

**SECTION 10505  
WORLEY KNOCKDOWN LOCKERS**

**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. Worley Knockdown 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.
- B. Shop Drawings: Show lockers in detail, method of installation, fillers, trim, base, and accessories. Include locker numbering sequence.
- 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.
- C. Material shall be delivered in accordance with requirements.

## **1.07 WARRANTY**

- A. Locker manufacturer shall warrant the locker for three years 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 manufacturer's are as follows:
  - 1. Worley Lockers – A division of DeBourgh Manufacturing Company

### **2.02 FABRICATION**

- A. Locker Construction
  - 1. Built on the unit principle with individual doors and frames, tops, bottoms, backs, and shelves with common intermediate uprights separating compartments.
- B. Material
  - 1. All locker parts shall be made of domestic high grade cold rolled sheet steel.
- C. Bodies
  - 1. Vertical members to be 1 inch by 1 inch by 12 gauge cold rolled angled steel. The cross members will be formed of 16 gauge cold rolled steel projection-welded to the angle uprights incorporating four welds at each point of contact for strength and durability. Upright members extend to the floor forming legs if specified.
  - 2. All tops, bottoms, interbottoms, sides and backs are to be 24 gauge cold rolled sheet steel.
  - 3. Backs have 7/8 inch flanges with mounting holes for the sides.
  - 4. Sides are to be securely bolted to the back and 12 gauge angle frame.
  - 5. Tops, bottoms, and interbottoms to be securely bolted on all four sides.
- D. Latching
  - 1. Box Locker Gravity Latch:
    - a. A gravity-type latch will keep door securely closed when not locked. Box locker doors can be used with a padlock or deadbolt lock.
  - 2. Auto Latch:
    - a. All lockers 18 inches or higher are to have automatic spring bolt action latching device (unless specified otherwise) permitting the door to be pre-locked. Lift bar completely encloses latching fingers, thereby making the device non-pickable.
    - b. Rubber bumpers are utilized in the jamb mechanism to provide silent operation.
    - c. Doors 18 inches to 48 inches have a two-point latching device. All doors greater than 48 inches high have a three-point latching device.

- d. Auto Latch Handle shall be secured at six points. The slide shall be protected fully at top and bottom stationary case. All parts to be cast zinc alloy with chrome finish. Handle and case shall have a padlock eye for 3/8 inch shackle padlock. Case shall provide a padlock strike to protect finish to door.
- 3. Sentry II Recessed Latch:
    - a. A stainless steel pan recessed into a one piece 16 gauge cold rolled steel framed door containing a finger lift mechanism constructed from 12 gauge steel. Spring activated nylon plungers mounted into 11 gauge jambs on the frame permit the door to close while the padlock or built-in lock is in place. (Available on lockers 18 inches high or greater).
    - b. Rubber bumpers are utilized in the jamb mechanism to provide silent operation.
  - 4. Sentry III Single Point Latch:
    - a. Unbreakable stationary 11 gauge latch, ribbed for additional strength, and welded securely to the locker frame extending no more than 1-1/4 inches into the locker opening and penetrating through a recessed stainless steel cup.
    - b. Latching catch to be no less than one inch in height and connected to a through-door hasp of all one piece construction.
    - c. Latch and cup assembly shall be capable of accepting either a padlock or built-in combination lock.
- E. Doors
- 1. 16 gauge steel with one 90 degree bend on all four sides. All doors 15 inches wide or greater shall have an 18 gauge K-brace welded to inside of door for added stiffness (excluding box lockers or Sentry III doors).
- F. Ventilation
- 1. 16 gauge formed doors available with the following ventilation options:
    - a. Solid doors
    - b. Standard Louvered doors
    - c. Diamond perforations
- G. Hinges
- 1. 16 gauge double wrapped, 2 inch tight pin, five knuckle butt type construction riveted directly to the 12 gauge upright angle with two 2/16 inch truss head rivets and bolted to the door with two 3/16 inch by 7/16 inch slotless bolts and shake-proof lock-washers allowing for easy replacement without alignment problems.
- H. Slope Tops:
- 1. Continuous Slope Tops: 20 gauge high-grade cold rolled sheet steel offered in six foot sections including 16 gauge end caps and rear supports as well as 20 gauge splice plates.
  - 2. Slope Top End Caps: All end caps will be constructed of 16 gauge material that is flanged on all three sides. These flanges are to be formed to a dimension of 11/16 inch for ease of mounting and securing of the part to the locker unit. One right hand end cap and one left hand end cap will be provided for each run of lockers.

3. Slope Top Joint Caps: Slope top joint caps to be constructed of two pieces of 22 gauge sheet steel formed and firmly spot welded together providing a snug fitting joint between sections of slope top panels.
  4. Rear Supports: Adjustable height rear supports constructed of 16 gauge material will be provided to support the slope top panels at 36 inch intervals. These supports are designed to provide strength and support throughout the length of the locker run.
  5. Panel Ends, Panel Tops and Fillers: Panel ends and vertical fillers constructed of 16 gauge cold rolled sheet steel. Panel tops and other filler constructed of 20 gauge cold rolled sheet steel.
- I. Zee Base
1. 4 inch high, 16 gauge zee base is flanged outward at top adding support to locker and flanged inward at bottom for floor anchoring.
- J. Legs
1. Extension of front vertical frame members adds 6 inches to overall locker height. Rear legs are bolted to the side and back
    - a. 18 gauge closed bases available to fit in spaces between front legs and on exposed ends.
- K. Shelves
1. Single tier 48 inches high and greater to have one 24 gauge standard shelf with formed front and located 9 inches from the top of the locker.
- L. Finish
1. Complete locker unit to be thoroughly cleaned, phosphatized and sealed.
  2. Finish to be baked pure TGIC polyester powder coat with a minimum 2-3 mil thickness.
  3. Color to be chosen from manufacturer's standard 47 colors.

## **2.03 LOCKER ACCESSORIES**

### **A. Hooks**

1. Openings 18 inches high and greater to have two single prong side hooks secured by no less than two bolts.
2. Openings 30 inches high and greater to have one rust proof double prong ceiling hook in addition to two single prong side hooks secured by no less than two bolts.
3. Coat Rods: Available for single-tier lockers 54 inches high or greater and 18 inches or more in depth.

### **B. Numbering**

1. Furnish each locker with polished aluminum number plate with etched black numbers.
2. Locate number plate near the top-center of each door.
3. Owner will furnish numbering sequence.

## **PART 3 – EXECUTION**

### **3.01 INSTALLATION**

- A. All lockers securely anchored to wall and base with approved fastenings. Fastenings applied shall be through suitable reinforcing plates.

### **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.