**GUIDE SPECIFICATIONS FOR BR11 / SBR11 “U” STYLE BIKE RACK**

**SECTION 02871**

**BIKE RACKS**

These specifications were current at the time of publication but are subject to change at any time without notice. Please confirm the accuracy of these specifications with the manufacturer and/or distributer prior to installation

**PART 1 GENERAL**

* 1. **Summary**
1. This section includes specifications for the BR11 Inverted “U” style bike rack.
2. **BR11B** designation: steel, surface mounted model.
3. **BR11F** designation: steel, below grade mounted model.
4. **SBR11B** designation: 304 stainless steel, surface mounted model.
5. **SBR11F** designation: 304 stainless steel, below grade mounted model.
6. 2 bicycles parked per rack.

**1.2 Quality Assurance**

1. Manufacturer’s Qualifications: Provide all bicycle rails produced by a firm experienced in manufacturing bicycle rail systems that are similar to those indicated for this project with a record of successful in-service performance.
2. Single Source Responsibility: Obtain all bicycle racks from a single manufacturer to ensure full compatibility and warranty of parts.
3. Design Criteria: The drawings indicate the size, profile, and dimensional requirements of all bicycle racks required and are based on the specific types and models indicated. Bicycle racks by other manufacturers may be considered, provided deviations in dimensions and profiles are minor and do not change the design concept as judged by the project architect. The burden of proof of equality is on the proposer.
4. Installer Qualifications: Engage an experienced bicycle rack installer who has completed installations of all equipment similar in design and extent to those required for the project, and whose work has resulted in construction with a record of successful in-service performance.

**1.3 Submittals**

1. Product Data: Submit manufacturer’s product data for all bicycle rack equipment including dimensions, shape, materials, parking capacity, and product finish.
2. Shop Drawings for bicycle rack and installation details are required from the manufacturer.
3. Physical samples of the rack finish are to be provided and reviewed for acceptance.
4. Maintenance Data on finishing, hardware, and accessories included.

**1.4 Delivery, Storage, & Handling**

1. Deliver all racks and related components in the manufacturer’s original protective packaging.
2. Before signing for the shipment inspect components for damage. Any damage notes should be noted on the bill of lading.
	1. **Warranty**
3. Standard one year warranty protects against manufacturer’s defects.

**PART 2 PRODUCTS**

**2.1 Acceptable Manufacturers**

1. Basis of Design: Duo-Gard Industries Inc., 40442 Koppernick Rd, Canton, MI 48187; (734) 207-9700, Fax: (734) 207-7995, Website: [www.duo-gard.com](http://www.duo-gard.com).

**2.2 Materials**

1. 40NB (50mm / 1 31/32”) X (1.5mm / 1/16”) uncoated steel pipe.
2. Model designations: **BR11B (surface mounted)** OR **BR11F (below grade mounted)**.
3. 40NB (50mm / 1 31/32”) X (1.5mm / 1/16”) uncoated 304 stainless steel pipe.
4. Model designations: **SBR11B (surface mounted)** OR **SBR11F (below grade).**
5. 316 stainless steel is available upon request.
6. Model designation: **SBR11B (surface mounted)** OR **SBR11F (below grade).**

**2.3 Finish**

1. Hot dipped-galvanized.
2. Available model designations: **BR11B (surface mounted) OR BR11F (below grade)**
3. TGIC powder coat finish. Thickness to be no less than 6 mils
4. Available model designations: **BR11B (surface mounted) OR BR11F (below grade)**
5. Satin #4 finish or high luster electropolish finish (stainless steel product only).
6. Available model designations: **SBR11B (surface mounted) OR SBR11F (below grade)**

**2.7 Mounting Options**

1. **BR11B** - Surface mounted (wedge anchor hardware to be included with bike racks).
2. **SBR11B** - Surface mounted (wedge anchor hardware to be included with bike racks).
3. **BR11F** - Below Grade
4. **SBR11F** – Below Grade

**2.8 Rail Mounted Racks**

1. Inverted “U” style bike racks with base plates can be mounted to a rail system.
2. Can be mounted to the concrete, asphalt or left free standing.
3. Rail mounted racks can come in quantities of 3, 4, and 5.
	1. **Fabrication**
4. Fabricate all components to designs and sizes indicated.

**PART 3 EXECUTION**

**3.1 Examination**

1. Examine footing with installer, present for compliance with necessary project requirements indicated such as aisle width and bicycle rack spacing.
2. Correct any unsatisfactory conditions before proceeding with the installation.

**3.2 Installation**

1. Install bicycle rack and associated components in accordance with manufacturer’s printed instructions and recommendations.
2. Install as per site drawings or relevant guidelines.
3. Installation options
4. Below grade mount
5. Surface Mounted (mounting hardware provided)
6. Rail mounted (option for freestanding)

**3.3 Purchasing Information**

1. When ordering or specifying this rack, make sure the product type, finish, and mounting preference.
2. Pricing is valid for 30 days; contact a Duo-Gard representative for current pricing if quotation has expired.
3. When placing an order e-mail sales@duo-gard.com, and / or call 734-207-9700