

SECTION 12 93 00
SITE FURNISHINGS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Steel Benches.
- B. Picnic Tables.
- C. Bleachers.
- D. Waste Receptacles.
- E. Concrete Game Tables

1.02 RELATED REQUIREMENTS

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

1.03 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.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, 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 metal furnishings.

1.05 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. Benches
 - 1. Steel Benches:
 - a. 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 assembled.
 - b. Steel benches shall be
 - 1) Victor Stanley, Inc., PO 330 Dunkirk, Maryland 20754, phone 800.368.2573 attn: Andrew Hosmer, extension 323
 - 2) 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
 - 3) Columbia Cascade Company, 1300 S.W. Sixth Avenue, Suite 310, Portland, Oregon 97201-3464, phone 800.547.1940 attn: Steven Kirn

- 4) Landscape Forms, 431 Lawndale Avenue, Kalamazoo, MI 49048 Local Rep: Denise Smith, phone 800.896.2936
 - 5) Keystone Ridge Designs, Inc., 670 Mercer Road, Butler PA 16001-1840, phone 800.284.8208, attn: David Strarcher
- c. Steel Picnic Tables:
- 1) The Contractor shall furnish and install picnic tables and benches as shown on the Contract Drawings.
 - 2) Picnic Table and Bench Manufacturers shall be:
 - (a) Victor Stanley, Inc., PO 330 Dunkirk, Maryland 20754, phone 800.368.2573 attn: Andrew Hosmer, extension 323 or equal.
 - (b) Columbia Cascade Company, 1300 S.W. Sixth Avenue, Suite 310, Portland, Oregon 97201-3464, phone 800.547.1940 attn: Steven Kirn or equal.
 - (c) Keystone Ridge Designs, Inc., 670 Mercer Road, Butler PA 16001-1840, phone 800.284.8208, attn: David Starcher or equal
 - (d) DuMor, Inc. telephone 717.436.2106. Colors shall be: TBD, Table and Benches. Local Representative: Maturano Recreation, telephone 800.922.0070 attn: John Graziano or equal.
- B. Steel Bleachers with Railings
1. The Contractor shall furnish and install bleachers as shown on drawings.
 2. Steel Bleachers with Rear Railings shall be: Three Row (Model# SNYC-32) or Five Row (model SNYC-52) x (7'-6", 12', 15', 24', 27', or 30') long as manufactured by Seating Solutions, 60 Austin Blvd., Commack, NY 11735 phone 631.845.0449 attn: Chandler Suprina x 23 or equal. .
 3. Frame and seats shall be hot dipped galvanized after fabrication.
 4. Concrete required for the footings shall be in accordance with the Concrete Section of these Specifications.
- C. Waste Receptacles: Steel frame with steel slats and removable lid.
1. Receptacles shall be from the following Manufacturers:
 - a. Urban Accessories, 465 East 15th Street, Tacoma, WA 98402, phone 877.487.0488 Local Rep: Mid-Atlantic Products, 410.639.2303 attn: Dawn Holden
 - b. SiteScapes, Inc., PO Box 22326, Lincoln NE, 68542, phone 888.331.9464 Local Rep: Mid-Atlantic Products, 410.639.2303 attn: Dawn Holden
 - c. Victor Stanley, Inc., PO 330 Dunkirk, Maryland 20754, phone 800.368.2573 attn: Andrew Hosmer extension 323
 - d. 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
 - e. Columbia Cascade Company, 1300 S.W. Sixth Avenue, Suite 310, Portland, Oregon 97201-3464, phone 800.547.1940 attn: Steven Kirn
 - f. Keystone Ridge Designs, Inc., 670 Mercer Road, Butler PA 16001-1840, phone 800.284.8208, attn: David Strarcher
- D. Ash Can (for Barbecue Areas)
1. Ash cans shall be Model No. 1127 45 degree Litter Receptacle as manufactured by Miracle Recreation Equipment Co., P.O. Box 420, Monett, MO 65708, tel. 800.523.4202 or equal. Local representative is Play Safe Playground Systems of New York, Inc., 718.383.0791. Color shall be black.
 2. Ash cans shall be installed in concrete footings as recommended by the manufacturer. Concrete shall conform to the Concrete section of these Specifications.
- E. Barbeque Grill (for Barbeque Areas)
1. Grill shall be Model #1104-8, Heavy Duty Park Grill or Model #1104-5 Super Park Grill as manufactured by Miracle Recreation Equipment Co., telephone 800.523.4202 or approved equal. Color shall be black. Local Representative: PlaySafe Playground Systems of New York, 135 Freeman Street, Brooklyn, NY 11222 telephone: 718.383.0791.

