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Guide Specifications for Bike Fixtation Public Bike Pumps

SECTION 02871 OR MASTERFORMAT (2004) SECTION 129313 - BICYCLE RACKS

PART 1 GENERAL

1.1 Summary

- A. This section includes specifications for Bike Fixtation Public Bike Pumps

1.2 Related Sections

- A. Related Requirements:

1. Section 12 93 14 - Bicycle Lockers: Enclosed bicycle storage lockers.
2. Section 32 39 13 – Bollards: Bollards with bicycle storage.

1.3 Related Sections

- A. American International (ASTM):

1. ASTM A 53 - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
2. ASTM A 123 - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
3. ASTM A 312 - Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes.
4. ASTM A 314 - Standard Specification for Stainless Steel Billets and Bars for Forging.

1.4 Submittals

- A. Product Data: Manufacturer's data sheets on each product to be used, including full range of standard color selections.
- B. Maintenance Data: Manufacturer's installation and maintenance guide.
- C. Samples for Verification: Submit finish samples for review and verification.
- D. Include recommended methods for repairing damage to the finish.

1.5 Quality Assurance

- A. Manufacturer Qualifications: A firm experienced in manufacturing bicycle repair equipment similar to those required for this project and with a record of successful in-service performance.
- B. Installer Qualifications: An experienced installer who has completed installation of bicycle repair equipment similar in material, design, and extent to that indicated for this project and whose work has resulted in construction with a record of successful in-service performance.
- C. Source Limitations: Obtain each color, finish, shape and type of bicycle repair equipment from a single source with resources to provide components of consistent quality in appearance and physical properties.

- D. Product Options: Drawings indicate size, shape and dimensional requirements of bicycle repair stations and are based on the specific system indicated.

1.6 Delivery, Storage and Handling

- A. Deliver all materials in their original sealed containers bearing manufacturer's name and identification of product.
- B. Do not store products in location with conditions outside manufacturer's absolute limits.
- C. Materials delivered to the site shall be examined for concealed damage or defects in shipping. Defects shall be noted and reported to the Owner's Representative in writing.

1.7 Project Conditions

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.8 Warranty

- A. High Security Outdoor Public Bike pumps, Electric Public Bike Pump, and Air Control panel carry a two year manufacturer's limited warranty against defects in materials and workmanship. The two year warranty period begins the date the product is shipped from the manufacturer.
- B. High Security Indoor Public Bike pumps carry a one year manufacturer's limited warranty against defects in materials and workmanship. The one year warranty period begins the date the product is shipped from the manufacturer

PART 2 PRODUCTS

2.1 Acceptable Manufacturers

- A. Provide bicycle repair equipment manufactured by Bike Fixtation., 2647 37th Avenue S, Minneapolis, MN 55406, 1-612-568-3494. Website: www.bikefixtation.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 Materials

A. High Security Outdoor Public Bike Pump

1. Main Body .25" and .125" 304 stainless steel
2. Pump shaft: 3/4" 304 stainless steel
3. Pressure gauge cover: 1/4" polycarbonate.
4. Internal pump design: Bike Fixtation
5. Integrated air hose: High pressure rubber exterior hose with triple braided steel wire core
6. Optional Tools tethered by 3/16" stainless steel cable
 - a. Steel core tire lever (qty 2.)
 - b. 15mm box wrench

B. High Security Indoor Public Bike Pump

1. Main Body .25" and 7 gauge steel

2. Pump shaft: 3/4" 304 stainless steel
3. Pressure gauge cover: 1/4" polycarbonate.
4. Internal pump design: Bike Fixtation
5. Integrated air hose: High pressure rubber exterior hose with triple braided steel wire core
6. Optional Tools tethered by 3/16" stainless steel cable
 - a. Steel core tire lever (qty 2.)
 - b. 15mm box wrench

C. Electric Bike Pump

1. Main Body: 16 gauge steel
2. Pressure gauge cover: 1/4" polycarbonate.
3. Internal pump design: Bike Fixtation
4. Integrated air hose: High pressure rubber exterior hose with triple braided steel wire core

D. Air Control Panel

1. Main Body: 16 gauge steel
2. Pressure gauge cover: 1/4" polycarbonate.
3. Integrated air hose: High pressure rubber exterior hose with triple braided steel wire core

2.3 Finishes

- A. A hot-dipped galvanized finish: performed after fabrication is standard.
- B. Powdercoat finish: TGIC UV resistant Powdercoat. For powder coated/ painted repair stations, the following specifications are required: Part is prepared for painting with hard sandblasting. An epoxy primer is electrostatically applied. A final TGIC, UV resistant polyester powder coat is applied. Final coating thickness shall be no less than 6 mils.

2.4 Setbacks and Space Use

- A. Follow setbacks and space use in accordance with manufacturer's site layout document.

PART 3 EXECUTION

3.1 Examination

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.1 Installation

- A. Install bicycle pumps in accordance with manufacturer's installation instructions.
- B. Install bicycle pumps level, plumb, square, accurately aligned, correctly located per drawings, and without warp.
- C. It is the responsibility of the installer to ensure that all base materials into which the bike pump will be installed can support the bike pump and will not be damaged by any required installation procedures.

3.2 Ordering Information

- A. When ordering or specifying this bike pump, make sure the product type, finish and fastener type (if applicable) are included. Contact your Bike Fixtation representative for a current price list or to place an order.

3.3 Freight

Call 1-612-568-3494 for freight quotes.

3.4 Protection

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.