

Use and Care

Wood

The fine “furniture” finish of your cabinets is designed for daily usage. All wood and laminate surfaces may be cleaned with a damp, soft cloth moistened with pure soap suds (**not** detergent), then wiped dry with another soft cloth. As with all cabinet surfaces, take a little extra care on bottom edges of cabinets and cabinet doors where invisible moisture often collects.

Note: **DO NOT** use detergents, soap pads, steel wool, or other harsh, abrasive material on your cabinetry.

Polishing Wood

Remove dust from cabinets frequently with a soft lint-free cloth. The cloth may be slightly dampened with water or a spray type dust remover.

Clean spills immediately. Use a clean cloth and mild soap if necessary. Wipe dry with a clean soft cloth.

We recommend that you wash and polish cabinets once or twice a year. Use a light coat of quality furniture polish. Don't use a paste wax; the wax build up is difficult to remove and will leave a residue that attracts dust and moisture. Polishes that contain silicone should **not** be used.

Laminate Door Surfaces

Periodically clean the interior and exterior surfaces of the door using a soft, dampened cloth. Tough stains may be cleaned using a soft cloth dampened with a “409” or “Simple Green” type cleanser.

Mullion Glass Doors

You can use any commercial glass cleaner to clean the glass. While cleaning mounted glass, be careful **not** to damage the finish of the door and cabinet parts. Additionally, the glass can be cleaned while mounted on the door, or can be removed for better access.

To remove the glass panel, carefully remove glass retaining hardware/strip and lift panel out. The door glass is tempered to resist chipping and shattering. However, all glass is fragile, so handle carefully.

When cleaning mounted glass, do **not** spray glass cleaner directly onto glass or cabinet parts. Glass cleaner seeping into areas behind the mullions may discolor the wood. Instead, spray a small amount of cleaner onto a lint-free cloth or paper towel, then wipe the glass clean.

Wire Storage Products

Periodically clean with soft damp cloth. **Note:** Do **not** use detergents, soap pads, steel wool, or other harsh, abrasive material.

Roller Slide Systems

Periodically clean with a soft damp cloth. Ball bearing slides are lubricated with grease from the manufacturer to ensure smooth quiet operation and long life. Avoid removal of this grease during cleaning.

Cookbook Rack, Message Center

Use only soap and water with soft damp cloth to clean. **Note:** Never use alcohol, window sprays, kitchen scouring compounds or solvents. These can cause damage to the material and/or affect the appearance.

Preventative Care: Self-Cleaning Ovens

Self-cleaning ovens are cleaned through the use of intense heat. If the heat gasket does **not** seal properly, heat may escape from the oven. Cabinet components installed near the oven may suffer finish or surface damage. To minimize the risk of damage during cleaning cycles, we recommend that you open doors and drawers from cabinets that are above and adjacent to a self-cleaning oven.

Preventative Care: Heat-Producing Appliances

We recommend that you do **not** mount heat-producing appliances (such as coffee makers and toaster ovens) beneath cabinets. Excess heat and moisture from these appliances can damage cabinets.

The Beauty Of Natural Wood

The natural hardwoods we use in our product have characteristics that make every cabinet both beautiful and unique. All hardwoods have their own personality, and variation in color, texture, and grain pattern are an inherent part of this natural material.

Natural hardwood variations often include distinctive grain patterns or unusual shadings in color. These reflect the “life history” of the tree and contribute to the unique look of your cabinets.

As with other natural materials, your hardwood cabinets will be affected by environmental factors such as natural and artificial lighting, so you can expect to see the color gradually change and mellow over time.

Your satisfaction is important to us, and we want you to feel as good about buying our cabinets as we do about making them. Be assured only the best materials go into our natural hardwood cabinetry, including those hardwoods that may be considered unique. Because, at Masco Cabinetry LLC, we believe natural distinctive hardwoods are beautiful.

Due to the unique qualities inherent in the natural hardwoods used in this cabinetry, neither Masco Cabinetry LLC, nor your dealer, can be responsible for the actual degree of variation that may characterize your cabinetry purchase.

Warping, Cracking & Proper Humidity

As a natural characteristic, all wood products contain moisture. Changes in temperature and humidity affect the moisture content in wood, which causes wood to expand or contract. Over time, this expansion or contraction can cause warping and joint cracks to occur, potentially causing permanent deformations, in wood cabinetry.

To help prevent excessive movement in your wood cabinetry, we recommend maintaining a controlled environment of 70 degrees to 75 degrees Fahrenheit and 30% to 50% humidity in the areas where your cabinetry is stored or installed. Environmental conditions cannot be controlled by Masco Cabinetry and the effects of movement in wood is not considered to be a manufacturing defect and will not be considered as a reason for replacement.

Stain, Glaze and Paint Direct Ship Program

This listing represents the matching stain, paint and glaze as well as clear sealer/topcoat needed to reproduce our finishes. Available in quarts only. The stains are a “two-step” process, requiring first the application of the hand-wipe stain, followed by the application of the clear sealer/topcoat. Instructions and safety data sheets are packaged with each can of stain or clear sealer/topcoat.

Each stain has been developed for a specific wood specie, and is listed within the stain name, i.e., Cherry Cider. If a stain is applied to a wood specie other than it was originally formulated for the color can be expected to have a different appearance. For the color “Natural”, the sealer/topcoat provides the same results as our facilities. For optimum in-field color matches, it is recommended that the clear sealer/topcoat be applied following stain application.

There is no warranty on stains or items stained outside our facilities.

Important Note:

The clear sealer/topcoat includes UV inhibitors. Not all sealers/topcoats are clear, and using a formula from another source could alter the appearance and color of the wood.

Items needed to reproduce Glaze Finishes:

- Amaretto with Java Glaze
 - Cherry Amaretto Stain
 - Dark Brown Glaze
 - Clear Sealer/Topcoat
- Chiffon with Desert Glaze
 - Chiffon Paint
 - Medium Brown Glaze
 - Clear Sealer/Topcoat
- Chiffon with Tuscan Glaze
 - Chiffon Paint
 - Light Gray Glaze
 - Clear Sealer/Topcoat
- Cider with Java Glaze
 - Cherry Cider Stain
 - Dark Brown Glaze
 - Clear Sealer/Topcoat
- Cotton with Tuscan Glaze
 - Cotton Paint
 - Light Gray Glaze
 - Clear Sealer/Topcoat
- Hazelnut with Java Glaze
 - Maple Hazelnut Stain
 - Dark Brown Glaze
 - Clear Sealer/Topcoat
- Natural with Java Glaze
 - Dark Brown Glaze
 - Clear Sealer/Topcoat
- Oatmeal with Desert Glaze Finish on Maple
 - Medium Brown Glaze
 - Clear Sealer/Topcoat
- Paprika with Ebony Glaze
 - Cherry Paprika Stain
 - Charcoal Glaze
 - Clear Sealer/Topcoat
- Sable with Ebony Glaze
 - Maple Sable Stain
 - Charcoal Glaze
 - Clear Sealer/Topcoat
- Toffee with Java Glaze
 - Maple Toffee Stain
 - Dark Brown Glaze
 - Clear Sealer/Topcoat

Items needed to reproduce Accent Glaze Finishes:

- Chiffon with Desert Accent Glaze
 - Chiffon Paint
 - Medium Brown Glaze Marker
 - Clear Sealer/Topcoat
- Chiffon with Tuscan Accent Glaze
 - Chiffon Paint
 - Light Gray Glaze Marker
 - Clear Sealer/Topcoat
- Cotton with Tuscan Accent Glaze
 - Cotton Paint
 - Light Gray Glaze Marker
 - Clear Sealer/Topcoat
- Hazelnut with Java Accent Glaze
 - Hazelnut Stain
 - Sienna Glaze Marker
 - Clear Sealer/Topcoat
- Natural with Java Accent Glaze
 - Sienna (dark brown) Glaze Marker
 - Clear Sealer/Topcoat
- Sable with Ebony Accent Glaze
 - Maple Sable Stain
 - Charcoal (black) Glaze Marker
 - Clear Sealer/Topcoat
- Sedona with Ebony Accent Glaze
 - Maple Sedona Stain
 - Charcoal (black) Glaze Marker
 - Clear Sealer/Topcoat
- Toffee with Java Accent Glaze
 - Toffee Sable Stain
 - Sienna (dark brown) Glaze Marker
 - Clear Sealer/Topcoat

Framed Cabinet Specifications

General

1.01 Scope

1.01.01 The scope of this specification is to cover the design, construction and installation of all framed Merillat kitchen and vanity cabinetry.

