

WoodTrac, a division of Sauder Woodworking, is committed to producing custom-looking wood products at a fraction of the cost of custom millwork. Its closet shelving, closet cabinets, and ceiling systems are Made in the USA, environmentally friendly, and backed by award-winning customer service. WoodTrac combines its heritage of innovation with the strength of its state-of-the-art manufacturing operation and a large distribution network to provide products and services to its customers in the residential and commercial markets.

Sauder Woodworking Co. is North America's leading producer of ready-to-assemble (RTA) furniture and one of the top five residential furniture manufacturers in the United States. An authentic American original, 90 percent of Sauder® furniture is manufactured in its expansive Archbold, Ohio facility. With some of the most technologically advanced equipment in the world, the facility features nearly 4 million square feet of space, employs about 2,000 workers and houses a wide variety of local and imported materials.

SECTION 105700

WARDROBE AND CLOSET SPECIALTIES

PART 1 - GENERAL

1.1 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section including the following.
 - 1. Closet shelving.
 - 2. Closet cabinets.
- B. Related Work: The following items are not included in this Section and are specified under the designated Sections:
 - 1. Section 061000 - Rough Carpentry; furring, blocking, and other carpentry work not exposed to view.
 - 2. Section 092110 - Gypsum Board Assemblies; for coordination of location of blocking.

1.2 SUBMITTALS

- A. Product Data: Submit for each product indicating materials, dimensions, profiles, textures and colors. Include installation instructions.
- B. Shop Drawings: Submit shop drawings indicating plans, elevations, details of construction, and relationship with adjacent construction.

1.3 QUALITY ASSURANCE

- A. Manufacturer: Regularly engaged in manufacturing of closet and wardrobe specialties.
- B. Installer: Minimum of 2 years installing similar products.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- B. Storage and Handling: Comply with manufacturer's recommendations for storage and handling. Protect from weather damage.

1.5 WARRANTY

- A. Warranty: Provide manufacturer's standard limited warranty against defects in manufacturing.

PART 2 - PRODUCTS

2.1 CLOSET SHELVING

- A. Basis of Design: WoodTrac SolidTrac Closet shelving as manufactured by Sauder Woodworking: 502 Middle Street, Archbold OH 43502; Toll Free Tel: 855-854-7465; woodtrac@sauder.com; www.woodtrac.com. Configuration as indicated on the Drawings.
- B. Material: Silicone top-coated high definition micro papers laminated over either MDF or particleboard.
1. Furniture-Grade Particleboard or Medium Density Fiberboard (MDF): 3/4 inch thick.
 2. Finish: As selected from manufacturer's standard White, Salt Oak and Espresso colors.
 3. Dimensions:
 - a. Length: 96 inch shelf boards to be cut to size on site. Front edge finished.
 - b. Depth: 12 inches typical.
 - c. Depth: 15.5 inches to match WoodTrac Closet Cabinets.
 - d. Depth: 20 inches for linen closets and pantries.
- C. Prefinished Shelf Cleats: 3/4 by 4.72 inch, material as specified for shelving.
1. Side Cleats: Finished edges.
 2. Bracket Cleats: Finished edges.
 3. Back Cleats: Finished edges, unfinished back.
- D. Shelf Towers: Standard dimensions (H by D by W): 84 by 12.4 by 25.5 inches. Width and height can be altered by installer. Towers comprised of:
1. Uprights: (H by D by W): 83.23 by 12 by 0.75 inches. Notched 3.3 upper to fit over back cleat. Notched lower 6.29 inches to clear baseboards.
 2. Precut shelves : (H by D by W): 0.75 by 12.36 by 24 inches.
 3. Lower cleat for securing to wall.
 4. Shelf Pins for adjustable shelves.
 5. 2 inches confirmat screws for assembly.
 6. Optional 10 inches H Drawers.
- E. Finishing Strips: For covering raw edges.
- F. Shelf Connectors: For joining shelves.
1. 1 by .87 by 12.09 shelf connector and corner shelf connector for 12 inch deep shelving.
1 by .87 by 15.6 for 15.5 inch deep shelving.
- G. Chrome Plated Steel Hardware:
1. Shelf Brackets with Rod Support: BHMA A156.16.
 2. Shelf Brackets without Rod Support: BHMA A156.16.
 3. Clothes Rods: Chrome-plated-steel tubes.
 4. Rod Flanges: Chrome-plated steel.

- H. Fasteners for Interior Finish Carpentry: Screws, and anchoring devices providing secure attachment. Concealed where possible.
1. 2.75 screws; for securing cleats to studs or drywall anchors.
 2. 1 auger screws; for securing side cleats to uprights.
 3. 0.75 #8 chrome screws; for securing shelf and shelf/rod brackets, rod flanges.
 4. 0.75 #10 self tapping chrome screws, for securing rods to shelf bracket with rod support.
 5. 1 by 1 by 3.15 inches side cleat angle bracket.
 6. .56 #8 pan head screw for side cleat angle bracket.
 7. Drywall anchors, for anchoring cleats where wood studs are not available.

