



## 2101 StevensWood™ Full Overlay Specifications

### PART 1 GENERAL

#### 1.01 GENERAL PROVISIONS

- A. Applicable provisions of General Conditions, Special Conditions, and General Requirements shall apply to this section as if repeated in full herein. Reference other Sections and Divisions for work in connection with this section.

#### 1.02 SCOPE OF WORK

- A. **Cabinets:** Furnish prefabricated cabinetry and related components as specified herein. Refer to plans and equipment lists for details and requirements. Cabinetry shall include all fillers, scribes, finished ends, finished backs, and materials for completed installation.
- B. **Countertops:** Provide prefabricated countertops in Laminate, Chemical Resistant Laminate, Solid Surface (Polymer Resin), Stainless Steel, and Phenolic as specified in connection with cabinetry.
- C. **Locks:** Install locks in cabinetry where shown on casework drawings or as specified in equipment lists.
- D. **Sinks and Fixtures:** Provide sinks, fixtures, electrical outlets, and fittings specified as part of complete model numbered units. Provide materials to appropriate trades for final hook ups and installation.

#### 1.03 RELATED WORK NOT INCLUDED

- A. **Sinks and Fittings:** Sinks and fittings, connection, piping, traps, supplies, shut offs, and special plumbing applicable to codes. Electrical fittings, devices, conduit, wiring, fans, blowers, motors, ductwork, and special grills not specified as part of furnishings. (specified in electrical, plumbing, and heating/ventilation/air conditioning sections)
- B. **Blocking, Framing, and Reinforcements:** In walls, ceilings, and floors for cabinetry anchorage and mountings. (specified in carpentry section)
- C. **Locks:** Master keyed to room doors or specialty locking systems. (specified in lock section)
- D. **Vinyl Base Molding:** (specified in resilient flooring section)

#### 1.04 QUALIFICATIONS

- A. **Casework Standards:** Casework shall be StevensWood 2101 Full Overlay Series. Catalog numbers and specification details shall be based on product offerings of Stevens Industries, Inc., Teutopolis, Illinois. Configuration, size, material options, offerings, and quality to be adhered to.
- B. **Approvals:**
  - 1. Casework of other manufacturers will be considered for approval, providing written request is received and approved at least ten (10) days prior to announced bid date and approved by addendum. Bidder shall state in writing any deviations from requirements and specifications. The casework shall conform to the configuration, arrangement, design, material quality, joinery, panel thickness, and surfacing of that specified and shown on drawings.



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2. Manufacturers requesting approval shall submit samples with cut-aways showing cabinet construction, joinery, drawer and door construction, hardware, and materials, along with catalogs and specification, in order that accurate elevations can be made. Manufacturers shall show full sized working samples. Catalogs and specifications shall be submitted with written request, along with detailed list of compliance and deviations from these documents for approval. Samples may be impounded by owner and retained until completion of job for verification and compliance of specifications.
3. Manufacturer must be Architectural Woodwork Institute (AWI) Premium Certified.
4. StevensWood 2101 Full Overlay Series is GREENGUARD Certified. Manufacturers requesting approval must include documented GREENGUARD certification.
5. Manufacturer must show evidence dedicated to environmentally responsible practices. Manufacturer must be licensed by the Composite Panel Association as an Environmentally Preferable Product (EPP) Downstream company.

### 1.05 SUBMITTALS

- A. **Shop Drawings:** Shall be submitted for approval after formal notification of award of contract. Drawings shall consist of floor plans indicating arrangement and relation to adjacent work and equipment and complete elevations of casework. Centerline of service requirements shall be noted for use by other trades. A schedule of all sinks, fittings, and accessories that are part of this contract shall be provided.
- B. **Color Samples:** Shall be submitted for selection and coordination at time of shop drawing submittals. Samples of actual materials and color shall be available as required.
- C. **Catalog Cuts:** Additional catalog cuts, details, and samples as requested by architect for evaluation and coordination.

### 1.06 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. **Protection:** Protect casework and related materials during transit, delivery, storage, and handling to prevent damage, soiling, and deterioration.
- B. **Storage:** Store casework and related materials at project site in installation and storage areas with similar ambient conditions as final installation. Storage areas must be kept dry, heated with low relative humidity, and away from construction work such as painting, wet work, grinding, and similar operations.
- C. **Site Conditions:** Shall be in accordance with AWI's *Quality Standards Illustrated* (current edition) and Stevens Industries, Inc.'s *Site Conditions*.

