

SECTION 10508  
METAL WARDROBE LOCKERS - GENERAL

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. The provisions of the General Conditions, Supplementary Conditions, and the Sections included under Division 1, General Requirements, are included as a part of this Section.

1.2 SUMMARY

- A. The Work required under this Section consists of new lockers and related items necessary to complete the Work, including:
  - 1. Wardrobe locker units with hinged doors.
  - 2. Metal tops and filler panels.
  - 3. Locker accessories.
  - 4. At least one of each type of locker unit shall be accessible to the physically disabled.
- B. Related Work Specified Elsewhere
  - 1. Section 03300 - Cast-in-Place Concrete: For concrete locker base. Coordinate with Division 9 for finishes on bases.
  - 2. Section 06200 - Finish Carpentry: For wood integral locker benches.
- C. Refer to Section 01 230 for Alternates that may affect the Work of this Section.

1.3 REFERENCES

- A. ASTM A653/A653M - Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy coated (Galvannealed) by the Hot-Dip Process.

1.4 SUBMITTALS

- A. Submittals for review
  - 1. Section 01300 - Submittals: Procedures for submittals.
  - 2. Submit product data indicating construction details, material descriptions, dimensions of individual components and profiles and finishes for each type of locker.
  - 3. Submit shop drawings prior to fabrication. Shop drawings shall indicate locker plan layout, type of material, gauges of metal, reinforcement, filler, finishing strips, and other details of construction. They shall show methods and details of attachment, layout of the lockers, and devices to be furnished by others.
    - a. Provide locker-numbering system unless otherwise indicated; shop drawings shall identify the locations where each series is to be installed.
  - 4. Submit samples of manufacturer's full color line, including standard and optional colors (minimum of 18 colors).
- B. Submittals for information
  - 1. Section 01300 - Submittals: Procedures for submittals.
  - 2. Manufacturer's Installation Instructions: Indicate component installation assembly.

1.5 DELIVERY, STORAGE, HANDLING, AND PROTECTION

The School District of Palm Beach County

Project Name

SDPBC Project No.

- A. Section 01600 - Material and Equipment: Transport, handle, store and protect products.
- B. Do not deliver lockers until spaces to receive them are clean, dry, and ready for locker installation.
- C. Protect lockers from damage during delivery, handling, storage, and installation.
- D. Deliver master keys, control keys, and combination control charts to owner.
- E. Protect locker finishes and adjacent surfaces from damage after installation until final acceptance.

## 1.6 COORDINATION

- A. Coordinate sizes, locations and layout of concrete and metal bases.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. The following manufacturers shall be considered, as equals or exceeds the quality specified; and they can provide products of the type, size, function, and arrangement required:
  - 1. Superior, List Industries, Inc., Boca Raton, Florida
  - 2. DeBourgh Mfg. Co., Minneapolis, Minnesota
  - 3. Lyon Metal Products, Aurora, Illinois
  - 4. Republic Storage Systems Co., Canton, Ohio
  - 5. Penco Products, Inc., Oaks, Pennsylvania
- B. Products of other manufacturers will be considered for acceptance provided they equal or exceed the material requirements and functional qualities of the specified product. The "Substitution Request Form" and complete technical data for evaluation must accompany requests for Architect's approval. All materials for evaluation must be received at least 10 days prior to bid due date. Additional approved manufacturers will be issued by Addendum.

### 2.2 LOCKER TYPES

- A. Refer to the Drawings for the various types, sizes and locations of lockers required.
- B. Provide at least one of each type to comply with the Florida Accessibility Code.

### 2.3 MATERIALS

- A. Sheet Steel: ASTM A653/653M-02, Grade D, Coating Designation G90, stretcher leveled; to the following minimum thicknesses:
  - 1. Body and Shelf: 24-gauge
  - 2. Door: 16-gauge
  - 3. Door Frame: 16-gauge
  - 4. Hinges: 14-gauge
  - 5. Sloping Top: 16-gauge
  - 6. Trim: 16-gauge

### 2.4 ACCESSORIES

- A. For Each Locker more than 30" inches in height: Two single prong wall hooks, coat hanger bar, hat shelf, brief case holder, and rubber bumper.

