

**SECTION 10505**  
**APEX SPORT - METAL LOCKERS**

**PART 1 – GENERAL**

**1.01 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specifications, apply to this Section.

**1.02 SUMMARY**

- A. This Section includes the following:
  1. Welded Open Front Style Lockers for Team Rooms
  2. Locker Room Benches (Mixed Hardwood Bench Tops)
  3. Provide fasteners and anchorage devices to install lockers provided under this section (provided by the installer).
  4. Provide metal filler panels to full between banks of lockers and adjacent construction.

**1.03 SUBMITTALS**

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of locker and bench.
- B. Shop Drawings: Show lockers in detail, method of installation, fillers, trim, bases and accessories. Include locker numbering sequence information.
- C. Samples for verification: Submit one full-size locker sample for evaluation. Adherence to the specifications is required. Lockers submitted must meet specifications regardless of manufacturer's standard products. Submit manufacturer's technical data and installation instructions for metal locker units.
- D. Maintenance Data: For adjusting, repairing, and replacing locker doors and latching mechanisms to include in maintenance manuals specified in Division 01.

**1.04 QUALITY ASSURANCE**

- A. Uniformity and Single Manufacturer Requirements: Provide each type of metal locker as produced by a single manufacturer, including necessary mounting accessories, fittings, and fastenings.
- B. All of the sheet metal parts and all major hardware components used to manufacture this product to be produced in the United States of America. No exceptions will be allowed.
- C. Installer Qualifications: Lockers to be installed by an experienced agent of the manufacturer.

**1.05 DELIVERY, STORAGE, AND HANDLING**

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

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

#### **1.06 WARRANTY**

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

### **PART 2 – PRODUCTS**

#### **2.01 MANUFACTURERS**

- A. Acceptable Manufacturers: Subject to compliance with requirements of the Contract Documents, acceptable manufactures are as follows.
  - 1. DeBourgh Manufacturing Company

#### **2.02 FABRICATION**

- A. Locker Construction
  - 1. Lockers to be welded at seams and joints with exposed welds sanded smooth.
  - 2. No bolts, screws or rivets to be used in the assembly of the locker units.
  - 3. Ship lockers set-up, ready to be anchored in place in accordance with manufacturer's instructions.
- B. Body of Lockers
  - 1. 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, bond sheared, flattened expanded metal welded to steel angle frames. Formed sheet steel locker frames are not acceptable.
    - a. (Optional) Sides and intermediate partitions can also be either Solid or Diamond Perforated. For this option sides shall be constructed from panels of 16 gauge cold rolled sheet steel securely welded to the angle iron frame at intervals not to exceed 6-inches.
  - 2. Frames: Shall be made of continuous 1-inch x 1-inch x 1/8-inch pickled angle iron steel.
  - 3. Exposed End Panels: Constructed of 1-inch x 1-inch x 1/8-inch steel angle iron frame with 16 gauge sheet steel welded to steel angle frame.
  - 4. Backs: Solid sheet of 18 gauge cold rolled sheet steel welded to frames of sides and intermediate partitions.
    - a. (Optional) Mesh Backs: 13 gauge mesh shall be securely welded to unit backs where lockers are in a back-to back application.
  - 5. Tops, Bottoms, Shelves and Tier Dividers: Shall be made of solid 16 gauge cold rolled sheet steel free of surface imperfections and capable of taking a high grade pure polyester powder coat finish.
- C. (Optional) Security Compartment: Provide once security compartment per unit. Security compartment shall have solid 16 gauge cold rolled steel sides welded to unit sides at intervals not to exceed 6-inches.
  - 1. All Lockers Under 24-inches wide will receive a FULL width security compartment.
  - 2. All lockers 24-wide will receive a 12-inch wide security compartment.

