

SECTION 10 56 00
Design-Tec® Lockers
(Solid Phenolic Cubbie Storage Units)

Part 1-General

Specifier Note: This product guide specification must be reviewed and edited to meet the project requirements, building codes, and to select product options. This section includes Design-Tec® Lockers-Cubbie Storage Units as manufactured by Spec-Rite Designs LLC.

1.01 Summary

Specifier Note: Design-Tec Lockers-cubbie storage units are fabricated from solid phenolic flat panels based on resin saturated cellulose fibers manufactured under high pressure and temperature. The decorative surface is applied to the core during the panel manufacturing process. Therefore, the panel differs from HPL products because it is monolithic (the core and surface are homogeneous) and not glued to a core. Solid phenolic composite material resists moisture, graffiti, and chemicals.

A. Section includes:

1. Design-Tec Lockers-Cubbie Storage Units

Specifier Note: The following section refers to products that match Design-Tec Lockers aesthetic and performance characteristics and are typically required for similar applications and environments.

B. Related Sections:

1. Specialties: Division 10 Toilet Compartments. DesignRite® Partitions 10 21 13
2. Specialty Casework: Division 12. DesignLine® Cabinets 12 35 53
3. Specialties: Division 10. Design-Tec® Lockers 10 51 00

1.02 Submittals

A. Submittals: Comply with procedures and quantities as indicated in Division 1 Submittal Section.

B. Shop Drawings: Submit shop drawings indicating room sizes, layout, cubbie dimensions, material thickness, trim, hardware, finishes, base, accessories, and installation details.

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 have 10 years or more experience in fabrication of solid phenolic materials and shall be experienced in performing work of similar size and scope.
 - 2. Fabricator shall be capable of providing field service representation.
 - 3. 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 [2] [_____] weeks 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 construction progress to avoid construction delays.

1.06 Warranty

- A. Submit executed copy of Spec-Rite Designs 10-year warranty against defects in material and 2 years against workmanship signed by an authorized representative of Spec-Rite Designs, LLC.

Part 2 – Products

2.01 Solid Phenolic Cubbie Storage Units

- A. Basis of Design: Drawings and specifications are based on Design-Tec® Lockers-Cubbie Storage Units.

- B. Manufacturer and Fabricator:

Spec-Rite Designs, LLC
1054 Central Industrial Drive
St. Louis, MO 63110
Phone: 314-633-4978
Fax: 314 771-4597
Email: info@specritedesigns.com

- C. Model: Design-Tec Lockers-Cubbie Storage Unit fabricated from solid phenolic composite material.

2.02 Materials

- A. **Panel Material:**

1. Decorative papers impregnated with melamine resin on faces with a clear protective overcoat and integrally compression molded within a core consisting of solid phenolic impregnated kraft papers.

Specifier Note: Panel Material is available in Class B or Class A fire rating (ASTM E84). Select from either option. Class A is available made to order with extended lead-time.

2. Panel Material shall meet fire resistance per ASTM E84 [Class B] [Class A].

3. Colors:

a. Core: Black

b. Interior: (Manufacturer's quick ship color collection color range)
(Manufacturer's full color range- Extended lead-time color collection).

c. Color-Thru

Specifier Note: Ancillary panels are available in a wide range of colors at extended lead-times. A quick ship color collection range is available in shorter lead time. Consult with manufacturer to avoid construction delays.

d. Ancillary Panels: (Manufacturer's quick ship color collection color range)
(Manufacturer's full color range).

B. Bodies:

1. Exposed edges: Straight profile; eased edges to remove sharpness; machine polished and free from tooling imperfections.
2. Tops, bottoms, and intermediate shelves: 1/2 " (13mm) thick solid phenolic composite material.
3. Backs: 1/4 " (6mm) thick solid phenolic composite material.
4. Sides: (1/2" (13mm) thick solid phenolic composite material).

Specifier Note: Cubbie bodies are modular and can stand alone as a single unit. Cubbie body side panels have exposed fasteners. Applied finished end panels conceal fasteners when side is visible from the layout conditions. Fillers panels enclose exposed fasteners when side meets a corner or a wall. Finished end panels and/or filler panels are required for a finished installation.

C. Ancillary Panels: Finished end panels and closures shall be 1/2" (13 mm) thick solid phenolic composite material.

D. Hardware

1. Hinges and Limit Arm: 304 stainless steel, limit arm to allow maximum opening to 90 degrees.
2. Fasteners: Exposed Fasteners shall be 304 stainless steel
3. Fastener Application: Apply directly into or through the material.
4. Other Reinforcement: Aluminum or metal profiles for reinforcements shall not be permitted.

E. Base

Specifier Note: Edit this paragraph to indicate curb type(s) and indicate on plans.

1. Base not furnished with cubbie: (Curb mounted) (_____)
2. Base furnished with cubbie: (Adjustable leg mounted: 4" adjustable to 5 1/2", ABS plastic mounting-leveling leg) (Frame Mounted: 2" by 2" square aluminum frame, 18-22" high with fully adjustable mounting feet (with) (without) integral bench)

2.03 Size

Specifier Note: Indicate cubbie size(s). Each Cubbie “frame” is modular and includes the overall height of the cubbie (less the curb). Consult manufacturer for custom sizes.

- A. **Number of Tiers:** (1) (2) (3) (4) (5) (6) (_____)
- B. **Overall Height:** (59-3/4”) (71-3/4”) (_____)
- C. **Overall Width:** (12”) (15”) (18”) (24”) (_____)
- D. **Overall Depth:** (11-3/4”) (14-3/4”) (17-3/4”) (19-3/4”) (23-3/4”) (_____)

2.04 Accessories and Options

Specifier Note: Select required accessories and delete items not required. Consult manufacturer for accessory recommendations.

Specifier Note: Sloping tops are optional, flat tops are standard and are included as part of the cubbie body. Specify slope or flat tops.

- A. **Cubbie Top:** Top shall be [Flat] [Sloping from ¼” (6mm) thick solid phenolic composite material].
- B. **Doors:** ½” (13mm) thick solid phenolic composite material
- C. **Locks:** Application of lock dependant on lock type.

Part 3 – Execution

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

3.02 Installation

- A. Install cubbies in locations as shown on shop drawings per manufacturer’s instructions.
- B. Install cubbies plumb, level, square, rigid, and flush.
- C. Install all required trim, fillers, end panels, and closures per manufacturer’s instructions.
- D. Use hardware supplied or recommended by the manufacturer.

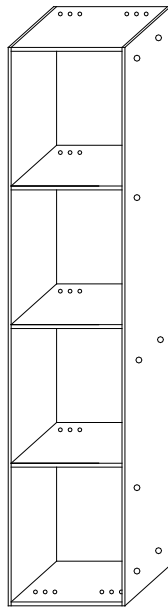
- E. Correct and/or replace damaged components as directed by architect.

3.03 Cleaning

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

End of Section

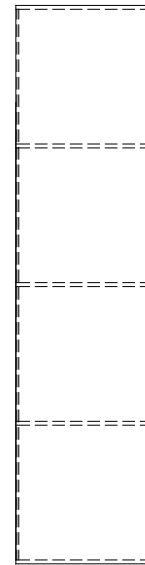
4 TIER CUBBIE



ISOMETRIC



FRONT



SIDE