

PART 1: GENERAL

1.1 Summary

Section includes written specifications for the Guardian™, Diamond Bicycle Rack.

1.2 Quality Assurance

A. Manufacturer Qualifications:

1. A manufacturer experienced in manufacturing and producing commercial bicycle parking racks 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, and types of the 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 such as bicycle parking capacity, dimensions, shape, installation hardware requirements, and finish options for each bike rack.
- B. Installation Drawings and/or Installation Video: Details installation instruction for the designated bicycle rack. Drawing packages and submittals can be supplied by Ground Control Systems.
- C. Product Verification: Able to submit finish 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 performed and noted on the B.O.L. upon receipt of shipment.
- B. Storage: Bicycle racks and components 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 one year limited warranty against defects in materials and workmanship beginning on the date they received.

PART 2: PRODUCTS

2.1 Manufacturer

Provided bicycle racks designed 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. Pipe: Steel ASTM A500 Pipe, "A" Shaped
- B. Flange: Steel ASTM A36 Sheet Metal Laser Cut
- C. Lock Bar: Steel ASTM A36 Sheet Metal Laser Cut, Arched and Crowned
- D. Guard: EPDM Compression Molded Guards
- E. Cross Bar: 8-3/8" Steel Bike Separation Cross Bar to Eliminate Bike Entanglement and Reduce Bike(s) From Sliding Down

2.3 Finishes

UV Resistant Powder Coat – Silver (Standard)

2.4 Space Use

- A. Guardian™ Setbacks:
 - 1. Wall setback: For racks set parallel to the wall, a minimum 30" is recommended. For racks perpendicular to the wall, 22" measured to the center of the first flange bolt is recommended.
 - 2. Street setback: For racks parallel to the street 45" is recommended. For racks perpendicular to the street 38" measured to the center of the first flange bolt is recommended. Where vehicle parking is prohibited 22" is the recommended minimum. If possible, avoid installing a bike rack in a car door opening zone.
 - 3. Distance Between Racks: 36" center-to-center spacing is recommended for best space and bike efficiency. 42" is recommended for the best user-friendly experience.
 - 4. Diagonal positioning will increase walk space for narrow areas but will decrease the space needed for locking the bike.

2.5 Product Details

- A. 2 bike capacity
- B. 1½" x 1½" Sq. Pipe
- C. All steel construction
- D. Lock bar allows for secure locking of bike frame and wheel without bike slipping
- E. Compression molded elastomeric guards reduce the metal to bike contact while the bike(s) is leaned and locked to the rack.
- F. Surface mount (Anchors available), Rail mount accessory for freestanding applications.
- G. U-lock compatible

PART 3: EXECUTION

3.1 Examination

Examine footprint to ensure conditions are adequate for installation. Do not proceed with installation if conditions are not adequate for installation. Notify the project manager if conditions are unsatisfactory.

3.2 Preparation

Make sure the location of the bike racks is flat, level, square, accurate for alignment, and correctly located for the installation of the bike racks. Shimming may be necessary for tapered and uneven grades.

3.3 Installation

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

Surface Rail Mount: An above ground rail that allows for the mounting of 4, 6 or 8 bikes and has the option to adjoin rails for additional parking.

3.4 Quoting

- A. Product Specification: Make sure the product item, finish options, installation hardware, fasteners, and expected lead time have been included in the estimate.
- B. Product Pricing: Quotes are in US Dollars and valid for 90 days.
- C. Product Pricing: Quotes for Special Orders are valid for 30 days. (Special orders are purchases containing non-stocking products, custom colors, or quantities higher than what is typically on hand.
- D. Shipping Pricing: Shipping Quotes are estimates and only good for 30 days - cost may fluctuate up to 25%.

3.5 Freight

- A. The Guardian™ Bicycle Rack can be shipped UPS and in some cases freight LTL, depending on quantity on order. Call Ground Control Systems at 1-800-630-7225 for a formal quote.
- B. Shipment Pricing: Estimates are good for 30 days; contact a Ground Control Systems representative for a current price list.

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 90 days (30 days for special orders); contact a Ground Control Systems representative for a current price list if the estimate has expired.
- C. Shipping Pricing: Shipping Quotes are estimates and only good for 30 days - cost may fluctuate 25%.
- D. Placing an order: You can order via phone 1-800-630-7225; Fax 1-866-532-9049; Email - info@groundcontrolsystems.com. Or, if submitting purchase orders, mail to: 708 Alhambra Blvd, Suite 200, Sacramento, CA, 95816.