1.02 Submittals

1.02.01 Supplier will furnish shop drawings, which are taken from the architect's drawings, specifically calling out the cabinet nomenclature and sizes. Supplier shall also submit floor plans and elevations for the cabinets showing layout, dimensions and details of installation.

1.02.02 Submit cabinet door samples with manufacturer's range of colors for selection by the architect.

1.02.03 Submit manufacturer's literature on cabinets.

2.0 Product

2.01 Cabinets shall be " " (specify door style) as manufactured by Masco Cabinetry LLC, P.O. Box 1946, Adrian, MI 49221. Size and type as required to meet configurations indicated on drawings.

2.02 Certification

2.02.01 Merillat® cabinetry carries the seal of the Kitchen Cabinet Manufacturers Association (KCMA) Certification Program, which assures that our cabinets meet or exceed the rigorous standards set by the American National Standards Institute (ANSI). Our cabinets are also independently tested to ANSI/KCMA A161.1-2000 and paragraph 611-1.1, "HUD Minimum Property Standards-Housing 4910.1" 9-8-86. Merillat Cabinetry demonstrates its commitment to environmental sustainability through meeting or exceeding the requirements as outlined in the Environmental Stewardship Program certification, administered by the KCMA.

All Merillat Cabinetry facilities have also obtained ISO 14001 certificate of approval, demonstrating our commitment to reducing the impact of operations on the environment.

2.03 Frame Materials-Case Construction

Depending on the door style selected, all Merillat Cabinetry cabinet frames shall be constructed of solid hardwood matched to the door and drawer front species. All veneered components shall be selected architectural grade hardwood veneer depending on style selected.

2.03.01 Frame Stiles/Rails

Cabinet frames shall have $\frac{3}{4}$ " thick x $1\frac{1}{2}$ " wide solid hardwood rail and stile members. Center stiles shall be $\frac{3}{4}$ " thick x 3" or 6" wide solid hardwood. All frame joints shall be reinforced and precisely aligned with two birch dowels bonded with adhesive or with two No. 7 x $1\frac{1}{4}$ " fillister head screws.

2.03.02 Standard End Panels

Standard wall, base and vanity cabinet end

panels shall be $\frac{3}{8}$ " thick industrial grade engineered wood covered inside and outside with a moisture- and stain-resistant, easy clean laminate with printed wood grain. White cabinet end panels shall be covered with a solid color moisture- and stain-resistant, easy clean laminate. Exposed top and bottom edges are foiled either with a natural maple or white finish. Tall cabinet end panels shall be $\frac{1}{2}$ " thick industrial grade engineered wood also laminated as previously described. End panels shall be machined to accept tops, bottoms, backs and corner gussets.

2.03.03 Standard Construction with Plywood End Panels

Oak, Cherry, Hickory and Maple plywood wall, base and vanity cabinet end panels shall be $\frac{3}{8}$ " thick industrial grade plywood. Exterior surface shall be laminated with furniture grade Maple, Cherry, Oak or Hickory veneer. Exterior surface is control-sanded for finishing, stained and wiped. After staining, the veneer surface is sealed and sanded to prepare the surface for the conversion topcoat, which creates a durable furniture-quality surface. The interior surface is covered with a moisture- and stain-resistant, easy clean laminate with printed wood grain. Tall cabinet plywood end panels shall be $\frac{1}{2}$ " thick industrial grade plywood finished and laminated the same as described for $\frac{3}{8}$ " end panels. End panels shall be machined to accept tops, bottoms, backs and corner gussets.

2.03.04 All Plywood Construction End Panels

Oak, Cherry, Hickory and Maple plywood wall, base, vanity and tall cabinet end panels shall be $\frac{1}{2}$ " thick industrial grade plywood. Exterior surface shall be laminated with furniture grade Maple, Cherry, Oak or Hickory veneer. Exterior surface is control-sanded for finishing, stained and wiped. After staining, the veneer surface is sealed and sanded to prepare the surface for the conversion topcoat, which creates a durable furniture-quality surface. The interior surface is covered with a moisture- and stain-resistant, easy clean laminate with printed wood grain. End panels shall be machined to accept tops, bottoms, backs and corner gussets.

2.03.05 Standard Construction Wall Tops/Bottoms

Wall cabinet tops and bottoms shall be $\frac{1}{2}$ " thick industrial grade engineered wood for extra strength and rigidity. Both sides shall be covered with a moisture- and stain-resistant, easy clean laminate with printed wood grain. White cabinet tops and bottoms shall be covered on both sides with a solid color moisture- and stain-resistant, easy clean laminate. A dado joint and adhesive shall be used to join the tops and bottoms to the end panels.

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2.03.06 **All Plywood Construction Wall Tops/Bottoms**
Wall cabinet tops and bottoms shall be $\frac{1}{2}$ " thick industrial grade plywood for extra strength and rigidity. Both sides shall be covered with a moisture- and stain-resistant, easy clean laminate with printed wood grain. A dado joint and adhesive shall be used to join the tops and bottoms to the end panels.

2.03.07 **Standard Base Tops/Bottoms**
Base cabinet bottoms shall be $\frac{1}{2}$ " thick industrial grade engineered wood for extra strength and rigidity. Bottoms shall be covered on the interior side only with a moisture- and stain-resistant, easy clean laminate with printed wood grain. White cabinet bottoms shall be covered on interior side only with a solid color moisture- and stain-resistant, easy clean laminate. A dado joint and adhesive shall be used to join the bottom to end panels. The upper portion of base cabinets shall be reinforced with $\frac{1}{2}$ " thick industrial grade engineered wood gussets in all four corners which help to maintain squareness.

2.03.08 **All Plywood Construction Base Tops/Bottoms**
Base cabinet bottoms shall be $\frac{1}{2}$ " thick industrial grade plywood for extra strength and rigidity. Bottoms shall be covered on the interior side only with a moisture- and stain-resistant, easy clean laminate with printed wood grain. A dado joint and adhesive shall be used to join the bottom to end panels. The upper portion of base cabinets shall be reinforced with $\frac{1}{2}$ " thick industrial grade plywood gussets in all four corners which help to maintain squareness.

2.03.09 **Standard Base/Vanity Backs**
Base and vanity cabinet back panels shall be $\frac{1}{4}$ " thick industrial grade engineered wood covered on the interior surface only with a moisture- and stain-resistant, easy clean laminate with printed wood grain that extend to floor. White base and vanity cabinet back panels shall be covered on interior surface only with a solid color moisture- and stain-resistant easy clean laminate. The back panel shall be retained by a dado in the end panels secured with adhesive. The top of base and vanity cabinets shall have an $1\frac{1}{16}$ " x $2\frac{1}{4}$ " solid pine (or Douglas Fir) screw rail retained by the same groove as the back panel in the end panels and secured with adhesive. The screw rail shall be grooved full length on the underside to accept the top edge of the back panel.

2.03.10 **All Plywood Construction Base/Vanity Backs**
Base and vanity cabinet back panels shall be $\frac{1}{4}$ " thick industrial grade plywood covered on the interior surface only with a moisture- and stain-resistant, easy clean laminate with printed wood grain that extend to floor. The back panel shall be retained by a dado in the end panels secured with adhesive. The top of base and vanity

cabinets shall have an $1\frac{1}{16}$ " x $2\frac{1}{4}$ " solid pine (or Douglas Fir) screw rail retained by the same groove as the back panel in the end panels and secured with adhesive. The screw rail shall be grooved full length on the underside to accept the top edge of the back panel.