### 2.5 FABRICATION

- A. Locker Units:
  - 1. Width: Sizes as shown on the drawings, 12" unless otherwise indicated.
  - 2. Depth: Sizes as shown on the drawings, 12" unless otherwise indicated.
  - 3. Height: Sizes as shown on the drawings.
  - 4. Configuration: Configuration as shown on the drawings.
  - 5. Mounting: Surface (curb) mounted
  - 6. Base: 16-gauge sheet steel to match lockers where required by the drawings.
  - 7. Base Height: 4" (any material)
  - 8. Top: Sloped 20-gauge sheet steel to match lockers, continuous with metal with closures and filler panels. Concealed fasteners.
  - 9. Locking: Provide for owner supplied padlock system. Locking mechanism shall engage frame at least two points for two and three tier units and three points for single tier units.
  - 10. Ventilation Standard top and bottom door louvers, (6) 6" louvers unless otherwise required by locker height or the drawings.
  - 11. Number Plates Number plates, when provided, shall comply with the requirements of the Florida Accessibility Code for legibility and location.
- B. Locker Body: Formed and flanged with steel stiffener ribs; electric spot-welded.
- C. Frames: Formed channel shape, welded and ground flush, welded to body, resilient gaskets and latching for quiet operation.
- D. Doors: One-piece steel with vertical edges formed to channel shape and horizontal edges formed to angle shape; welded construction, grind and finish edges smooth.
- E. Hinges: .050" steel, 2" five knuckle hinges; two for doors under 42" high; three for doors over 42" high; weld securely to locker body and door.
- F. Number Plates: Provide oval shaped aluminum plates. Form numbers 1/2" high of block font style, in contrasting color; mechanically attached.
- G. Fabricate lockers square, rigid, and without warp, with metal faces flat and free of dents or distortion. Make exposed metal edges free of sharp edges and burrs, and safe to touch. Weld frame members together to form a rigid, one-piece assembly.
  - 1. Form locker body panels, doors, shelves, and accessories from one-piece steel sheet, unless otherwise indicated.
- H. Form recess of operating handle and locking device. Provide operating mechanisms for the physically disabled as required herein.
- I. Shop fabricate sloped metal tops, ends and closure pieces.
- J. Provide end panels and filler strips for lockers, tops and bases.

## 2.6 FINISHES

- A. Finish all steel surfaces and accessories, except pre-finished stainless steel and chrome plated surfaces.
- B. Comply with NAAMM "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
- C. Clean, degrease, and neutralize metal; prime and finish with one coat of baked enamel.
- D. Baked Enamel Finish: Immediately after cleaning and pre-treating, apply manufacturer's standard baked enamel finish consisting of a thermosetting topcoat. Comply with paint manufacturers written instructions for applying and baking to achieve a minimum dry film thickness of 1.4 mils on doors, frames, bases, and legs, and 1.1 mils elsewhere.
- E. Color: As selected by Architect from manufacturer's standard range.
  - 1. Interior shall be same color as exterior.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Verify that bases are in correct position, configuration and level.
- B. Verify bases and embedded anchors are properly sized.

### 3.2 INSTALLATION

- A. The Work shall be installed level, plumb, true, and flush in strict accordance with the manufacturer's specifications, instructions, and recommendations.
  - 1. This shall include the proper assembly of lockers and their installation in accurate position and alignment. Screws and other assembly devices shall be properly installed and tightly drawn.
  - 2. Install end panels and filler plates to complete each section of the assembly.
  - 3. Install finishing strips required to bring the completed assembly into proper finished condition.
- B. Connect groups of all welded lockers together with standard fasteners, with no exposed fasteners on face frames.
- C. Securely anchor lockers to curbs, floors and walls at intervals recommended by manufacturer, but not more than 36" oc. Install anchors through backup reinforcing plates where necessary to avoid metal distortion, using concealed fasteners.
  - 1. Lockers shall be leveled with concealed cedar shims, where necessary, to provide for irregularities in the base.
  - 2. Secure lockers with anchor devices to suit substrate materials, minimum pullout force 100-lb
  - 3. Bolt adjoining locker units together to provide rigid installation.
- D. Fit exposed connections of trim, fillers, and closures accurately together to form tight, hairline joints, with concealed fasteners and splice plates.
  - 1. Attach recess trim to recessed lockers with concealed clips.
  - 2. Attach sloping top units to lockers, with closures at exposed ends.
- E. Attach boxed end panels with concealed fasteners to conceal exposed ends of non-recessed lockers.
- F. Install accessories to provide a neat, finished, functional installation.
- G. Replace components that do not operate smoothly or properly.

### 3.3 APPEARANCE

- A. Variations in appearance of abutting or adjacent pieces are acceptable if they are within 1/2 of the range of approved samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved samples and are assembled or installed to minimize contrast.

### 3.4 CLEANING

- A. Protect all new (and existing, if adjacent) lockers installed against scratches or other imperfections or defects up until the time of final acceptance of the building.
- B. Defective work of material occurring prior to final acceptance shall be promptly replaced, when requested by the Architect, without additional cost to the Owner.

END OF SECTION