

SECTION 10 51 13  
LOCKERS

**PART 1 - GENERAL**

**1.1 DESCRIPTION**

A. This Section includes the following: Lockers for Locker Rooms.

**1.2 RELATED WORK**

A. Related Sections include the following:

1. Section 06 10 00 - ROUGH CARPENTRY for furring, blocking, and shims required for installing lockers and concealed within other construction before locker installation.

B. Type of Finish, and Color: See Finish/Material Schedule on drawing A-603.

**1.3 SUBMITTALS**

A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.

B. Manufacturer's Literature and Data:

1. Before fabrication of the lockers is started, submit manufacturer's literature which will be used to determine compliance with submittal requirements.

C. Samples: Prior to fabrication, provide color samples on actual locker material to determine final color selection.

**1.4 QUALITY ASSURANCE**

A. Installer Qualifications: An authorized representative of metal locker manufacturer for installation and maintenance of units required for this Project.

B. Source Limitations: Obtain lockers and accessories through one source from a single manufacturer.

C. Product Options: Drawings indicate size, profiles, and dimensional requirements of lockers and are based on the specific system indicated. Refer to Division 1 Section "Product Requirements."

D. Regulatory Requirements: Where lockers are indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)" and FED-STD-795, "Uniform Federal Accessibility Standards"

#### **1.5 DELIVERY, STORAGE, AND HANDLING**

- A. Do not deliver lockers until spaces to receive them are clean, dry, and ready for locker installation.

#### **1.6 PROJECT CONDITIONS**

- A. Field Measurements: Verify the following by field measurements before fabrication and indicate measurements on Shop Drawings:
  - 1. Concealed framing, blocking, and reinforcements that support lockers before they are enclosed.

#### **1.7 COORDINATION**

- A. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of work specified in other sections to ensure that lockers can be supported and installed as indicated.

#### **1.8 WARRANTY**

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of lockers that fail in materials or workmanship, excluding finish, within specified warranty period.
  - 1. Failures include, but are not limited to, the following:
    - a. Structural failures.
    - b. Faulty operation of latches and other door hardware.
  - 2. Damage from deliberate destruction and vandalism is excluded.

#### **1.9 APPLICABLE PUBLICATIONS**

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.
- B. American Society for Testing and Materials (ASTM):
  - A1008-08.....Steel Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened and Bake Hardenable
  - ASTM A 568/A 568M-09....Steel, Sheet, Carbon, and High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, General Requirements for

ASTM A 653/A 653M-09....Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process

ASTM A 924/A 924M-09....General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process

ASTM B 456-03.....Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium

ASTM D 2092-01.....Preparation of Zinc-Coated (Galvanized) Steel Surfaces for Painting

Accessibility Standards:

ADA.....Americans with Disabilities Act

ADA-ABA.....Americans with Disabilities Act and the Architectural Barriers Act

ADAAG.....Accessibility Guidelines for Buildings and Facilities

FED-STD-795.....Uniform Federal Accessibility Standards

Metal Finishes Manual for Architectural and Metal Products (NAAMM)

## **PART 2 - PRODUCTS**

### **2.1 MATERIALS**

- A. Material shall be solid phenolic with a high pressure melamine finish surface made as an integral part of the core material. Surface and edges shall be non-porous and shall not support fungus or bacteria. Solid Phenolic shall meet all requirements for class B flame spread rating and smoke development according to ASTM E84.
- B. Fasteners and hinges: The locker body shall incorporate mortise and tenon construction and shall be mechanically fastened together with stainless steel fasteners with screw holding strength that exceeds 2,500 lbs pre fastener in accordance with ASTM D1037. Hinges shall be concealed, 14 gauge stainless steel and have five (5) knuckles, which will allow the door to open 90 degrees.
- C. Anchors: Select material, type, size, and finish required for secure anchorage to each substrate.
  - 1. Provide stainless steel anchors and inserts on inside face of back exterior walls and elsewhere as required for attachment to substrate as required by locker manufacturer.

