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## Guide Specifications for Bike Fixtation Repair Stations

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

#### PART 1 GENERAL

##### 1.1 Summary

- A. This section includes specifications for Bike Fixtation Repair Stations

##### 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. Bike repair stations 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.

## **PART 2 PRODUCTS**

### **2.1 Acceptable Manufacturers**

- A. Provide bicycle repair equipment manufactured by Bike Fixtation., 2647 37<sup>th</sup> Avenue S, Minneapolis, MN 55406, 1-612-568-3494. Website: [www.bikefixtation.com](http://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. Deluxe Public Work Stand**

1. Main Body .25" and 11 gauge steel
2. Top bike hanger: 2" DOM Tubing, .25" steel plate, 356-T6 Cast Aluminum, Polyethylene sleeve.
3. Protective panel: .125" UV resistant polyethylene
4. Tool tethers: 3/16" stainless steel cable
5. Integrated air hose: High pressure rubber exterior hose with triple braided steel wire core
6. Counterbalanced Tools
  - a. Phillips screwdriver with swivel
  - b. Flat blade screwdriver with swivel
  - c. Steel core tire lever (qty 2.)
  - d. Headset wrench
  - e. Pedal wrench
  - f. 8/10mm cone wrench
  - g. 9/11mm cone wrench
  - h. Torx T25 wrench
  - i. 2.5, 3, 4, 5, 6, 8mm Hex keys

## B. Public Work Stand

1. Main Body and hanger: 2" DOM Tubing, .25" steel plate, Polyethylene sleeve.
2. Tool tethers: 3/16" stainless steel cable
3. Tools
  - a. Phillips screwdriver with swivel
  - b. Flat blade screwdriver with swivel
  - c. Steel core tire lever (qty 2.)
  - d. Headset wrench
  - e. Pedal wrench
  - f. 8/10mm cone wrench
  - g. 9/11mm cone wrench
  - h. Torx T25 wrench
  - i. 2.5, 3, 4, 5, 6, 8mm Hex keys

## C. Public Tool Box

1. Main Body: 7 gauge steel plate
2. Tool tethers: 3/16" stainless steel cable
3. Tools
  - a. Phillips screwdriver with swivel
  - b. Flat blade screwdriver with swivel
  - c. Steel core tire lever (qty 2.)
  - d. Headset wrench
  - e. Pedal wrench
  - f. 8/10mm cone wrench
  - g. 9/11mm cone wrench
  - h. Torx T25 wrench
  - i. 2.5, 3, 4, 5, 6, 8mm Hex keys

## D. Wheel Chock

1. Main Body: 1/4" steel plate

## 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 repair stations in accordance with manufacturer's installation instructions.
- B. Install bicycle repair stations 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 repair station will be installed can support the repair station and will not be damaged by any required installation procedures.

### **3.2 Ordering Information**

- A. When ordering or specifying this repair station, 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.