proposed development, there will be no requirement for additional provision subject to no loss of existing facilities.

On edge of centres or elsewhere, 1 space per 20 m² gross floor area up to 1000m² and 1 space per 14m² thereafter.

Food Retail Units - 1 space per 14m² of gross floor area

Retail Warehousing - 1 space per 20m² of gross floor area, plus 1 per 100m² for staff parking. Where retail warehouses include garden centres / DIY, a higher guidance of 1 space per 15m² of gross floor area will be required for customer parking



Class A2 - Finance / professional

Banks, building societies, estate agents and other agencies, betting shops - 1 car space per 30 m²

Class A3 - Restaurant / Cafe

In town centres where public car parking is normally available and is sufficient to meet current and expected demand from the proposed development there will be no requirement for additional provision, subject to no loss of existing facilities.

Garage or parking space will be required for each resident staff in any location.

Otherwise the following guidance will apply; 1 space for 2 staff employed at peak operating times, plus 1 space per 5m² or 4 seats in dining/bar areas.



Class B1 Offices

1 space per 25m² gross floor area up to 250m², then 1 space per 30 m² thereafter



Class B2 Industry

1 space per 25 m² gross floor space up to 250m² then 1 space per 50 m² thereafter. In cases where ancillary office space does not exceed 100m², no additional provision is necessary, thereafter 1 space per 25m² will be required.



Class B8 Distribution / Storage

1 space per 80m² of gross floor area in the case of large scale storage and distribution facilities

Class C1 Hotels

1 garage or parking space per resident staff, plus 1 space per 3 non-resident staff at peak working times plus 1 space per bedroom.

If other facilities such as bars, restaurants, shops, health clubs are open to non-residents the relevant guidance for those uses will also be relevant.

Where a developer considers it is not necessary to achieve 100% for the other uses, this must be supported by a clear justification

Class C2 Care Homes

Residential Care Establishments: 1 garage or parking space per resident staff, plus 1 space per non-resident staff present at peak working times, plus 1 space per 3 bed spaces for visitors. An ambulance space should also be provided in a position which would not impede site access but located as close as possible to the main entrance of the establishment



Class C2 Hospitals

1 garage or parking space per resident staff, plus 1 space per Doctor, Surgeon or Consultant, plus 1 space per 3 other staff, plus 1 space per 3 beds for visitors. Additional spaces may be required if an out patients or casualty department exists at the hospita

Class C2 Residential Schools / university

Residential Schools (Pupils up to 18yrs): 1 garage or parking space per resident member of staff, plus 1 per 2 non-resident, plus 1 per 20 pupils for parents/visitors

University Residential Colleges and Training Centres (Students 16yrs & over): 1 garage or parking space per resident staff, plus 1 space per non-resident staff, plus 1 space per 4 students, plus 1 space per 100 students for visitors



Class D1 - Dentist / Doctor

3 spaces per consulting room/cubicle

Class D1 - Nursery / Creche

1 space per 2 staff normally present at peak working times.

plus 1 space per 5 child placements and / or adequate pick up/set down points within the curtilage of the facility.

Where possible, emergency vehicle access should also be provided which cannot be obstructed by any of the above parking provision



Class D1 - Schools

1 space per 2 staff normally present at peak working times.

plus 1 space per 5 child placements and / or adequate pick up/set down points within the curtilage of the facility.

Where possible, emergency vehicle access should also be provided which cannot be obstructed by any of the above parking provision



Class D1 - Colleges

1 space per full-time staff member

plus 2 spaces per 5 students

Class D1 - Places of worship

1 space per resident member of clergy or staff

plus 1 per 2 other clergy / staff

plus 1 per 10 seats.

If the facility comprises another community use, an assessment will have to be made with reference to the guidance for community centres and halls



Class D1 - Theatres

1 parking space per 5 fixed seats

and adequate turning and loading facilities, incorporating space for one coach or a 16.5m lorry

Class D1 - Galleries / Museums /Libraries

1 space per full-time staff member

plus 1 space per 30 square metres public floor area for visitors.

In town centres where public parking is available, the need for visitor parking may be relaxed

Class D2 - Cinema, Bingo & Concert Halls

1 space per senior member of staff

plus 1 space per 10 seats in town centres or 1 space per 4 seats for out of centre developments.

Class D2 - Sports & Leisure

- 1 space per 2 members of staff present at peak work times
 - 1 space per 20 square meters indoor playing area for participating customers
 - 3 spaces per squash court
 - 1 space per 2 players / officials capable of using outdoor playing space at any one time
 - 1 space per 10 square metres of swimming pool surface area
plus 1 space per 4 seats for spectators
 - 3 spaces per bowling alley lane
 - 1 space per snooker or pool table
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Thank You

References:

Parking Standards: <https://parkingstandards.co.uk/>

British Parking Association:

https://www.britishparking.co.uk/write/Documents/Library%202016/Bay_Sizes_-_Jul_2016.pdf

The Institute of Structural Engineers Car Park Design V2

Line-Mark.com