### 1.07 WARRANTY – refer to The Stevens Advantage Warranty

- A. Casework manufacturer shall warrant for a period of three (3) years that its manufactured product is free from defects in materials and workmanship when properly installed and under normal use and conditions.



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- B. Accessory equipment (sinks, fittings, etc.) shall be warranted by appropriate manufacturer's guarantee to the limit of that manufacturer's standard warranties.

### PART 2 PRODUCTS

#### 2.01 SURFACE MATERIAL

- A. **Cabinet:** Exterior surfaces shall be StevensWood High Definition laminates. Laminate shall be homogenous, thermofused to core face resulting in a unitized structure. Lamination shall be under precision controlled press cycle using high pressures of 350-400 Pounds per Square Inch (PSI) and thermosetting temperatures of 380-400 degrees F. Resin impregnated decorative faces shall be thermofused and chemically cross linked within laminate face and to core structure. Finishes to be formed against precision engraved chromed press plates. StevensWood laminates shall be tested under National Electrical Manufacturers Association (NEMA) LD3-2005 Vertical Grace GP-28 standards. Laminates shall be warranted for life against delamination.
- B. **Semi Exposed:** Interior components, backs, and surfaces shall be Stevens Pearl White (TFL) laminated.
- C. **Drawers:** Shall be finished entirely in Stevens Pearl White (TFL) laminates.

#### 2.02 CORE MATERIALS

- A. **Particleboard:** Shall be high performance industrial grade core. Particleboard shall be CARB (California Air Resources Board) compliant 45# - 48# density 3-ply type formation conforming to American National Standards Institute (ANSI) A208.1 and American Society for Testing and Materials (ASTM) D1037-91A standards.
- B. **Medium Density Fiberboard (MDF):** Core shall be minimum 48# density conforming to ANSI A208.1 MD-130 standards and current applicable CARB standards.

#### 2.03 EDGINGS

- A. **Door and Drawer Fronts:** Edges shall have 1mm flat PVC edge extrusion banding with coordinated embossed face patterns. Automated hot melt adhesive application and trimming.
- B. **Cabinet Edges:** Cabinet sides, top, bottom, and exposed panel edges shall be edged with 1mm PVC flat edge embossed extrusion banding. Automated hot melt adhesive application and trimming.
- C. **Semi Exposed:** Interior Pearl White components shall be edged with matching flat edge PVC extrusion.
- D. **Drawer Components:** 3/4" sides shall be edged with flat edge PVC extrusion. Automated hot melt adhesive application and trimming.
- E. **Selections:** Exterior edgebanding shall be coordinated with StevensWood laminates.



**2.04 STEVENSWOOD SELECTIONS AND APPLICATIONS**

- A. **Cabinet Components:** Open interiors, finished ends, wall bottoms, and cabinet door and drawer fronts shall be selected from StevensWood High Definition patterns, in laminate textures of Artika and Rain.
- B. **Countertops:** (See Section 2.07 for applicable usage)
  - Laminated tops selected from Wilsonart standard offerings.

**Add Cost Option:**

- C. Countertop laminates from Formica, Nevamar, Pioneer, and Wilsonart standard offerings.
  - 2. Solid Surface (Solid Polymer) tops selected from Stevens standard offering. In price category:  A  B  C  D  A, Being the most economical
- D. **Metal Countertop Supports:** Powder coated in standard Satin Black and Matte Nickel.
- D. **Metal Table Frames and Legs:** Powder coated in standard Satin Black.