2.02 PRECAST CONCRETE FURNISHINGS

A. Game Table

1. Game table shall consist of precast concrete table top mounted on a concrete filled, painted steel pipe pedestal.
2. This table is manufactured by: Key Cast Stone Co., Inc., 35-04 Vernon Blvd., Long Island City, NY 11106 telephone no. (718) 726-0517 or approved equal.
3. Concrete shall be composed of white Portland Cement, combined aggregate of crushed stone and reinforcing as shown on the Drawings.
4. Steel pipe pedestal and mounting plates shall be seamless, steel pipe (schedule 40) conforming to ASTM specification A-120-47 of sizes shown on the Drawings.
5. Primer and paint for steel pipe pedestal shall be as per Specification, "Paint for Metal and Wood".
6. Concrete for footings shall comply with Concrete Section of these Specifications.

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 site furnishing items.

3.02 INSTALLATION

A. Waste Receptacles:

1. Trash Receptacles shall be installed as per manufacturer's recommendations and specifications.
2. Install product level and plumb.
3. Anchor product securely in place. For products with cast legs, use 3/8" diameter stainless steel anchor bolt no shorter than 6" in length. For all other steel legs, use 1/2" diameter stainless steel anchor bolt no shorter than 4" in length; do not over-tighten.
4. Protect products prior to installation by having them remain in the manufacturer's packaging and container.

B. Picnic Tables and Benches:

1. Picnic tables and benches shall be installed as per Manufacturer's instructions.
2. General: The table and benches shall be installed permanently on a concrete slab. They are to be anchored to the slab with anchor bolts.
3. Concrete: Prior to delivery, pour concrete slab. The new concrete slab must be 6" thick and reinforced with 6" x 6" x 10 ga. welded wire mesh. Pour concrete slab on 4" of compacted subgrade of gravel. It must be level and troweled to a course finish. Allow slab to cure one week before installing table and benches. Concrete needed for slab shall be in accordance with the Concrete Section of these specifications.
4. Anchor Bolt Holes: The blockouts for the anchor bolt holes should be formed with Sonotube or any rigid material that can be secured in place during the slab pour. Holes must be from 4" to 5" in diameter or square and 7" deep. Lay out the blockouts to dimensions shown. All dimensions are to the center of the slab. Lay out anchor bolt hole center. Drill 2" dia. holes 4" deep on centers.
5. Anchor Bolt Installation: Tables are placed first; lifting the units to screw anchor bolts into the threaded collars on the underside of each leg. Check alignment of anchor bolts and holes. Table units are placed in position, aligned and shimmed if necessary. Fill holes with cement grout. For drilled holes use fine textured anchoring cement. Lay a bead of cement where legs rest on slab to ensure firm bearing. Place units in position. Place benches in same manner. All benches must be 2" from table edge and parallel. There must be a 9" clearance between the inside of the table and the angled bench ends. Clean excess cement from slab and precast section.

C. Game Tables:

1. Game table shall be constructed to comply with the Drawings. All surfaces shall be smooth and uniform, with no blemishes or honey comb sections, and they shall be given a honed finish.
 2. If game tables 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.
 - d. Then, install game table top-plate at finished height of pavement and the concrete footing up to the bottom of proposed pavement. Install finished pavement over concrete footing and flush to top plate. Pitch pavement away from top plate in all directions to reduce water penetration.
- D. 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.
- E. Install site furnishings in accordance with approved shop drawings, and manufacturer's installation instructions.
- F. Provide level mounting surfaces for site furnishing items.

END OF SECTION