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## **GENERAL CASEWORK SPECIFICATIONS**

### **Introduction**

All of our cabinetry meet the requirements of AWI (Architectural Woodwork Institute) <http://www.awinet.org> "Custom" construction standards.

### **Casework Construction Technique**

All newly manufactured cabinetry utilizes the Panel Construction technique, typically referred to as one of the following names; Euro-Style, Frameless or 32mm system. This technique is void of the typical face frame which is added to the existing case. Because the face frame has been eliminated the case has full interior access when doors and drawers are opened.

To facilitate the application of required hardware, 5mm diameter holes 13mm deep are bored on one face of interior cabinet ends and both faces of interior partitions. These holes are spaced at 32mm centered apart.

The face edges of the cases receive a veneer that matches the specie and color of the exterior surface. The gap between the edges of doors and drawer fronts averages 1/8".

All finished ends are attached to the exposed end of each cabinet and are not built into the cabinet itself, these are called "Applied Finished Ends".

## **CASEWORK MATERIALS**

### **Interior, Structural and Semi-Exposed Material**

**Case** - 3/4" Maple veneer core plywood, graded B-2 by "Hardwood Veneer Plywood Association" <http://www.hpva.org> standards. All plywood materials are domestically produced.

**Unfinished Back** - 1/2" B-2 Maple veneer core plywood, graded B-2 by "Hardwood Veneer Plywood Association" <http://www.hpva.org> standards. All plywood materials are domestically produced.

**Drawers & Roll out Trays** – 5/8" thick solid Maple utilizing dovetailed construction. Bottoms of all drawers and roll out trays are 1/4" and implanted in a dado on all four sides.

When drawers are to be used for storing heavy weighted objects we will automatically change the bottom to 3/8".

**Exterior and All Exposed Parts** - We have contracted with Conestoga Wood Specialties to provide a highly crafted and durable prefinished dovetail solid wood drawer boxes and roll out trays. If you would like to learn more about these items, please visit their website at <http://www.conestogawood.com/products/components-accessories/drawer-boxes.html>

**Applied Finished Ends** - 3/4" thick (chosen specie) veneered CFC plywood, veneer banded on all exposed edges. These ends are applied separately to each cabinet with an exposed end. **Optional material, thickness and finishes are available upon request.**

**Molding and Trim** – Clients may choose from a variety of trim options by visiting our industry partner, Conestoga Wood Specialties Corporation <http://www.conestogawood.com/>

**Doors and Drawer Fronts** – Clients may choose from many door and drawer front designs by visiting our industry partner, Conestoga Wood Specialties Corporation. <http://www.conestogawood.com/>

## **INTERIOR AND EXTERIOR FINISHES**

### **Interior Finish Material**

All interior and semi-exposed surfaces receive a clear 40% sheen catalyzed Conversion Varnish. Interiors of painted cabinets will receive same painted color and sheen as exterior, except drawer boxes which shall be clear coated. **Optional finish methods are available upon request.**

### **Exterior Finish Material**

**Clear-Coated** – Exterior surfaces that are clear-coated, will receive the same matching sheen of post catalyzed Conversion Varnish, that matches the exterior sheen coming from Conestoga Wood Specialties on the prefinished doors and trim.

**Stains and Glazes** – All stains and glazes are applied by hand rubbing that matches the same method used by Conestoga Wood Specialties on the prefinished doors and trim. This method is time-tested to provide a deeper and durable finish.

**Opaque Finishes** – Opaque finishes, commonly referred to as painting, is obtained by apply a color mixture to a clear catalyzed Conversion Varnish base to achieve the desired opaque color. This finish type results in a look and feel similar to an automotive finish. Common house paint is not recommended on any surfaces of cabinetry. One coat is applied and then hand sanded to a smooth surface. A second coat is then applied and again hand sanded to a smooth surface. The final coat is a 15% sheen clear catalyzed Conversion Varnish. This is the same method used by Conestoga Wood Specialties on the prefinished doors and trim.

