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SECTION 105723 - CLOSET AND UTILITY SHELVING

TIPS:

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PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Garage organization system.

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 GARAGE ORGANIZATION SYSTEM

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Rubbermaid Incorporated; a Newell Brands company; Rubbermaid FastTrack Garage Organization[**and FastTrack Garage Cabinet**] System.

- B. Rail: Hot-dip galvanized cold-rolled steel channel with thermoplastic cover.

1. Length: [**48 inches (1219 mm)**] [**84 inches (2134 mm)**].
2. Weight Capacity:
 - a. Accessories: **25 to 50 lb (11.3 to 22.7 kg)**.
 - b. Rail, [**48-inch (1219-mm)**] [**84-inch (2134-mm)**]: **1750 lb (794 kg)**.

- C. Cabinet Types: [**30-inch (762-mm)** Base cabinet with **1-1/2-inch- (38-mm-)** thick maple countertop] [**84-inch (21342-mm)** Tall cabinet] [**30-inch (762-mm)** Wall cabinet].

1. Depth: [**14 inches (356 mm)**] [**19 inches (483 mm)**] [As indicated on Drawings] [As selected by Architect].
2. Length: [As indicated on Drawings] [As selected by Architect].
3. Component Kits:
 - a. Doors.
 - b. Drawers.
 - c. Laminate Shelving and Storage Panels: Melamine-faced particleboard with applied-PVC edge banding, **3/4 inch (19 mm)** thick:
 - 1) Depth: [**15-3/4 inches (400 mm)**] [As indicated on Drawings] [As selected by Architect].
 - 2) Length: [As indicated on Drawings] [As selected by Architect].
 - 3) Color: [White] [Chestnut oak] [Driftwood gray] [As selected by Architect].

- D. Accessories and Components: Provide the following items as indicated on Drawings, finished to match shelving units:

1. Ball holder.
2. Closet rods, extendable **24 to 48 inches (610 to 1219 mm)**.
3. Compact hook.
4. Cooler hook.
5. Cord manager.
6. Hardware rack.
7. Horizontal bike hook.
8. Hose hook.
9. Multipurpose hook.
10. Ladder hook.

11. Power tool holder.
 12. Two-handle hook.
 13. Three-handle hook.
 14. Utility hook.
 15. Vertical bike hook.
 16. Wire basket; **24 inches (610-mm)** wide; **11 inches (2790 mm)** deep; **6 inches (152 mm)** high.
- E. Fasteners: Screws, anchors, brackets, and other devices of type, size, material, and finish for secure attachment; concealed where possible.
- F. Finishes:
1. Cabinet System Finish: [**Black**].
 2. Metal Finish: Pretreated iron-phosphate coated steel components with [**Gray**] finish coat of epoxy-polyester hybrid powder coating at **3 to 5 mil (0.08 mm to 0.13 mm)** thickness.
 3. Laminate Shelving and Storage Panel Color: [**Black**].

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