**E. StevensWood Laminate Selections:**

<b>Artika Texture</b>	<b>Pattern</b>	<b>Rain Texture</b>
G92-30	Driftwood	G92-31
G91-30	Carmelo Mist	G91-31
G89-30	Cokalada Crosscut	G89-31
G90-30	Dark Noce	G90-31
G87-30	Canela Rustic	G87-31
G88-30	Natural Rustic	G88-31
G85-30	White Zebrine	G85-31
G86-30	Grigio Noce	G86-31
529-30	Takase Teak	529-31
672-30	Tapai Bamboo	672-31
533-30	Midnight Echo	533-31
W64-30	Dahat Teak	W64-31
W29-30	Greggio Pine	W29-31
W51-30	Richmond Cherry	W51-31
W27-30	Rio	W27-31
W53-30	Arizona Cypress	W53-31
O43-30	Pearl White	O43-31
174-30	Black	174-31
151-30	Fashion Grey	151-31
648-30	Ebony	648-31



**2.05 HARDWARE**

**A. Series 2101 has 5 knuckle and concealed hinges:**

- **5-Knuckle Hinges:** Shall be heavy duty 5-knuckle 270 degree pivot reveal overlay style. Hinges shall have interlaying leaves 270 degree swing constructed of (.090") thickness steel. Hinges shall be Grade 1 with hospital ground tips and non-removable pin. Doors 48" or less shall have two (2) hinges per door. Doors exceeding 48" shall have three (3) hinges per door. Hinges shall have vertical adjustment and shall be mounted with two (2) 5mm thread-in screw bolts plus two (2) additional #8 screws in cabinet leaf. Door leaf shall have two (2) 5mm thread-in screw bolts plus three (3) #8 screws. Total nine (9) fasteners per hinge. (Mountings without 5mm thread-in screw bolt fasteners not acceptable.) Hinges shall be available in Satin Black, Satin Pearl, Grey Chrome, and Matte Nickel environmentally friendly powder coated finishes.
- **Concealed Hinges:** Shall be commercial grade 120 degree pivot full overlay style. Hinges shall be two (2) piece construction with door hinge and cabinet mounting plate. Hinges shall be compact design with "minimal intrusive" mechanism into compartment space. Hinges shall have spring loaded self-close feature. Hinges shall be provided two (2) per door below 48", three (3) per door up to 63", and four (4) per door above 63". Concealed hinges shall have 3-way (vertical, in-out, horizontal) alignment adjustments. Hinges shall be mounted with 5mm thread-in screw bolt fasteners and nylon screw mount inserts.

**Add Cost Options:**

- **SA151 165 Degree Concealed Hinges:** Shall be commercial grade 165 degree pivot full overlay style. Hinges shall be two (2) piece construction with door hinge and cabinet mounting plate. Hinges shall have spring loaded self-close feature. Hinges shall be provided (2) per door below 48", three (3) per door up to 63", and four (4) per door above 63". Concealed hinge shall have 3-way (vertical, in-out, horizontal) alignment adjustments. Hinges shall be mounted with 5mm thread-in screw bolt fasteners and nylon screw mount inserts.
  - **SA1035S Stainless Steel 5-Knuckle Hinges:** Shall be SA1035S stainless steel heavy duty 5-knuckle 270 degree pivot reveal overlay style. Hinges shall have interlaying leaves, 270 degree swing constructed of (.090") thickness stainless steel. Hinges shall be Grade 1 with hospital ground tips and non-removable pin. Doors 48" or less shall have two (2) hinges per door. Doors exceeding 48" shall have three (3) hinges per door. Hinges shall have vertical adjustment and shall be mounted with two (2) 5mm thread-in screw bolts plus two (2) additional #8 screws in cabinet leaf. Door leaf shall have two (2) 5mm thread-in screw bolts plus three (3) #8 screws. Total nine (9) fasteners per hinge. (Mountings without 5mm thread-in screw bolt fasteners not acceptable.)
- B. Door Catches:** Shall be heavy duty spring loaded, large diameter (17.5mm) roller catches mounted at door bottom. Catch strike plate shall be injection molded with integral molded engagement ridge and wide face bumper door stop. Full height tall cabinet doors and drawers exceeding 48" shall have catches at both top and bottom.
- C. Pulls available from Stevens Advantage Essentials and Artisan Collections**
- Collections shall include easy grip 128mm (5") Bentwire 128 and Designer Artisan pulls in Satin Black, Satin Pearl, and Matte Nickel environmentally friendly powder coated finishes. Molded



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contour 128 pulls shall be injection molded in high impact Acetyl Butyl Styrene (ABS) Black, Pearl, and Grey solid colors. (Offerings of less size, styles, and selection shall not be acceptable.)

### Add Cost Option:

- **SA001SS Stainless Steel Bentwire Pulls:** Shall be SA001SS stainless steel bentwire pulls in easy grip 128mm (5") size. Pulls shall be constructed of 8mm diameter brushed finish stainless steel materials.

