

**Section 12 93 13 Bicycle Racks**  
**SPECIFICATIONS FOR GROUND CONTROL SYSTEMS® Radius Bike Rack**

**PART 1: GENERAL**

**1.1 Summary**

Section includes written specifications for the Radius Bike Rack.

**1.2 Quality Assurance**

**A. Manufacturer Qualifications:**

1. A manufacturer experienced in manufacturing and producing commercial bicycle parking docks similar to the desired specification described for this project and with a record or successful in-service performance.
2. Product Options: The manufacturer will be able to produce several finish and color options, shapes and types of bicycle racks from a single source or from resources able to provide product options of like quality in both form and function.
3. Manufacturer Service Options: The manufacturer will be able to present product specific drawings of the bicycle racks size, shape, dimensional requirements, and weight.

**B. Installer Qualifications:**

Experienced installer has completed installation of bicycle racks similar in specifications and to the extent indicated for this project.

**1.3 Submittals**

- A. Product Information:* Must contain physical descriptions of product features, bicycle parking capacity, dimensions, shape, installation hardware requirements, setback requirements and spacing, and finish options for each bicycle dock.
- B. Installation Drawings and/or Installation Video:* Details Installation instruction for the designated bicycle dock. Drawing packages and submittals can be supplied by GroundControlSystems.
- C. Product Verification:* Able to submit finished samples for review and verification upon request.
- D. Manufacturer's Project References:* Able to provide a minimum of three references for whom the firm provided similar or comparable services during the last 5 years and a description of the services provided.
- E. Warranty:* Submit manufacturer's standard warranty.

**1.4 Delivery, Storage and Handling**

- A. Delivery:** In order to ensure shipments are received undamaged, a thorough inspection must be made and noted on the B.O.L. on the receipt of delivery.
- B. Storage:** Bicycle racks should be stored in their original packages or containers until they are ready for installation.
- C. Handling:** Before and up to installation, bicycle racks should be handled with sufficient care in order to prevent any finish damage.

## **1.5 Warranty**

*Manufacturer's Warranty:* Bicycle racks carry a 1 year limited warranty against defects in materials and workmanship beginning on the date of delivery. Please see separate warranty documents for complete details and limitations on manufacturer liability.

## **PART 2: PRODUCTS**

### **2.1 Manufacturer**

Provided bicycle racks manufactured by Ground Control Systems, 708 Alhambra Blvd, Suite 200, Sacramento, CA, 95816, 1-800-630-7225, Fax: 1-866-532-9049, Website:www.groundcontrolsystems.com

### **2.2 Materials**

A. Steel: ASTM A36 Steel for all structural steel plate ASTM A53 Steel for all pipe

### **2.3 Finishes**

A. DuraPlas® finish– standard black.

### **2.4 Radius Bicycle Rack Footprint**

A. Setbacks:

1. Parallel to wall Setback: minimum 24" to center of rack.
2. Perpendicular to a wall: minimum 42" to center of rack.
3. Distance between racks: minimum 30" center to center. Recommended 36".
4. Maintain 48" aisle space minimum for access of occupied racks.

B. Rail racks:

1. Rail-mounted racks have the racks attached to the rail using bolts.
2. Rail-mounted racks can be either freestanding or can be attached to the ground using several wedge anchors.
3. The advantages to rail-mounted or freestanding racks are:
  - a. Easier and inexpensive installation
  - b. Can be left freestanding or attached to the ground
  - c. Can be easily removed
4. Free standing rail racks are commonly used where snow removal/sweeping is an issue, or when no suitable base material is available.

## **PART 3: EXECUTION**

### **3.1 Examination**

Examine footprint and setbacks to ensure conditions are adequate for installation. Do not proceed with installation if conditions are not adequate for install. Notify project architect if conditions are unsatisfactory.

### **3.2 Preparation**

Make sure the location of the racks is flat, level, square, accurate for alignment, and correctly located for installation of bicycle racks.

### **3.3 Installation**

A. Surface or Flange Mount: An above ground mount that is attached to the base material through the product specific flange plate and anchors.

B. Rail Mounted: Radius Racks are attached to rails to produce a free-standing unit that can hold multiple bikes.

### **3.4 Quoting**

A. Product Specification: Make sure the product item, finish options, fasteners, and expected lead time have been included in the estimate.

B. Pricing: Estimates are good for 45 days; contact a Ground Control representative for a current price list.

### **3.5 Freight**

Radius Bicycle Racks can be shipped UPS, and in some cases ship freight (LTL), depending on quantity order. Call Ground Control at 1-800-630-7225 for freight quotes.

### **3.6 Purchasing**

A. Product specification: Make sure the product item, finish options, fasteners, and expected lead time have been included in the estimate.

B. Pricing: Estimates are good for 45 days; contact a Ground Control representative for a current price list if the estimate has expired.

C. Placing an order: You can order via phone 1-800-630-7225; Fax: 1-866-532-9049; email - [info@groundcontrolsystems.com](mailto:info@groundcontrolsystems.com). Or, if submitting purchase orders, mail to: 708 Alhambra Blvd, Suite 200. Sacramento, CA 95816.