2.03.11 **Standard Wall Backs**
Wall cabinet back panels shall be $\frac{3}{8}$ " thick industrial grade engineered wood covered on the interior surface only with a moisture- and stain-resistant, easy clean laminate with printed wood grain. White wall cabinet back panels shall be covered on interior surface only with a solid color moisture- and stain-resistant, easy clean laminate. Exposed top and bottom edges are foiled either with a natural maple or white finish. Wall cabinet back panels shall be retained by a dado in the end panels and secured with adhesive. For extra strength, full-length dados shall be machined in the back panel near the top and bottom edges same as the dados in the end panels to accept the top and bottom panels and shall be secured with adhesive and staples. Wall cabinet backs shall be additionally reinforced with $2\frac{3}{4}$ " wide x $\frac{3}{8}$ " thick-48 lb. density engineered wood full-length hang rails across the top and bottom held in place with staples and a $\frac{3}{8}$ " thick industrial grade engineered wood spacer centered on the rear side of cabinets 27" wide and wider secured with adhesive. Hang rails and spacer are fully concealed behind cabinet back panel.

2.03.12 **All Plywood Construction Wall Backs**
Wall cabinet back panels shall be $\frac{3}{8}$ " thick industrial grade plywood covered on the interior surface only with a moisture- and stain-resistant, easy clean laminate with printed wood grain. Wall cabinet back panels shall be retained by a dado in the end panels and secured with adhesive. For extra strength, full-length dados shall be machined in the back panel near the top and bottom edges same as the dados in the end panels to accept the top and bottom panels and shall be secured with adhesive and staples. Wall cabinet backs shall be additionally reinforced with $2\frac{3}{4}$ " wide x $\frac{3}{8}$ " thick plywood full-length hang rails across the top and bottom held in place with staples and a $\frac{3}{8}$ " thick industrial grade plywood spacer centered on the rear side of cabinets 27" wide and wider secured with adhesive. Hang rails and spacer are fully concealed behind cabinet back panel.

2.03.13 **Standard Tall Backs**
Tall cabinet back panels shall be $\frac{1}{4}$ " thick industrial grade engineered wood covered on the interior surface only with a moisture- and stain-resistant, easy clean laminate with printed wood grain. White tall cabinet back panels shall be covered on interior surface only with a solid

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- color moisture- and stain-resistant, easy clean laminate. Pantry Cabinet (PC) and 36" wide Utility cabinet (U) back panels shall be $\frac{3}{8}$ " thick industrial grade engineered wood laminated on the interior surface only. Tall cabinet back panels shall be retained by a rabbet in the end panels secured with staples and adhesive. The back panel shall be secured to the top panel, fixed shelf and bottom panel with staples. Tall cabinets with $\frac{1}{4}$ " thick back panels shall be additionally reinforced with four 2 $\frac{3}{4}$ " wide x $\frac{1}{4}$ " thick industrial grade engineered wood full-width rails held in place with adhesive.
- 2.03.14 **All Plywood Construction Tall Backs**
Tall cabinet back panels shall be $\frac{1}{4}$ " thick industrial grade plywood covered on the interior surface only with a moisture- and stain-resistant, easy clean laminate with printed wood grain. Pantry Cabinet (PC) and 36" wide Utility cabinet (U) back panels shall be $\frac{3}{8}$ " thick industrial grade plywood laminated on the interior surface only. Tall cabinet back panels shall be retained by a rabbet in the end panels secured with staples and adhesive. The back panel shall be secured to the top panel, fixed shelf and bottom panel with staples. Tall cabinets with $\frac{1}{4}$ " thick back panels shall be additionally reinforced with four 2 $\frac{3}{4}$ " wide x $\frac{1}{4}$ " thick industrial grade plywood full-width rails held in place with adhesive.
- 2.03.15 **Standard Wall Shelves**
All wall cabinets 24" (actual height is 23 $\frac{1}{2}$ ") and higher shall have adjustable shelves made of $\frac{3}{4}$ " thick industrial grade engineered wood. Shelves shall be covered on both sides with a moisture- and stain-resistant, easy clean laminate with printed wood grain. Shelves in White wall cabinets shall be covered on both sides with a moisture- and stain-resistant, easy clean laminate. The front edge shall be laminated with matching melamine edge banding. The cabinet end panels shall be drilled for shelf supports adjustable on 2 $\frac{1}{2}$ " increments. Shelves are designed to support 15 lbs. per square foot, **not** to exceed 50 lbs. per shelf. Adjustable shelves shall be supported at each corner with a locking clear polycarbonate shelf clip. 30" wide and wider wall cabinet shelves shall also be supported with a non-locking clear polycarbonate shelf clip installed in the cabinet frame center stile (**not** applicable in butt door cabinets).
- 2.03.16 **All Plywood Construction Wall Shelves**
All wall cabinets 24" (actual height is 23 $\frac{1}{2}$ ") and higher shall have adjustable shelves made of $\frac{3}{4}$ " thick industrial grade plywood. Shelves shall be covered on both sides with a moisture- and stain-resistant, easy clean laminate with printed wood grain. The front edge shall be laminated with matching melamine edge banding.
- The cabinet end panels shall be drilled for shelf supports adjustable on 2 $\frac{1}{2}$ " increments. Shelves are designed to support 15 lbs. per square foot, **not** to exceed 50 lbs. per shelf. Adjustable shelves shall be supported at each corner with a locking clear polycarbonate shelf clip. 30" wide and wider wall cabinet shelves shall also be supported with a non-locking clear polycarbonate shelf clip installed in the cabinet frame center stile (**not** applicable in butt door cabinets).
- 2.03.17 **Standard Toeboard Backers**
Toeboard backers shall be a minimum of $\frac{1}{2}$ " thick industrial grade engineered wood extending from the floor to the bottom cabinet. This **not** only supports the cabinet bottom but also effectively seals the toespace against vermin and insects.
- 2.03.18 **All Plywood Construction Toeboard Backers**
Toeboard backers shall be a minimum of $\frac{1}{2}$ " thick industrial grade plywood extending from the floor to the cabinet bottom. This **not** only supports the cabinet bottom but also effectively seals the toespace against vermin and insects.
- 2.03.19 **Special Base Cabinets**
Base Corner Revolving and Base Lazy Susan cabinets have two 28" diameter revolving high impact white plastic shelves with reinforced bottoms, to provide 7.5 square feet of storage, with finger-tip accessibility. Base Corner Revolving Wood Lazy Susan have two 32" diameter revolving wood shelves. Base Corner Revolving and Base Corner Revolving Wood Lazy Susan shelves rotate independently. Base Lazy Susan cabinet shelves rotate together with the door attached. Shelves are designed to support 15 lbs. per square foot, **not** to exceed 50 lbs. per shelf.
- 2.04 **Drawer Construction**
- 2.04.01 **Drawer Cores**
Standard drawer cores use a $\frac{3}{4}$ " extension side-mount dual-captive roller drawer slide system with a load capacity rating of 75 lbs. and shall have $\frac{1}{2}$ " thick industrial grade engineered wood sides that are attached to the $\frac{1}{2}$ " thick industrial grade engineered wood front and back. Standard drawer interior height is 3 $\frac{5}{8}$ "; base cabinet inside front-to-back depth is 20 $\frac{11}{16}$ ". Avenue, Bayville, Bellingham, Cannonsburg, Fox Harbor, Fusion, Glen Arbor, LaBelle, Lariat, Portrait, Ralston, Seneca Ridge, Somerton Hill, Spring Valley, Sutton Cliffs, and Tolani drawer core sides, front and back shall be covered on the interior and exterior surfaces with a moisture- and stain-resistant, easy clean laminate with printed natural maple wood grain. Arbor Falls II and Whitebay II drawer core sides, front

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and back shall be covered on the interior and exterior surfaces with a moisture- and stain-resistant, easy clean solid white color laminate. The top edges of drawer core sides, front and back shall be square and laminated with matching melamine edge banding. Drawer sides shall be rabbeted on each end to receive the front and back. Joints shall be secured with adhesive and staples. Standard drawers are **not** available in All Plywood Construction.

2.04.02 **Drawer Bottoms**

Drawer bottoms shall be $\frac{1}{4}$ " thick industrial grade engineered wood covered on the interior side only with a moisture-and-stain resistant, easy to clean laminate with printed natural maple wood grain to match the drawer core. Arbor Falls II and Whitebay II drawer bottom panels shall be covered with a moisture-and-stain resistant, easy to clean solid white color laminate to match the drawer core. For additional support, drawers 30" and wider shall use $\frac{3}{8}$ " thick industrial grade engineered wood bottom panel covered with laminate on the interior side that matches the drawer core. Bottoms shall be attached to the drawer core with adhesive and staples. Does **not** apply to All Plywood Construction.

