

SECTION 10 51 00
Summit Phenolic Lockers
(Solid Phenolic Lockers)

Part 1-General

1.01 Summary

- A. Section includes:**
Solid phenolic lockers
Solid phenolic benches

1.02 Submittals

- A. Submittals:** 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.
- E. Closeout Documents:** Submit the following:
1. Operation and maintenance data
2. Warranty

1.03 Quality Assurance

- A. Qualifications:**
1. Fabricator shall be capable of providing field service representation.
2. Installer shall be approved by the manufacturer and be experienced in performing work of similar size and scope.
- B. Pre-installation Meeting:** Conduct pre-installation meeting prior to installation to verify project requirements and conditions.

1.04 Delivery, Storage and Handling

- A. Ordering:** Comply with supplier's ordering and lead-time guidelines to avoid delays.

- B. **Delivery:** Deliver materials in the manufacturer's original protective packaging.
- C. **Storage and Handling:** Store materials in an enclosed shelter providing protection from damage, temperature, humidity, and exposure to the elements.

1.05 Coordination and Project Conditions

- 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.

1.06 Warranty

- A. Submit executed copy of the Summit Lockers 20-year warranty against defects in material signed by an authorized representative of Summit Lockers.

Part 2 – Products

2.01 Solid Phenolic Lockers

- A. **Basis of Design:** Drawings and specifications are based on Summit Phenolic Lockers.
- B. **Manufacturer and Fabricator:**
Summit Lockers Inc.
138 McLeod Road
Columbia, SC 29203
Phone: 888-403-8816
Email: info@summitlockers.com
- C. **Model:** Summit Phenolic Locker fabricated from solid phenolic composite material.

2.02 Materials

- 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: (choose one, Class B fire rating is standard)
 - a. Core or panel material shall meet fire Class A resistance per ASTM E84
 - b. Core or panel material shall meet fire Class B resistance per ASTM E84
- B. **Doors & Ancillary Panels:**
 1. Material thickness: 1/2" (13mm) thick solid phenolic composite material.

2. Corners: Eased edges
3. Door Fastening: Blind fastening unless through bolts are requested
4. Colors: Doors are available in a full range of manufacturer colors, patterns and wood grains. All phenolic panel edges are black.

C. Locker Bodies

1. Construction: Locker bodies are to be manufactured using mortise & tenon joints for locker body strength.
2. Tops, bottoms, and intermediate shelves thickness: 3/8" (9.5mm) thick solid phenolic composite material with ventilation holes.
3. Locker side thickness: 5/16" (8mm) thick solid phenolic composite material.
4. Locker back thickness: 1/4"+ (6mm) thick solid phenolic composite material.
5. Colors: Locker bodies are white. All phenolic panel edges are black.
6. Exposed edges: Straight profile; eased edges to remove sharpness; machine polished and free from tooling imperfections.

E. Hardware

1. **Hinges:** (choose one; concealed stainless steel barrel hinges is standard).
 - a. Concealed Stainless Steel hinge. Opens 90°. Include three (3) hinges for doors > 36" tall or two (2) for all other heights.
 - b. ADA hinge. Opens 180°. Include three (3) hinges for doors > 36" tall or two (2) for all other heights.
 - c. Continuous Stainless Steel hinge Opens 90°. One (1) per door.
2. **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.
3. **Fasteners:** All fasteners shall be stainless steel.
4. **Door Identification Plates:**
 - a. Material: Black plastic with reverse engraved numbers and surface mounted with permanent adhesive.
 - b. Fonts to be a minimum 1/2" high and up to four characters.
 - c. Numbering sequence to be provided by architect.
5. **Door Locks:** (choose one; hasp bar for padlock is standard)
 - a. Stainless steel hasp bar for customer supplied padlock
 - b. Built in combination lock
 - c. Built in key lock
 - d. Built in coin/token lock
 - e. Built in digital lock

F. Ventilation

1. **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.

2. 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.

2.03 Accessories and Options

Specifier note: Delete unnecessary items. Consult manufacturer for accessory recommendations.

A. Locker Benches: (Choose all that apply)

- a. Stainless steel pedestal locker bench: 3/4" thick by 12" wide solid phenolic top installed on stainless steel pedestals.
- b. Powder coated steel pedestal locker bench: 3/4" thick by 12" wide solid phenolic top installed on powder coated steel pedestals.
- c. Anodized Aluminum pedestal locker bench: 3/4" thick by 12" wide solid phenolic top installed on anodized aluminum bench pedestals.
- d. ADA pedestal locker bench: 3/4" thick, 24" wide by 48" long solid phenolic top installed on four (4) stainless steel pedestals.
- e. ADA pedestal locker bench with backrest: 3/4" thick, 24" wide by 48" long solid phenolic top installed on four (4) stainless steel pedestals with solid phenolic back rests attached with aluminum brackets.

B. Finished Locker Top: (Choose one, standard top is default)

- a. Standard top: Locker top is white body material.
- b. Flat top: 1/2" solid phenolic top color matched with lockers and installed flat.
- c. Sloped top: 1/2" solid phenolic top color matched with lockers and installed at a 20° rise from front to back, using an extruded aluminum channel across the front

C. Coat Rod: Stainless steel coat rod installed in locker openings > 30" H and 18"D

D. Adjustable Locker Base: Adjustable locker feet with 1/2" solid phenolic kick plate color matched with lockers. Adjustable from 3 3/4" to 5".

E. Additional Door Ventilation: (Choose one, standard ventilation is default)

- a. Standard ventilation. See section 2.02F
- b. 50% additional ventilation. Through door ventilation with 5/16" holes drilled into a horizontal or vertical pattern.
- c. 100% additional ventilation. Through door ventilation with 5/16" holes drilled into a horizontal or vertical pattern.

Part 3 – Execution

3.01 Examination: Examine site conditions before locker installation. Notify architect of unacceptable areas. Do not install lockers until unacceptable conditions have been corrected.

3.02 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.

3.03 Adjustment

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

3.04 Cleaning

- A. Clean all surfaces in accordance with manufacturer's instructions.
- B. Do not use abrasive cleaners.

End of Section