

SECTION 10 51 23

PLASTIC-LAMINATE-CLAD LOCKERS

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes:
 - 1. Plastic-laminate-clad lockers.
 - 2. Bases, tops and filler panels.
 - 3. Locker benches.
- B. Related Sections:
 - 1. Section 05 05 23 - Standards for Anchors and Fasteners.
- C. [Related Work Not in Contract: Provision of padlocks.]

1.02 REFERENCE STANDARDS

- A. [Woodwork Institute:]
 - 1. WI - The WI Approach.
 - 2. AWS - Architectural Woodwork Standards.
- B. CBC - California Building Code.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. [Coordination:].
- B. [Preinstallation Meeting:].
- C. [Sequencing:].
- D. [Scheduling:].

1.04 [SUSTAINABLE CHARACTERISTICS]

- A. Section 01 35 63 - Sustainability Project Requirements: Requirements for sustainable design compliance.
- B. Materials and Resources Characteristics:
 - 1. [Recycled Content Materials: Furnish materials with maximum available recycled content including:

SPEC NOTE *List materials specified in this section required to have recycled content.*

a. [_____].

- 2. [Regional Materials: Furnish materials extracted, processed, and manufactured within 500 miles of Project site.]

SPEC NOTE *List materials specified in this section required to be regional materials.*

a. [_____].

1.05 SUBMITTALS

- A. See Section 01 33 00 - Submittal Procedures, for submittal procedures.

- B. Product Data: Provide data on locker types, sizes and accessories.
- C. Shop Drawings: Indicate locker plan layout, numbering plan and combination lock code.
- D. Samples: Submit four samples 3 by 6 inches in size, of each color selected; match existing.
- E. Manufacturer's Installation Instructions: Indicate component installation assembly.

1.06 [SUSTAINABLE DESIGN SUBMITTALS]

- A. Section 01 35 63 - Sustainability Project Requirements: Requirements for sustainable design submittals.
- B. Manufacturer's Certificate: Certify products meet or exceed specified sustainable design requirements.
 - 1. Materials Resources Certificates:
 - a. Certify source and origin for [salvaged] [and] [reused] products.
 - b. Certify recycled material content for recycled content products.
 - c. Certify source for regional materials and distance from Project site.
- C. Product Cost Data: Submit cost of products to verify compliance with Project sustainable design requirements. Exclude cost of labor and equipment to install products.
 - 1. Provide cost data for the following products:
 - a. [Salvage products.]
 - b. [Reused products.]
 - c. Products with recycled material content.
 - d. Regional products.

1.07 DELIVERY, STORAGE, AND PROTECTION

- A. Protect locker finish and adjacent surfaces from damage.

PART 2 PRODUCTS

2.01 PLASTIC-LAMINATE-CLAD LOCKER.

- A. Single Tier:
 - 1. Description:
 - a. Construction: Plastic laminate faced particleboard with polyvinyl edging.
 - b. Dimensions: 12 inches wide by 18 inches deep by 72 inches high.
 - c. Hooks: One double-prong ceiling hook.
 - d. Provide haps for padlock.
 - e. Base: Prefabricated by manufacturer, 4 inches high unless otherwise indicated.
 - f. [Provide Accessible Lockers as indicated on the Drawings.]
 - g. [Provide ADA Accessible Lockers with locks as indicated on the Drawings]
 - h. [Accessible Lockers: Minimum of one percent of the lockers (Minimum of one) to be accessible. Locate accessible lockers in lower tier, with accessible hardware between 12 and 40 inches above finished floor. Provide shelf at minimum 15 inches above finished floor. Hardware to meet requirements of CBC Section 1117B.6 and not require grasping, pinching or twisting.]
 - 2. Product: Ideal Products, Inc.'s "Ideal 1000 Series, Model A"; or equal.
- B. Double Tier:
 - 1. Description:

- a. Construction: Plastic laminate faced particleboard with polyvinyl edging.
 - b. Configuration as indicated for two lockers in one frame.
 - c. Dimensions: 12 inches wide by 18 inches deep by 72 inches high.
 - d. Hooks: One double-prong ceiling hook.
 - e. Provide haps for padlock.
 - f. Base: Prefabricated by manufacturer, 4 inches high unless otherwise indicated.
 - g. [Provide Accessible Lockers as indicated on the Drawings.]
 - h. [Provide ADA Accessible Lockers with locks as indicated on the Drawings]
 - i. [Accessible Lockers: Minimum of one percent of the lockers (Minimum of one) to be accessible. Locate accessible lockers in lower tier, with accessible hardware between 12 and 40 inches above finished floor. Provide shelf at minimum 15 inches above finished floor. Hardware to meet requirements of CBC Section 1117B.6 and not require grasping, pinching or twisting.]
2. Product: Ideal Products. Inc.'s "Ideal 1000 Series, Model L"; or equal.

