



## 4700 Wood Series

### 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, Epoxy Resin, 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 and as specified as part of laboratory furnishings. 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 grilles 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 QUALIFICATION

- A. Casework Standards: Casework shall be Stevens Advantage® Laboratory 4700 Wood Series, tested to Scientific Equipment and Furniture Association (SEFA) 8.0 standards. 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.
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 evaluations 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. Manufacturers requesting approvals shall have independently tested their products and be able to submit documentation of results meeting SEFA requirements. Testing under Cabinet Surfacing SEFA 8.0W Section 8 and Cabinet Structural SEFA 8.0 Sections 4, 5, 6, 7, 9 and Tables Section 10 required.
5. Manufacturer shall show evidence of being dedicated to environmentally responsible practices. Manufacturer shall be certified as achieving this goal by the Composite Panel Association (CPA).
6. Manufacturer shall show evidence of having a minimum of five (5) years' experience in the manufacture and installation of casework for projects of similar size and complexity.

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.
- D. A preliminary set of submittal drawings shall accompany the quotation.

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 version) 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 five (5) years that its manufactured product is free from defects in materials and workmanship when properly installed and under normal use and conditions.
- B. Accessory equipment (sinks, fittings, fixtures) shall be warranted to the limit of those specific manufacturers' guarantees.

## PART 2 PRODUCTS

### 2.01 MATERIALS, SELECTIONS, AND APPLICATIONS

- A. Cabinet: Exposed faces, exterior ends, drawer and door fronts, and modesty panels shall be surfaced with veneer wood faces. Exterior face veneers shall be "A" Grade plain sliced book match. Finish shall be offered in stains in oak and maple finishes. Finishes shall be tested SEFA 8.0W Cabinet Surfacing Finish Tests. Finish shall be a system of stain, sealer, and top coat with UV curing between applications for final sheen of 30-50 gloss.
- B. Interiors: Shall be hardwood face veneers with matching finish to exterior. Finish shall be a system of stain, sealer, and top coat with UV curing between applications.
- C. Drawers: Shall be clear finish natural birch plywood with Maple woodgrain A-tech surfaced bottoms.
- D. Backs: Semi-exposed backs behind doors shall be coated Maple Beige solid color finish. Open and glass door units shall be wood veneer coordinated to cabinet body finish.
- E. Countertop Supports: Shall be available in powder coated Black, White, and Nickel.
- F. Table Legs and Metal Table Frames: Shall be available in powder coated Black.

### 2.02 CORE MATERIALS

- A. Plywood Core Panels: Shall be minimum 7-ply (3/4" thickness) and minimum 9-ply (1" thickness). Plywood and veneer grades shall reference American National Standards Institute (ANSI) / Hardwood Plywood and Veneer Association (HPVA) HPI-2000 standards.
- B. Particleboard: Shall be high performance industrial grade core. Particleboard shall be 45# - 48# density 3-ply type formation conforming to American National Standards Institute (ANSI) A208.1, American Society for Testing and Materials (ASTM) D1037-91A standards, and current applicable CARB (California Air Resources Board) standards.
- C. Medium Density Fiberboard (MDF): Core shall be minimum 48# density conforming to ANSI A208.2 MD-130 standards and current applicable CARB standards.

### 2.03 EDGINGS

- A. Cabinets: Body edges shall be hardwood 1/8" (3mm) thickness with radius edge trim. Finishes and stains as prior specified. Automated hot melt adhesive application and trimming.

- B. Door and Drawer Fronts: Edges shall have 1/8" (3mm) hardwood in species to match face with radius edges and corners. Finishes and stains as prior specified. Automated hot melt adhesive application and trimming.
- C. Cabinet Components: Adjustable shelves and interior component edges shall have 1/8" (3mm) hardwood in species matching face veneers. Automated hot melt adhesive application and trimming.
- D. Drawer Components: Clear finish 3/4" sides shall be edged with flat face wood veneer edging. Automated hot melt adhesive application and trimming.

## 2.04 HARDWARE

- A. 5-Knuckle Overlay 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 five (5) finishes as detailed in Stevens Advantage hardware collections: Grey Chrome, White, Nickel, Black and Oil Rubbed Bronze.
  - Hinges shall be 5-knuckle overlay stainless steel.
- B. Door Catches: Shall be heavy duty spring loaded, large diameter (16mm) 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 doors exceeding 48" shall have catches at both top and bottom.
- C. Pulls: Shall be offered in Easy Grip 128mm (5") size. Pull selection available from Stevens Advantage Pull Collections.
  - Bentwire- 5 selections
    - Essentials- 7 selections
    - Stainless Steel- 2 selections
    - Artisan- 3 selections
    - Studio- 3 selections
    - Antimicrobial- 1 selection
- D. Drawer Slides:
  1. ● Extension slides shall be bottom and side mounted epoxy powder coated steel slides. Lateral stability is achieved through a formed captive slide profile, and slides shall glide on nylon rollers. Slides shall have both in and out positive stop with self-close feature. Slides shall meet AWI 100# dynamic load rating, exceeding Grade 1 as tested SEFA 8.0 Section 6 and/or PL 6.5.1 drawer suspension systems under ANSI/BHMA (Builders Hardware Manufacturers Association) A156.9.
    - Full Extension Slides (All Drawers): Full extension ball bearing slides shall be provided on all drawers. Ball bearing slides shall 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 test with a 120# load. Rating published at 100#.