### D. Drawer Slides:

- **Extension Slides:** Shall be bottom and side mounted epoxy powder coated steel slides. Lateral stability achieved through a formed captive slide profile and slides shall glide on nylon rollers. Slides shall have both in and out drawer stop with self-close feature. Slides shall meet AWI 100# dynamic load rating, exceeding Grade 1 as tested drawer suspension systems under ANSI / BHMA (Builders Hardware Manufacturers Association) A 156.9.

### Add Cost Option:

- **Full Extension Ball Bearing Slides:** Full extension ball bearing slides to be provided on all cabinet drawers. Slides shall be side mounted with profile to not reduce interior drawer space normally provided. Ball bearing slides to be tested under The Business and Institutional Furniture Manufacturer's Association (BIFMA) X5.5 Section 7. Slides shall pass both 50,000 and 100,000 cycle tests with a 120# load. Standard rating published at 100#.
- E. File and Paper Storage Drawers:** Shall have full extension side mounted ball bearing slides. Ball bearing slides shall be tested under The Business and Institutional Furniture Manufacturer's Association (BIFMA) X5.5 Section 7. Slides shall pass 50,000 cycle test with a 120# load.
- F. Hanger Bars:** Shall be heavy chrome plated oval tubing mounted in adjustable end wall sockets.
- G. Bins and Trays:** High impact polystyrene or polyethylene formed bins and trays shall be provided where indicated by model numbers. Bins and trays shall be suspended on welded wire powder coated rack system. System includes side suspension rack uprights with top and bottom horizontal guideways to capture tray and minimize inadvertent tip out.
- H. Shelf Supports:** Adjustable shelf supports shall be injection molded clear polycarbonate. Supports shall incorporate integral molded lock tabs to retain shelf to minimize tipping or inadvertent lift out. Supports shall have 5mm diameter double pin engagement into precision bored cabinet vertical hole patterns. Adjustment shall be (32mm) 1 1/2" spacings. Supports shall have a compression ridge effecting force against shelf edge to maintain positive pin engagement. Supports shall have molded-in screw attachment feature. Static test load shall exceed 200# clip. Shelf span above 27" shall have 5-point support with backs drilled to receive a mid-span shelf support, further reducing deflection. Shelf span below 27" shall have end 4-point support.
- I. Locks:**
- **High security SA402 6-tumbler lock system:** shall be provided where noted by model number or indicated on drawings. Locks shall have diecast body with a dead bolt style engagement tang.



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Locks shall have removable and interchangeable 6-tumbler core for easy field and customer re-keying options. Locks shall be master keyed and available key-alike or key-different changes. Each lock provided with a double bit key and face of lock stamped with key number.

### Add Cost Option:

#### ○ Locks (All drawers / doors):

High security SA402 6-tumbler dead bolt lock system shall be provided on all drawer and door openings. Locks shall have die cast body with dead bolt engagement tang. Locks shall have removable and interchangeable 6-tumbler core for field or customer re-keying options. Locks shall be master keyed and available key-alike or key-different changes. Each lock provided with a double bit key and face of lock stamped with key number.

J. **Sliding Doors:** Solid 3/4" door tracks shall be double channel extrusion both top and bottom. Glass sliding doors shall be tempered with aluminum top channel track and bottom fiber inserts. Tempered glass doors above 36" tall include door bottom extrusion with track rollers.

K. **Coat Hooks:** Under mount and wall mount hooks shall be selected from Stevens Advantage Gallery Collection designs. Hooks shall be formed cold roll steel with ball end tips and welded in stamped steel base. Gallery Collection includes three (3) under mount designs (double, triple, wardrobe) and three (3) wall mount (single, double, schoolhouse) designs. (Cast or molded hooks not acceptable.) Styles shall be design coordinated with powder coated matte nickel finish.

## 2.06 COMPONENT DETAILS AND CONSTRUCTION

A. **Fronts:** Door and drawer fronts shall be 3/4" thick with StevensWood High Definition laminates. Fronts shall be edged with 1mm PVC flat edge with coordinated embossed texture. Grain and texture direction on both drawer and door fronts shall be vertical.