2.04.03 **Dovetail Drawers**

(Standard with All Plywood Construction)
Dovetail drawers use a full extension concealed under-mount slide system with an integrated SoftAction+™ closing mechanism that allows even fully loaded drawers to close gently. As an added feature, the slide system provides the ability to adjust the drawer up or down at the front corners. Slides have a load capacity rating of 75lbs. Drawer cores shall have $\frac{3}{4}$ " thick glued-up solid hardwood sides, front and back finished with a durable sealer and topcoat joined at all four corners with a precision traditional half-blind dovetail joint secured with adhesive. The drawer core bottom panel shall be 3-ply 5.2mm thick plywood finished with a moisture- and stain-resistant, easy clean laminate on the interior surface printed to match the drawer core sides, front and back. The bottom panel is captured in a dado on all four edges machined into the sides, front and back. Drawers 30" and wider include a $\frac{3}{8}$ " thick solid hardwood cleat running front-to-back attached to the underside of the drawer bottom panel for additional support. These drawers have a capacity rating of 75 lbs. The drawer side interior height is $3\frac{5}{16}$ ". Base cabinet inside front-to-back drawer depth is $19\frac{1}{4}$ "; vanity cabinet inside front-to-back drawer depth is $16\frac{5}{16}$ ". Vanity space saver cabinet inside front-to-back drawer depth is $13\frac{11}{32}$ ".

2.04.04 **Standard Roll-Out Trays**

Most standard base cabinets are available with roll-out trays. Trays use a $\frac{3}{4}$ " extension side-mount dual-captive roller drawer slide system with a load capacity rating of 75lbs. Tray sides and back shall be $\frac{1}{2}$ " thick industrial grade engineered wood. Avenue, Bayville, Bellingham, Cannonsburg, Fox Harbor, Fusion, Glen Arbor, LaBelle, Lariat, Portrait, Ralston, Seneca Ridge, Somerton Hill, Spring Valley, Sutton Cliffs and Tolani tray sides and back shall be covered on the interior and exterior surfaces with a moisture- and stain-resistant, easy clean laminate with printed natural maple wood grain. Arbor Falls II and Whitebay II tray sides and back shall be covered on the interior and exterior surfaces with a moisture- and stain-resistant, easy clean solid white color laminate. Top edges of the tray sides and back shall be square and laminated with matching melamine edge banding. The tray sides shall be rabbeted on each end to receive the front and back. Avenue, Bayville, Bellingham, Cannonsburg, Fox Harbor, Fusion, Glen Arbor, LaBelle, Lariat, Portrait, Ralston, Seneca Ridge, Somerton Hill, Spring Valley, Sutton Cliffs and Tolani tray fronts shall be $\frac{3}{4}$ " thick solid hardwood finished on the front and top with a tough coating of heat activated conversion varnish which is impervious to household chemicals. Arbor Falls II and Whitebay II tray fronts shall be $\frac{3}{4}$ " thick solid hardwood finished on the front, top and back with heat activated white paint. Tray fronts shall be rabbeted on each end to receive the sides and along the bottom edge to receive the bottom. All four corners of the tray shall be joined with staples. The roll-out tray bottom panel shall be $\frac{1}{4}$ " thick industrial grade engineered wood covered on the interior side only with a moisture-and-stain resistant, easy clean laminate with printed natural maple wood grain to match the tray core. Arbor Falls II and Whitebay II tray bottom panels shall be covered with a moisture-and-stain resistant, easy clean solid white color laminate to match the tray core. Bottoms shall be attached to the tray core with adhesive and staples. Interior height is $1\frac{5}{8}$ " along all four edges; base cabinet roll-out tray inside front-to-back depth is $20\frac{11}{16}$ ".

2.04.05 **Solid Wood Roll-Out Trays**

Note: Available in All Plywood Construction base cabinets only (**not** available in Arbor Falls II or Whitebay II door styles) Most base cabinets are available with wood roll-out trays. Trays use a $\frac{3}{4}$ " extension side-mount dual-captive roller drawer slide system with a load capacity rating of 75lbs. Tray sides and back shall be $\frac{1}{2}$ " thick solid wood, finished with a durable sealer and top coat. The tray sides shall be rabbeted on each end to receive the front and back. Tray

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fronts shall be $\frac{3}{4}$ " thick solid hardwood finished on the front and top with a tough coating of heat activated conversion varnish which is impervious to household chemicals. Tray fronts shall be rabbeted on each side to receive the sides and along the bottom edge to receive the bottom panel. All four corners of the tray shall be joined with adhesive and staples. The tray bottom panel shall be 3-ply 5.2mm thick plywood covered on the interior side with a moisture-and-stain resistant, easy clean laminate with printed natural maple wood grain to match the tray core. For additional support, roll-out trays 30" and wider shall use $\frac{3}{8}$ " thick industrial grade plywood bottom panel covered with laminate on the interior side that matches the tray core. Bottom shall be attached to the tray core with adhesive and staples. Interior height is $1\frac{5}{8}$ " along all four edges; base cabinet roll-out tray inside front-to-back depth is $20\frac{11}{16}$ "

2.04.06 **Deep Roll-out Trays**

Most base cabinets are available with deep roll-out trays installed. Deep roll-out trays shall have $\frac{1}{2}$ " thick glued-up solid hardwood sides, fronts and backs finished with a durable sealer and topcoat. A $1\frac{15}{16}$ " deep scalloped finger pull cutout shall be machined at the tray front mid-point. Tray side interior height is $3\frac{3}{16}$ ", inside front-to-back depth is $20\frac{11}{16}$ ". Sides, back and front are half-blind dovetail joint secured with adhesive. The tray bottom shall be 3-ply 5.2mm thick plywood with a moisture- and stain-resistant, easy clean laminate on the interior surface printed to match the sides, front and back. The bottom is captured in a dado within the sides, front and back. Deep roll-out trays 30" and wider use a $\frac{3}{8}$ " thick solid wood bottom cleat mounted front-to-back attached to the tray bottom underside for additional support. All deep roll-out trays shall use a $\frac{3}{4}$ " extension side-mount dual-captive roller drawer slide system except for BSD30B 2DF and BSD36B 2DF cabinets which use a full extension side mount ball bearing slide system utilizing adjustable rear support adapters. Both systems have a load capacity rating of 75 lbs.

2.04.07 **Standard Base Shelves**

Most base cabinets are available with half-depth or full-depth adjustable shelves. Shelves shall be $\frac{3}{4}$ " thick industrial grade engineered wood. Full-depth shelves shall be covered on both sides with a moisture- and stain-resistant, easy clean laminate with printed wood grain matching the cabinet interior. Half-depth shelves are laminated on the top surface only and **not** on the underside. White cabinet shelves shall be covered with a solid color moisture- and stain-resistant, easy clean laminate matching the cabinet

interior. The front edge shall be laminated with matching melamine edge banding. Again, half-depth shelves are laminated on the top side only. All half-depth shelves 27" or wider shall have a matching plywood support cleat across the front underside for additional strength. Base cabinet end panels shall be drilled for clear polycarbonate shelf supports on $2\frac{1}{2}$ " increments. Shelves are designed to support 15 lbs. per square foot, **not** to exceed 50 lbs. per shelf.

2.04.08 **All Plywood Construction Base Shelves**

Most base cabinets are available with half-depth or full-depth adjustable shelves. Shelves shall be $\frac{3}{4}$ " thick industrial grade plywood. Full-depth shelves shall be covered on both sides with a moisture- and stain-resistant, easy clean laminate with printed wood grain matching the cabinet interior. Half-depth shelves are laminated on the top surface only and **not** on the underside. The front edge shall be laminated with matching melamine edge banding. Again, half-depth shelves are laminated on the top side only. All half-depth shelves 27" or wider shall have a matching plywood support cleat across the front underside for additional strength. Base cabinet end panels shall be drilled for clear polycarbonate shelf supports on $2\frac{1}{2}$ " increments. Shelves are designed to support 15 lbs. per square foot, **not** to exceed 50 lbs. per shelf.

