



## SECTION 10 51 13 - METAL LOCKERS

### PART 1 GENERAL

#### 1.1 SECTION INCLUDES

- A. DESCRIPTION: Furnish and install factory-assembled Heavy-Duty MIG-Welded Metal Lockers, complete, as shown and specified per contract documents.

#### 1.2 RELATED WORK SPECIFIED ELSEWHERE:

- A. Concrete: Section 03 10 00
- B. Rough Carpentry: Section 06 10 00
- C. Finish Carpentry: Section 06 20 00

#### 1.3 SUBMITTALS

- A. GENERAL: Refer to Section 01 30 00 ADMINISTRATIVE REQUIREMENTS - SUBMITTALS
- B. SHOP DRAWINGS: Submit drawings showing locker types, sizes, quantities, including all necessary details relating to anchoring, trim installation and relationship to adjacent surfaces.
- C. COLOR CHARTS: Provide color charts showing manufacturer's available colors (minimum 24). Provide metal samples if requested.
- D. NUMBERING: Locker numbering sequence will be provided by the approving authority and noted on approved shop drawings returned to the locker contractor.

#### 1.4 QUALITY ASSURANCE

- A. MANUFACTURING STANDARD: Provide metal lockers that are standard products of a single manufacturer, with interchangeable like parts. Include necessary mounting accessories, fittings, and fastenings.
- B. FABRICATOR QUALIFICATIONS: Firm experience (minimum 5 years) in successfully producing the type of metal lockers indicated for this project, with sufficient production capacity to produce required units without causing delay in the work.
- C. INSTALLER QUALIFICATIONS: Engage an experienced (minimum 2 years) installer who has successfully completed installation of the type of metal lockers and extent to that indicated for this project.

#### 1.5 PRODUCT HANDLING

- A. GENERAL: All work shall be fabricated in ample time so as to not delay construction process.
- B. DELIVERY: All materials shall be delivered to the site at such a time as required for proper coordination of the work. Materials are to be received in the manufacturer's original, unopened packages and shall bear the manufacturer's label.
- C. STORAGE: Store all materials in a dry and well ventilated place adequately protected from the elements.

## 1.6 WARRANTY

- A. Uniform Exchange lockers are covered against all defects in materials and workmanship excluding finish, damage resulting from deliberate destruction and vandalism under this section for a period of one year.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. **AVAILABLE MANUFACTURERS:** Subject to compliance with the design, material, method of fabrication and installation as required in this specification section or modified as shown on drawings. Manufacturers offering products which may be incorporated in the work include the following: Art Metal Products (Basis of Design)

### 2.2 LOCKER TYPES

- 1. General: Lockers shall be "AMP UNIFORM EXCHANGE BULK HANGING GARMENT LOCKERS" as manufactured by Art Metal Products or approved equal.
- 2. Type: custom design
- 3. Size: \_\_\_\_" wide x \_\_\_\_" deep x \_\_\_\_" high
- B. Uniform Exchange Bulk Hanging Garment Lockers:
  - 1. Access Door: 16 gauge sheet steel, plain
  - 2. Sides: Fully-framed 24 gauge sheet steel
  - 3. Tops, Bottoms, Shelves: 21 gauge solid sheet steel
  - 4. Backs: 24 gauge solid sheet steel

### 2.3 FABRICATION

- A. **MATERIALS:**
  - 1. Steel Sheet: All sheet steel used in fabrication shall be prime grade free from scale and imperfections and capable of taking a heavy coat of custom blend powder coat.
  - 2. Fasteners: Cadmium, zinc or nickel plated steel; bolt heads, slotless type; self locking nuts or lock washers.
  - 3. Hardware: Hooks and hang rods of cadmium plated or zinc plated steel or cast aluminum.
  - 4. Handle: Steel.
  - 5. Number Plates: To be aluminum with not less than 3/8" high etched numbers attached to door with two aluminum rivets.
- B. **CONSTRUCTION:** Lockers shall be "Uniform Exchange Bulk Hanging Garment Lockers" as manufactured by Art Metal Products or approved equal. Fabricate lockers square, rigid and without warp, with metal faces flat and free from dents or distortion. Make all exposed metal edges safe to touch. Weld frame members together to form rigid, one-piece structure. Weld, bolt, or rivet other joints and connections as standard with manufacturer. Grind exposed welds flush. Do not expose bolts or rivet heads on fronts of locker doors or frames except for fastening of number plates.

