

SECTION 12 93 00.1 STEEL BENCHES

PART 1 GENERAL

1.01 REFERENCE STANDARDS

- A. 36 CFR 1191 - Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Architectural Barriers Act (ABA) Accessibility Guidelines; current edition.
- B. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.

1.02 SECTION INCLUDES

- A. Steel Benches.

1.03 RELATED REQUIREMENTS

- A. Section 03 30 00 - Cast-in-Place Concrete, Control Joints and Reinforcing: Bollard infill and underground encasement.

1.04 REFERENCE STANDARDS

- A. 36 CFR 1191 - Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Architectural Barriers Act (ABA) Accessibility Guidelines; current edition.
- B. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.

1.05 SUBMITTALS

- A. See Section 01 33 00 – Submittal Procedures, for submittal procedures.
- B. Product Data: Provide manufacturer's specifications and descriptive literature, installation instructions, and maintenance information.
- C. Shop Drawings: Indicate plans for each unit or groups of units, elevations with model number, overall dimensions; construction, and anchorage details.
- D. Samples: Submit two sets of manufacturer's available colors for steel benches.

1.06 WARRANTY

- A. Material is warranted against material and workmanship defects for THREE YEARS from the date of shipment from manufacturer, assuming products are installed and maintained according to manufacturer's instruction.
- B. Products damaged by abnormal use, vandalism or acts of nature are not eligible for this factory warranty.
- C. Manufacturer will repair or replace any part found defective upon written notification and inspection by our manufacturer's representative.

PART 2 PRODUCTS

2.01 METAL FURNISHINGS

- A. Steel Benches – with backs and arms
 - 1. The Contractor shall furnish and install steel benches as shown on the Contract Drawings. Benches shall be manufactured for surface mount installation and shall be fully welded (no mechanical connections) and factory assembled.
 - 2. Color shall be: To Be Determined
 - 3. Steel Benches shall be from the following Manufacturer's:
 - a. Victor Stanley, Inc., PO 330 Dunkirk, Maryland 20754, phone 800.368.2573 attn: Andrew Hosmer, extension 323.
 - 1) Lily Bench 6ft Model# LIL-20CA with Curved Armrest & Center Armrest
 - 2) Lily Bench 4ft Model# LIL-20NA without Armrests
 - b. Du Mor, Inc., Mifflintown, PA 17059-0142, phone 800.598.4018, sales@dumor.com
Local Rep: Site Specialists, Ltd., 265 Post Avenue, Suite 365, Westbury, New York 11590, 516.338.1630 attn: Craig Heslin

- 1) Bench 93-60 6ft with Center Arm Rest
 - 2) Bench 93-80 8ft with Center Arm Rest
 - c. Columbia Cascade Company, 1300 S.W. Sixth Avenue, Suite 310, Portland, Oregon 97201-3464, phone 800.547.1940 attn: Steven Kirn.
 - 1) Timberform Renaissance, Model # 2807-6 with Intermediate Armrest (6ft)
 - 2) Timberform Renaissance, Model # 2807-8 with Intermediate Armrest (8ft)
 - d. Landscape Forms, 431 Lawndale Avenue, Kalamazoo, MI 49048 Local Rep: Taylor Snow, phone 269.276.4503
 - 1) Parc Vue Bench – 6ft – Backed with Arms and Center Armrest
 - e. Keystone Ridge Designs, Inc., 670 Mercer Road, Butler PA 16001-1840, phone 800.284.8208, attn: Conner Lowe
 - 1) Schenley – SC24 – 4ft
 - 2) Schenley – SC26C – 6ft with Back and Center Arm
 - 3) Schenley – SC28C – 8ft with Back and Center Arm
- B. Steel Benches - backless**
1. The Contractor shall furnish and install steel benches as shown on the Contract Drawings. Benches shall be manufactured for surface mount installation and shall be fully welded (no mechanical connections) and factory assembled.
 2. Color shall be: To Be Determined
 3. Steel Benches shall be from the following Manufacturer's:
 - a. Victor Stanley, Inc., PO 330 Dunkirk, Maryland 20754, phone 800.368.2573 attn: Andrew Hosmer, extension 323
 - 1) Lily Bench 6ft - Model# LIL-23NA without Armrests
 - 2) Lily Bench 6ft - Model# LIL-23CA with curved Armrests
 - b. Du Mor, Inc., Mifflintown, PA 17059-0142, phone 800.598.4018, sales@dumor.com Local Rep: Site Specialists, Ltd., 265 Post Avenue, Suite 365, Westbury, New York 11590, 516.338.1630 attn: Craig Heslin
 - 1) Bench 95 6ft – Model # 95-60
 - 2) Bench 95 8ft – Model # 95-80
 - c. Columbia Cascade Company, 1300 S.W. Sixth Avenue, Suite 310, Portland, Oregon 97201-3464, phone 800.547.1940 attn: Steven Kirn
 - 1) Timberform Renaissance, Model # 2802-6 - Seat with Armrests (6ft)
 - 2) Timberform Renaissance, Model # 2802-8 - Seat with Armrests (8ft)
 - d. Landscape Forms, 431 Lawndale Avenue, Kalamazoo, MI 49048 Local Rep: Taylor Snow, phone 269.276.4503
 - 1) Parc Vue Bench – 6ft – Backless
 - e. Keystone Ridge Designs, Inc., 670 Mercer Road, Butler PA 16001-1840, phone 800.284.8208, attn: Conner Lowe
 - 1) Schenley Flat Bench 4ft – Model # SC14
 - 2) Schenley Flat Bench 6ft – Model # SC16
 - 3) Schenley Flat Bench 8ft – Model # SC18

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that mounting surfaces, preinstalled anchor bolts, or other mounting devices are properly installed; and ready to receive the steel benches.

3.02 INSTALLATION.

- A. Steel Benches:
 1. All steel benches shall be installed as per manufacturer's specifications, in locations as shown on the Drawings. Contractor shall install footings, pavement or concrete sub-base for steel benches as shown on the Drawings. Concrete shall conform to the concrete section of these Specifications. All concrete footings or slabs shall have asphalt sealer applied to create a uniform appearance with the rest of the asphalt pavement. All exposed

hardware for steel benches shall be made vandal-proof by one of the following methods:
1) tack welding the nut and bolt connection 2) peen the threads of the bolt 3) providing tamper-proof hardware. All hardware shall be weather resistant, i.e., galvanized, stainless steel or cadmium plated.

2. All bench legs shall receive anchor bolts. Anchor bolts shall be sunk minimum 3" into footings, pavement, or concrete sub-base as per Drawings. After installation, nuts shall be tack welded to the bolts. Any existing installation damaged or defaced during installation of benches shall be restored to its original condition.
 3. If benches are to be installed in existing pavement;
 - a. existing concrete pavement: remove flag(s) of concrete pavement up to nearest expansion joint or by neatly saw-cutting at the nearest control joints.
 - b. existing asphalt pavement: neatly saw-cut perpendicular to the adjacent curbs and remove a strip (minimum 24" width) or preferred up to adjacent perimeter walkway.
 - c. existing bricks or pavers: carefully remove bricks or pavers as necessary and safely stockpile for reinstallation.
- B. Install steel benches in accordance with approved shop drawings, and manufacturer's installation instructions.
- C. Provide level mounting surfaces for steel benches.

END OF SECTION 12 93 00.1