

PART 1: GENERAL

1.1 Summary

This section includes written specifications for the DD04, and DD06 Double Docker™ bicycle racks.

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: Detailed installation instructions for the designated bicycle rack. Drawing packages and submittals can be supplied by Ground Control Systems.
- C. Assembly Instructions: For the DD04 and DD06 Double Docker™ bicycle racks.
- D. Product Verification: Able to submit finish samples for review and verification upon request.
- E. 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.
- F. 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

Provide bicycle lockers manufactured by Ground Control Systems®, 708 Alhambra Blvd, Sacramento, CA 95816, 800-630-7225. Fax: 866-532-9049 Website: www.groundcontrolsystems.com.

2.2 Materials

- A. All steel construction, ASI materials, for durability.
- B. Plastic wheels for smooth travel of slide.
- C. Urethane bumpers to absorb slide impact.
- D. Zinc plated hardware.
- E. Components:
 - 1. Slide assembly, upper track, single, HD galvanized
 - 2. Lower bike track, single, HD galvanized
 - 3. Support leg, HD galvanized
 - 4. Cross beam manifold, HD galvanized
 - 5. Mounting bracket and hardware kit, lower bike tracks, one short and one tall bracket, HD galvanized
 - 6. Hardware kit, double docker, u-bolts with nuts
 - 7. $\frac{3}{8}$ " x $3\frac{3}{4}$ " - 16 UNC stainless steel concrete wedge anchor kit

2.3 Finishes

- A. Hot dipped galvanized finish (marine environment)
- B. Powder coat, black, with zinc-rich primer

2.4 Space Use

- A. Double Docker™ setbacks:
 - 1. Ceiling height: Minimum 102"
 - 2. Loading Zone: Recommended 48"-72"
 - 3. Distance to front wall: 10" to center of beam (2.5" to the edge of dock)
 - 4. Distance to side wall: 14.5" to 17" from center of bike
 - 5. When adding other Double Docker™ units in longer rows, maintain 16.5" bike to bike spacing. If using optional 17" spaced units maintain 17" bike to bike spacing
 - 6. The surface mounted Double Docker™ rack is installed onto a concrete base with DD04: Six (6) $\frac{1}{4}$ " strike anchors and five (5) $\frac{3}{8}$ " wedge anchors. Rack is installed onto a concrete base with DD06: Nine (9) $\frac{1}{4}$ " strike anchors, and five (5) $\frac{3}{8}$ " wedge anchors.
 - 7. Contact Ground Control Systems for desired length ($3\frac{3}{4}$ " minimum), several types of anchor styles are available.

PART 2: PRODUCTS

2.5 Product Details

- A. Two-tier allows double the density
- B. Double sided configurations hold 8-12 bikes
- C. Vertically staggered position prevents handlebar conflicts
- D. Gas strut lift-assist makes loading easy - very little strength required*
- E. Grade 5 U-bolts keep upper row secured
- F. Convenient locking loops to lock frame and wheel on bike
- G. Movable legs allow retro-fitting over existing horizontal bike parking
- H. Surface mount (Anchors available)
- I. U-lock compatible
- J. DD04 Double Docker™
 - 1. 04-bike capacity
- K. DD06 Double Docker™
 - 1. 06-bike capacity

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.

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 Double Docker™ Bicycle Racks are shipped by freight. Call Ground Control Systems 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 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.