2. 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.
  3. Lateral File Drawers: Shall have full extension side mounted ball bearing slides with 200# load rating.
- E. Hanger Bars: Shall be heavy chrome plated oval tubing mounted in adjustable end wall sockets.
- F. Trays and Bins: High impact polystyrene or polyethylene formed trays and bins shall be provided where indicated by model numbers. Trays or bins shall be suspended on welded wire powder coated rack system. System includes side suspension rack uprights with top and bottom horizontal guideways to avoid inadvertent tip out.
- G. Shelf Supports: Adjustable shelf supports shall be injection molded clear polycarbonate. Supports shall incorporate integral molded lock tabs to retain shelf from tipping or inadvertent lift out. Supports shall have 5mm diameter double pin engagement into precision bored cabinet vertical hole patterns. Adjustment shall be 1 1/4" (32mm) 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# per 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 27" or less shall have end 4-point support.
- H.       ● Locks: High security SA402 6-tumbler dead bolt lock system shall be provided where noted by model number or indicated on drawings. Locks shall have diecast body with dead bolt engagement tang. (Cylinder locks with attached rotating cams not acceptable.) 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. Each lock provided with a double bit key and face of lock stamped with key number.
- 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 diecast body with dead bolt engagement tang. (Cylinder locks with attached rotating cams not acceptable.) 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. Each lock provided with a double bit key and face of lock stamped with key number.
- I. Sliding Doors: Solid 3/4" doors shall have double channel extrusion tracks both top and bottom. Glass sliding doors shall be tempered and have aluminum top and bottom channel track (bottom track with fiber inserts). Tempered glass doors above 30" tall include door bottom extrusion with track rollers.
- J. 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 designs (single, double, schoolhouse). Styles shall be design coordinated with powder coated Nickel finish. (Cast hooks susceptible to breakage, non-matching finishes or designs not acceptable.)
- K.       □ Numbered Metal Tag Plates: Shall be provided for each drawer and compartment with doors. Tags shall be aluminum with black enamel filled numbers. Tags shall be provided to job for field installation at direction of owner. Sets available in groups of 25, up to 100 sequential numbers.

## 2.05 COMPONENT DETAILS AND CONSTRUCTION

### A. Fronts:

1.
  - Door and Drawer Fronts: Shall be 3/4" thick wood veneer face particleboard, and four (4) sided 1/8" (3mm) hardwood edge with radius edges and corners. Horizontal grain drawer fronts and vertical grain doors. Automated hot melt adhesive application and trimming.
  - Door and Drawer Fronts (Vertical Grain): Shall be 3/4" thick wood veneer face particleboard, and four (4) sided 1/8" (3mm) hardwood edge with radius edges and corners. Grain direction on both drawer and door fronts shall be vertical. Automated hot melt adhesive application and trimming.
2. Glazed Framed 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 trim mounting.
3. Glass Doors: Sliding glass or hinged glass doors shall be tempered or laminated safety glass.

### B. Mounting Frames: Shall be 3/4" thick plywood structural member with minimum two (2) dowel pins per mounting frame end joint.

### C. - Wall Cabinets: Components shall be 3/4" thick plywood 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.)

- Wall Cabinets (Tops and Bottoms 1" Thick): Wall cabinet tops and bottoms shall be 1" thick and include back groove and minimum four (4) dowel pins per joint for insertion into cabinet ends. Wall cabinet ends and interior components shall be 3/4" thick with back grooves 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.)

### D. Tall Cabinets: Components shall be 3/4" thick plywood 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 shall have three (3) integral (dowel into end) mounting frames. (Designs with simple spacer rails or rails without dowel pin engagement into ends are not acceptable.)