2.04.09 **Drawer & Roll-out Tray Slides**

The $\frac{3}{4}$ " extension side-mount dual-captive roller drawer slide system shall be used on all standard Merillat drawers, roll-out trays, solid wood trays for All Plywood Construction and deep roll-out trays. The system shall consist of a pair of epoxy-coated 1.25mm steel slides that roll on close-tolerance nylon wheels. The support channel half of the slide system shall be mounted to the front frame of the cabinet with a screw and into an adjustable plastic rear mounting bracket on the interior side of the cabinet back panel. The drawer and tray core half of the slide system shall be attached to the front and back of the core with screws. The "L" shaped bottom of this member wraps around the bottom of the core to reinforce it and provide a finished edge. This dual-captive epoxy coated steel drawer system and integrated rear mounting bracket supports the drawer and roll-out tray to a load capacity rating of 75 lbs. **All slides have a lifetime limited guarantee to the original purchaser.**

2.05 **Door and Drawer Front Construction**

2.05.01 **Avenue Doors**

Avenue doors have $\frac{3}{4}$ " x $2\frac{3}{16}$ " frame components hand selected for uniform and pleasing grain patterns. These solid wood stiles and rails

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are joined at each corner with open mortise-and-tenon joints bonded with adhesive. The outside front edges of the frame are slightly beveled and the back edges are rounded. Frame inside edges are beveled at 25° as an added visual effect. The flat center panel is $\frac{5}{32}$ " thick plywood with plain-sliced cherry or maple veneer and decorative vertical v-grooves spaced on 1 $\frac{1}{2}$ " centers on the face side. The center panel is retained by a groove machined in the frame stiles and rails. Doors shall have pliable bumpers to dampen closure noise.

2.05.02 Avenue Drawer

Avenue drawer fronts shall be $\frac{3}{4}$ " thick glued-up solid wood selected for uniform and pleasing grain patterns. The outside front edges are slightly beveled and the back edges are rounded. Drawer fronts shall have pliable bumpers to dampen closure noise.

2.05.03 Avenue w/5-Piece Drawer

Avenue with 5-Piece Drawer Front Option drawer fronts have $\frac{3}{4}$ " x 2 $\frac{3}{16}$ " frame components hand selected for uniform and pleasing grain patterns. These solid wood stiles and rails are joined at each corner with open mortise-and-tenon joints bonded with adhesive. The outside front edges of the frame are slightly beveled and the back edges are rounded. Frame inside edges are beveled at 25° as an added visual feature. The flat center panel is $\frac{7}{16}$ " thick-48 lb. density engineered wood with plain-sliced veneer and decorative vertical v-grooves spaced on 1 $\frac{1}{2}$ " centers on the face side. The panel has molded edges retained by a groove machined in the inside edges of the drawer front frame. Drawer fronts shall have pliable bumpers to dampen closure noise. Desk Knee Drawer (DKD) and Desk Knee Drawer Trimmable (DKDT) fronts shall be $\frac{3}{4}$ " thick glued-up solid wood selected for uniform and pleasing grain patterns. The outside front edges are slightly beveled and the back edges are rounded.

2.05.04 Arbor Falls II & Whitebay II Doors and Drawers

Arbor Falls II and Whitebay II doors and drawer fronts are $\frac{3}{4}$ " thick-52 lb. furniture grade Medium Density Fiberboard (MDF). The one-piece Medium Density Fiberboard is precision machined to exact tolerances. The component is laminated on the front side with a 12 mil vinyl foil that is thermo-formed to the door and drawer front face. The back of the component is laminated with water and abrasion resistant white melamine. Both surfaces have been developed to provide the maximum opacity and resistant to abrasion, water and household chemicals and yellowing. Arbor Falls II doors and drawer fronts have an integrated finger pull on all four edges making decorative hardware optional. Whitebay

II doors and drawer fronts have a 90° return with no bevel requiring decorative hardware.

2.05.05 Fox Harbor, Spring Valley, Seneca Ridge and Sutton Cliffs Doors

Fox Harbor, Spring Valley, Seneca Ridge and Sutton Cliffs doors shall have $\frac{3}{4}$ " thick x 2 $\frac{3}{16}$ " wide frame components hand selected for uniform and pleasing grain patterns. These solid hardwood stiles and rails shall be joined at the four corners with open mortise-and-tenon joints. The joints shall be bonded with adhesive. The frame shall be molded with a single bead detail on the inside edges and a coved/reverse bevel of 15° shall be machined on the top and bottom edges to serve as a finger grip. Sides shall have a square edge profile. Spring Valley will have a $\frac{5}{32}$ " thick plywood flat center panel with plain-sliced red oak, cherry, hickory or maple veneer on the face side that is retained by a groove machined in the frame. Seneca Ridge will have a raised plain-sliced veneer red oak, cherry or maple center panel that consists of industrial grade engineered wood core with its edges machined in a coved shape. The front and back of the panel shall be covered with select hardwood veneers. The veneer shall be bonded to the substrate using adhesive, heat and pressure. Sutton Cliffs will have a raised center panel and shall consist of a $\frac{5}{8}$ " solid hardwood glued-up panel with its edges machined in a coved shape. The panel is retained by a groove machined in the inside edge of the door frame. Prior to assembly of the door frame, foam expansion pads placed in the grooves of the rails and stiles. This construction shall provide a strong door that resists the expansion, shrinkage and splitting associated with other types of raised panels. As with all solid wood products, grain and wood color variations are inherent properties of wood. Doors shall have pliable bumpers to dampen closure noise.

Note: Arch wall cabinets are available and can be used with square raised panel base cabinets to design a more elegant, formal kitchen. Arch doors are constructed the same as the square raised panel doors, except for a 3 $\frac{3}{16}$ " (arch widest point) top rail which is shaped in a single arch configuration. The raised center panel is machined to match. Seneca Ridge, Sutton Cliffs and Spring Valley arch doors are also available on the top door of tall cabinets.

2.05.06 Glen Arbor, Spring Valley, Seneca Ridge and Sutton Cliffs Drawers

Glen Arbor, Spring Valley, Seneca Ridge and Sutton Cliffs drawer fronts shall be $\frac{3}{4}$ " thick glued-up, solid hardwood selected for uniform and pleasing grain patterns. Drawer fronts have a coved/reverse bevel machined on the top and

