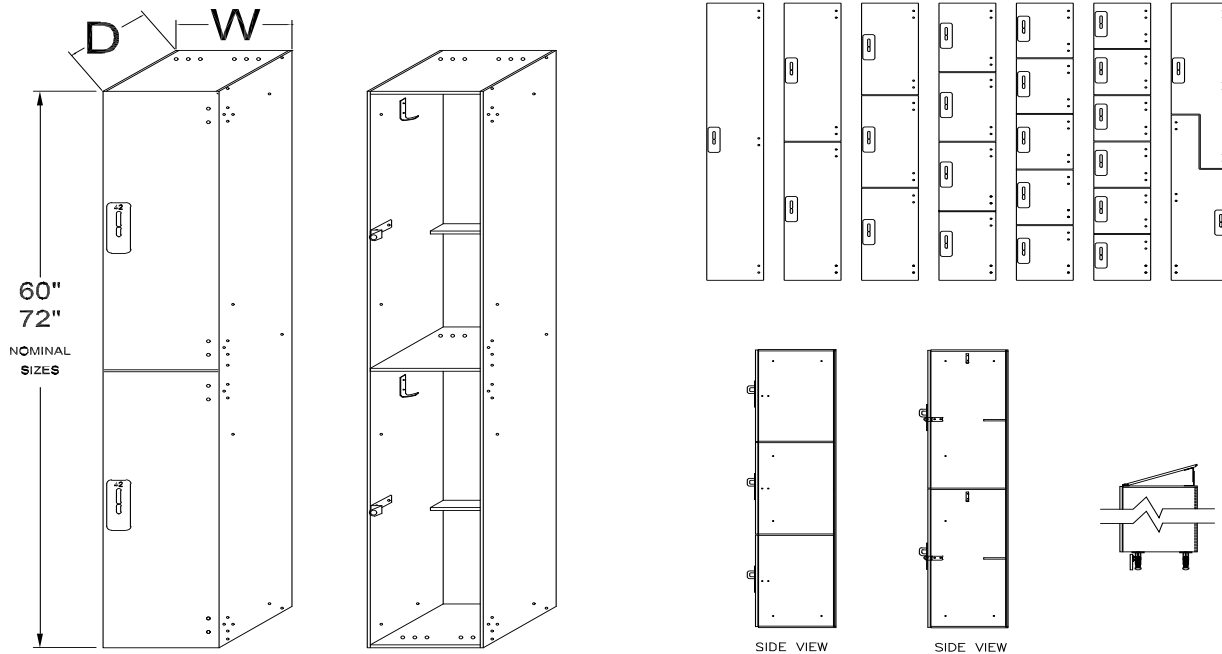


## Class A Fire Rated Solid Phenolic Locker



### MATERIALS

**General:** Material shall be Class A Fire Rated Solid Phenolic with a High Pressure Melamine matte finish surface made as an integral part of the core material. Laminated surfaces are not acceptable. Surface and edges shall be non-porous and shall not support fungus or bacteria. Provide material which has been selected for uniform color, surface flatness and smoothness. Exposed surfaces which exhibit discolorations, pitting, seam marks, roller marks, stains, telegraphing of core material, or other imperfections on finished units are not acceptable. Defects such as chipping along edges and corners are unacceptable. Columbia Solid Phenolic shall meet or exceed all requirements for Class A Flame Spread Rating and Smoke Developed calculated according to ASTM E84, and shall carry a Class A Fire Rating Certification. Class A Fire Rating Certification shall be in the name of the Locker Manufacturer and shall be less than six (6) months old. Materials shall contribute to LEED® Certification credits. MR 4.1, 4.2, 5.1 & 5.2, and EQ 4

### SPECIFICATIONS

**Locker Doors:** Locker Door shall be the full width of the Locker Uni-Box® and shall be frameless, allowing access to the entire width of the Locker. Framed Doors are unacceptable. Perimeter ventilation shall provide superior ventilation properties to traditional framed doors. Doors shall be attached to the Hinge with Stainless Steel Theft Proof Torx Head with Pin fasteners.

**Locker Body:** Locker Body shall incorporate the Uni-Box® Locker Construction to allow for multiple Locker configurations within the same Locker Body. The Locker Body shall be white in color. The Uni-Box® shall incorporate mortise and tenon construction and shall be mechanically fastened together with Stainless Steel fasteners. Locker Shelves shall be mortised into side walls of the Uni-Box® at location determined by Architect. Relocation of Shelves in the field shall be possible without the need for special tools or welders. The Hinge shall be attached to the Uni-Box® with Stainless Steel Theft Proof Torx Head with Pin Bolts. Lockers shall arrive at construction site fully assembled.

The manufacturer reserves the right, without formal notification, to implement changes to the design and dimensions.