1. **Glazed Frames Doors:** Shall be 3/4" thick, one (1) piece panel with cutout for insertion of tempered or laminated glass pane held in place with extruded two (2) piece trim extrusions with removable back bead.

### B. Wall Cabinets:

- Wall cabinet components shall be 3/4" thick members throughout. Wall cabinet tops and bottoms shall include back groove and minimum four (4) dowel pins per joint for insertion into cabinet ends. Wall cabinet ends shall be 3/4" thick with back groove and precision Computer Numerical Control (CNC) drill pattern for accurate location of fixed members, hardware, and shelf supports. Wall cabinets shall have two (2) integral (dowel into end) mounting frames. (Designs with simple spacer rails or rails without dowel pin engagement into ends are not acceptable.)

### Add Cost Option:

- **1" Tops and Bottoms:** Wall cabinet tops and bottoms shall be 1" thick and include groove and minimum four (4) dowel pins per joint for insertion into cabinet ends. Wall cabinet ends shall be 3/4" thick with back groove and precision Computer Numerical Control (CNC) drill pattern for accurate location of fixed members, hardware, and shelf supports. Wall cabinets to have two (2)



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integral (dowel into end) mounting frames. (Designs with simple spacer rails or rails without dowel pin engagement into ends are not acceptable.)

- C. **Mounting Frames:** Incorporated in wall units, tall units, and base units, shall be 3/4" thick with minimum two (2) dowel pins per mounting frame end joint for wall and tall units. Base unit wide mounting frames shall be 8" wide and have a minimum of three (3) dowel pins per mounting frame end joint.
- D. **Tall Cabinets:** Components shall be 3/4" thick members throughout. Tall cabinet tops and bottoms shall include back groove and up to eight (8) total dowels per end joint (based on cabinet depth). Tall cabinet ends shall be 3/4" thick with back groove and precision CNC drill pattern for accurate location of fixed members, hardware, and shelf supports. Tall cabinets to have three (3) integral (dowel into end) mounting frames located top, mid height, and lower rear. (Designs with simple spacer rails or rails without dowel pin engagement into ends are not acceptable.)
- E. **Base Cabinets:** Components shall be 3/4" members throughout. Base unit bottoms shall incorporate back groove and up to eight (8) dowel pins per end joint (based on cabinet depth). Base units shall have a wide top and back mounting frame feature. A wide 8" frame in the flat horizontal plane at cabinet front with minimum three (3) dowels per end joint provides stable squaring of the top area. A second 8" wide frame in the vertical plane behind back provides stable side-to-side rack resistance. Construction shall provide lateral and vertical stability. Open rear top area allows for easy wall mounting, ease of installation, and mechanical services. A second horizontal mounting frame doweled into ends provided at lower rear for seismic applications. (Sub tops without horizontal and vertical plane ridged frame members not acceptable.) Base cabinet ends shall be 3/4" thick with back groove and precision CNC drill pattern for accurate location of fixed members, hardware, and shelf supports.
- F. **Toe Kicks:**
- **Integral Base Design:** Base and tall cabinets shall be an integral base design. Construction of end panels, cabinet bottoms, and two horizontal toe kick members to be integrally joined together for greater structural strength. This design facilitates load transfer from upper loaded areas directly through cabinet end to floor, reducing lower joint stresses.
- Add Cost Options:**
- **Integral Base Design with Isolation Supports:** Base and tall cabinets shall be an integral base design and shall include isolation supports. Construction of end panels, cabinet bottoms, and horizontal toe kick members is integrally joined together for greater structural strength. This design facilitates load transfer from upper loaded areas directly through cabinet end to floor, reducing lower joint stresses. Six (6) injection molded isolation supports shall be applied in toe base. Each isolation support shall be molded in chemical resistant polypropylene with large 1 3/8" x 3" footprint. Isolation supports shall space cabinet 10mm (3/8") from contact with floor, effectively preventing moisture or chemical penetration into cabinet body. Supports shall be internally mounted and allow use of continuous 4" vinyl toe base cover. (Wood spacers or plastic





