SECTION 129300 - SITE FURNISHINGS

ALL LIBRARIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Bicycle racks.

B. Related Requirements:

1. Section 033000 "Cast-in-Place Concrete" for installing anchor bolts cast in concrete footings.
2. Section 312000 "Earth Moving" for excavation for installing concrete footings.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product including physical characteristics such as shape, dimensions, bicycle parking capacity for each bicycle rack

B. Shop Drawings: Show installation details for each bicycle rack.

C. Samples: For each exposed product and for each color and texture specified.

D. Samples for Verification: For each type of exposed finish, not less than 6-inch- (152-mm-) long linear components and 4-inch- (102-mm-) square sheet components.

E. Product Schedule: For site furnishings. Use same designations indicated on Drawings.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: An experienced Installer who has completed installation of bicycle racks 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.

B. Manufacturer Qualifications: A firm experienced in manufacturing bicycle racks similar to those required for this project and with a record of successful in-service performance.

C. Source Limitations: Obtain each color, finish, shape and type of bicycle rack 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 racks and are based on the specific system indicated.

1.5 INFORMATIONAL SUBMITTALS

A. Material Certificates: For site furnishings.

1.6 CLOSEOUT SUBMITTALS

A. Maintenance Data: For site furnishings to include in maintenance manuals.

1.7 DELIVERY, STORAGE AND HANDLING

A. Upon delivery, before signing for shipment, inspect for any damages and notate on the Bill-of-Lading (B.O.I.).

B. Store bicycle racks in original undamaged packages and containers until ready for installation.

C. Handle bicycle racks with sufficient care to prevent any scratches or damage to the finish.

PART 2 - PRODUCTS

2.1 BICYCLE RACKS

A. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:

B. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on Drawings, Cascade 7-Bike Wave Rack by Park Catalog, or comparable product by one of the following:

1. American Bicycle Security Company.
2. Columbia Cascade Company.
3. CycleSafe.
4. Dero Bike Rack Co.
5. Park Catalog (The)

C. Bicycle Rack Construction:

1. Frame: Steel.

a. Pipe OD: 1.5-inch Schedule 40 pipe, not less than 1-7/8 inches.

2. Style: Contemporary.

    a. Overall Height: 36 inches.
    b. Overall Length: 66 – 67-3/4 inches.
    c. Overall Depth: 1.9 inches.
    d. Capacity: Designed to accommodate no fewer than seven (7) bicycles.

3. Security: Designed to lock wheel and frame.
4. Accessories: Base covers for each pipe and tubing anchored end.
5. Installation Method: Surface flange anchored at finished grade to substrate indicated.

D. Steel Finish: Durable baked-on powder coated.

1. Color: Black, as selected by Architect from manufacturer's full range.
2. For powder coated racks the following process id followed:

    a. Sanded down to prep it for painting.
    b. Washed/Dried to prep it for painting.
    c. Zinc primer is applied.
    d. Powder coat color is applied.
    e. UV Clear Topcoat is applied.

2.2 CASCADE BICYCLE RACK

A. Space Use:

1. Bikes will be locked perpendicular to the 7-bike Wave Bike Rack. When bikes are locked to it, the 7-bike Wave Bike Rack will use approximately the amount of space listed in the installation diagram.
2. To ensure that the 7-Bike Wave Bike Rack is convenient and safe for bicyclists, use the minimum space use configurations when installing 7-Bike Wave Bike Rack next to a wall or street, or if installing several 7-Bike Wave Bike Racks next to each other.

B. Setbacks:

1. Wall Setbacks: For 7-Bike Wave Bike Rack set parallel to a wall, a minimum of 24 inches should be left between the wall and the rack. 36 inches is the recommended setback. For 7-Bike Wave Bike Rack installed perpendicular to the wall, a 24 inch setback is the minimum distance. 36 inches is recommended.
2. Distance Between Racks: 24 inches is the minimum distance between racks. 36 inches is recommended.
3. Street Setback: 24 inches is the minimum distance between the street and the rack. 36 inches is recommended.

2.3 MATERIALS

A. Steel and Iron: Free of surface blemishes and complying with the following:

1. Steel Pipe: Standard-weight steel pipe complying with ASTM A 53/A 53M, or electric-resistance-welded pipe complying with ASTM A 135/A 135M.
2. Tubing: Cold-formed steel tubing complying with ASTM A 500/A 500M.

B. Anchors, Fasteners, Fittings, and Hardware: Stainless steel, manufacturer's standard, corrosion-resistant-coated or noncorrodible materials; commercial quality, concealed, recessed, and capped or plugged.

C. Nonshrink, Nonmetallic Grout: Premixed, factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107/C 1107M; recommended in writing by manufacturer, for exterior applications.

2.4 FABRICATION

A. Metal Components: Form to required shapes and sizes with true, consistent curves, lines, and angles. Separate metals from dissimilar materials to prevent electrolytic action.

B. Welded Connections: Weld connections continuously. Weld solid members with full-length, full-penetration welds and hollow members with full-circumference welds. At exposed connections, finish surfaces smooth and blended so no roughness or unevenness shows after finishing and welded surface matches contours of adjoining surfaces.

C. Pipes and Tubes: Form simple and compound curves by bending members in jigs to produce uniform curvature for each repetitive configuration required; maintain cylindrical cross section of member throughout entire bend without buckling, twisting, cracking, or otherwise deforming exposed surfaces of handrail and railing components.

D. Exposed Surfaces: Polished, sanded, or otherwise finished; all surfaces smooth, free of burrs, barbs, splinters, and sharpness; all edges and ends rolled, rounded, or capped.

E. Factory Assembly: Assemble components in the factory to greatest extent possible to minimize field assembly. Clearly mark units for assembly in the field.

2.5 GENERAL FINISH REQUIREMENTS

A. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.6 STEEL AND GALVANIZED-STEEL FINISHES

A. Baked-Enamel, Powder-Coat Finish: Manufacturer's standard, baked, polyester, powder-coat finish complying with finish manufacturer's written instructions for surface preparation, including pretreatment, application, baking, and minimum dry film thickness.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas and conditions, with Installer present, for compliance with requirements for correct and level finished grade, mounting surfaces, installation tolerances, and other conditions affecting performance of the Work.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION, GENERAL

A. Comply with manufacturer's written installation instructions unless more stringent requirements are indicated. Complete field assembly of site furnishings where required.

B. Unless otherwise indicated, install site furnishings after landscaping and paving have been completed.

C. Install site furnishings level, plumb, true, and securely anchored at locations indicated on Drawings.

D. Surface Mount: Mount to a suitable surface.

E. It is the responsibility of the Installer to ensure that all base materials into which the rack will be installed can support the rack and will not be damaged by any required installation procedures.

F. Consult local coded for regulations.

3.3 CLEANING AND PROTECTION

A. Remove temporary protective coverings and strippable films, if any, as bike racks are installed unless otherwise indicated in manufacturer's written installation instructions.

B. Touch up marred finishes or replace bike rack that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by bike rack manufacturer.

C. Replace bike rack that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

D. On completion of bike rack installation, clean exterior surfaces as recommended by manufacturer.

END OF SECTION 129300