

10505 LOCKERS

SPECIFIER:

CSI MasterFormat 2004 number 10 51 00

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes: Metal lockers and benches as indicated on drawings and specified in this section.
- B. Related Sections:
 - 1. 03300 - Cast-In-Place Concrete.
 - 2. 06100 - Carpentry.
 - 3. 09200 - Metal Studs, Lath, Suspension Ceiling, Plaster, and Stucco.
 - 4. 09310 - Ceramic Tile.
 - 5. 09900 - Painting of Unpainted Surfaces.

1.2 SUBMITTALS

- A. Submit manufacturer's specifications and installation instructions for metal locker units.
- B. Shop Drawings:
 - 1. Submit shop drawings for metal lockers, verifying dimensions affecting locker installation.
 - 2. Show lockers in detail, method of installation, fillers, trim, base, and accessories.
 - 3. Include locker numbering sequence information.
- C. Samples:
 - 1. One full sized group of each type of locker required, demonstrating the quality of the proposed construction and finish, complete with required hardware and latching mechanism.
 - 2. Finish Color and Texture: Submit 3 samples, 6 inches x 6 inches on metal, of each color and finish required for lockers.
- D. Closeout Submittals:
 - 1. Submit to DCPS Central Maintenance - Sheet Metal Shop:
 - a. Locker model numbers standard to manufacturer with modifications required to comply as specified.
 - b. Parts list for supplied units with local vendor identified with name, address, and phone number.

1.3 QUALITY ASSURANCE

- A. Provide lockers manufactured by one manufacturer, uniform throughout as to method and type of construction used.
- B. Sheet Steel: Prime grade, free from scale and imperfections.
- C. Installation Hardware: Zinc plated, type approved by A/E.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Metal Lockers:
 - 1. DeBourgh Mfg. Co.
 - 2. List Industries, Inc.
 - 3. Lyon Metal Products, Inc.
 - 4. Penco Products, Inc.
 - 5. Republic Storage Systems Co.

2.2 LOCKER SIZES (nominal)

- A. TYPE "A" Physical Education - 6 tier lockers, 72 inches high overall, 12 inches wide x 12 inches high x 15 or 16 inches deep, with sloped tops.
- B. TYPE "B" Varsity - 2 tier lockers, 72 inches high overall, 18 inches wide x 36 inches high x 24 inches minimum depth, with sloped tops, and each locker with shelf and hooks.
- C. TYPE "C" Staff - Single tier lockers, 12 inches wide x 72 inches high x 18 inches minimum depth, and each locker with shelf and hooks.
- D. TYPE "D" Staff - 6 tier lockers, 72 inches high overall, 12 inches wide x 12 inches high x 18 inches minimum depth.
- E. TYPE "E" At Corridor by Music Suite (for Student Use) - 3 tier lockers, 72 inches high overall, 12 inches wide x 18 inches minimum depth, with sloped tops.

2.3 COMPONENTS

- A. Doors:
 - 1. Side hinged, one-piece:
 - a. Student: 14 gage minimum cold rolled sheet steel.
 - b. Staff: 16 gage minimum cold rolled sheet steel.
 - 2. Rubber Bumpers: Quantity and design standard to the manufacturer. Stick-on type is not acceptable.
 - 3. Door Swing: 180 degrees, side hinged.

