

**SECTION 10510**

**METAL ATHLETIC LOCKERS**

**1. GENERAL**

**1.1 RELATED DOCUMENTS:**

1.1.1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and Divisions 1 Specifications, apply to this Section.

**1.2 SUMMARY:**

**1.2.1 This Section includes the following:**

- a. Athletic Lockers configured:
  - 1. Single Tier (DeBourgh) 15” W x 16” D x 72” H with slope top
  - 2. Room 208- boy’s locker                      40 lockers
  - Room 202- girl’s locker                      33 lockers
- b. Provide fasteners and anchorage devices to install lockers provided under this section.
- c. Provide metal filler panels to fill between banks of lockers and adjacent construction.
- d. Finished ends as required.

**1.3 SUBMITTALS:**

1.3.1 Product Data: Include construction details, material descriptions, dimensions of individual components and profiles and finishes for each type of locker and bench.

1.3.2 Shop Drawings: Show lockers in detail, method of installation, fillers, trim, base and accessories. Include locker numbering sequence information.

1.3.3 Samples for verification: Submit one full-size locker sample for evaluation. Adherence to the specification is required. Locker submitted must meet specification regardless of manufacturer’s standard product. Submit manufacturer’s technical data and installation instructions for metal locker units.

1.3.4 Maintenance Data: For adjusting, repairing, and replacing locker doors and latching mechanisms to include in maintenance manuals specified in Division 1.

**1.4 QUALITY ASSURANCE:**

1.4.1 Uniformity and Single Manufacturer Requirements: Provide each type of metal locker as produced by a single manufacturer, including necessary mounting accessories, fittings, and fastenings.

1.4.2 All of the locker products in this specification as well as all of the materials used to manufacture this product to be produced in the United States of America. No exceptions will be allowed.

1.4.3 Installers Qualifications: Lockers to be installed by an experienced agent of the manufacturer.

1.5 DELIVERY, STORAGE, AND HANDLING:

1.5.1 Packing and Shipping: Do not deliver metal lockers until building is enclosed and ready for locker installation.

1.5.2 Storage and Protection: Protect materials from damage during delivery, handling, storage, and installation.

1.6 WARRANTY:

1.6.1 Locker manufacturer shall warrant the locker for the lifetime use of the original purchaser from date of shipment. Warranty shall include all defects in material and workmanship, excluding finish, vandalism and improper installation.

2. **PRODUCTS**

2.1 MANUFACTURERS:

2.1.1 Acceptable Manufacturers: Subject to compliance with requirements of the Contract Documents, acceptable manufacturers are as follows:

- a. DeBourgh Manufacturing Company

2.2 FABRICATION:

2.2.1 Locker Construction:

a. Lockers to be welded at seams and joints with exposed welds sanded smooth.

b. No bolts, screws or rivets to be used in assembly of locker units.

b. Ship lockers set-up, ready to be anchored in place in accordance with manufacturer's instructions.

2.2.2 Body of Lockers:

a. Sides and Intermediate Partitions: Constructed of 1 inch by 1 inch by 1/8-inch steel angle iron frame with 3/4-inch, 13 gauge (Ga), bond sheared, flattened expanded metal welded to steel angle frames. Formed sheet steel locker frames are not acceptable.

b. Exposed End Panels: Constructed of 1 inch by 1 inch by 1/8-inch steel angle iron frame with 16 Ga sheet steel welded to steel angle frame.

c. Backs: Solid sheet of 18 Ga cold rolled sheet steel welded to frames of sides and intermediate partitions.

d. Shelves and Tier Dividers: Constructed of 16 Ga cold rolled sheet steel welded to side and intermediate partition construction. Shelves provided in lockers 48 inches and taller, located to provide a minimum of 12 inches clearance.

2.2.3 Doors:

a. 1-inch-by-1-inch by 1/8-inch angle iron frame with inserts of (available only when used with Sentry I latching)

1. 3/4-inch, 13 Ga bond sheared expanded metal for maximum ventilation. An additional 13 Ga steel handle panel with 16 Ga

cold rolled steel back panel will be securely welded to the center span of the door. All horizontal mesh edges shall be concealed with an additional steel formation welded to the door.

2.2.4 Latching:

- a. Sentry I Three-Point/Three-Sided Cremone Latch
  - 1. Latching mechanism operated by a steel handle welded to a three-point Cremone type assembly.
  - 2. Latching rods, 3/8-inch diameter, engage top and bottom edge of locker frame. A 3/16-inch-thick center latch engages door jamb.

2.2.5 Hinges:

- a. Hinges to be 3-inch, five knuckle, 14 Ga heavy-duty fast pin welded to both door and frame.
- b. Locker doors 42 inches high or less shall have 2 hinges.
- c. Doors over 42 inches shall have 3 hinges.

2.2.6 Reinforced Bottom:

- a. Provide 16 Ga spacer channel welded to locker bottom from front to back for a more secure installation (when closed bases are not used).

2.2.7 Filler Panels: Manufacturer's standard fabricated from 18 Ga solid steel finished to match lockers. Provide slip joint fillers angle formed to receive filler panel.

2.2.8 Finish:

- a. Complete locker unit to be thoroughly cleaned, phosphatized and sealed.
- b. Finish to be baked powder coat with a minimum 2-3 mil thickness.
- c. Color of lockers shall be chosen from manufacturer's 25 standard colors.

2.3 LOCKER ACCESSORIES:

2.3.1 Interior Equipment: Furnish each locker with the following items, unless otherwise indicated:

- a. Hooks:
  - 1. Hooks to be heavy-duty forged steel with ball ends and zinc plated.
  - 2. Provide two single ceiling hooks and one double ceiling hook in each locker opening 20 inches or taller.
- b. Numbering:
  - 1. Finish each locker with black anodized laser-etched aluminum number plate.
  - 2. Locate number plate near center of each door.
  - 3. Owner to furnish numbering sequence.

3. **EXECUTION**

3.1 INSTALLATION:

3.1.1 Wall Installation:

- a. Securely anchor every locker to wall and/or floor before use. Installation hardware to be determined based upon wall/floor construction.
- b. Tie adjacent locker units by bolting at four points, two at top and two at bottom, using 1/4-inch cadmium plated bolts.

3.1.2 Island Installation:

- a. Securely anchor every locker to floor or base before use. Installation hardware to be determined based upon wall/floor construction.
- b. Tie adjacent locker units together by bolting at four points, two at top and two at bottom, using 1/4-inch cadmium plated bolts.
- c. Tie back-to-back locker units together with 1/4-inch cadmium plated bolts and washers.

3.2 ADJUSTING:

- 3.2.1 General Requirements: Upon completion of installation, inspect lockers and adjust for proper door and locking mechanism operation.

3.3 CLEANING:

3.3.1 General Requirements:

- a. Clean interior and exposed exterior surfaces, removing debris, dust, dirt and foreign substances on exposed surfaces.
- b. Touch up scratches and abrasions to match original finish.
- c. Polish stainless steel and non-ferrous metal surfaces.
- d. Replace locker units that cannot be restored to factory-finished appearance.
- e. Use only materials and procedures recommended by locker manufacturer.

**End of Section 10510**