Edition: Columbia Phenolic 6811L /002

## Class A Fire Rated Solid Phenolic Locker

### SPECIFICATIONS (continued)

**Locker Hinges:** Hinges shall be concealed and shall be made of 14 Gauge Type 304 Stainless Steel and have a Satin finish. Hinge shall have five (5) knuckles and shall allow door to open 90°.

**Locker Hasp Bar:** 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 and the Locker Number Plate. Locker Hasp Bar is to be used with padlocks (padlocks are not included).

**Coat Hooks:** Coat Hooks shall be fabricated of 11 Gauge Type 304 Stainless Steel with a Satin Finish. All edges shall be polished and smooth. Coat Hooks shall be attached to the Locker Body with Stainless Steel Theft Proof Torx Head with Pin fasteners or Through Bolts. Provide three (3) Coat Hooks for Single Tier Lockers and three (3) for Double Tier and "Z" Lockers. Plastic and aluminum Coat Hooks are unacceptable.

**Number Plates:** Provide a Number Plate for each Door or opening, in the sequence as indicated on the drawings. Number Plate shall be engraved from the back side to prevent the accumulation of dirt and grime.

**Number Plates:** Provide a Number Plate for each Door or opening, in the sequence as indicated on the drawings. Number Plate shall be engraved from the back side to prevent the accumulation of dirt and grime.

**Locker Legs:** Provide Locker Legs for all Lockers except recessed and base mounted Lockers. Locker Leg assembly shall be structural and shall be fully adjustable to provide for leveling and plumbing of Locker Body. Provide Toe Kick Plates with all necessary hardware for attaching to the Locker Leg.

### INSTALLATION

1. Comply with manufacturer's written installation instructions. Install Lockers rigid, straight, plumb and level.
2. Through Bolt Locker Boxes together with Stainless Steel Theft Proof Torx Head with Pin, Through Bolts.
3. Anchor Locker Boxes to the wall with provided anchor devices.
4. Install Slope Tops, End Panels, Filler Strips and accessories in accordance with written instructions.

### QUALITY STANDARDS

**Flame Spread:** When tested in accordance with ASTM E84, Lockers, Athletic Lockers, Wardrobe Cabinets, School Cubbies and Locker Bench materials shall meet or exceed all requirements for Class A Flame Spread Rating and Smoke Developed and shall carry a Class A Fire Rating Certification in accordance with the requirements of NFPA and ICC. Class A Fire Rating Certification shall be in the name of the Locker Manufacturer and shall be less than six (6) months old.

1. Flame Spread shall not exceed 25.
2. Smoke Developed shall not exceed 450.

**Screw Holding Strength:** When tested in accordance with ASTM D1037, Direct Screw Withdrawal Test, Locker materials shall withstand a direct pull force that exceeds 2,500 lbs per fastener.

**Water Absorption Requirements:** When tested in accordance with ASTM D570 Locker materials shall have a Water Absorption Rate of less than 0.37%.

The manufacturer reserves the right, without formal notification, to implement changes to the design and dimensions.

Edition: Columbia Phenolic 6811L /002

Page 2 of 3

## Class A Fire Rated Solid Phenolic Locker

### QUALITY STANDARDS (Continued)

**Tensile Strength:** Locker materials shall have a Modulus of Elasticity of 1.55 Million PSI.

**Shear Strength:** Locker materials shall have a Shear Strength of 2,000 PSI minimum.

**Compression Strength:** Locker materials shall have a Compression Strength of 24,000 PSI minimum.

**Impact Resistance Strength:** When tested in accordance with ASTM D2794, Locker materials shall withstand an Impact Force Value in excess of 45 inch-lbs.

**Graffiti Resistance Requirements:** When tested in accordance with ASTM D6578, Locker materials shall prove resistant to all chemicals tested for a period of 1 to 10 minutes and shall leave no mar or blemish on the surface when cleaned. Locker materials shall have guaranteed surface clean ability from permanent markers and shall have Non-Ghosting properties.

**Scratch Resistance Requirements:** When tested in accordance with ASTM D2197, Locker materials shall prove to be scratch resistant when the maximum Load Value exceeds 10 kilograms.

**LEED® Contribution Requirements:** Locker materials shall contribute LEED® Certification credits for New Construction, Existing Buildings and Schools. MR 4.1, 4.2, 5.1 & 5.2, and EQ 4.

### FABRICATION

**General:** Provide factory pre-assembled Locker units. Lockers shall be complete with all hardware and accessories listed above. Knock down units are unacceptable.

**Slope Tops and End Panels:** Provide Slope Tops and End Panels as required to complete the installation of the Lockers.

STANDARD SIZE OPTIONS				
<b>Widths</b>	9"	12"	15"	18"
<b>Depths</b>	12"	15"	18"	
<b>Heights</b>	60"	72"		