

**SECTION 10505
CORE HALLWAY – 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 Hallway Lockers
 - 2. Provide fasteners and anchorage devices to install lockers provided under this section.
 - 3. 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.
 - 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 the lockers 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 unibody construction 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.
- B. Body of Lockers:
 - 1. Tops, Bottoms, and Sides: Exterior sides constructed of 16 gauge domestic cold rolled sheet steel for maximum durability with 18 gauge intermediate partitions.
 - 2. Backs and Intermediate Partitions: Solid sheet of 18 gauge cold rolled sheet steel welded to frames of sides and intermediate partitions.
 - 3. Shelves: Constructed of 18 gauge cold rolled sheet steel welded to sides and intermediate partition construction. Shelves provided in lockers 60-inches and taller, located to provide a minimum of 12-inches clearance.
 - 4. Tier Dividers: Full depth 16 gauge CRS securely welded on all four sides, to combine with tops, bottoms, sides, and intermediate partitions to create four-sided continuous door strike.
- C. Continuous Door Strike:
 - 1. Tier dividers, tops and bottoms constructed to provide four-sided, continuous door strike for a secure, sanitary and intrusion-free locker while door is in closed position.
- D. Doors:
 - 1. Doors are 16 gauge CRS formed outer panel with double bends on both sides and a single bend on top and bottom with 18 gauge steel formed stiffener panel.
 - 2. Door stiffener runs top to bottom on hinge side of door and is securely welded to outer door to form a reinforced channel for additional torque-free strength and sound reduction when closing door. (Inner panel not available on 9-inch wide or box lockers 12-inches high or less).

E. Door Ventilation:

1. Louvered Ventilation.
2. Secur-N-Vent doors with three-dimensional vertical vents formed on fronts and backs of door.
3. Solid.

F. Latching:

1. Sentry II Recessed Gravity Latch:
 - a. Door containing stainless steel cup recessed into formed door (doors 18-inches and higher).
 - b. 12 gauge steel finger lift mechanism.
 - c. Spring activated nylon slide latch enclosed in steel latch channel allows closing of door while padlock or built-in lock is in position
 - d. Rubber bumpers riveted to door stops for silent operation
 - e. Available in wardrobe doors over 18-inches in height only.
2. Sentry III Single-Point Latch:
 - a. 11 gauge stationary latch welded securely to locker frame.
 - b. Latch extends no more than 1-1/4-inch into locker opening, penetrating through cup.
 - c. Flush-mounted, recessed stainless steel cup in a formed door with 18 gauge vertical back panel stiffener.

G. Hinges:

1. 16 gauge continuous piano hinge on the right side of the opening.
2. Hinges welded to door and riveted to locker frame.

H. 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.

I. Closed Base:

1. Provide 4-inch high, 14 gauge welded steel base enclosed on all four sides 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. Spacer channel to have full height 1/2-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).

K. Filler Panels: Manufacturer's standard fabricated from 18 gauge solid steel finished to match lockers.

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 27 standard colors.

2.03 LOCKER ACCESSORIES

A. Hooks:

1. Hooks to be heavy duty forged steel with ball ends and zinc plated.

2. Provide two single wall hooks and one double ceiling hook in each locker opening 20-inches or taller.
- 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. Tie adjacent locker units together 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 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 or furnished by locker manufacturer.