

**SECTION 10505**  
**FLEX Elite – METAL HYBRID 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. Fully welded, open front style lockers for athletic and team areas.
  - 2. Provide fasteners and anchorage devices to install lockers provided under this section.
  - 3. Provide metal filler panel to fill 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, base, and accessories. Include locker numbering sequence information.
- C. 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. If a Job specific full size sample is required, please note that DeBourgh will need a min of 3 weeks lead time to build the special locker.
  - 2. All info required to build the job specific sample must be provided to DeBourgh before we can start fabrication.
- 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. Installers 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 all metal locker components for the lifetime use of the original purchaser from date of shipment. Warranty shall include all defects in material and workmanship, excluding non-ferrous material, finish, vandalism and improper installation.

## PART 2 – PRODUCTS

### 2.01 MANUFACTURERS

- A. Acceptable Manufacturers: Subject to compliance with requirements of the Contract Documents, acceptable manufacturers 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 used in assembly of locker units.
  - 3. Ship lockers set-up, ready to be anchored in place in accordance with manufacturer's instructions.
  - 4. Lockers built as team units (two-person unibody, sharing a common top, bottom, and back for rigidity) unless otherwise specified as single unit construction.
- B. Body of Lockers
  - 1. Sides and Intermediate Partitions:
    - a. Constructed of 16-gauge cold-rolled sheet steel MIG welded to backs, tops, and bottom components for a rigid, one-piece structure. Front and back frames described below to be constructed of a single piece of sheet steel for structural integrity.
    - b. DeBourgh-designed **Icon** seamless back frame – formed at 90-degree angles on left and right of the back sides of the unit to form a durable, square channel shape, running the entire height of the locker unit at the back.
    - c. DeBourgh-designed **Razor** front frame – formed front of the locker openings at a seven-degree angle from the bottom of the front of the opening for ample shoulder and arm room while sitting in the locker unit.
  - 2. Backs: Solid sheet of 18-gauge cold rolled sheet steel MIG welded to frames of sides and intermediate partitions.
    - a. Back Material: Select from the following options:
      - 1. Standard 18-gauge solid steel (branding optional)
      - 2. Standard 18-gauge ventilated steel
      - 3. Standard 18-gauge solid steel with Diamond Plate insert.
      - 4. Standard 18-gauge solid steel with Wood insert.
      - 5. Standard 18-gauge solid steel with Plastic Laminate insert.
      - 6. Standard 18-gauge solid steel with Phenolic insert.
      - 7. Standard 18-gauge solid steel with MDF core insert.
    - 3. Shelves: Constructed of 18 gauge cold rolled sheet steel welded to sides and intermediate partition construction.
- C. (Optional) Security Compartment: Provide one security compartment per unit. Security compartment shall be constructed of solid 18-gauge cold rolled steel. Security compartment shall be 12-inches wide, 12-inches deep, and 12-inches high.

1. (Optional) Security Compartment Door
    - a. 16-gauge cold-rolled steel.
      1. Solid ventilation (branding optional)
      2. Ventilated
    - b. OR 18-gauge stainless steel (branding optional)
  2. (Optional) Security Compartment Latching
    - a. Single point, non-moving latch.
  3. Hinges
    - a. 16-gauge continuous piano hinge on the right side of the opening.
    - b. Hinges riveted to door and to locker frame.
- D. Footlocker with reinforced seat and optional drawer or cubby**
1. Front shall be constructed of 16-gauge cold rolled sheet steel.
    - a. Ventilation options:
      1. Solid (branding optional)
      2. Ventilated
  2. Lift up top/seat shall be solid 14-gauge and shall have a 1-inch single return bend on the back and sides and a double return bend on the front.
    - a. Recessed stainless steel recessed cup in the drawer base.
    - b. 12-gauge hasp connects drawer lid and base, secured with a padlock.
  3. Seating type:
    - a. Solid steel (branding optional)
    - b. Padded seat (branding optional)
    - c. Phenolic seat
    - d. Wood 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. (optional) Drawer base:
    - a. Pull out drawer, 10-inches in height, for optimal seating height.
  7. (optional) Cubby:
    - a. Open space below the seat, 10-inches in height, for optimal seating height.
- E. Slope Tops**
1. Provide 18 gauge all welded slope top with 25-degree pitch, attached at factory with concealed fasteners. Slope top to be in addition to standard 16-gauge flat top.
- F. Closed Base**
1. Provide 4-inch high, 14 gauge welded steel base enclosed on all four sides securely welded to locker bottom.
- G. Reinforced Bottom**
1. Provide 16-gauge anti-collapse spacer channel welded to locker bottom from front to back for a more secure installation. Spacer channel to have full height ½-inch ID tube welded over anchor holes to eliminate deflection upon locker installation. Spacer channel meets all California installation seismic requirements. (When closed bases are not used).
- H. Filler Panels:** Manufacturer's standard fabricated from 18-gauge solid steel finished to match lockers.

- I. Finish
  - 1. Complete locker unit to be thoroughly cleaned, phosphatized and sealed.
  - 2. Finish to be baked powder coat with a minimum 2-3 mil thickness.
  - 3. Color of lockers shall be chosen from manufacturer's 27 standard colors.

### **2.03 LOCKER ACCESSORIES**

- A. Hooks
  - 1. Hooks to be heavy duty forged steel with ball ends and zinc plated or custom stainless steel branded hook.
  - 2. Furnish four hooks per locker opening.
- B. Numbering
  - 1. Furnish 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.

## **PART 3 – EXECUTION**

### **3.01 INSTALLATION**

- A. Wall Installation
  - 1. Securely anchor every locker to wall and/or floor before use.
  - 2. Anchoring to be determined by conditions at time of installation.
  - 3. The adjacent locker units by bolting at four points, two at top and two at bottom, using ¼-inch cadmium plated bolts.

### **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 door and locking mechanism operation.
  - 2. Touch up scratches and abrasions to match original finish.
  - 3. Polish stainless and non-ferrous metal surfaces.
  - 4. Replace locker units that cannot be restored to factory-finished appearance.
  - 5. Use only materials and procedures recommended or furnished by locker manufacturer.