

## PART 1: GENERAL

### 1.1 Summary

This section includes written specifications for the Undergrad® 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](http://www.groundcontrolsystems.com).

### 2.2 Materials

- A. Steel: ASTM A36 Steel for all structural steel plate ASTM A53 Steel for all pipes.
- B. Smart Guards: Two cushioned black injection molded urethane Smart Guards that attach to the Locking Loops (wings) for extra protection for bikes against paint damage from the metal dock.

### 2.3 Finishes

- A. Hot dipped galvanized finish (marine environment)
- B. Black Polyester Powder Coat

### 2.4 Space Use

- A. DV215 Varsity® Bike Dock Setbacks:
  - 1. Front of dock to wall: minimum 18" perpendicular to the center base plate. Minimum 16" diagonal 30°.
  - 2. Docks parallel to a side wall: minimum 24" from center base plate.
  - 3. Distance between docks: minimum 32" center to center. Recommended 38½" perpendicular, 44½" diagonal.
  - 4. Parallel to street: minimum 45" from curb.
  - 5. Perpendicular to street: minimum 38" from curb where vehicle parking is present. 18" where vehicle parking is not permitted.
  - 6. The surface mounted Varsity® Bike Dock is installed onto a concrete base with two " anchors. Contact Ground Control for desired length (3¾" minimum).
- B. Rail Docks:
  - 1. Rail-mounted docks have the docks attached to the rail using bolts and are pre-configured multiple docks on one rail.
  - 2. Rail-mounted docks can be either freestanding or can be attached to the ground using several wedge anchors.
  - 3. The advantages to rail-mounted or freestanding docks 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 docks are commonly used where snow removal/sweeping is an issue, or when no suitable

## PART 2: PRODUCTS

base material is available.

### 2.5 Product Details

- A. 2 bike capacity, right or left entry, surface mounted, or in-ground mount.
- B. Steel formed wheel pockets: index either front or rear wheel in a well.
- C. 14" inch containment space.
- D. Locking Loops -resists cutting, rusting, and bending or deformation.
- E. Angled stem for space efficiency and the prevention of overlapping handlebars.
- F. Injection molded urethane guards protect the bicycle from metal-to-metal contact to prevent damage to the bicycle.

## 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

- A. In-ground Installation: Bicycle dock is embedded into a concrete base, 8" diameter x 12" depth.
- B. Surface or Flange Mount: An above ground mount that is attached to the base material through the product specific flange plate and anchors.
- C. Rail Mounted: Varsity® Bike Docks are attached to rails to produce a free-standing unit that can hold multiple bikes as either a single sided or double-sided unit.

### 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. DV215 Varsity® Bike Dock 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](mailto:info@groundcontrolsystems.com). Or, if submitting purchase orders, mail to: 708 Alhambra Blvd, Suite 200, Sacramento, CA, 95816.