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- bottom edges to serve as a finger grip making decorative hardware optional. Sides shall be machined with a cove/square edge profile. Drawer fronts shall have pliable bumpers to dampen closure noise.
- 2.05.07 **Fox Harbor Drawer**
Fox Harbor drawer fronts shall be $\frac{3}{4}$ " thick glued-up, solid hardwood selected for uniform and pleasing grain patterns. Drawer fronts have a decorative single bead profile with a 90° return on all four perimeter edges, requiring decorative hardware. Drawer fronts shall have pliable bumpers to dampen closure noise.
- 2.05.08 **Ralston Drawer**
Ralston drawer fronts shall be $\frac{3}{4}$ " thick glued-up, solid hardwood selected for uniform and pleasing grain patterns. Drawer fronts have a decorative double bead profile with a 90° return on all four perimeter edges, requiring decorative hardware. Drawer fronts shall have pliable bumpers to dampen closure noise.
- 2.05.09 **Ralston w/5-Piece Drawer**
Ralston standard height 5-Piece Drawer Front Option drawer fronts have $\frac{3}{4}$ " x 3" stiles and $\frac{3}{4}$ " x 1 $\frac{1}{2}$ " rails hand selected for uniform and pleasing grain patterns. These solid wood drawer front frames are joined at each corner with open mortise-and-tenon joints secured with adhesive and pins. The outside and inside frame edges shall have a double bead profile with a 90° return on all four perimeter edges, requiring decorative hardware. The flat center panel is glued-up solid wood with molded edges retained by a groove machined in the inside edges of the drawer front frame. Desk Knee Drawer (DKD) and Desk Knee Drawer Trimmable (DKDT) drawer fronts shall be constructed the same as standard height drawer fronts. Drawer fronts 9 $\frac{3}{4}$ " tall and taller shall be constructed the same as the standard height drawer fronts except the frame stiles and rails shall both be 3" wide. As with all solid wood products, grain and wood color variations are inherent of wood. Drawer fronts shall have pliable bumpers to dampen closure noise.
- 2.05.10 **Ralston Doors**
Ralston doors have $\frac{3}{4}$ " x 3" stile and rail frame components hand selected for uniform and pleasing grain patterns. These solid wood stiles and rails are joined at each corner with open mortise-and-tenon joints secured with adhesive and pins. The outside and inside frame edges shall have complimenting double bead profiles with a 90° return on all four perimeter edges, requiring decorative hardware. The flat center panel is $\frac{5}{32}$ " thick plywood with plain-sliced veneer on the face side and is retained by a groove machined in the inside edges of the door frame. Doors shall have pliable bumpers to dampen closure noise.
- 2.05.11 **Somerton Hill Doors**
Somerton Hill doors shall have $\frac{3}{4}$ " thick x 2 $\frac{3}{16}$ " wide frame components hand selected for uniform and pleasing grain patterns. These solid hardwood stiles and rails shall be joined at the four corners with open mortise-and tenon joints. The joints shall be bonded with adhesive. The frame shall be molded with a single bead detail on the inside edges and a decorative two-step profile with a 90° return on all four perimeter edges, requiring decorative hardware. The raised center panel shall consist of a $\frac{5}{8}$ " thick solid hardwood glued-up panel with its perimeter edges machined in a decorative coved shape with a decorative bead. The panel shall be retained by a groove machined in the inside edges of the door frame. Prior to assembly of the door frame, foam expansion pads are to be placed in the grooves of the stiles and rails. This construction provides a strong door that resists the expansion, shrinkage and splitting associated with other types of raised panels. As with all solid wood products, grain and wood color variations are inherent properties of wood. Doors shall have pliable bumpers to dampen closure noise. **Note:** Arch wall cabinets are available and can be used with square raised panel base cabinets to design a more elegant, formal kitchen. Arch doors are constructed the same as the square raised panel doors, except for a 3 $\frac{3}{16}$ " (arch widest point) wide top rail which is shaped in a single arch configuration. The raised center panel is machined to match. Somerton Hill arch doors are also available on top doors of tall cabinets.
- 2.05.12 **Somerton Hill Drawer**
Somerton Hill drawer fronts shall be $\frac{3}{4}$ " thick glued-up, solid hardwood selected for uniform and pleasing grain patterns. Drawer fronts have a decorative two-step profile with a 90° return on all four perimeter edges, requiring decorative hardware. Drawer fronts shall have pliable bumpers to dampen closure noise.
- 2.05.13 **Cannonsburg, Portrait and Tolani Doors**
Portrait doors shall have $\frac{3}{4}$ " x 2 $\frac{3}{16}$ " stile and rail frame components hand selected for uniform and pleasing grain patterns. Cannonsburg and Tolani doors shall have $\frac{3}{4}$ " x 2 $\frac{7}{8}$ " hand selected frame components. These solid wood stiles and rails are joined at each corner with open mortise-and-tenon joints secured with adhesive and pins. The outside front edges of the frame are slightly beveled and the back edges are rounded. Portrait and Tolani frame inside edges are beveled at 25° as an added visual feature. All three doors have a flat center panel which is $\frac{5}{32}$ " thick

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plywood with plain-sliced veneer on the face side and is retained by a groove machined in the inside edges of the door frame.

Cannonsburg doors shall have a matching decorative molding frame with mitered corners secured to the face of the center panel with glue and with pins through the back of the center panel eliminating unsightly pin holes on the face of the molding. The molding is $\frac{15}{16}$ " wide x $\frac{5}{8}$ " thick with a multiple beaded profile. The miter joints of the molding frame are secured with two v-shaped nails in each corner. Doors shall have pliable bumpers to dampen closure noise.

2.05.14 Cannonsburg, Portrait and Tolani Drawer

Cannonsburg, Portrait and Tolani drawer fronts shall be $\frac{3}{4}$ " thick glued-up solid wood selected for uniform and pleasing grain patterns. The outside front edges are slightly beveled and the back edges are rounded. Drawer fronts shall have pliable bumpers to dampen closure noise.

2.05.14.5 Tolani w/3-Piece Drawer

Tolani with 3-Piece Drawer Front Option drawer fronts shall be made from $\frac{3}{4}$ " thick solid wood selected from uniform and pleasing grain patterns. The center section shall have horizontal grain and the 2 $\frac{7}{8}$ " wide end stiles shall have vertical grain for an added visual feature. The center section and stiles shall be joined with open mortise-and-tenon joints bonded with adhesive and secured with pins on the backside just like a Tolani door stile/rail joint. The outside front edges are slightly beveled and the back edges are rounded. Drawer fronts shall have pliable bumpers to dampen closure noise.

2.05.15 Cannonsburg w/5-Piece Drawer

Cannonsburg with 5-Piece Drawer Front Option standard height drawer fronts shall have $\frac{3}{4}$ " thick solid wood frames consisting of 2 $\frac{7}{8}$ " wide stiles and 1 $\frac{1}{2}$ " wide rails hand selected for uniform and pleasing grain patterns. Drawer fronts 9 $\frac{3}{4}$ " tall and taller shall have 2 $\frac{7}{8}$ " wide stiles and rails. These stiles and rails are joined at each corner with open mortise-and-tenon joints secured with adhesive and pins. The outside front edges of the frame are slightly beveled and the back edges are rounded. The flat center panel is glued-up solid wood with molded edges retained by a groove machined in the inside edges of the drawer front frame. As with all solid wood products, grain and wood color variations are inherent of wood. These same drawer fronts shall have a matching decorative molding frame with mitered corners secured to the face of the center panel with glue and with pins through the back of the center panel eliminating unsightly pin holes on the face of the molding. The molding is $\frac{15}{16}$ " wide x $\frac{5}{8}$ " thick

with a multiple beaded profile. The miter joints of the molding frame are secured with two v-shaped nails in each corner. Desk Knee Drawer (DKD) and Desk Knee Drawer Trimmable (DKDT) drawer fronts shall be $\frac{3}{4}$ " thick glued-up solid wood selected for uniform and pleasing grain patterns. The outside front edges are slightly beveled and the back edges are rounded. Drawer fronts shall have pliable bumpers to dampen closure noise.

2.05.16 Fusion Doors

Fusion doors shall be constructed of $\frac{3}{4}$ " thick industrial grade engineered wood laminated on two sides with maple or cherry "A" grade, plain sliced veneer. Grain direction to be vertical on front and back sides. The edges shall be laminated with matching 3.0 millimeter thick, 6-ply veneer edge banding. Edge banding on the vertical edges of doors shall run full-length and overlap the edges of the horizontal edge banding. Finger joints shall be permitted in the edge banding. Sharp edges are broken during finish sanding. Wall Glass Doors shall have $\frac{3}{4}$ " x 2 $\frac{3}{16}$ " solid maple or cherry frame components hand selected for uniform and pleasing grain patterns. These frame stiles and rails shall be joined at each corner with open mortise-and-tenon joints bonded with adhesive and secured with pins. The outside and inside edges are profiled the same as Portrait doors with the front outside edges slightly beveled, the back outside edges rounded and the inside edges beveled at 25° as an added visual feature. All doors shall have pliable bumpers to dampen closure noise.

2.05.17 Fusion Drawers

Fusion drawer fronts have the same veneered construction as Fusion doors except the grain direction runs horizontally on both sides and edge banding on the horizontal edges shall run full-length overlapping the edges of the vertical edge banding which is the reverse of the door. Drawer fronts shall have pliable bumpers to dampen closure noise.

2.05.18 Lariat Doors

Lariat doors have $\frac{3}{4}$ " x 2 $\frac{1}{2}$ " wide solid wood frame components selected for uniform and pleasing grain patterns. These solid wood stiles and rails shall be joined at the four corners with mitered joints secured with adhesive and a full-length metal fastener. A decorative bead shall be molded around both the inside and outside frame perimeter. Recessed next to the inside bead is a half-round $\frac{3}{8}$ " wide wood rope molding mitered at the corners and secured with pins. The remaining front surface of the frame is flat. The flat center panel is $\frac{5}{32}$ " thick plywood with plain-sliced cherry or maple veneer on the face side and is retained by a groove machined in the frame components. Doors shall have pliable

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bumpers to dampen closure noise. Lariat doors cannot be field modified for glass panels due to the full-length metal fasteners used to secure each miter joint.

