SECTION 12 3530

RESIDENTIAL WOOD CASEWORK

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Wood kitchen cabinets.

B. Wood vanity cabinets.

1.02 REFERENCE STANDARDS

A. BHMA A156.9 - American National Standard for Cabinet Hardware; Builders Hardware Manufacturers Association; 2015 (ANSI/BHMA A156.9).

B. ANSI/KCMA A161.1 - Performance and Construction Standard for Kitchen and Vanity Cabinets; Kitchen Cabinet Manufacturers Association; 2012 (ANSI/KCMA A161.1).

C. KCMA (DIR) - Directory of Certified Cabinet Manufacturers; Kitchen Cabinet Manufacturers Association; current edition, online.

1.03 SUBMITTALS

A. Product Data: Provide component dimensions and construction details.

B. Shop Drawings: Indicate casework locations, large scale plans, elevations, clearances required, rough-in and anchor placement dimensions and tolerances.

C. Samples: Submit two cabinet doors, not less than 12 x 12 inch in size, illustrating each color of finish to be used on the Project.

1.04 QUALITY ASSURANCE

A. Products: Complying with KCMA A161.1 and KCMA Certified.

B. Manufacturer: Company specializing in manufacturing the type of products specified in this section, with minimum three years of documented experience.

1.05 MOCK-UP

A. Provide full size mock-up of casework base unit.

B. Locate where directed.

C. Approved mock-up may remain as part of the Work.

1.06 WARRANTY

A. Manufacturer's Warranty: Provide manufacturer's material and workmanship warranty.

1. Warranty shall include the following:

a. Defects in cabinet construction.

b. Defects in drawer construction.

c. Failure of drawer guides

d. Failure of door hinges.

2. Warranty Duration: 5 years

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Residential Wood Casework:

1. Wolf "Classic Cabinets" [www.wolfhomeproducts.com](http://www.wolfhomeproducts.com)

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B. Substitutions: [Refer Section 01 6000 - Product Requirements] [No Substitutions]

2.02 WOOD CABINET STANDARD CONSTRUCTION

A. Cabinet Construction:

1. Cabinet shall be constructed of hardwood plywood or solid wood components, the use of particleboard is not acceptable.

2. Cabinets shall be full assembled prior to shipping.

3. The use of unassembled cabinets with locking screw cams will not be acceptable.

4. Cabinets shall be made in America using 60% or more American contents.

B. Cabinet Fronts: Constructed from solid Maple.

1. Cabinet Front: 3/4 inch solid Maple finished to match doors and drawer fronts.

2. Cabinet fronts shall be pocket drilled and screwed.

3. Corner Blocks: 11 ply hardwood plywood, or solid maple blocking.

C. Door and Drawer Fronts:

1. Hudson: Solid Maple.

2. Saginaw: Maple with raised veneer center panel.

3. Dartmouth and York: Center panels shall be MDF mounted in solid maple frame and finished to match cabinet front.

D. Drawer Box Construction:

1. Drawer Box: Front sides and backs constructed of 5/8 inch solid wood with clear finish and dovetail jointing.

2. Drawer Bottom: 1/4 inch plywood captured in dado on all four sides.

E. Cabinet Side Panels:

1. Constructed of 1/2 inch, 7 ply, hardwood plywood with vinyl finish to match cabinet exterior.

2. Glued and stapled into 1/2 inch dado in cabinets front frame.

F. Cabinet Back Panels:

1. Constructed of 1/2 inch, 7 ply, hardwood plywood finished on the interior of the cabinet with vinyl.

2. Glue and nailed in 1/2 inch dado stapled to the hanging rail and cabinet bottom

G. Hanging Rail Construction: 1/2 inch, 7 ply, hardwood plywood.

H. Shelves: 3/4 inch, hardwood plywood with bullnosed front edge, held in place with an adjustable self-locking clip.

I. Wall Cabinet Tops: 1/2 inch thick hardwood plywood with vinyl finish on top and bottom surfaces.

J. Base Cabinet Toe Kick Panel: 1/2 inch thick hardwood plywood.

1. Typical Toe Kick: 4 inch high.

2.03 STANDARD HARDWARE FOR FULL OVERLAY CABINETS (DARTMOUTH, HUDSON, YORK)

A. Hardware: BHMA A156.9, Types as recommended by the manufacturer for items listed.

B. Door and Drawer Pulls: ***(Note to Writer: Select pull style. Selection is not limited to these products.)***

1. Metal Bar Pull: Similar to Hafele 101.20.720 Rail Pull, with 5 inch centers and Satin Nickel finish or equal from Amerock.