2.2 CABINETS

- A. Basis of Design: WoodTrac CabinetTrac Closet Cabinets as manufactured by Sauder Woodworking: 502 Middle Street, Archbold OH 43502; Toll Free Tel: 855-854-7465; woodtrac@sauder.com; www.woodtrac.com. Configuration as indicated on the Drawings including the following.
1. Full, half hang, and quarter hang cabinets.
 2. Solid backs in full cabinets.
 3. Soft close doors.
 4. Solid hanging rods.
 5. Four-sided drawer construction with full extension drawer slides.
 6. Toe kicks for floor.
 7. Tilt-able shoe shelves.
- B. Material: Silicone coated high definition micro papers laminated over either MDF or particleboard.
1. Furniture-grade particleboard or Medium Density Fiberboard (MDF): 3/4 inch thick.
 2. Finish: As selected from manufacturer's standard White, Cherry, Salt Oak, and Espresso colors.
 3. Depth: 15.5 inch.
 4. Height of Full Cabinets with No Base: 78.5 inches.
 5. Height of Full Cabinets with Base: 83 inches with base.
 6. Height of Half Hang Cabinets: 46.5 inches.
 7. Height of Quarter Hang Cabinets: 18.5 inches.
 8. Interior Widths: For actual dimensions, add 1.5 inches to product description for overall width dimension. For example, a 24 inch cabinet has 24 inches interior dimensions and 25.5 inches overall width dimension.
 - a. Full Cabinets: 18, 24, and 30 inches as applicable to the project.
 - b. Half Hang Cabinets: 18, 24, 30 and 36 inches as applicable to the project.
 - c. Quarter Hang Cabinets: 18, 24, 30 and 36 inches as applicable to the project.

2.3 PERFORMANCE REQUIREMENTS

- A. Loading: Anchored to wooden studs.
1. Closet Cabinets: 200 lbs per cabinet.
 2. Closet Shelving: 80 lbs per foot.
- B. Loading: Anchored to drywall every 16 inches.
1. Closet Shelving: 80 lbs per foot.

- C. Recycled Materials: Greater than 80 percent.
- D. MDF: ANSI A208.2, Grade 130. Environmentally Preferred Product (EPP) by the Composite Panel Association. Manufactured using ultra-low-emitting formaldehyde resins per California Air Resources Board's "Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products" or made with no added formaldehyde.
- E. Particleboard: ANSI A208.1, Grade M-2. Environmentally Preferred Product (EPP) by the Composite Panel Association. Manufactured using ultra-low-emitting formaldehyde resins per California Air Resources Board's "Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products" or made with no added formaldehyde.
- F. Laminations:
 - 1. Color: ASTM D 1729. Visual compliance to the color standard.
 - 2. Coating Smoothness: ASTM D 1729. Visual compliance to the color standard.
 - 3. Gloss: ASTM D 523. Gardner micro gloss at 60 degrees.
 - 4. Fidelity Registration: ASTM D 1729. Visual compliance to the color standard.
 - 5. Wear Resistance for Paper, Correlated to Coating Weight for Laminates: CPA WR 01 2009.
 - 6. Scratch Resistance: ASTM D 5178 (breaking point). Hoffman-Paint and Coating Testing Methods p557.
 - 7. MEK Resistance: ASTM D4752.
 - 8. Boiling Water Resistance: Federal Spec. AA-11-0018958.
 - 9. Color Stability at Elevated Temperatures: ASTM D1729. Visual compliance to the color standard.
 - 10. Water Resistance: ANSI / NEMA LD 3.
 - 11. Stain Resistance: ANSI / NEMA LD 3.
 - 12. Tape Resistance: ASTM D 3330.
 - 13. Coating / Ink Adhesion: ASTM D 3359.
 - 14. Coefficient of Friction: ASTM D 1894.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine existing conditions are suitable for installation of closet specialties. Proceed with installation only when unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Clean substrates of projections and substances detrimental to application.
- B. Install shelving and cabinetry in accordance with manufacturer's instructions, approved submittals and the following:
 - 1. Install shelving and cabinets level, plumb, and aligned with other Work.
 - 2. Cut shelving to fit adjoining Work.
 - 3. Refinish and seal raw edges as recommended by manufacturer.
 - 4. When face fastening countersink fasteners and fill surface flush or cover with finishing appliques.
 - 5. Install in proper relationship to adjacent construction.

- C. Install shelf cleats by fastening to framing or backing with 2.75 inch screws through grooved channel, set below face and filled or covered with finishing appliques if necessary. Space fasteners not more than 16 inches on center per manufacturer's instructions.
- D. Install shelf brackets per manufacturer's written instructions, spaced not more than 32 inches on center. Install shelf brackets at every intersection of adjoining shelves to support end of floating shelf. All shelves not terminating on a wall supported and supported by a cleat must be supported by a shelf bracket.
- E. Cut shelves to fit openings with enough gap to allow shelves to be removed. Install shelves, fully seated in cleat grooves, on brackets, and supports. Fasten with side cleat angle brackets and pan head screws. Cover raw edges with finishing strips.
- F. Fasten shelves to brackets to comply with bracket manufacturer's written instructions, including option of retaining screw.

3.3 ADJUSTING AND CLEANING

- A. Adjust shelving for proper position and operation. Replace damaged units or repair such that show no evidence of repair or refinishing. Adjust joinery for uniform appearance.
- B. Clean exposed and semi-exposed surfaces using materials acceptable to manufacturer.

END OF SECTION 105700