



Summit Lockers Inc., 138 McLeod Road, Columbia, SC 29203, www.summitlockers.com

Section 10 51 29 Phenolic Lockers

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Phenolic Lockers
- B. Phenolic Benches

1.2 RELATED REQUIREMENTS

- A. Project drawings, meetings, and general provisions of the contract. This includes but is not limited to general materials, supplementary materials, and material testing.

1.3 SUBMITTALS

- A. Comply with procedures and quantities as indicated in Division 1 'Submittal Procedure Section'.
- B. Shop Drawings: Submit shop drawings indicating room sizes, layout, locker dimensions, material thickness, trim, hardware, finishes, locks, base, doors, accessories, and installation details.
- C. Product Data: Submit manufacturer's technical data for materials, fabrication, finishing, fastenings, hardware, and installation details.
- D. Samples: Submit samples of edge details, colors, patterns, finishes, and textures.

1.4 QUALITY ASSURANCE

- A. Qualifications:
 - 1. Fabricator shall be capable of providing field service representation.
 - 2. Installer shall be approved by the manufacturer and have experience in performing work of similar size and scope.
 - 3. Parts shall be structurally sound and clear of defects, in material as well as construction covered under the full warranty period.
- B. Pre-Installation Meeting: Conduct pre-installation meeting prior to installation to verify project requirements and conditions.

1.5 DELIVERY, STORAGE, and HANDLING

- A. Storage and Handling: Store materials in an enclosed shelter providing protection from damage, temperature, humidity, and exposure to the elements.
- B. Delivery: Deliver materials in the manufacturer's original protective packaging and store lockers until ready for installation.

1.6 PROJECT CONDITIONS AND COORDINATION

- A. Field Measurements: Before material fabrication, verify actual field measurements and show actual measurements on shop drawings.
- B. Coordination: Coordinate field measurements with fabrication schedule and construction progress to avoid construction delays.

1.7 WARRANTY

- A. Manufacturer's Warranty: Manufacturer agrees to replace phenolic locker components that fail in materials or workmanship within specified warranty period.
 - 1. Submit executed copy of Summit Lockers 20-year warranty against defects in material signed by an authorized representative of Summit Lockers.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Phenolic Lockers
 - 1. Basis of Design: Drawings and specifications are based on Summit Phenolic Lockers; 138 McLeod Road, Columbia, SC 29203, Phone: (803)403-8816, Email: info@summitlockers.com
 - 2. Substitutions: Not permitted.

2.2 MATERIALS

- A. 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.
 - 1. Fire Rating: Core or panel material shall meet fire Class B resistance per ASTM E84.
- B. Material Thickness:
 - 1. Doors, End Panels, Filler Panels, Sloped Top – 1/2" (13mm)
 - 2. Tops, Bottoms, Shelves – 3/8" (10mm)
 - 3. Sides, Backs – Minimum 5/16" (8mm)
 - 4. Wall Mounting Cleats – 1/2" (13mm)
- C. Locker Bodies:
 - 1. Solid phenolic composite material with ventilation holes.

2. Mortise and Tenon Joints: All tops, bottoms, and shelves use mortised joints and are secured with mechanical fasteners.
 3. Exposed Edges: Straight profile; eased edges to remove sharpness, machine polished and free from tooling imperfections.
 4. Body Color: Summit's standard Frosty White unless other color specified.
- D. Locker Doors:
1. Full overlay, covering full width and height of locker body; eased edge corners.
 2. Door Fastening: Blind fastening unless through bolts are requested.
 3. Door Color: As selected by Architect from manufacturer's full range of standard colors.

2.3 HARDWARE

- A. Hinges: Concealed 6-Knuckle Stainless Steel hinge. Opens 90°. Include three (3) hinges for doors > 36" tall or two (2) for all other heights.
- B. Hooks: (2) Stainless Steel hooks per opening for all openings 30" tall or greater. Plastic and nylon are not acceptable.
- C. Fasteners: All fasteners shall be Stainless Steel.
- D. Locks: Stainless Steel hasp bar for customer supplied padlock.
 1. Other locks as specified. Options include but are not limited to: Digital Day Use, Digital Assigned Use, Mechanical Day Use, Mechanical Assigned Use, Key Lock, Coin Retain Lock, Coin Return Lock, Combination Lock, Card Locks, Smart Locks.
- E. Number Identification Plates:
 1. Material: 1.75" x 6.25" black plastic with reverse engraved numbers and surface mounted with permanent adhesive.
 2. Fonts to be a minimum of ½" high and up to four characters.
 3. Numbering sequence to be provided by Architect.

2.4 VENTILATION

- A. Vertical Ventilation: Provide six 5/16" (8mm) diameter ventilation holes on tops, bottoms, and intermediate shelves. Provide three 5/16" (8mm) diameter ventilation holes on "Z" type intermediary shelves.
- B. Horizontal Ventilation: Provide ventilation around the edge of the door equal to at least 1.43 square inches of ventilation surface area per linear foot of door perimeter.

2.5 BENCHES

- A. Phenolic Benches: 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.
 1. Bench Tops: ¾" thick solid phenolic composite material

2. *Choose all that apply:*

- i. Powder coated steel pedestal locker bench: 3/4" thick by 12" wide solid phenolic top installed on powder coated steel pedestals.
- i. Stainless steel pedestal locker bench: 3/4" thick by 12" wide solid phenolic top installed on stainless steel pedestals.
- ii. ADA pedestal locker bench: 3/4" thick, 24" wide by 48" long solid phenolic top installed on four (4) black powder coated aluminum pedestals.
- iii. ADA pedestal locker bench: 3/4" thick, 24" wide by 48" long solid phenolic top installed on four (4) stainless steel pedestals.
- iv. ADA pedestal locker bench with backrest: 3/4" thick, 24" wide by 48" long solid phenolic top installed on four (4) black powder coated aluminum brackets with solid phenolic back rests attached with aluminum brackets.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Examine site conditions before locker installation. Notify architect of unacceptable areas.
- B. Do not install lockers until unacceptable conditions have been corrected.

3.2 INSTALLATION

- A. Install lockers in locations as shown on shop drawings per manufacturer's instructions.
- B. Install lockers installed secured, plumb, level, square, and flush. Base by others must be flat and level.
- C. Install all required trim, fillers, end panels, and closures per manufacturer's instructions.
- D. Use hardware supplied or recommended by the manufacturer.
- E. Attach number plates to doors as indicated on shop drawings.
- F. Correct and/or replace damaged components as directed by architect.

3.3 ADJUSTMENT

- A. Adjust doors and locks for smooth operation without binding.
- B. Lubricate door hinges and locks per manufacturer's instructions.

3.4 CLEANING

- A. Clean all surfaces in accordance with manufacturer's instructions. Do not use abrasive cleaners.
- B. Dry surfaces with a soft, clean, non-abrasive cotton cloth.

END OF SECTION 10 51 29