2. Loop Pulls: Similar to Amerock Mulholland Series in finish selected by Architect.

3. Round Knob: Similar to Amerock Round Knob Allison Value Hardware in finish selected by Architect.

C. Soft Close Drawer Glides: Grass full extension, undermount glides with soft close, rated for 75 lbs.

D. Door Hinges: Grass six-way adjustable hidden metal hinges with soft close feature.

2.04 STANDARD HARDWARE FOR PARTIAL OVERLAY CABINETS (SAGINAW CABINET)

A. Hardware: BHMA A156.9, Types as recommended by the manufacturer for items listed.

B. Door and Drawer Pulls: (Note to Writer: Select pull style. Selection is not limited to these products.)

1. Metal Bar Pull: Similar to Hafele 101.20.720 Rail Pull, with 5 inch centers and Satin Nickel finish or equal from Amerock.

2. Loop Pulls: Similar to Amerock Mulholland Series in finish selected by Architect.

3. Round Knob: Similar to Amerock Round Knob Allison Value Hardware in finish selected by Architect.

C. Drawer Glides: Grass sidemount epoxy glides, rated for 75 lbs.

D. Door Hinges: Grass six-way adjustable hidden metal hinges.

2.05 STANDARD FINISHES

A. Standard Painted Finish By Cabinet Style: Cabinets shall be painted and finished with a post-catalyzed lacquer clear coat.

1. York Cabinet: White Paint

2. Hudson Cabinet: Antique White Paint

3. Dartmouth Cabinet: White Paint

B. Standard Stain Finish by Cabinet Style: Cabinets shall be stained and finished with a varnish clear coat.

1. Hudson Cabinets:

a. Heritage Brown with Chocolate Glaze

b. Crimson with Chocolate Glaze

2. Dartmouth:

a. Dark Sable

b. Crimson

c. Honey

3. Saginaw:

a. Crimson

b. Honey

C. Finish shall be applied to all exposed surfaces except toe kick panel.

2.06 FABRICATION

A. Shop assemble casework for delivery to site in units easily handled and to permit passage through building openings.

B. Fabricate corners and joints without gaps or inaccessible spaces or areas where dirt or moisture could accumulate.

C. Door and Drawer Miters: Tongue and groove, mitered and glued.

2.07 TRUCK LOAD OPTIONS FOR MULTI-UNIT PROJECTS (*NOTE TO WRITER: Delete this article for standard cabinets. Listed below are options to customize truck load orders)*

A. In addition to the standard construction, finishes, and features listed above the following modifications to the cabinet may be made for multi-unit Projects:

1. Toe Kick Modifications:

a. Heavy Duty Toe Kick: 3/4 inch solid wood, pressure treated toe kick.

b. ADA Toe Kick: 9 inch tall x 9-1/2 inch deep.

2. Construction Modifications:

a. Substitute melamine covered particleboard sides for plywood sides.

b. Substitute unfinished particleboard sides for concealed plywood sides.

3. Hardware Modifications:

a. Substitute standard drawer glides for soft close drawer glides.

b. Substitute Grass standard concealed hinges for Grass soft close hinges.

4. Finish Modifications: In addition to the standard finishes the following Special Order Finishes are available:

a. Cinnamon

b. Auburn

c. Royal

d. Onyx

e. Natural

f. Custom matched stain.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify adequacy of support framing.

3.02 INSTALLATION

A. Install casework, components and accessories in accordance with manufacturer's instructions.

B. Use anchoring devices to suit conditions and substrate materials encountered.

C. Set casework items plumb and square, securely anchored to building structure.

D. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch. Use filler strips; not additional overlay trim for this purpose.

3.03 ADJUSTING

A. Adjust doors, drawers, hardware, fixtures, and other moving or operating parts to function smoothly.

3.04 CLEANING

A. Clean casework, countertops, shelves, and hardware.

3.05 PROTECTION

A. Do not permit finished casework to be exposed to continued construction activity.

END OF SECTION