3. All lockers over 24-wide will receive an 18-inch wide security compartment.
- D. (Optional) Security Compartment Door**
1. 14 gauge cold rolled steel and 3/4-inch flanges on three sides with an overlap channel formation on the latch side of the door.
  2. Provide two rubber bumpers for silent closing.
  3. Door Ventilation options
    - a. Solid
    - b. Louvered
    - c. Diamond Perforated
    - d. Secur-N-Vent
- E. (Optional) Security Compartment Latching**
1. Box Locker Spring Latch
    - a. 16 gauge cold rolled steel, zinc plated with 10 gauge latch with a completely enclosed stainless steel spring.
    - b. 16 gauge stainless steel lock hasp provided when built in locks are not used.
    - c. Assembled using 6 nickel plated rivets.
- F. (Optional) Security Compartment Hinge**
1. Box locker doors shall be hinged on the right side by a one piece 3/16-inch minimum diameter hinge pin securely welded to the door and bearing in two solid brass bushed 16 gauge knife hinges secured to locker body by no less than four rivets.
- G. (Optional) Footlocker with reinforced seat**
1. Front shall be constructed of 14 gauge cold rolled sheet steel with Louvered ventilation.
  2. Lift up top/seat shall be solid 16 gauge and shall have a 1-inch single return on the back and sides and a double return on the front.
  3. A 16 gauge padlock hasp will be welded to the seat
  4. A 2-inch, 16 gauge stiffener channel shall be welded side to side, to the bottom of the seat for reinforcement.
  5. Five rubber bumpers shall be riveted to the bottom of the seat to prevent metal to metal contact.
  6. A continuous strike welded to locker frame at sides, made of 1-inch x 1-inch x 1/8-inch pickled angle iron, along with front panel, will support the top/seat when in the closed position.
- H. (Optional) Slope Tops**
1. Provide 18 gauge, 4-sided, all welded slope tops with 25 degree pitch, attached at factory with concealed fasteners. Slope tops to be in addition to the standard 16 gauge flat top.
- I. (Optional) Closed Bases**
1. 4-inch high, 14 gauge welded steel base enclosed on all four sides securely welded to locker bottom.
- J. (Optional) Legs:**
1. 6-inch, 14 gauge gusset style legs securely welded to locker bottom.
- K. Reinforced Bottom**
1. Provide 16 gauge spacer channels welded to the locker bottom from front to back of the locker unit for a more secure installation (ONLY when closed bases or legs are NOT used).
- L. Finish**
1. Complete locker unit to be thoroughly cleaned, phosphatized and sealed.

2. Finish to be baked powder coat with a minimum of 2-3 mil thickness.
3. Color of lockers shall be chosen from manufacturer's 27 standard colors.
  - a. Please note that up to 2 each STANDARD colors will be provided for each job at no additional charge.

## **2.03 LOCKER ACCESSORIES**

- A. Interior Equipment: Furnish each locker with the following items, unless otherwise indicated.
  1. Hooks
    - a. Hooks to be heavy-duty forged steel with ball ends and will be zinc plated.
    - b. Provide two single wall hooks and one double ceiling hook in each locker opening 20-inches tall or greater.
  2. Numbering
    - a. Finish each locker with a black anodized, laser etched aluminum number plate.
    - b. Number plates to be located near the center of each door.
    - c. Owner to furnish numbering sequence.
  3. (Optional) Coat Rods
    - a. Coat Rods to be zinc plated
    - b. Hooks will not be provided as a standard if a coat rod is used.
    - c. Coat rods to be used in 18-inch wide or greater lockers.

## **2.04 BENCHES**

- A. Bench tops to be made of butcher block, mixed hardwood 1-1/4-inches thick and 9-1/2-inches wide. Apply double coat of satin-gloss sealer for protection.
- B. Pedestals
  1. Heavy Duty Pedestals: Heavy duty cast iron bell shaped base with a diameter of 7-3/4-inches threaded for 1-1/2-inch pipe. The pedestal is secured to the floor with a 1/2-inch by 5-1/2-inch concealed concrete anchor. Overall pedestal height is 16-inches. Misty Gray powder coat is standard, with optional standard color choices available.
  2. Standard Duty Pedestals: 1-5/16-inch steel tubing welded to a 7-3/4-inch diameter base and top flange. All parts are finished with zinc plating. Overall pedestal height is 16-1/4-inches.
  3. Moveable Pedestals: Gold anodized aluminum channel 1/8-inches by 3-inches wide. The trapezoidal shape measures 13-3/4-inches at the base. Overall pedestal height is 16-inches. To guard against skidding and scratching, a nonabrasive rubber pad is attached to the bottom of each leg. Please note that moveable pedestals can only be used on 6-foot long bench tops or greater, any bench tops under 6-foot must use a fixed pedestal.

## **PART 3 – EXECUTION**

### **3.01 INSTALLATION**

- A. Wall installation

1. Securely anchor every locker to the wall and or floor before use. Installation hardware to be determined based upon wall/floor construction.
  2. Tie adjacent locker units together by bolting at four points, two at top and two at bottom, using ¼-inch cadmium plated bolts.
- B. Island installation**
1. Securely anchor every locker to the floor or base before use. Installation hardware to be determined based upon wall/floor construction.
  2. Tie adjacent locker units together by bolting at four points, two at top and two at bottom, using ¼-inch cadmium plated bolts.
  3. Tie back-to-back locker units together with ¼-inch cadmium plated bolts and washers.

### **3.02 ADJUSTING**

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

### **3.03 CLEANING**

- A. General Requirements:**
1. Clean interior and exposed exterior surfaces, removing debris, dust, dirt and foreign substances on exposed surfaces.
  2. Touch up scratches and abrasions to match original finish.
  3. Polish stainless steel and non-ferrous metal surfaces.
  4. Replace locker units that cannot be restored to factory-finished appearance.
  5. Use only materials and procedures recommended by locker manufacturer.