### E. Base Cabinets: Components shall be 3/4" thick plywood 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 frame feature. A frame (8" wide) 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 frame (8" wide) 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 and ease of installation of mechanical services. A second horizontal mounting frame doweled into ends located at lower rear. (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. ● Integral Toe Kicks 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 shall 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. 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 glides 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 (PVC): 4" high ladder toe base shall be 3/4" expanded PVC.
- G. Backs:
1. Cabinet Back System: Shall be composed of a 1/4" prefinished MDF back captured in side and horizontal grooves. Unit back shall be further integrated with attachment to 3/4" doweled-in mounting frames. Fixed backs are mechanically fastened into grooves and sealed with hot melt adhesive. Glass door and open backs shall be wood veneer coordinated to match exteriors and captured in grooves and fastened as previously described. Combination of back with 3/4" frame creates a 1" integrated structural mounting system. (compliant to AWI Premium Grade and SEFA Performance Testing)
  2. Removable Backs: Shall be in sink cabinets, set in bottom groove and attached to back frames with screws.
- 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 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 A-tech Maple woodgrain trapped in groove four (4) edges as well as mechanically fastened. (Drawers with overlay applied bottoms, non-captured groove, or staple butt or lap joint construction not acceptable.)
- J. File Drawers: Shall be a four (4) sided box design with separate attached front. Drawer members shall be laminated and have dowel pin 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. 1/2" file drawer sides shall include file hanging rails. Full extension ball bearing suspensions shall be BIFMA 120# load tested slides.
- K. Lateral File Drawers: Shall have dowel pin and bolt-through construction. Lateral file drawers shall have full extension side mounted ball bearing slides with 200# load rating.
- L. □ Crossbar File Hangers: Additional crossbar file hangers shall be provided for cross filing of legal and letter files in file drawers.

## 2.06 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:

- Laminate Tops shall be 1 1/16" (27mm) thick with solid core structures and laminated with backer sheet. Countertops shall be high pressure decorative plastic laminate, thermoset to core using catalyzed Polyvinyl Acetate (PVA) glue with minimum average pressure of 80 Pounds per Square Inch (PSI) and average 180 degree F temperature. Decorative laminate shall meet National Electrical Manufacturers Association (NEMA) LD3-2005 PF-42 (.042") specification standards. Countertops shall be 3mm edged with 3mm edged applied backsplash. Laminate patterns chosen from Stevens Advantage Color Selector. 3mm edging matching from Stevens Advantage Color Selector.

Design required (choose one):

- LS05C27: CARB compliant composite 45# industrial particleboard core
  - LS05M27: Moisture resistant/NAF (no added formaldehyde) particleboard core
  - LS05P27: Multi-ply plywood core
- Chemical Resistant Laminate Tops shall be 1 1/16" (27mm) thick with solid core structures and laminated with backer sheet. Countertops shall be high pressure chemical resistant decorative laminates, thermoset to core using catalyzed Polyvinyl Acetate (PVA) glue with minimum average pressure of 80 Pounds per Square Inch (PSI) and average 180 degree F temperature. Countertops shall be 3mm edged with 3mm edged applied backsplash. Patterns shall be Black or chosen from Stevens Advantage Chemical Resistant Laminate Group.

Design required (choose one):

- LS25C27: CARB compliant composite 45# industrial particleboard core
  - LS25M27: Moisture resistant/NAF (no added formaldehyde) particleboard core
  - LS25P27: Multi-ply plywood core
- Epoxy Resin Tops shall be available in basic Black. Epoxy resin tops shall meet and/or exceed industry standards. Tops shall be factory fabricated and drilled, with exposed cutouts and edges dressed with factory finish. Leading edges shall have corner radius and include bottom drip grooving. Epoxy sinks shall be Black and installed with epoxy sealant at joints and sink applications.

Design required (choose one):

- ES00BL19: 3/4" Black epoxy with applied backsplash
  - ES00BL25: 1" Black epoxy with applied backsplash
  - ES02BL25: 1" Black epoxy with marine edge and applied backsplash



- 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 downturned leading edges with overall top thickness of 1 1/8" (29mm). Faces shall be polished to a matte suede finish with 3mm 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 and endsplashes at end walls and tall cabinet ends. Acrylic sink bowls shall be factory installed integral one (1) piece. Manufacturer's standard color offering.

Design required (choose one):

- PS60C29: 3mm radius top and bottom edges (3R/3R)
  - PS62C29: 6mm bevel top and bottom edges (6B/6B)
  - PS64C29: 6mm radius top and bottom edges (6R/6R)
- Stainless Steel Tops shall be Type 304 16 gauge stainless steel. All exposed surfaces shall be reinforced on the underside with Plywood core (P) or 16 gauge Stainless Steel rails (R) to prevent twisting, oil-canning or buckling. Exposed edge of tops, top edge of curbs and backsplashes shall be formed into a channel shape. All tops having built-in sinks shall have a raised rim 1" wide on all sides. Where stainless steel sinks are supplied, the sink bowl shall be welded to the top to form an integral part. All welds shall be ground smooth and polished to a uniform satin finish over the entire top and sink assembly. Soldering of sinks, curbs, or backsplashes to the top will not be permitted. Mechanical joints or field joints, where made necessary by size, shall be a tight butt joint of the top surfaces, reinforced and held in alignment with steel reinforcements.