## 2.2 LOCKERS

- A. Manufacturers: Provide locker units from manufacturer's complying with the requirements of this specification and accessible access requirements.
- B. Locker Arrangement:
  - 1. Locker Rooms: "Z" shape lockers.
- C. Locker Dimensions:
  - 1. Provide individual units with the following dimensions:
    - a. Locker Rooms: 18" wide, 15" deep and 72" high.
- D. Locker Material:
  - A. Panel Material:
    - 1. Decorative papers impregnated with a melamine resin on faces with a clear protective overcoat and integrally compression molded within a core consisting of solid phenolic impregnated kraft papers.
    - 2. Fire Rating:
      - a. Core or panel material shall meet fire Class B resistance per ASTM E84
    - 3. Colors: As selected from manufacturer's standard full range of colors.
  - B. Doors & Ancillary Panels:
    - 1. Material: 1/2" (13mm) thick solid phenolic composite material.
    - 2. Corners: Eased edges
    - 3. Door Fastening: Blind fastening unless through bolts are requested
    - 4. Colors: See Finish/Material Schedule and Room Finish Schedule on drawing A-603.
- C. Locker Bodies
  - 1. Exposed edges: Straight profile; eased edges to remove sharpness; machine polished and free from tooling imperfections.
  - 2. Tops, bottoms, and intermediate shelves: 3/8" (9.5mm) thick solid phenolic composite material with ventilation holes.
  - 3. Locker sides: 5/16" (8mm) thick solid phenolic composite material.
  - 4. Locker backs: 1/4"+ (6mm) thick solid phenolic composite material.
  - 5. Doors: 1/2" thick solid phenolic composite material.
  - 6. Colors: Locker bodies are white. All phenolic panel edges are black.
- D. Accessories:

1. Door Identification Plates:
  - a. Material: Black plastic with reverse engraved numbers and surface mount with permanent adhesive.
  - b. Fonts to be a minimum 1/2" high and up to four characters.
  - c. Numbering sequence to be provided by VA COR.
2. Ventilation: Double line hole pattern with six 5/16" (8mm) diameter ventilation holes on tops, bottoms,. Provide three 5/16" (8mm) diameter ventilation holes on "Z" type intermediary shelves.
3. End Filler Panels: Provide filler panel at back of each end of locker run, between wall and locker, to completely fill any residual space between locker units and wall.
4. Interior Side hooks:
  - a. Material: Stainless steel. Plastic and nylon hooks are not acceptable.
  - b. Two per opening for all openings 30" tall or greater.
- E. Base: Adjustable locker feet with 1/2" solid phenolic kick plate color matched with lockers. Adjustable from 3 3/4" to 5".
- F. Color(s): As scheduled or as selected from manufacturer's full color range

### **PART 3 - EXECUTION**

#### **3.1 EXAMINATION**

- A. Examine walls and floors with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

#### **3.2 INSTALLATION**

- A. General: Install level, plumb, and true; shim as required, using concealed shims:
  1. Anchor locker runs at ends and at intervals recommended by manufacturer, but not more than 36 inches (910 mm) o.c. Install anchors through backup reinforcing plates, channels, or blocking as required to prevent distortion, using concealed fasteners.
  2. Anchor single rows of metal lockers to walls near top and bottom of lockers.

B. Equipment and Accessories: Fit exposed connections of trim, fillers, and closures accurately together to form tight, hairline joints, with concealed fasteners and splice plates.

1. Attach hooks with at least two fasteners.

2. Attach finished end panels with fasteners only at perimeter to conceal exposed ends of non-recessed lockers.

### **3.3 ADJUSTING, CLEANING, AND PROTECTION**

A. Clean, lubricate, and adjust hardware. Adjust doors and latches to operate easily without binding.

B. Protect lockers from damage, abuse, dust, dirt, stain, or paint. Do not permit locker use during construction.

C. Touch up marred finishes: Use only materials and procedures recommended or furnished by locker manufacturer.

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