

**SECTION 10505**  
**APEX HALLWAY- METAL LOCKERS**

**PART 1 – GENERAL**

**1.01 RELATED DOCUMENTS**

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

**1.02 SUMMARY**

- A. This Section includes the following:
  - 1. Welded Hallway Lockers (**Wardrobe Lockers**)
  - 2. Provide fasteners and anchorage devices to install lockers provided under this section. (**Installation hardware to be provided by the installer, DeBourgh is not responsible for supplying installation hardware**)
  - 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 full size sample is required, please note that DeBourgh will need a min of 4 weeks lead time for job specific samples.
  - 2. All info needed to build the 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 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 16-gauge sheet steel welded to steel angle frames.  
**Formed sheet steel locker frames are not acceptable.**
  - 2. Backs: Solid sheet of 18 gauge cold rolled sheet steel welded to frames of sides and intermediate partitions.
  - 3. Shelves and Tier Dividers: Constructed of 16 gauge 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.
- C. Doors
  - 1. 1-inch by 1-inch by 1/8-inch angle iron frame with inserts of (available only when used with Sentry I latching)
    - a. An additional 13-gauge steel handle panel with 16 gauge 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.
      - 1. Solid
      - 2. Louvered – traditional six louvers at top and bottom of door.
      - 3. Secur-N-Vent – three-dimensional vertical vents formed on fronts and backs of door.
  - 2. 14 gauge formed doors constructed of single piece cold rolled steel with double bends on vertical sides and a single bend on horizontal sides (available with the above ventilation styles).
- D. Latching

1. Sentry I Three-Point/Three-Sided Cremone Latch
    - a. Latching mechanism operated by a steel handle welded to a three-point cremone type assembly.
    - b. 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. 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.
  3. 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.
- E. Hinges**
1. Hinges to be 3-inch, five knuckle, 14-gauge heavy-duty fast pin welded to both door and frame.
  2. Locker doors 42-inches high or less shall have 2 hinges.
  3. Doors over 42-inches shall have 3 hinges.
- F. 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.
- G. Closed Bases**
1. 4-inch high, 14 gauge welded steel base enclosed on all four sides securely welded to locker bottom.
- H. 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).
- I. 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.**
- J. 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. 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.