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- plies susceptible to moisture, chemical penetration into cabinet base, or allowing corrosion with edge fasteners not acceptable.)
- Toe Kicks (Exterior Grade):** 3/4" exterior grade plywood ladder base material shall be provided for base and tall cabinet installation.
  - Toe Kicks (Pressure Treated Exterior Grade):** 3/4" pressure treated exterior grade plywood ladder base material shall be provided for base and tall cabinet installation.
- G. **Cabinet Backs:** Shall be an integrated system of a 1/4" StevensWood laminated MDF back captured in side and horizontal grooves. Unit back shall be further integrated with 3/4" doweled mounting frames. Fixed backs are mechanically fastened into grooves and sealed with hot melt adhesive. Glass door and open backs shall be StevensWood, coordinated to match exteriors and captured in grooves and fastened as previously described.
- H. **Adjustable Shelves:** Shall be 3/4" thick. Shelving shall have end 4-point support for spans 27" or less. Spans above 27" shall have 5-point support with backs drilled to receive additional mid-span shelf support, reducing deflection under heavier loads. Shelving above 36" in length shall be 1" thick. Specialty shelving requiring retaining ledge shall have powder coated metal angle.
- I. **Drawers:**
- Shall be finished in StevensWood Pearl White (TFL) laminates. A four (4) sided full box design with separate attached front shall be provided. Drawer members shall be 3/4" thick with dowel construction at all four (4) corners. Drawer bottoms shall be 1/4" laminated MDF core trapped in groove four (4) edges as well as mechanically fastened. Drawer components shall be edged with 2mm PVC flat edge extrusion. Automated hot melt adhesive application and trimming.  
**Add Cost Option:**
  - Natural Birch Plywood Drawers:** Shall be clear coat natural birch plywood. A four (4) sided full box design with separate attached front shall be provided. Drawer members shall be 3/4" thick with dowel pin construction at all four (4) corners. Drawer bottoms shall be 1/4" MDF core with Maple woodgrain laminate trapped in groove four (4) edges as well as mechanically fastened.
- J. **File Drawers:** Shall be a four (4) sided box design with separate attached front. Particleboard drawer members shall be laminated and have dowel construction at all four (4) corners. Drawer bottoms shall be laminated 1/4" MDF core trapped in groove four (4) edges as well as mechanically fastened. Full extension ball bearing suspensions shall be BIFMA 120# load tested slides. File drawers shall be neutral pearl white and include file hanging support rails.  
**Add Cost Option:**
- Crossbar File Hangers:** Additional crossbar file hangers shall be provided for cross filing of legal and letter files in file drawers.



**Z-07 COUNTERTOP SPECIFICATIONS**

Countertops shall be provided based on drawings and specific applications. The following countertop types are used and shall be provided as indicated on this project.

Choose one or more countertop types:

- A. **Laminate Tops:** Shall be 1 1/16" thick with full solid core structures, laminated with decorative laminate and backer sheet. Countertops shall be high pressure decorative plastic laminate and backers, thermoset to core using catalyzed Polyvinyl Acetate (PVA) adhesives with minimum average pressure of 80 PSI and average 180 degree F temperature. Hot melt applied edges shall be (PUR) Polyurethane high heat resistant adhesives. Decorative laminate shall meet current NEMA LD3-2005 PF-42 (.042") specification standards. (Buildup core edges not acceptable.)
- LS00C27:** 10R 90 degree postform seamless counter top with matching 10R 90 degree postform applied backsplash. CARB compliant cores.
  - LS05C27:** 3mm (PVC) Polyvinyl Chloride edged countertop with matching 3mm PVC edged applied backsplash. CARB compliant cores.
  - LS07C27:** Self edge (Last) countertop with matching self edge applied backsplash. CARB compliant cores.
  - Substitute:** "Add cost" (M) moisture resistant - NAUF (No added Urea Formaldehyde) cores in lieu of standard CARB (California Air Research Board) compliant cores.
- B. **Chemical Resistant Laminate Tops:** Shall be 1 1/16" thick solid core structures and laminated with decorative laminate and backer sheet. Countertops shall be high pressure "chemical resistant grade" laminate surface, thermoset to core using catalyzed Polyvinyl Acetate (PVA) adhesives with minimum average pressure of 80 PSI and 180 degree F temperature. Hot melt applied adhesives shall be (PUR) Polyurethane high heat resistant adhesives. Chemical resistant laminate shall be black with black PVC edges.
- LS25C27:** 3mm (PVC) Polyvinyl Chloride edged countertop with matching 3mm (PVC) edged applied backsplash. CARB compliant cores.
  - "Add Cost":** Stevens standard offerings of "chemsurf" pattern laminates and 3mm PVC offerings.
  - Substitute "Add cost" core:** (M) moisture resistant – NAUF (No added Urea Formaldehyde) core in lieu of standard CARB (California Air Research Board) compliant cores.
- C. **Solid Surface (Polymer Resin) Tops:** Shall be fabricated from 1/2" thick acrylic cast sheets. Sheets shall be continuous cast thermoset acrylic resins in combination with Aluminum Trihydrate (ATH) and pigments. Solid surface countertops shall have



