

SECTION 10505
METAL All-Sport Locker

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

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

1.02 SUMMARY

- A. This Section includes the following:

1. Athletic Collegiate:
 - a. Single Tier (Please specify if optional security compartment and/or footlocker is required on this open front locker).
 - b. 24"W x 22"D x 72"H
2. Athletic Pro Model:
 - a. Single Tier
(Please specify if optional security compartment and/or footlocker is required on this open front locker).
 - b. 33"W x 24"D x 84"H
3. Provide fasteners and anchorage devices to install lockers provided under this section.
4. Provide metal filler panels 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.
- D. Maintenance Data: For adjusting, repairing, and replacing locker doors and latching mechanisms to include in maintenance manuals specified in Division 1.

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. 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 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.

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 to be used in assembly of 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.
 - 2.** Frames: Shall be made of continuous 1" x 1" x 1/8" pickled angle iron steel.
 - 3.** (Optional) Solid 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".
 - 4.** Exposed End Panels: Constructed of 1 inch by 1 inch by 1/8 inch steel angle iron frame with 16 gauge sheet steel welded to steel angle frame.
 - 5.** Backs: Solid sheet of 18 gauge cold rolled sheet steel welded to frames of sides and intermediate partitions.
 - 6.** (Optional) Mesh Backs: 13 gauge mesh shall be securely welded to unit backs where lockers are in a back-to-back application.
 - 7.** (Optional) Louvered Backs: 18 gauge cold rolled sheet steel with 3-1/2" wide louvers in manufactured standard pattern.
 - 8.** 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.
 - 9.** (Optional) Security Compartment: Provide one 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". (Collegiate security compartment will be 12" wide, and Pro Model security compartment will be 18" wide.)
- C.** Security Compartment Door
 - 1.** (Optional) Security Compartment Doors
 - a.** 14 gauge cold rolled steel and 3/4" flanges on three sides with an overlap channel formation on latch side.
 - b.** Doors may be solid, diamond perforated, Secur-N-Vent or louvered and pre-punched for padlock or built-lock lock.
 - c.** Provide two rubber bumpers for silent closing.

D. Latching

1. Box Locker Spring Latch
 - a. 16 gauge cold rolled steel, bright zinc plated with 10 gauge latch and 16 gauge stainless steel lock hasp and completely enclosed stainless steel spring.
 - b. Assembled using 6 nickel plated rivets.

E. Hinges:

1. Box locker doors shall be hinged on right side by on piece 3/16" minimum diameter hinge pin securely welded to door and bearing in two solid brass bushed 16 gauge knife hinges secured to locker body by no less than four rivets.

F. Optional Footlocker with reinforced seat:

1. Front shall be constructed of 14 gauge cold rolled sheet steel with Secur-N-Vent ventilation.
2. Lift up top/seat shall be solid 16 gauge and shall have a 1" single return on back and sides and a double return on front.
3. A 16 gauge padlock hasp is welded to seat
4. A 2", 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" x 1" x 1/8" pickled angle iron, along with front panel, will support the top/seat when in closed position.

G. 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.

H. Closed Bases:

1. 4 inch high, 14 gauge welded steel base enclosed on all four sides securely welded to locker bottom.

I. Legs:

1. 6 inch, 14 gauge gusset style legs securely welded to locker bottom.

J. Reinforced Bottom:

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

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

L. 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 25 standard colors.

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 zinc plated.
 - b. Provide two single wall hooks and one double ceiling hook in each locker opening 20 inches or taller.
 - 2. Numbering:
 - a. Finish each locker with black anodized laser-etched aluminum number plate.
 - b. Locate number plate near center of each door.
 - c. Owner to furnish numbering sequence.
 - 3. Coat Rods: Manufacturer's standard zinc plated. Optional clothes rod in lieu of ceiling hook available (recommended for lockers 18 inches deep or greater).
- 2.04 Benches:**
- A. Bench tops to be made of butcher block, maple 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 choice available.
 - 2. Standard Duty Pedestal: 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 Pedestal: Gold anodized aluminum channel 1/8 inches thick 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.

PART 3 – EXECUTION

3.01 INSTALLATION

A. Wall Installation

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

B. Island Installation:

- 1. Securely anchor every locker to 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 1/4 inch cadmium plated bolts.
- 3. Tie back-to-back locker units together with 1/4 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.