Design required (choose one):

- SS00P27: Formed edge design, 1 1/16" (27mm) thick, with plywood core and integral backsplash
  - SS00R27: Formed edge design, 1 1/16" (27mm) thick, with stainless steel rail and integral backsplash
  - SS01P32: Marine edge design, 1 1/4" (32mm) thick, with plywood core and integral backsplash
  - SS01R32: Marine edge design, 1 1/4" (32mm) thick, with stainless steel rail and integral backsplash
- Phenolic Tops shall be factory fabricated and drilled with exposed cutouts and edges dressed and polished. Leading edges shall have bevel corners. Sink cutouts provided for stainless steel sinks or premachined for drop-in Black epoxy sinks. Tops shall have chemical resistant face with black edge. Applied backsplashes shall be 3/4" thick with bevel corners and dressed polished edges.

Design required (choose one):

- AP01S19: 3/4" (19mm) thick, with Black chemical resistant face
  - AP01S25: 1" (25mm) thick, with Black chemical resistant face

- AP02S19: 3/4" (19mm) thick, with Decorative chemical resistant face, chosen from Stevens Advantage Phenolic Group
- AP02S25: 1" (25mm) thick, with Decorative chemical resistant face, chosen from Stevens Advantage Phenolic Group

## 2.07 TABLES

### Choose one or more table series:

- 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 with Disabilities Act (ADA) specifications.
    - 2. Shall include 14-gauge channel (welded in) diagonal corner strut. Aprons shall also have outside 90 degree corner brackets welded to aprons, forming a rigid leg pocket.
  - C. Legs: 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. Tube leg to include insert with threaded adjustable nylon glide. Glide shall incorporate a fixed floor attachment feature. Legs include a vinyl protective boot.
  - D. Frames and Legs: Shall be available in powder coated Black.
  - E. Table Tops: Shall be available in Laminate, Chemical Resistant Laminate, Epoxy Resin, Solid Surface (Polymer Resin), and Phenolic. (Tops specified through model number selection.)
  - F. Table Design Additions:
    - Shall have added formed horizontal "C" channels to allow use of Bins or Trays as slide-under accessory drawers. (Specified through model number.)
    - Shall have added student book boxes bolted into the apron frames. (Specified through model number.)
- APRON STEEL LEG TABLES- STEVENS ADVANTAGE 49800 SERIES
  - A. Stevens Advantage 49800 Series Tables: Shall be constructed with 5" wide apron rails. Aprons shall have double diagonal formed-steel corner gussets reinforced and exclusive retainer bracket. 1" thick plywood aprons shall have face to match casework selection.

B. Legs:

1. Shall be 2" x 2" cold roll 14-gauge steel tubing with two (2) 1/4"- 20 corner anchor bolts. Tube legs shall have retainer bracket for clamping onto wood apron members. Tube legs to include insert with threaded adjustable nylon glide. Glide shall incorporate a fixed floor attachment feature. Legs include a vinyl protective boot.
2. Tube legs shall be available in powder coated Black.

C. Table Tops: Shall be available in Laminate, Chemical Resistant Laminate, Epoxy Resin, Solid Surface (Polymer Resin), and Phenolic. (Tops specified through model number selection.)

D. Table Design Additions:

- Shall have added formed horizontal "C" channels to allow use of Bins or Trays as slide-under accessory drawers. (Specified through model number.)
  - Shall have added student book boxes bolted into the apron frames. (Specified through model number.)
- APRON WOOD LEG TABLES- STEVENS ADVANTAGE 49900 SERIES

A. Stevens Advantage 49900 Series Tables: Shall be constructed with wide apron rails. Aprons shall have double diagonal formed-steel corner gussets reinforced and exclusive retainer bracket. 1" thick plywood aprons shall have face to match 4700 Series casework veneer finishes.

B. Legs:

- Shall be 2 1/4" x 2 1/4" laminated hardwood with two (2) 5/6"- 18 corner anchor bolts.
- Shall have adjustable leveler guide with molded boot. A means of affixing legs to floor where required by code for installed electrical receptacles and fixtures shall be provided.

C. Finishes: Shall be available in standard finishes of 4700 Series offering.

D. Table Tops: Shall be available in Laminate, Chemical Resistant Laminate, Epoxy Resin, Solid Surface (Polymer Resin), and Phenolic. (Tops specified through model number selection.)

E. Table Design Additions:

- Shall have added formed horizontal "C" channels to allow use of Bins or Trays as slide-under accessory drawers. (Specified through model number.)
- Shall have added student book boxes bolted into the apron frames. (Specified through model number.)

## PART 3 EXECUTION

### 3.01 INSTALLATION

- A. Installer shall 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 shall 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 tops with a satisfactory corrugated material and casework with 4-mil polyethylene film for protection against soiling and deterioration during remainder of construction period.

END OF SECTION