THE BICYCLE STORAGE FACILITY GUIDE

THE ULTIMATE GUIDE TO INDOOR & OUTDOOR CLASS I BICYCLE PARKING

NAVIGATING ORDINANCES

SAVING TIME

SAVING SPACE

SAVING MONEY
SPACE EFFICIENT, HIGH VALUE

In metropolitan areas price per square foot reaches $5000 and up. More people than ever are riding bicycles and need a place to park, but space has never been more valuable.

The Bicycle Storage Guide accumulates best practices and offers simple steps to help make the most of your space.
Bicycle parking is separated into classes, this Guide focuses on Class I parking, but projects often need both.

Generally speaking, Class I is considered long-term parking and usually requires shelter from most (if not all) elements.

Short-term parking is intended for a couple of hours at most and is commonly seen on sidewalks, quads, or in converted car parking spaces.

**CLASS I BICYCLE PARKING KEY**

Protection from elements?
- Yes  No  Varies between product/space

- Rain  Snow  Sunlight
Bicycle parking ordinances vary from location to location, but there are a few features that transcend across most major cities.

This Guide contains four steps to get your project started, incorporating tips on ordinance requirements to help ensure your bicycle parking is successful.

**ORDINANCE AWARENESS**

Step 1) Determine The Number of Bikes Needed
Step 2) Assess Your Space
Step 3) Determine Your Layout
Step 4) Installation
STEP 1
DETERMINE THE NUMBER OF BIKES NEEDED

Here's what to look for in your local ordinances to quickly calculate the amount of bikes you need.

- Ratios per dwelling unit, including student housing or other group housing buildings
- Bed or room ratios, esp. for student housing or hotels
- Square feet minimums, esp. for offices, retail, financial services, restaurants, and more
- Minimum vehicle parking ratios & percentages
- Employee or guest ratios, esp. for arenas or other large venues
STEP 2
ASSESS YOUR SPACE

Decide where to put your bikes by assessing these common location and spacing requirements for indoor or outdoor Class I parking.
**STEP 3**

**DETERMINE YOUR LAYOUT**

On top of bicycle parking, certain features may be required to meet your local ordinances.

Step 3 covers recommended additions and the most common successful layout designs.

**RECOMMENDED ADDITIONS**

- Surveillance cameras create additional peace of mind
- Install key fob technology
- Create a bicycle friendly experience with maintenance & repair stations
- Use signs to avoid conflict & inform people of policies
- You may need to include a securable gym locker system for storing extra clothing & toiletries
- Some project types, like retailers, offices, warehouses, and similar may require providing a shower in buildings with 50-100 employees. Exceeding 100 employees and one shower for each sex is recommended.
- You may need to include a securable gym locker system for storing extra clothing & toiletries.
SUCCESSFUL LAYOUT DESIGNS

Determine your layout type, build a layout that accommodates for the future, and fill the layout with durable and efficient products for long-term satisfaction.

Ground Control System’s Rider Friendly, Max Density, and Balanced layouts are based on successful projects from over 25 years of experience.

RIDERS FRIENDLY
- Follows APBP guidelines
- Easier to use bicycle docks
- No bike-on-bike conflict
- Greatest user satisfaction
- Lower density bikes per square foot

MAX DENSITY
- Highest density bikes per square foot
- Highest value layout
- Some lifting required, may not accommodate all riders

BALANCED
- Accommodates all cyclists
- Follows APBP guidelines with on-ground parking
- May use a combo of two-tier racks, docks, and vertical racks
STEP 4
INSTALLATION

Here are a few installation tips before you get started and some typical product setbacks and specs.

- Fully read the installation instructions before beginning
- Double check that the proper equipment, tools, and safety gear are on hand
- Make sure the installation area is properly lit
- Using bicycles as a test will help with aisle spacing and installation
- Concrete is preferred, asphalt and pavers are possible but require different mounting hardware
Typical Installation Sample Setbacks Using APBP* guidelines

*Association of Pedestrian and Bicycle Professionals - go to APBP.org for helpful information
BICYCLE STORAGE IS AN AMENITY

Bicycle parking facilities may be a requirement, but bicycle parking requirements can work for you.

FOR THE OWNER:
Stay in tune with the Bicycle Friendly movement & gain recognition
*Bike storage deposits & fees help create ancillary revenue
Tax credits & LEED certification
Some commercial and government programs may exist to subsidize the cost of bicycle parking
Reduce costly vehicle parking requirements with bicycle parking instead
*Note: some ordinances do not allow additional fees, so check if your project type allows it!

FOR THE USER:
Healthy bike riding employees = happy, productive employees
Employers may offer $20/month to reimburse bicycle commuting expenses
Class I Facilities support inexpensive, environmentally friendly traveling
Class I Facilities protect property with high-security, long-term parking

Resources:
groundcontrolsystems.com
bikeleague.org
Over 10,000 projects and counting.

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