

**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.
- 2. Waste Receptacle.

- B. Related Requirements:

- 1. Section 033000 "Cast-in-Place Concrete" for installing pipe sleeves cast installing anchor bolts cast formed voids in concrete footings.

**1.3 ACTION SUBMITTALS**

- A. Product Data: For each type of product.

- B. Product Data for all:

- 1. Include styles, material descriptions, construction details, fabrication details, dimensions of individual components and profiles, hardware, fittings, mounting accessories, features, and finishes.
- 2. Include rated capacities, operating characteristics, and furnished specialties and accessories.

- C. Shop Drawings required for all furnishings and hardware:

- 1. Include plans, elevations, sections, mounting heights, and attachment details.
- 2. Detail fabrication and assembly of components.
- 3. Show locations for blocking, reinforcement, and supplementary structural support.

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

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

- F. Warranty: for all site furnishings.

PART 2 - PRODUCTS

2.1 BICYCLE RACK

- A. Manufacturer – Hauser Site Furniture, [sales@hausersite.com](mailto:sales@hausersite.com) Phone: 1-800-268-7328.
1. Owner provided contractor installed.
- B. Style – ‘Rio-Can Skyline’ Bicycle Rack (Model No. PS-78-102-21-TC-A).
1. Quantity: 4.
  2. Size: 762mm X 806mm X 50.8mm.
  3. Bolt down.
    1. Hardware: Refer to attachment hardware in the detail.
  4. Finish/ Colour:
    1. Aluminum Frame in colour ‘Designer White’.
    2. Formed aluminum insert with metal colour Red.
  5. Installation: Bolt down with embedded anchors to a concrete base as per manufacturer specifications.

2.2 WASTE RECEPTACLE

- A. Manufacturer – Hauser Site Furniture, [sales@hausersite.com](mailto:sales@hausersite.com) Phone: 1-800-268-7328.
1. Owner provided contractor installed.
- B. Style – ‘Rio-Can City 3-Stream’ Waste Receptacle (Model No. GS-945-AL-TC-35-BD).
1. Quantity: 2.
  2. Size: 889mm X 1206.5mm X 584.2mm.
  3. Bolt down.
    1. Hardware: Refer to attachment hardware in the detail.
  4. Finish/ Colour:
    1. Aluminum Frame in colour ‘Designer White’.
    2. Bolt down deflectors colour ‘Gunmetal’.
    3. Inset metal colour ‘Gunmetal’.
  5. Accessories:
    1. Polyliners.
    2. Back Panel.
    3. Coin lock for front loading door.
  6. Installation: Bolt down with embedded anchors to a concrete base as per manufacturer specifications.

**2.3 MATERIALS**

- A. Steel and Iron: Free of surface blemishes and complying with the following:
  - 1. Plates, Shapes, and Bars: ASTM A 36/A 36M.
  - 2. 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.
  - 3. Tubing: Cold-formed steel tubing complying with ASTM A 500/A 500M.
  - 4. Mechanical Tubing: Cold-rolled, electric-resistance-welded carbon or alloy steel tubing complying with ASTM A 513/A 513M, or steel tubing fabricated from steel complying with ASTM A 1011/A 1011M and complying with dimensional tolerances in ASTM A 500/A 500M; zinc coated internally and externally.
- B. Plastic: Color impregnated, color and UV-light stabilized, and mold resistant.
  - 1. Polyethylene: Fabricated from virgin plastic HDPE resin.
- C. Galvanizing: Where indicated for steel and iron components, provide the following protective zinc coating applied to components after fabrication:
  - 1. Hot-Dip Galvanizing: According to ASTM A 123/A 123M, ASTM A 153/A 153M, or ASTM A 924/A 924M.

**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. Preservative-Treated Wood Components: Complete fabrication of treated items before treatment if possible. If cut after treatment, apply field treatment complying with AWPA M4 to cut surfaces.
- E. 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.
- F. Factory Assembly: Factory assemble components 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 unacceptable. 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 ALUMINUM FINISHES**

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

**2.7 STEEL AND GALVANIZED-STEEL FINISHES**

- A. Powder-Coat Finish: Manufacturer's standard polyester, powder-coat finish complying with finish manufacturer's written instructions for surface preparation, including pretreatment, application, baking, and minimum dry film thickness.
- B. PVC Finish: Manufacturer's standard, UV-light stabilized, mold-resistant, slip-resistant, matte-textured, dipped or sprayed-on, PVC-plastisol finish, with flame retardant added; complying with coating manufacturer's written instructions for pretreatment, application, and minimum dry film thickness.

**2.8 IRON FINISHES**

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

**2.9 STAINLESS-STEEL FINISHES**

- A. Surface Preparation: Remove tool and die marks and stretch lines, or blend into finish.
- B. Polished Finishes: Grind and polish surfaces to produce uniform finish, free of cross scratches.
  - 1. Run directional finishes with long dimension of each piece.
  - 2. Directional Satin Finish: No 4.
  - 3. Dull Satin Finish: No. 6.

**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**

- 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. Post Setting: Set cast-in support posts in concrete footing with smooth top, shaped to shed water. Protect portion of posts above footing from concrete splatter. Verify that posts are set plumb or at correct angle and are aligned and at correct height and spacing. Hold posts in position during placement and finishing operations until concrete is sufficiently cured.
- E. Posts Set into Voids in Concrete: Form or core-drill holes for installing posts in concrete to depth recommended in writing by manufacturer of site furnishings and 3/4 inch (19 mm) larger than OD of post. Clean holes of loose material, insert posts, and fill annular space between post and concrete with non-shrink, nonmetallic grout or anchoring cement, mixed and placed to comply with anchoring material manufacturer's written instructions, with top smoothed and shaped to shed water.
- F. Pipe Sleeves: Use steel pipe sleeves preset and anchored into concrete for installing posts. After posts have been inserted into sleeves, fill annular space between post and sleeve with non-shrink, nonmetallic grout or anchoring cement, mixed and placed to comply with anchoring material manufacturer's written instructions, with top smoothed and shaped to shed water.

END OF SECTION