

This Product MasterSpec Section is licensed by Deltek, Inc. to Rubbermaid Incorporated; a Newell Brands company ("Licensee").

This independent Product MasterSpec Section uses original MasterSpec text.

Revisions made to the original MasterSpec text are made solely by the Licensee and are not endorsed by, or representative of the opinions of, Deltek or The American Institute of Architects (AIA). Neither AIA nor Deltek are liable in any way for such revisions or for the use of this Product MasterSpec Section by any end user. A qualified design professional should review and edit the document to suit project requirements.

For more information, contact Rubbermaid Incorporated; a Newell Brands company; 8900 North Pointe Executive Dr., Huntersville, NC 28078; Phone: (888) 895-2110; Fax: (573) 204-2615; Website: <http://rubbermaidpro.com>; Email: sales-info@closetdesignpro.zendesk.com.

For information about MasterSpec, contact Deltek at (800) 424-5080 or visit masterspec.com.

SECTION 105723 - CLOSET AND UTILITY SHELVING

TIPS:

To view non-printing **Editor's Notes** that provide guidance for editing, click on MasterWorks/Single-File Formatting/Toggle/Editor's Notes.

To read **detailed research, technical information about products and materials, and coordination checklists**, click on MasterWorks/Supporting Information.

Access Product MasterSpec Sections:

[<Double click here to view the list of manufacturer Sections available at ProductMasterSpec.com.>](#)

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Custom wood storage systems.

B. Related Requirements:

1. Section 061000 "Rough Carpentry" for furring, blocking, and other carpentry work not exposed to view[**and for framing exposed to view**].
2. Section 061053 "Miscellaneous Rough Carpentry" for furring, blocking, and other carpentry work not exposed to view.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product. Indicate component materials, dimensions, profiles, textures, and colors and include construction and application details.
- B. Sustainable Design Submittals:
 - 1. Product Data: For recycled content, indicating postconsumer and preconsumer recycled content and cost.
 - 2. Composite Wood Products: Verify products are made using ultra-low-emitting formaldehyde resins, as defined in the California Air Resources Board's "Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products," or are made with no added formaldehyde.
- C. Shop Drawings:
 - 1. Include plans, elevations, sections, and details.
 - 2. Show shelving and accessory layout.
 - 3. Indicate products by description and item part number.
- D. Samples: For each exposed product and for each color and texture specified.
- E. Samples for Initial Selection: For each type of product involving selection of colors, profiles, or textures.
- F. Samples for Verification: For the following products, one of each, in manufacturer's **[standard]** **[full]** size:
 - 1. For each type of specialized shelving.
 - 2. For each finish system and color of panel products with factory-applied finish.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Sample Warranty: For manufacturer's special warranty.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Stack panel products flat with spacers between each bundle to provide air circulation.
 - 1. Protect materials from weather by covering with waterproof sheeting, securely anchored.
 - 2. Provide for air circulation around stacks and under coverings.

- B. Deliver materials only when environmental conditions comply with requirements specified for installation areas. If materials must be stored in other than installation areas, store only where environmental conditions comply with requirements specified for installation areas.

1.6 FIELD CONDITIONS

- A. Environmental Limitations: Do not deliver or install materials until building is enclosed and weatherproof, wet-work in space is completed and nominally dry, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.
- B. Do not install materials that are wet, moisture damaged, or mold damaged.
 - 1. Indications that materials are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
 - 2. Indications that materials are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

1.7 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of closet and utility shelving systems that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Deterioration of metals, metal finishes, and other materials beyond normal wear.
 - 2. Warranty Period: Limited lifetime from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Source Limitations: Obtain closet and utility shelving systems from single manufacturer.

2.2 MATERIALS, GENERAL

- A. Composite Wood Products: Products shall be made using ultra-low-emitting formaldehyde resins as defined in the California Air Resources Board's "Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products" or shall be made with no added formaldehyde.
- B. Melamine-Faced Particleboard: Particleboard complying with ANSI A208.1, Grade M-2, finished on both faces with thermally fused, melamine-impregnated decorative paper and complying with NEMA LD 3, Grade VGL, for Test Methods 3.3, 3.4, 3.6, 3.8, and 3.10.

- C. Cold-Rolled Steel Channels: ASTM A653, structural steel Grade 80; hot-dip galvanized steel, **0.060-inch (1.5-mm)** minimum base-steel thickness.

2.3 RAPID SHELF CLOSET SYSTEM

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Rubbermaid Incorporated; a Newell Brands company; Rubbermaid Rapid Shelf Closet.
- B. Laminate Shelving Panels: Melamine-faced particleboard with applied-PVC edge banding, **0.039 inch (1 mm)** thick:
1. Shelf Size: **3/4 by 14 by 96 inches (19 by 356 by 2438 mm)**.
 2. Shelf Loading Density: **45 lbf/cu. ft. (721 kg/cu. m)**.
 3. System Loading Capacity Over **96 inches (2438 mm)**: [**280 lb (54 kg) drywall**] [**640 lb (63.5 kg) stud**] mount.
- C. Closet Rod:
1. Hang Rod: Industrial-grade cast aluminum, chrome plated.
 2. Hang Rod Size: **96 by 1 inch (2438 by 25 mm)** diameter.
- D. Hardware:
1. Support: Wall mount at [**12 inches (305 mm)**] [**16 inches (406 mm)**] [**24 inches (610 mm)**] o.c.
 2. Rod/Pole Cup: Industrial-grade cast aluminum, chrome plated.
 3. Corner Round Hanger Bar: Industrial-grade steel, chrome plated.
 4. Back Channel: Stamped steel, powder coated.
 5. Side Bracket: Stamped steel, powder coated.
 6. Angle Bracket: Industrial-grade steel, powder coated.
 7. Angle Bracket with Hanger Rod Support: Industrial-grade steel, powder coated, with polypropylene (PP) plastic pole support.
 8. Trim - Left, Right, Shelf End Cap, H-Channel Corner, H-Channel Straight: polypropylene (PP) copolymer plastic.
 9. Fasteners: Screws, anchors, brackets, and other devices of type, size, material, and finish for secure attachment; concealed where possible.
- E. Finishes:
1. [**Wood**] [**Particle Board**] Finish: [**White**] [**Cherry**] [**Gray**] [**Ivory**] [**Mahogany**] [**As selected by Architect**].
 2. Hardware Finish: [**Black**] [**Satin nickel**] [**White**].

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas, with Installer present, for compliance with requirements for installation tolerances, location of framing and reinforcements, and other conditions affecting performance of shelving systems.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install shelving units, accessories, and system components after other finishing operations, including painting, have been completed in area of installation.
- B. Attach shelving units, accessories, and system components to substrates at locations indicated on Drawings in accordance with manufacturer's written instructions.
 - 1. Level and plumb shelving units to a tolerance of 1/8 inch in 96 inches (3 mm in 2438 mm).

3.3 CLEANING AND PROTECTING

- A. Repair or remove and replace defective work as directed on completion of installation.
- B. Clean finished surfaces, touch up as required, and remove or refinish damaged or soiled areas to match original factory finish, as approved by Architect.
- C. Protect installed products from damage during remainder of construction period.

END OF SECTION 105723