2.02 BENCHES

- A. Description:
 1. Design: Ventwood bench consisting of wood slates with oak doweling and T- legs.
 2. Bench Width: [12]--or--[16] inches]--or--[As indicated on Drawings].
 3. Bench Length: [24]--or--[36]--or--[48]--or--[60]--or--[72]--or--[84]--or--[96] inches]--or--[As indicated on Drawings].
 4. Bench Height: 17 inches.

2.03 BASIC MATERIALS AND COMPONENTS

- A. Locker Components:
 1. Material: Fire-retardant, formaldehyde-free, minimum 45 pound density industrial grade particleboard.
 2. Sides: 5/8 inch thick, white vinyl finish.
 3. Shelves: 3/4 inch thick, black melamine finish.
 4. Back Panel: Medium density fiberboard, 1/4 inch thick, white vinyl finish, ventilated.
 5. Doors: 3/4 inch thick, plastic laminate on exterior face and white cabinet liner on interior face, and polyvinyl edge molding.
- B. Plastic Laminate (High Pressure Decorative Laminate):
 1. Material: Meet requirements of Section 06 41 00 – Architectural Wood Casework.
 2. Color: As indicated on Drawings.
- C. Polyvinyl Edging:
 1. Description: "T" shaped polyvinyl edging as standard with locker manufacturer.
 2. Color: As selected by University's Representative.
- D. Hinges: Black exposed knuckle hinges.
- E. Locks: Provide manufacturer's standard lock assembly to receive padlocks.
- F. Hasp for Padlock: Plastic-laminate-clad locker manufacturer's standard.
- G. Hooks: Steel with ball points.
- H. Clothes Rod: Plastic-laminate-clad manufacturer's standard.
- I. Silencers: Rubber.

J. Number Plates: Polished aluminum with black numbers 1/2 inch high. Unless otherwise indicated or directed attach number plates in numerical order starting from No. 1 in each room containing lockers.

K. Wood Slats for Benches: Clear vertical grain, Douglas fir.

L. Bench Legs: Steel

2.04 FABRICATION

A. Preparation: Verify dimensions at job site.

B. Fabricate plastic-laminate-clad lockers and benches in accordance with manufacturer's published specifications unless otherwise noted.

C. Shop-fabricate and assemble insofar as dimensions permit shipment and installation.

D. Bond plastic laminate to core material under pressure.

E. Apply plastic laminate to exposed faces and edges.

F. Compensate laminate on one face of base material with laminate balancing sheet on opposite face. Where balancing sheet will be exposed, use typical plastic laminate.

G. Pre-drill panels at factory for attachment of fittings and hardware.

H. Fabricate plastic-laminate-clad locker parts square, rigid, and without warp.

I. Finish faces to be flat and free from scratches and chips.

J. Fabricate corners and fillers as required for installation.

K. Dust Covers (Sloping Tops): Provide where noted; minimize joints; reinforce where required; and provide closures for open ends where occurring. Miter at corners to cover voids.

L. Finished End Panels: Provide where end of plastic-laminate-clad lockers are exposed. Panel shall have no holes.

M. Number Plates: Rivet on in approved order starting from No. 1 at each room containing lockers.

2.05 FINISHES

A. Plastic Laminate: No special finish required.

B. Exposed Fittings, Hardware, and Fastenings: Satin finish stainless steel.

C. Wood Bench Slats: Manufacturer's standard clear satin finish.

D. Bench Legs: Black powder coated.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine areas to receive plastic-laminate-clad lockers [and benches]and verify that:
 - 1. Bases not included in work of this Section have been properly prepared.
 - 2. Bases and embedded anchors are properly sized.
 - 3. Backing not included in work of this Section is correct.
- B. Do not start work until unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Assemble and install lockers and benches in accordance with locker manufacturer's printed instructions.
- B. Set lockers in place, accurately aligned, level, plumb, and flush with planes of adjacent surfaces.
- C. Fasten lockers securely to one another, horizontal supporting surfaces and backing.
- D. [Place and secure lockers on prepared base.]
- E. Secure lockers with anchor devices to suit substrate materials. Minimum Pullout Force: 100 pounds.
- F. Adjust doors and latches/locks to operate easily without bind.
- G. Install end panels, filler panels, and sloped tops.
- H. Install accessories.
- I. Replace any defective doors or other components.

3.03 CLEANING

- A. Clean locker interiors and exterior surfaces.

END OF SECTION