

Division 12 00 00 FURNISHINGS**Section 12 93 00 SITE FURNISHINGS****Section 12 93 13 BICYCLE RACKS****Part 1 General**

1.01 Summary

- A. This section includes specifications for mounting rails:
 - i. with 6 bike parking capacity.
 - ii. with 8 bike parking capacity.
 - ii. with 10 bike parking capacity.

1.02 Submittals

- A. Manufacturer technical drawing.
 - i. Size, shape, and finish.
- B. Installation instructions.
- C. Setback requirements.

1.03 Quality Assurance

- A. Manufacturer Qualifications:
 - i. Minimum 5 years of bicycle rack manufacturing experience.
 - ii. Have manufactured and delivered this style of rail.

1.04 Delivery, Storage and Handling

- A. Inspect shipment upon delivery for freight damage and note complaint with carrier.
- B. Protect bicycle racks during storage and installation.
 - i. Use original packing if possible for storage.
 - ii. Protect finish of rails from scratches or damage with careful handling.

1.05 Warranty

- A. Provide manufacturer's standard warranty.
 - i. Terms of warranty: 1 year from invoice date against defects in materials and/or workmanship.

Part 2 Products

2.01 Manufacturer

- A. Provide three different lengths of mounting rails, one with a maximum parking capacity of 6, one with a maximum parking capacity of 8, and one with a maximum bike parking capacity of 10.

2.02 Materials

- A. Mounting rail: Custom aluminium extrusion profile (6061 T6).
- B. End cap: Custom plastic injection molded part (Blend of Polypropylene and Kraton).

2.03 Finish

- A. Mounting Rail:
 - i. Clear Anodized per MIL-A-8625, Type II, Class 1 (Non-dyed).
- B. End Cap
 - i. As molded.

2.04 Dimensions

- A. 6 bike parking capacity rails: each rail is 66.1" long x 5.4" wide and 1.3" high.
- B. 8 bike parking capacity rack: 93.6" long x 5.4" wide x 1.3" high.
- C. 10 bike parking capacity rack: 121.1" long x 5.4" wide x 1.3" high.

2.05 Mounting

A. Surface Anchor/Mounting Options (all pairs of mounting rails require 4 x ½" anchors)

- i. Concrete wedge anchors.
- ii. Concrete wedge anchors with tamper resistant nuts.
- iii. Concrete drive spikes.

2.05 Additional Specifications

- A. Rails edges to have a gentle 120° approach and departure angle for ease of rolling bike tires over.
- B. Rails height to be 1.25" thereby minimizing interference between the inside edges of a bikes tires.
- C. Rails to allow a variety of different Sportworks (2 bike parking capacity) racks to be mounted.
- D. Rails to hide any non-tamper-resistant fasteners used for mounting racks to rails.
- E. Rails to space racks 27.5" apart (from centerline to centerline of racks).
- F. Rails to allow bike racks to be mounted at 90° or 56° to the rails.

Part 3 Execution

3.01 Installation

A. Surface Mount:

- i. Install 2 fasteners per mounting rail (4 total per pair) as designated in manufacturer specifications.
- ii. Install mounting rail in accordance with APBP (Association of Pedestrian and Bicycle Professionals) recommendations for location and spacing.

B. The installer is responsible for ensuring the mounting surface and installation method are adequate to safely secure the bicycle rack.