4. Door Ventilation:
 - a. Student: Diamond perforations as per manufacturer's standard pattern.
 - b. Staff: Louvers as per manufacturer's standard pattern.
5. Hinges:
 - a. Continuous full height 16 gage "piano" hinge, riveted to frame and door for a tamper-proof installation when locker door is closed.
- B. Latch Mechanism.
 1. Single point latching with no moving parts, with recessed stainless steel pocket and heavy-duty lock tang designed for padlocking, projecting through the surface of door into recessed pocket.
 2. Padlocks are not in contract.
- C. Panels:
 1. Student:
 - a. Ends: 16 gage minimum cold rolled sheet steel, solid.
 - b. Sides: 16 gage minimum cold rolled sheet steel with punched diamond perforations.
 - c. Backs of Double-Faced Assemblies: 16 gage minimum cold rolled sheet steel with punched diamond perforations.
 - d. Backs of Single-Face Assemblies: 18 gage minimum cold rolled sheet steel, solid.
 - e. Tops: 16 gage minimum cold rolled sheet steel, solid.
 2. Staff: 24 gage minimum cold rolled steel, solid.
- D. Shelf: 16 gage minimum cold rolled sheet steel, solid, with a single return bend on all 4 sides.
- E. Sloped Tops:
 1. Additional to 16 gage minimum integral flat top, 18 gage minimum cold rolled sheet steel, solid, with minimum 25 degree slope, secured to locker frame.
- F. Hooks:
 1. Provide 1 double prong back hook and 2 single prong wall hooks riveted inside each locker as specified.
- G. Number Plates:
 1. Provide manufacturer's standard non-ferrous metal number plates, sequence numbered as directed by the A/E.
 2. Mount number plates on each locker door in location as recommended by the locker manufacturer, and attach with at least 2 aluminum pop-rivets.

- H. Metal Filler Panels: 20 gage minimum cold rolled sheet steel with construction, finish, and color to match adjacent locker surfaces.
- I. Manufacturer's Finish Option:
 - 1. Manufacturer's standard powder coating.
 - 2. ESP over zinc-coated (galvannealed) steel according to ASTM A653/A653M.
- J. Color:
 - 1. Provide locker units in colors as selected by A/E from manufacturer's standards.
 - 2. A/E may select a maximum of 6 colors from manufacturer's standard colors.
- K. Construction:
 - 1. K.D. lockers using rivets as required for assembly and field connection of locker components, sloped tops to the horizontal top surfaces of locker units, and the attachment of trim and filler pieces as specified in this section and shown on the drawings.
 - 2. Ease all edges of sheared metal surfaces where exposed to possible body contact.
- L. Special Trim:

SPECIFIER: Where design requirements have established the need of the installation of extra heavy trim at recessed locker installations, provide minimum 1-1/2" x 1-1/2" x 1/8" aluminum angle at jambs and head of recessed lockers as indicated drawings. Coordinate installation of this special trim with locker details on Drawings. Remove this note or insert the detailed requirements.

2.4 FABRICATION - BENCHES

- A. Pedestals:
 - 1. Tubular steel uprights, 16-1/4" high by 1-1/4" o.d. with 0.86" minimum wall thickness, welded die drawn 10 gage flanges with 4 anchoring holes in each flange, finish to match locker finish. Pedestal spacing shall not exceed 6'-0" on centers.
- B. Bench Tops:
 - 1. Laminated maple, 9-1/2" wide by 1-1/4" thick with edges and corners radiused to manufacturer's standard. Surfaces shall be sanded, sealed, and finished with clear non-toxic lacquer or varnish and cured to proper hardness. Provide lengths of 3 to 12 feet in 1 foot increments as shown on drawings, with bench overhang from pedestal center not exceeding 12 inches.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not proceed with the work of this section until conditions detrimental to the proper and timely completion of the work have been corrected in an acceptable manner.

3.2 INSTALLATION

- A. Install metal lockers at locations indicated on the drawings according to manufacturer's instructions for a plumb, level, rigid, and flush installation. Secure to floor and wall blocking.
- B. Install trim pieces with concealed fasteners to provide flush, hairline joints against adjacent surfaces.
- C. Unless otherwise noted, provide metal filler panels for closure to adjacent surfaces, factory-finished to match adjacent lockers.
- D. Touch-up marred finishes, or replace as directed, using materials and finishes as recommended or furnished by locker manufacturer.
- E. Adjust doors and latches to operate easily without bind.
- F. Verify satisfactory operation of integral locking devices.
- G. Special Installation Requirements:
- H. Provide manufacturer's recommended wood blocking and wall furring as indicated on the drawings.
- I. Repair damage to existing curbs resulting from the work of this contract.
- J. Benches shall be securely attached to floors with galvanized bolts and expansion shields or anchored with aluminum drive anchors. Minimum pull-out shall be 100 pounds per fastener.

END OF SECTION