1. Body: Fabricate back and sides of 24 gauge (minimum) sheet steel, with double flanged connections extending full height. Back to be ventilated with a ½" diameter hole pattern. Top and bottom shall be of 21 gauge (minimum) sheet steel with single return bends at all sides..
2. Frame: Fabricate of 16 gauge (minimum) channels, with integral continuous door stop/strike formed on both latch and hinge side vertical members.
3. Access Door: Door to be fabricated from single sheet prime 16 gauge with single bends at top and bottom and double bends at the sides. Door shall be plain (non-vented).
4. Latch Assembly: The latching mechanism for the access door shall be a multi-point latching system. Locking devise shall be designed for use with a padlock. Latch hooks shall be securely welded to the vertical frame channel on the strike side to engage the lock bar.
5. Door Hinges: Shall be a continuous piano hinge securely welded to the door and riveted to the frame.

## 2.4 LOCKER ACCESSORIES:

### A. Locks (If required):

1. Built-In Combination Locks: Built-in combination automatic dead bolt locks with 5 control keys. Locks must be capable of a minimum of five combination changes.
2. Combination Padlocks: Combination padlock, key controlled.

### B. Equipment: Full Height: coat rod at top of compartment, Half Height: coat rod at top of upper and lower compartment.

### C. Finished End Panels (If required): Shall be "Boxed" type formed from 16 gauge cold rolled steel with 1" O.D. double bends on sides and a single bend at top and bottom with no exposed holes or bolts. If lockers have slope tops, end panels must be formed with slope at top to cover the ends of the slope tops. Finished to match lockers. Provide at all exposed ends.

### D. Continuous Slope Tops (If required): Not less than 18 gauge sheet steel approximately 18 degrees pitch, in lengths as long as practical but not less than four lockers. To be installed in addition to the locker flat top with end closures for support. Finished to match lockers.

### E. Fillers (if required): Provide where indicated, of not less than 16 gauge sheet steel, factory fabricated and finished to match lockers.

### F. FINISHING: All locker parts to be cleaned and coated after fabrication with a seven stage hot-spray washing process and coated with a zirconium-based nanotechnology providing a green alternative to traditional iron phosphate followed by a coat of high grade custom blend powder electrostatically sprayed and baked at 350 degrees Fahrenheit for a minimum of 20 minutes to provide a tough durable finish. Color: Grey

### G. Lockers shall be GREENGUARD GOLD Certified.

## PART 3 EXECUTION

### 3.1 INSTALLATION

- A. GENERAL: Installation shall be in strict conformance with referenced standards, the manufacturer's written directions, as shown on the drawings and as herein specified.
- B. PLACEMENT: Lockers shall be set in place, plumb, level, rigid, flush and securely attached to the wall (or bolted together if back-to-back) and anchored to the floor or base according to manufacturer's specifications.

- C. ANCHORAGE: About 48" O.C., unless otherwise recommended by manufacturer, and apply where necessary to avoid metal distortion, using concealed fasteners. Friction cups are not acceptable.
- D. TRIM: Sloping tops, metal fillers and end panels shall be installed using concealed fasteners. Provide flush, hairline joints against adjacent surfaces.

### 3.2 ADJUSTMENT

- A. GENERAL: Upon completion of installation, inspect lockers and adjust as necessary for proper door operation. Touch-up scratches and abrasions to match original finish.

END OF SECTION