**Doors and Drawer Fronts** – Since we obtain our doors and drawer fronts from Conestoga Wood Specialties, all of these items arrive at our facility completely finished to match the finish of the exterior of our casework and ready to be mounted on the completed casework. The method we use on our exterior casework parts will match the same method used by Conestoga Wood Specialties on the prefinished doors and trim.

### **Finishing Material Source**

All of our finish materials utilized to obtain the durable results we provide are obtained from Conestoga Wood Specialties, the same company that manufacture and finish our doors, drawer fronts, molding and drawer boxes. They have partnered with Sherwin-Williams

Finishes to obtain the correct formula and colors that provide a lasting and durable finish. To learn more about their solutions please visit <http://oem.sherwin-williams.com/kitchencabinetry> and at Conestoga Wood Specialties site <http://www.conestogawood.com/species-finishes.html>

## **HARDWARE**

### **Hinges**

Common door hinges are 120° fully concealed hinge (71T5580) with (70T5580) mounting plate. Other hinges that may be used in special situations will be specified in manufacturing phase as needed. Through extensive testing, we have found that the 120° hinge provides the necessary opening angle that helps prevent breaking the door frame due to accidental excessive opening of the doors. There are certain engineering changes that may force the use of 110° or less hinges, but these changes are rare and will be noted on the plans.

All hinges are manufactured and supplied by Julius Blum

<http://www.blum.com/us/en/index.php>

### **Drawer Slides**

**(Up to 24" Wide Drawers)** – Tandem, full extension under-mount with soft-close (563F) for drawers up to 21" deep. Tandem, full extension under-mount with soft-close (569H) for drawers 24" - 30" deep.

**(Over 24" Wide Drawers)** - Same as above with mandatory Tandem Lateral Stabilizer (Part # ZST.686TU01).

**Oversize and wider** drawers – When drawers reach a specific width, depth or weight in which we calculate would put a strain on the normal 100 lb load capacity of the normal slides specified above, we will automatically convert those slides to the heavy duty Blum (569H) and which can handle loads up to 150 Lbs.

All drawer slides and stabilizer are manufactured and supplied by Julius Blum

<http://www.blum.com/us/en/index.php>

## **ACCESSORIES**

### **Description**

When you request accessories for your custom cabinetry, we choose from the best ones available and offer them to you for your consideration. While our choices are the best and have been researched to determine their dependability, you may choose items that you feel meet your budget requirements. The sources that we have contracted with are the following:

- Rev-A-Shelf <http://www.rev-a-shelf.com/>
- Hafele USA <https://www.hafele.com/us/en/>
- Kesseboehmer (sold by Hafele USA) <http://www.kesseboehmer.de/>

## **STANDARD CASE DEPTH CHART**

### **Description**

The below depths listed for each case classification indicate the depth of the cases only and do not include the door thickness. To determine the total depth including the standard 3/4" thick cabinet door/front along with a 1/16" bumper for a total of 13/16" additional depth. Add 13/16" to the actual casework body depths listed below. While these depths are standard, customer may request other depths as needed. Charges for these custom depths will be adjusted accordingly.

### **Case Depth Chart per Case Classification**

<b>Kitchen Base</b>	<b>24"</b>	<b>(23 1/2" inside)</b>
<b>Kitchen Upper</b>	<b>12"</b>	<b>(11 1/2" inside)</b>
<b>Kitchen Tall</b>	<b>26"</b>	<b>(24 3/4" inside)</b>
<b>Bath Vanity Base</b>	<b>21"</b>	<b>(20 1/2" inside)</b>
<b>Bath Tall Cabinets</b>	<b>21 3/4"</b>	<b>(21 1/4" inside)</b>
<b>Over Toilet Upper</b>	<b>9"</b>	<b>(8 1/2" inside)</b>

### **CLOSING REMARKS**

The products that we manufactured to tight standards and highest quality to offer many years of trouble-free service to our clients. This has been our family's tradition for 71 years. Please feel free to compare these specifications to others as you shop for your cabinetry needs. You may find cabinetry that cost less, but we guarantee that you will not find quality standards that supersede the above.

If you have any questions concerning these specifications or need further clarification, please feel free to contact us.

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