2.05.19 **Lariat Drawers**

Lariat drawer fronts have $\frac{3}{4}$ " x $2\frac{1}{2}$ " wide solid wood frame components selected for uniform and pleasing grain patterns. These solid wood stiles and rails shall be joined at the four corners with mitered joints secured with adhesive and corrugated nails. A decorative bead shall be molded around both the inside and outside frame perimeter. Recessed next to the inside bead is a half-round $\frac{3}{8}$ " wide wood rope molding mitered at the corners and secured with pins. The remaining front surface of the frame is flat. The flat center panel is glued-up solid wood with molded edges retained by a groove machined in the inside of the drawer front frame. Prior to assembly of the drawer front frame, pliable spacers are placed in the rail and stile grooves. This construction provides a strong drawer front that resists the expansion, shrinkage and splitting associated with other types of solid center panels. Drawer fronts shall have pliable bumpers to dampen closure noise. Desk Knee Drawer (DKD) and Desk Knee Drawer Trimmable (DKDT) fronts shall be constructed the same except the frame is $1\frac{1}{2}$ " wide.

2.05.20 **Bayville Doors**

Bayville doors have $\frac{3}{4}$ " x $2\frac{1}{2}$ " wide solid wood frame components selected for uniform and pleasing grain patterns. These solid wood stiles and rails shall be joined at the four corners with mitered joints secured with adhesive and a full-length metal fastener. A decorative bead shall be molded around both the inside and outside frame perimeter, along with a domed profile connecting the two beads. The flat center panel is $\frac{5}{32}$ " thick plywood with plain-sliced cherry or maple veneer on the face side and is retained by a groove machined in the frame components. Doors shall have pliable bumpers to dampen closure noise. Bayville doors cannot be field modified for glass panels due to the full-length metal fasteners used to secure each miter joint.

2.05.21 **Bayville Drawers**

Bayville drawer fronts have $\frac{3}{4}$ " x $2\frac{1}{2}$ " wide solid wood frame components selected for uniform and pleasing grain patterns. These solid wood stiles and rails shall be joined at the four corners with mitered joints secured with adhesive and corrugated nails. A decorative bead shall be molded around both the inside and outside frame perimeter, along with a domed profile connecting the two beads. The flat center panel is glued-up solid wood with molded edges retained by a groove machined in the inside of

the drawer front frame. Drawer fronts shall have pliable bumpers to dampen closure noise. Desk Knee Drawer (DKD) and Desk Knee Drawer Trimmable (DKDT) fronts shall be constructed the same except the frame is $1\frac{1}{2}$ " wide.

2.05.22 **Bellingham and LaBelle Doors**

Bellingham and LaBelle doors have $\frac{3}{4}$ " x $2\frac{3}{16}$ " wide solid wood frame components selected for uniform and pleasing grain patterns. These solid wood stiles and rails shall be joined at the four corners with mitered joints secured with adhesive and a full-length metal fastener. A decorative double bead shall be molded around the inside frame perimeter and a decorative single bead shall be molded around the outside frame perimeter. The remaining front surface of the frame is flat. LaBelle raised center panel shall consist of a $\frac{7}{16}$ " solid hardwood glued-up panel with its edges machined in a beveled shape. The panel is retained in a groove machined in the inside edges of the door frame. Prior to assembly of the door frame, pliable spacers are placed in the frame grooves. This construction shall provide a strong door that resists the expansion, shrinkage and splitting associated with others types of raised panels. Bellingham doors have a flat center panel that is $\frac{5}{32}$ " thick plywood with plain-sliced cherry or maple veneer on the face side and is retained by a groove machined in the frame components. As with all solid wood products, grain and wood color variations are inherent of wood. Doors shall have pliable bumpers to dampen closure noise. Bellingham and LaBelle doors cannot be field modified for glass panels due to the full-length metal fasteners used to secure each miter joint.

2.05.23 **Bellingham and LaBelle Drawers**

Bellingham and LaBelle drawer fronts have $\frac{3}{4}$ " x $2\frac{3}{16}$ " wide solid wood frame components selected for uniform and pleasing grain patterns. These solid wood stiles and rails shall be joined at the four corners with mitered joints secured with adhesive and corrugated nails. A decorative double bead shall be molded around the inside frame perimeter and a decorative single bead shall be molded around the outside frame perimeter. The remaining front surface of the frame is flat. Standard height drawer fronts shall have a recessed flat center panel of glued-up solid wood with molded edges retained by a groove machined in the inside edges of the drawer front frame. LaBelle deep drawer fronts found on cabinets like BD -3D and BD -4D have a raised center panel consisting of a $\frac{3}{4}$ " solid hardwood panel with its edges machined in a beveled shape and is also

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retained in a groove machined in the inside edges of the drawer front frame. Prior to assembly of the LaBelle drawer front frame, pliable spacers are placed in the rail and stile grooves providing a strong drawer front assembly that resists the expansion, shrinkage and splitting associated with other types of solid center panels. As with all solid wood products, grain and wood color variations are inherent of wood. Drawer fronts shall have pliable bumpers to dampen closure noise. Desk Knee Drawer (DKD) and Desk Knee Drawer Trimmable (DKDT) fronts shall be constructed the same way as standard height drawer fronts with a recessed flat center panel except the frame is 1 1/2" wide.

2.05.24 **Glen Arbor Doors**

Glen Arbor doors have 3/4" x 2 3/16" wide solid wood frame components selected for uniform and pleasing grain patterns. These solid wood stiles and rails shall be joined at the four corners with mitered joints secured with adhesive and a full length metal fastener. A decorative double bead shall be molded around the inside frame perimeter and coved/90° return shall be machined around the perimeter of all four edges. Decorative hardware is optional. Glen Arbor doors have a flat center panel that is 5/32" thick plywood with plain-sliced red oak, cherry or maple veneer on the face side and is retained by a groove machined in the frame components. As with all solid wood products, grain and wood color variations are inherent of wood. Doors shall have pliable bumpers to dampen closure noise. Glen Arbor doors cannot be field modified for glass panels due to the full-length metal fasteners used to secure each miter joint.

2.06 **Hinges**

All hinges have a lifetime limited guarantee to the original purchaser.

- 2.06.01 All doors shall be mounted on concealed, nickel-finished self-closing hinges. Door hinges will self-close within 10° of cabinet face. Maximum hinge opening angle for Arbor Falls II, Glen Arbor, Spring Valley, Seneca Ridge and Sutton Cliffs is 105°. Maximum hinge opening angle for Avenue, Bayville, Bellingham, Cannonsburg, Fox Harbor, Fusion, LaBelle, Lariat, Ralston, Portrait, Somerton Hill, Tolani and Whitebay II is 107°. All hinges shall have six-way (vertical, horizontal and front-to-back) adjustability except for 42" high Wall – MG, – PR and – GD, Wall Angle – MG, – PR and – GD and Wall Corner Angle – MG, – PR and – GD cabinets. In order to allow the center shelf to be positioned behind the door mullion in the middle of the cabinet, two-way (vertical only) adjustable hinges shall be used on Arbor Falls II, Glen Arbor, Spring Valley, Seneca Ridge and

Sutton Cliffs 42" high Wall – MG and Wall Corner – MG cabinets. Maximum opening angle of two-way adjustable hinges is 105°. Four-way (vertical and horizontal only) adjustable hinges shall be used on 42" high Avenue, Portrait and Tolani Wall – PR and Wall Corner – PR cabinets; Somerton Hill, Ralston, Fox Harbor, and Whitebay II Wall – MG and Wall Corner – MG cabinets; Bellingham, Cannonsburg, Fusion, LaBelle and Lariat 42" high Wall – GD and Wall Corner – GD cabinets. Maximum opening angle of four-way adjustable hinges is 110°. All Wall Angle – MG, – PR, – GD 42" high cabinets shall use the same two-way adjustable hinges as mentioned previously in order to also allow the center shelf to be positioned in the cabinet middle.