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downturned leading edges with overall top thickness of 1 1/16". Faces shall be polished to a matte suede finish with 3mm radius edges and corners as standard. Countertops shall be additionally strengthened with adhesive-applied longitudinal composite wood understructure for mounting to cabinets and supports. Spans shall not exceed 36" without intermediate supports. Applied backsplashes shall be 1/2" thick with 3mm radius edges provided along back wall endsplashes at end walls and tall cabinet ends. Acrylic sink bowls shall be factory installed, Integral one (1) piece.

- **PS 60 C27 3R/3R:** Edge profile – 3mm radius top and bottom edges. Applied backsplash
  - **PS 61 C27 6B/3R:** Edge profile - 6mm bevel top and 3mm radius bottom edges. Applied 3R backsplash.
  - **PS 62 C27 6B/6B:** Edge profile - 6mm bevel top and bottom edges. Applied 3R backsplash
  - **PS 63 C27 6R/3R:** Edge profile - 6mm radius top and 3mm radius bottom edges. Applied 3R backsplash.
  - **PS 64 C27 6R/6R:** Edge profile - 6mm radius top and bottom edges. Applied 3R backsplash.
  - **PS 66 C27 12R/3R:** Edge profile - 12 mm radius top and 3mm radius bottom edges. Applied 3R backsplash
  - **PS 68 C27 12R/12R:** Edge profile – 12mm radius top and 12mm radius bottom edges. Applied 3R backsplash.
- D. **Stainless Steel Tops:** Stainless steel countertops and integral sinks shall be fabricated of 16-gauge U.S. Standard Type 304 Stainless Steel formed down and back, making 1 1/16" high face on exposed edges. (Type 304 18-gauge stainless steel options available.) Top, front flange, deck surface, backsplash, and end splashes shall be formed of one (1) sheet of metal. The deck surface and front edge shall include reinforcing with 16-gauge full length hat channels. Horizontal and vertical corners where backsplashes and end splashes intersect shall be covered radius. Marine edge design shall have raised edges at front and ends die formed. When required, field joints shall use a "lock joint" technique to eliminate vertical as well as horizontal seam movement. Field joints shall be pre-fitted and polished together at the factory for greater symmetrical appearance. Vertical and horizontal corners in sink bowls shall be rounded to sanitary radii with depth as detailed, with drain openings in center or possible rear positions. Sink bowls shall be seamless electrically welded to countertops. Tops, sink bowls, backsplashes, raised rims, as well as end curbs with exposed welds, shall be ground smooth and finely polished to an MB-4 finish. Underside of countertop and bowl shall be coated with sound deadening.



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Choose Design:

- SS16527: Square edge, 16-gauge Type 304 stainless steel
- SS18527: Square edge, 18-gauge Type 304 stainless steel
- SS16L32: Marine edge, 16-gauge Type 304 stainless steel
- SS18L32: Marine edge, 18-gauge Type 304 stainless steel

