SECTION  – bicycle racks

1. General
   1. SUMMARY
      1. This Section includes requirements for supply and installation of [interior] [and] [exterior], [wall] [surface] mounted bicycle racks.
      2. Related Requirements:
         1. Section 05 50 00 – Metal Fabrications.
   2. SUBMITTALS
      1. Provide submittals in accordance with Section 01 33 00 – Submittal Procedures.
      2. Action Submittals: Provide the following submittals before starting any Work of this Section:
         1. Product Data: Submit manufacturer's standard product data clearly indicating standard components that will be used for the Project.
         2. Shop Drawings: Indicate dimensions, sizes, assembly, anchorage, and installation details for each furnishing specified.
         3. Maintenance Instructions: Provide one (1) copy of maintenance data for care and cleaning of site furnishings for incorporation into Operation and Maintenance Manual.
   3. quality assurance
      1. Manufacturer: Obtain materials from a single source having a minimum of five (5) years of experience manufacturing bicycle rack materials; provide a list of most recent projects indicating high use public environment where similar materials as those required for this Project have been used.
      2. Subcontractor executing Work of this Section shall have a minimum of five (5) years continuous Canadian experience in successful installation of work of type and quality shown and specified. Submit proof of experience upon Consultant's request.
   4. DELIVERY, STORAGE, HANDLING AND PROTECTION
      1. Storage and Handling Requirements: Handle products in accordance with manufacturer's instructions; store in manufacturer's original packaging until ready for installation and protect from impacts and abrasion during storage.
2. Products
   1. manufacturers
      1. Basis-of-Design Products: Products named in this Section were used as the Basis-of-Design for the Project; additional manufacturers offering similar products may be incorporated into the Work of this Section provided they meet the performance requirements established by the named products and provided they submit requests for substitution a minimum of five (5) days in advance of Bid Closing.
      2. Acceptable Materials Manufacturers: Subject to compliance with requirements specified in this Section and as established by the Basis of Design Materials, manufacturers offering products that may be incorporated into the Work include but are not limited to, the following:
         1. Bike-Up Bicycle Parking Systems Inc.
         2. Brandir International, Inc.
         3. Dobra Design.
         4. Fairweather Site Furnishings and Accessories, distributed by Park N Play Designs.
         5. Frances Andrew Site Furnishing Ltd.
         6. Maglin Site Furniture Inc.
         7. Or approved alternate.
   2. BICYCLE RACKS
      1. Description: Fabricate bicycle racks from galvanized steel, extrusions and tubing formed by rolling or extruding, for improved corrosion resistance to road salts and de-icing compounds and as follows:
         1. Bench Legs: Formed from 75 mm diameter tubular stainless steel.
         2. End Castings: Formed from cast stainless steel, manufacturer's standard profile.
         3. Configuration: Provide bicycle racks in following configurations to locations indicated on Drawings.
            1. Wall mounted, 6 mm x 38 mm reinforced flat bar and 13 mm steel rods, rotating locking mechanism with support system for both bicycle wheels and frame.

Basis-of-Design Materials: Bike-Up Bicycle Parking Systems Inc., "Maximin."

* + - * 1. Wall mounted, channel profile 50 mm wide x 1525 mm long with 92 mm left side and 19 mm right side x 1.5 mm metal core thickness. Three 6 mm diameter mounting holes. Locking hole for cables or chains. Adjustable tire pin support for bicycle front wheel.

Basis-of-Design Materials: Bike-Up Bicycle Parking Systems Inc., "Bike-Up."

* + - * 1. Surface mounted, Galvanized schedule 40 steel tube, height 914 mm and an aluminum casting ring diameter 425 mm.

Basis-of-Design Materials: Maglin Site Furniture Inc., "MBR 200."

* + - * 1. Surface mounted, Galvanized steel tube, 60.3 mm OD x 3.9 mm wall steel pipe ASTM A 53 Schedule 40, flange mounting.

Basis-of-Design Materials: Brandir International, Inc., "The Ribbon Rack" Model RB-9.

* + - * 1. Surface mounted, Galvanized steel tube, 60.3 mm OD x 3.9 mm wall steel pipe ASTM A 53 Schedule 40, flange mounting.

Basis-of-Design Materials: Frances Andrew Site Furnishing Ltd., "Loopy Series L21-9BD."

* + - * 1. Surface mounted, Galvanized steel tube, 50.3 mm OD x 3.9 mm wall steel pipe ASTM A 53 Schedule 40, flange mounting, 762 mm high x 863 mm wide.

Basis-of-Design Materials: Fairweather Site Furnishings and Accessories "Model BR-3," distributed by Park N Play Designs.

* + 1. Finishes:
       1. Sheet and Tubing: Powder coated finish; colour selected from manufacturer's standard range.
       2. Castings: Powder coated finish; colour selected from manufacturer's standard range.
    2. Mounting: [150 mm diameter base plates and expansion fasteners] [Embed inserts for direct casting into concrete].
    3. Accessories: Provide installation hardware and accessories required for complete installation.

1. Execution
   1. EXAMINATION
      1. Verify that substrates are stable and capable of supporting the weight of items covered under this section.
      2. Verify that substrates are adequately prepared to securely anchor surface mounted items.
   2. INSTALLATION
      1. Install according to the manufacturer's installation instructions.

END OF SECTION