



SECTION 10 51 29 - PHENOLIC LOCKERS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. SCOPE OF WORK

1. DESCRIPTION: VersaMax Phenolic lockers and accessories as manufactured by ART METAL PRODUCTS (AMP) or approved equal. Fabricate lockers square, rigid and without warp.

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
- D. NUMBERING: Locker numbering sequence will be provided by the approving authority and noted on approved shop drawings returned to the locker contractor.

1.3 QUALITY ASSURANCE

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

1.4 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.

1.5 WARRANTY

- A. VERSAMAX PHENOLIC 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 20 years.

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

- A. General: Lockers shall be "VERSAMAX PHENOLIC LOCKERS" as manufactured by Art Metal Products or approved equal. VersaMax Phenolic lockers shall meet or exceed all requirements for Class B Flame Spread Rating (not to exceed 75) and Smoke Developed (not to exceed 450) and shall carry a Class B Fire Rating Certification.

- 1. Type: - Tier
- 2. Size: - wide x - deep x - high

- B. VERSAMAX PHENOLIC LOCKER:

- 1. Locker Body: Shall be made from 3/8" thick solid phenolic
- 2. Sides: Shall be made from 5/16" thick solid phenolic.
- 3. Tops, Bottoms and shelves: shall be made from 3/8" thick solid phenolic
- 4. Doors: Shall be fabricated of 1/2" thick solid phenolic.
- 5. Backs: Shall be made from 1/4" thick solid phenolic.

2.3 FABRICATION

- A. MATERIALS:

- 1. Solid Phenolic with High Pressure Melamine matte finish surface as an integral part of the core material. Laminated surfaces are not acceptable. Surface and edges shall be non-porous and not support fungus or bacteria. Provide material that has been selected for uniform color, surface flatness and smoothness.
- 2. Color: Door and accessory color to be selected from manufacturer's standard list of colors. Body components shall be white in color for production lockers.
- 3. Number Plates: To be polished aluminum with not less than 3/8" high etched numbers.

- B. CONSTRUCTION:

- 1. Lockers shall be " VERSAMAX PHENOLIC LOCKERS " as manufactured by ART METAL PRODUCTS (AMP) or approved equal. Fabricate lockers square, rigid and without warp.

2. Doors: Shall be fabricated of 1/2" thick solid phenolic. Doors shall be the full width of the locker and shall be frameless, allowing access to the entire width of the locker. Framed doors are unacceptable. Plain doors with perimeter ventilation shall provide ventilation properties superior to that of traditional framed doors.
3. Body: Tops, bottoms, and shelves shall be made from 3/8" thick solid phenolic. Sides shall be made from 5/16" thick solid phenolic. Backs shall be made from 1/4" thick solid phenolic. Body components shall be white in color. Body incorporates mortise and tenon construction and shall be mechanically fastened together with stainless steel fasteners.
4. Handle/Latch Assembly: Hasp shall be fabricated of 11 gauge type 304 stainless steel with a satin finish. All edges shall be polished and smooth. Hasp shall be attached to the locker body with two (2) stainless steel theft proof torx head with pin, through bolts. Hasp shall extend through a slot in the face of the locker door. Handle shall be finger pull type. All doors are prepared for use with a padlock.
5. Hinges: Shall be heavy-duty continuous full height extruded aluminum with a powder coating to match the locker door color. Hinge knuckles shall be separated with two nylon washers. Hinges shall be fastened to door and body with theft proof stainless steel fasteners.

2.4 LOCKER ACCESSORIES:

- A. Accessories: Slope top, end panels, fillers and base shall be manufactured of the same color, material as the locker doors.
- B. Equipment: Furnish each locker with the following items, unless otherwise shown.
 1. Single tier locker openings 60" and 72" high shall include one hat shelf and two single prong hooks fabricated of 11 gauge type 304 stainless steel attached to locker body with theft proof stainless steel hardware.
 2. Double tier locker openings 30" and 36" high and Z-tier locker openings shall include two single prong hooks fabricated of 11 gauge type 304 stainless steel attached to locker body with theft proof stainless steel hardware.
 3. Locker openings 24" high and under shall not include hooks.
 4. All lockers shall include an engraved aluminum number plate fastened to the door with theft proof fasteners.
- C. FINISHING: Clean surfaces. Touch up marred finishes, or replace damaged components that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by manufacturer.

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. CONDITIONS: Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside the manufacturer's absolute limits.
- C. PLACEMENT: Install components plumb, level, and true; using integral levelers and anchors in accordance with manufacturer's recommendations, shop drawings and other approved submittals.

- D. ANCHORAGE: Fasten components to adjacent construction through back, near top and bottom. Fasten at indicated height using fasteners recommended by manufacturer. Comply with mounting height requirements for accessible components.
- E. TRIM: Sloping tops, wood 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 and align hardware so moving parts operate freely and contact points meet accurately. Allow for final adjustment after installation to ensure hardware operates smoothly without warping or binding and closes with uniform reveals.

END OF SECTION