SECTION 323313 - SITE BICYCLE RACKS

1. GENERAL
	* + 1. SUMMARY
				1. Section Includes:

Bicycle racks.

* + - * 1. Related Requirements:

List other Sections directly related to or affecting Work of this Section. Include Sections specifying information expected to be found in this Section as well as Sections required to describe complete system or assembly requirements.

Section 033000 - Cast-in-Place Concrete: Platform for supporting bicycle racks.

* + - 1. SUBMITTALS
				1. Submittals for this Section are subject to the re-evaluation fee identified in Article 4 of the General Conditions.
				2. Manufacturer’s installation instructions shall be provided along with product data.
				3. Submittals shall be provided in the order in which they are specified and tabbed (for combined submittals).
				4. Product Data: Submit physical characteristics including shape, dimensions, bicycle parking capacity, and finish for each bicycle rack.
				5. Shop Drawings: Indicate installation details for each bicycle rack.
				6. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

Include separate Paragraphs for additional certifications.

* + - * 1. Manufacturer Instructions: Submit detailed instructions on installation requirements, including storage and handling procedures.
				2. Qualifications Statements:

Coordinate following Subparagraphs with requirements specified in QUALIFICATIONS Article.

Submit qualifications for manufacturer and installer.

* + - * 1. Project Record Documents: Record actual locations of bicycle racks.
			1. SUSTAINABLE DESIGN SUBMITTALS

Delete article if Project does not include LEED/sustainability requirements. Insert material certifications list below to suit products specified in this Section and Project sustainable design requirements.

* + - * 1. Manufacturer's Certificate: Certify that products meet or exceed specified sustainable design requirements.

Materials Resources Certificates:

Certify source and origin for [**salvaged**] [**and**] [**reused**] products.

Certify recycled material content for recycled content products.

Certify source for regional materials and distance from Project Site.

* + - * 1. Product Cost Data:

Submit cost of products to verify compliance with Project sustainable design requirements.

Exclude cost of labor and equipment to install products.

Provide cost data for following products:

Edit list of material cost data below to suit products specified in this Section and Project sustainable design requirements.

Salvaged, refurbished, and reused products.

Products with recycled material content.

Regional products.

<**\_\_\_\_\_\_\_\_**>.

* + - 1. QUALIFICATIONS

Coordinate following Paragraphs with requirements specified in SUBMITTALS Article.

* + - * 1. Manufacturer: Company specializing in manufacturing products specified in this Section with minimum three years' experience.
				2. Installer: Company specializing in performing Work of this Section with minimum three years' experience.
			1. DELIVERY, STORAGE, AND HANDLING
				1. Inspection: Accept materials on Site in manufacturer's original packaging and inspect for damage.
				2. Store materials according to manufacturer instructions.
				3. Protection:

Protect materials from moisture and dust by storing in clean, dry location remote from construction operations areas.

Provide additional protection according to manufacturer instructions.

* + - 1. EXISTING CONDITIONS
				1. Field Measurements:

Verify field measurements prior to fabrication.

Indicate field measurements on Shop Drawings.

1. PRODUCTS
	* + 1. BICYCLE RACKS
				1. [Manufacturers](http://www.specagent.com/LookUp/?ulid=&mf=04&src=wd):

Madrax, 1080 Uniek Drive, Waunakee, WI 53597, (800)448-7931.

Approved equivalent.

Insert descriptive specifications below to identify Project requirements and to eliminate conflicts with products specified above. Include configuration, size, color, material composition, and other properties needed to describe product.

* + - * 1. Description:

Number of Bicycles Parked per Unit: [**Three**] [**Five**] <**\_\_\_\_\_\_\_\_**>.

Style:

[**Freestanding**] [**Attached**].

[**Indoor**] [**Outdoor**].

[**Inverted U**] [**Serpentine**] [**Grid**] [**Decorative**] [**As indicated on Drawings**].

Length: [**<\_\_\_\_\_\_\_\_> feet**] [**As indicated on Drawings**].

Height: <\_\_\_\_\_\_\_\_> inches [**As indicated on Drawings**].

* + - * 1. Tubes:

Material: Schedule 40 steel.

Configuration: Round.

Size: [ **by <\_\_\_\_\_\_\_\_> inches**] 2 inches in diameter.

Wall Thickness: <\_\_\_\_\_\_\_\_> mils.

* + - * 1. Mounting:

Surface:

[**Two**] <**\_\_\_\_\_\_\_\_**> flanged feet, <\_\_\_\_\_\_\_\_> by <\_\_\_\_\_\_\_\_> by <\_\_\_\_\_\_\_\_> inches.

Channels: 3/16 inch by <\_\_\_\_\_\_\_\_> inches by <\_\_\_\_\_\_\_\_> inches.

Embedded: <\_\_\_\_\_\_\_\_>-by-<\_\_\_\_\_\_\_\_>-inch steel rods welded to bottom for insertion into concrete.

* + - * 1. Finish: Hot-dip galvanized after fabrication.
				2. Accessories:

Anchors for surface-mounted racks.

<**\_\_\_\_\_\_\_\_**>.

* + - 1. SUSTAINABILITY CHARACTERISTICS

(For LEED Projects only.) Insert sustainable design characteristics in this Article to suit content of this Section and Project sustainable design requirements.

* + - * 1. Material and Resource Characteristics:

Recycled Content Materials: Furnish materials with maximum available recycled content [**including:**] [**.**]

Insert list of materials specified in this Section required to have recycled content.

<**\_\_\_\_\_\_\_\_**>.

Regional Materials: Furnish materials extracted, processed, and manufactured within 500 miles of Project Site [**including:**] [**.**]

Insert list of materials specified in this Section required to be regional materials.

<**\_\_\_\_\_\_\_\_**>.

1. EXECUTION
	* + 1. EXAMINATION
				1. Verify that items provided by other Sections of Work are ready to receive Work of this Section.
			2. INSTALLATION
				1. According to manufacturer instructions and as indicated on Drawings.
				2. Bicycle Rack Setbacks:

Wall Setback:

<\_\_\_\_\_\_\_\_> inches between wall and rack.

Minimum: <\_\_\_\_\_\_\_\_> inches.

Street Setback:

Racks Parallel to Street: <\_\_\_\_\_\_\_\_> inches.

Racks Perpendicular to Street:

<\_\_\_\_\_\_\_\_> inches between street and rack.

Minimum: <\_\_\_\_\_\_\_\_> inches.

END OF SECTION 323313