### 2.08 TABLES

#### WELDED STEEL LEG TABLES – STEVENS ADVANTAGE 49700 SERIES:

- A. **Stevens Advantage 49700 Series Tables:** Shall incorporate a one (1) piece all welded apron assembly. Apron frames shall be a cold roll steel formed 14 gauge or heavier section with offset channel bends providing heavy load capacity.
- B. **Frames:**
1. Shall be 2 1/2" high, providing a low profile for maximum leg height and Americans w/ th Disabilities Act (ADA) specifications.
  2. Frames shall include 14 gauge channel (welded in) diagonal corner struts on leg corners with a wedge bolt. Aprons shall have outside 90 degree corner brackets welded to aprons, forming a rigid leg pocket.
- C. **Legs:**
1. Shall be 2" x 2" cold roll 14 gauge tubing. Tube legs shall have effectively a 5-bolt attachment. Legs shall bolt into corner pocket with four (4) 1/4" -20 hex drive bolts and corner strut with 1/4" wedge bolt.
  2. Tube legs shall include insert with threaded adjustable leveling nylon glide.
- Stamped metal brackets shall be provided for attachment through leg levelers when a fixed installation is required by code in tables with electrical or service fixtures installed.
- D. **Frames and Legs:** Shall be powder coated in Black or Matte Nickel.
- E. **Table Tops:** Shall be available in laminate, solid surface (polymer resin), and chemical resistant laminate (Tops specified through model number selection.)
- F. **Table Designs:**
1. Shall be available with formed horizontal "C" channels to allow use of Bins or Trays as slide-under accessory drawers.
  2. Shall be available with formed student book boxes attached to apron frames. Book boxes shall eliminate the solid enclosed areas susceptible to trash and hidden item accumulation.

#### Apron Steel Leg Tables – Stevens Advantage 49800 Series



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- A. **Stevens Advantage 49800 Series Tables:** Shall be constructed with 5" wide apron rails. Aprons shall have double diagonal formed-steel corner gussets machined in and attached with #10 screws. 1" thick plycore aprons shall have face to match casework selection.
- B. **Legs:**
  - 1. Shall be 2" x 2" cold roll 14 gauge tubing with two (2) 5/16-18 corner anchor bolt attachment. Tube legs shall have retainer angles for clamping to restrain wood apron members.
  - 2. Tube legs shall include insert with threaded adjustable leveling nylon glide.
  - 3. Stamped metal brackets shall be provided for attachment through leg levelers when a fixed installation is required by code in tables with electrical or service fixtures installed.
  - 3. Legs shall be powder coated in Black or Matte Nickel.
- C. **Table Tops:** Shall be available in laminate, solid surface (polymer resin), and chemical resistant laminate. (Tops specified through model number selection.)
- D. **Table Designs:** Designs shall be available specified through model numbers with plain apron and hook boxes in the apron frames.

### PART 3 EXECUTION

#### 3.01 INSTALLATION

- A. The installer must examine the job site and the conditions under which the work in this section is to be performed and notify the contractor in writing of any unsatisfactory conditions. Do not proceed with work under this section until unsatisfactory conditions have been corrected in accordance with AWI's *Quality Standards Illustrated* (current version) and Stevens Industries, Inc.'s *Site Conditions*.
- B. Casework, countertops, and related materials to be conditioned to average prevailing humidity condition in installation areas prior to start of work.
- C. Install casework and countertops with factory-trained supervision, authorized by manufacturer. Casework shall be installed plumb, level, true, and straight with no distortions (shim as required). Casework shall be securely attached to building structure with anchorage devices of appropriate type, size, and quantity to meet applicable codes, specifications, and safety conditions. Where casework and countertops abut other finished work, scribe and trim to accurate fit, and caulk as required.
- D. Adjust casework and hardware so that doors and drawers operate smoothly without warp or bind. Lubricate operating hardware as needed.
- E. Repair, or remove and replace, defective work as directed upon completion of installation.
- F. Advise project site superintendent of problems and precautions for protection of casework and countertops from damage by other trades until acceptance of the work by the owner.
- G. Cover casework with 4-mil polyethylene film for protection against soiling and deterioration during remainder of construction period.



**Glossary of Acronyms**

ABS:	Acetyl Butyl Styrene
ADA:	Americans with Disabilities Act
ANSI:	American National Standards Institute
ASTM:	American Society for Testing and Materials
ATH:	Aluminum Trihydrate
AWI:	Architectural Woodwork Institute
BIFMA:	The Business and Institutional Furniture Manufacturer's Association
BKL:	Backer Laminate
CARB:	California Air Resources Board
CLS:	Cabinet Liner Surface
CNC:	Computer Numerical Control
HPL:	High Pressure Laminate
MDF:	Medium Density Fiberboard
NEMA:	National Electrical Manufacturers Association
PSI:	Pounds per Square Inch
PVA:	Polyvinyl Acetate
PVC:	Polyvinyl Chloride
SEFA:	The Scientific Equipment and Furniture Association
MR:	Moisture Resistant
NAUF:	Non Added Urea Formaldehyde