2.07 **Stain Finishes**

- 2.07.01 Spring Valley Oak and Seneca Ridge Oak cabinets are available in Cider, Medium, Natural Amaretto, Kona, and Pecan stain finishes. Sutton Cliffs Oak cabinets are available in Natural, Cider, Amaretto, Kona, and Pecan stain finishes only. Portrait Oak cabinets are available in Cider, Medium, Amaretto, Kona, and Pecan stain finishes only. Avenue Cherry, Bellingham Cherry, Fusion Cherry, LaBelle Cherry, Lariat Cherry, Portrait Cherry, Spring Valley Cherry, Seneca Ridge Cherry, Somerton Hill Cherry, Sutton Cliffs Cherry and Tolani Cherry cabinets are available in Amaretto, Pecan, Cider and Paprika stain finishes. Spring Valley Hickory and Sutton Cliffs Hickory cabinets are available in Cider and Natural stain finishes. Avenue Maple, Fusion Maple, LaBelle Maple, Portrait Maple, Spring Valley Maple, Seneca Ridge Maple, Somerton Hill Maple, Sutton Cliffs Maple and Tolani Maple are available in Chiffon and Cotton (painted), Kona, Natural, Sable, Sedona, Toffee, Pecan, Hazelnut, and Dusk stain finishes, except Lariat Maple which is **not** available in Chiffon or Cotton. All stains contain pigments that accentuate the grain. Components are control-sanded to prepare the surface for staining. The penetrating stains are applied with a variety of specially designed spray equipment (door and drawer fronts), mechanical spray devices, (frames) or hand-spray equipment (accessories) tailored specifically to the type of part being finished. The stain is brush-wiped into the pores to develop the desired color. A sealer is then applied over the stain. The sealer helps develop a bond to the stain as well as the topcoat. The sealer is the foundation of the protecting finish; helping to prevent warping and cracking of the hardwood. The sealer is carefully and thoroughly sanded to prepare the surface for topcoating. The heat activated catalyzed conversion topcoat creates a durable envelope protecting the wood from chem-

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icals, abrasion, and detergents.

The conversion topcoat provides a full, smooth surface for a complete quality finish. The Chiffon and Cotton painted finishes consist of several coats of pigmented semi-opaque enamel paint which saturate the wood for a rich, beautiful color while allowing some of the natural beauty of the grain to remain visible. A heat activated catalyzed conversion topcoat is applied creating a durable envelope protecting the painted finish from chemicals, abrasion and detergents. Merillat uses solid wood as the base material for painted finishes, whereas some other cabinetry manufacturers use engineered wood. The characteristics of the wood are less noticeable with painted finishes than with stain finishes.

*Because wood naturally expands and contracts, you may see hairline cracks in the finish surface at the joints. Joint lines are normal and do **not** affect the strength of the face frame's, door's or drawer front's construction or finish.*

2.07.02 Glaze Finishes

Bellingham, LaBelle, Lariat and Somerton Hill cabinets are available in ten glaze combination finishes. Bellingham Cherry, LaBelle Cherry, Lariat Cherry and Somerton Hill Cherry cabinets are available in Cider with Java (dark brown) Glaze, Paprika with Ebony (black) Glaze, and Amaretto with Java (dark brown) Glaze. Bellingham Maple, LaBelle Maple, Lariat Maple and Somerton Hill Maple cabinets are available in Toffee with Java (dark brown) Glaze, Hazelnut with Java (dark brown), Natural with Java (dark brown) Glaze, Oatmeal with Desert (medium brown) Glaze, Sable with Ebony (black) Glaze, Chiffon with Tuscan (light gray) Glaze (painted), Cotton with Tuscan (light gray) Glaze (painted), and Chiffon with Desert (brown) Glaze (painted). All contain pigments that accentuate the wood grain.

Components are control-sanded to prepare the surface for staining. The penetrating stains are applied with hand held spray equipment to develop the desired color. A sealer is then applied over the stain. The sealer helps develop a bond to the stain as well as the glaze material. The sealer is the foundation of the protecting finish, helping to prevent warping and cracking of the hardwood. The sealer is carefully and thoroughly sanded to prepare the surface for glazing. The glaze material is applied to the face side only over the sealer creating hang up in corner areas and in profiled recesses depending on the door style. The heat activated catalyzed conversion topcoat creates a durable envelope protecting the wood from chemical, abrasion and detergents. The conversion topcoat provides a full smooth surface for a complete quality finish. The Chiffon and Cotton painted finish consists of several coats of pigmented semi-opaque enamel paint which saturate the

wood for a rich, beautiful color while allowing some of the natural beauty of the grain to remain visible. The glaze material is applied to the face side only over the paint creating hang-up in the corner areas and in the profiled recesses depending on the door style. A heat activated catalyzed conversion topcoat is then applied creating a durable envelope protecting the painted finish from chemicals, abrasion and detergents.

Merillat uses solid wood as the base material for painted finishes, whereas some other cabinetry manufacturers use engineered wood. The characteristics of the wood are less noticeable with painted finishes than with stained finishes.

*Because wood naturally expands and contracts, you may see hairline cracks in the finish surface at the joints. Joint lines are normal and do **not** affect the strength of the face frame's, door's or drawer front's construction or finish.*

2.07.03 Finish Accent Glaze

In addition to the six standard finishes (Chiffon, Cotton, Kona, Natural, Sable, Sedona and Toffee), Seneca Ridge and Spring Valley Maple cabinets are also available in six accent glaze combination finishes. They are Sable with Ebony (black)

Accent; Toffee with Java (dark brown) Accent; Hazelnut with Java (dark brown) Accent; Natural with Java (dark brown) Accent; Sedona with Ebony (black) Accent; Chiffon with Tuscan (light gray) Accent (painted); Cotton with Tuscan (light gray) Accent (painted) and Chiffon with Desert (medium brown) Accent (painted). All contain pigments that accentuate the wood grain. Components are control-sanded to prepare the surface for staining.

The penetrating stains are applied with a variety of specifically designed spray equipment tailored specifically to the type of part being finished. The stain is brushed-wiped into the pores to develop the desired color. A sealer is then applied over the stain. The sealer helps develop a bond to the stain as well as the topcoat. The sealer is the foundation of the protecting finish; helping to prevent warping and cracking of the hardwood. The sealer is carefully and thoroughly sanded to prepare the surface for topcoating and glazing. The accent glazing material is hand applied to specific profiles depending on door style and then cured. Finally, the heat activated catalyzed conversion topcoat is applied creating a durable envelope protecting the accent glaze and wood from chemicals, abrasion and detergents. The conversion topcoat provides a full, smooth surface for a complete quality finish. The Chiffon and Cotton painted finishes consist of several coats of pigmented semi-opaque enamel paint which saturate the wood for a rich, beautiful color while allowing some of the natural beauty of the grain to remain visible. Merillat uses solid wood as the base material for painted finishes, where-

Framed Cabinet Specifications

as some other cabinetry manufacturers use engineered wood. The characteristics of the wood are less noticeable with painted finishes than with stained finishes. *Because wood naturally expands and contracts, you may see hairline cracks in the finish surface at the joints. Joint lines are normal and do **not** affect the strength of the face frame's, door's or drawer front's construction or finish.*

- 2.07.04 Some Merillat accessory items shall be topcoated with lacquer.
- 3.01 **Fire Resistance**
- 3.01.01 Overlaid engineered wood used for cabinet construction has been tested in accordance with UL standard recognized-ASTM E 162-13-Standard Test Method for Surface Flammability of Materials, Using a Radiant Heat Energy Source, and HUD Standard 3280.203, .204 and .209.
- 4.01 **Formaldehyde Emissions Levels**
- 4.01.01 Formaldehyde emissions comply with requirements of 24 CFR, Part 3280 (August 9, 1984), the HUD rule on Manufactured Home Construction and Safety Standards and 29 CFR Part 1910 (May 27, 1992), the OSHA rule on Occupational Exposure to Formaldehyde.
- 4.01.02 Formaldehyde emissions for raw engineered wood is restricted to 0.3 parts per million.
- 5.01 **Installation**
- 5.01.01 Contractor shall verify all on-site dimensions and notify supplier of any variances or changes.
- 5.01.02 Install cabinets as indicated on the drawings. Install plumb and level with all joints tight, in accordance with instructions shipped with cabinets.
- 5.01.03 Shim cabinets as required and trim with molding to match cabinets.
- 5.01.04 Secure to walls with screws embedded one inch minimum in solid wood framing or blocking and plumb.

For further information, send to Merillat for a Cabinetry Selection Guide. (Masco Cabinetry LLC, P. O. Box 1946, Adrian, MI 49221).

In keeping with our policy of continuous refinement, Masco Cabinetry LLC reserves the right to alter specifications and styles without general notice or obligation to make similar changes in products previously manufactured.



WARNING: This product contains chemicals known to the State of California to cause cancer.