

Specifications for High Density Bike Parking System

Division 12 00 00 Furnishings

Section 02871

Section 12 93 00 Site Furnishings

Bike Racks

Section 12 93 13 Bicycle Racks

Revision A

These specifications were current at the time of publication but are subject to change at any time without notice.

Part 1 General

1.1. Summary

This section includes specifications for the Terrace™ High Density Bike Parking System.

1.2. Related Sections

<Reserved>

1.3. Submittals

Manufacturer's data sheets on each product to be used, including full range of configuration options.
Manufacturer's installation instructions.

1.4. Quality Assurance

1.4.1. Manufacturer Qualifications

A firm experienced in manufacturing bicycle racks similar to those required for this project and with a record of successful in-service performance.

1.4.2. Installer Qualifications

An experienced installer who has completed installation of bicycle parking infrastructure similar in material and design indicated for this project and whose work has resulted in proven record of successful in-service performance.

1.4.3. Source Limitations

Obtain each color, finish, shape and type of bicycle parking equipment from a single source with resources to provide components of consistent quality in appearance and physical properties.

1.5. Delivery, Storage, and Handling

Upon delivery, before signing for shipment, inspect for any damage. Store bicycle racks in original undamaged packages and containers until ready for installation. Handle bicycle racks with sufficient care to prevent any scratches or damage to the finish.

1.6. Project Conditions

Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits. The Two-tier bicycle rack is manufactured for indoor use, or outdoor use when protected from elements in a covered location.

1.7. Warranty

Bicycle racks carry a one-year manufacturer's limited warranty against defects in materials and workmanship. The warranty period begins the date the product is shipped from the manufacturer.

Part 2 Products

2.1. Manufacturers

2.1.1. Acceptable Manufacturer

Sportworks
 15440 Woodinville-Redmond Rd. NE, A-200
 Woodinville, WA 98072
 Tel: 425-483-7000; email: sales@sportworks.com
www.sportworks.com

2.1.2. Substitutions

Not permitted. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2. Materials and Finish

Mild steel with powder-coat finish. Standard color options: Steel gray or black;
 Custom colors also available. Contact manufacturer for availability and lead time.

2.3. Specifications

Two-tier, high-capacity bicycle rack

2.3.1. Bicycle Compatibility

Maximum wheelbase: 48"
 Maximum tire width: 3"
 Maximum weight (upper tier): 55 lbs.
 Wheel size: 16" to 29" (inc. 700c)

2.3.2. Bicycle Capacity

Accommodates a minimum of 4 bikes; the system is modular and can expanded to accommodate any quantity.

2.3.3. Single-Sided Rack Dimensions (WxHxD)

Base, 4 bike capacity: 37.5" x 73.2" x 61.7"
 Base, 8 bike capacity: 69.5" x 73.2" x 61.7"
 Base, 12 bike capacity: 101.5" x 73.2" x 61.7"
 Extension, 4 bike capacity: 33.5" x 73.2" x 61.7"
 Extension, 6 bike capacity: 53.5" x 73.2" x 61.7"
 Extension, 8 bike capacity: 65.5" x 73.2" x 61.7"
 Extension, 12 bike capacity: 97.5" x 73.2" x 61.7"

2.3.4. Double-Sided Rack Dimensions (WxHxD)

Base, 8 bike capacity: 37.5" x 73.2" x 110.5"
 Base, 16 bike capacity: 69.5" x 73.2" x 110.5"
 Base, 24 bike capacity: 101.5" x 73.2" x 110.5"
 Extension, 8 bike capacity: 33.5" x 73.2" x 110.5"
 Extension, 12 bike capacity: 53.5" x 73.2" x 110.5"
 Extension, 16 bike capacity: 65.5" x 73.2" x 110.5"
 Extension, 24 bike capacity: 97.5" x 73.2" x 110.5"

2.3.5. Uprights

2-1/2" .125W sq tube

2.3.6.Upright base

5/16" Plate

2.3.7.Crossbar

3" .120W sq tube

2.3.8.Bicycle Trays

2"x3" .125W tube, 1/2" round bar

2.3.9.Installation Method

5/16" mounting plate will accept 1/2" anchors

2.3.10. Hardware Supplied

Concrete Wedge Anchors
Hex Bolts, Nuts, Washers
Tamper-resistant Torx Screws

2.4. Setbacks and Space Use

2.4.1.Bike spacing

16"

2.4.2.Ceiling Height

105" minimum; 108" recommended

2.4.3.Loading Aisle Clearance

54" minimum; 72" recommended

Part 3 Execution

1.1. Examination

Do not begin installation until substrates have been properly prepared.
If substrate preparation is the responsibility of another installer, notify the architect of unsatisfactory preparation before proceeding.

1.2. Installation

Install in accordance with manufacturer's instructions.

1.3. Protection

Protect installed products until completion of project. Touch-up, repair or replace damaged products before Substantial Completion.