

Seaside Rehabilitation and Health Care Center
Portland, Maine

SECTION 123560 - RESIDENTIAL CASEWORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Wood-faced cabinets.
 - 2. Wood-faced vanity cabinets.
 - 3. Post formed plastic-laminate countertops and backsplashes.
- B. Related Sections include the following:
 - 1. Division 05 Section "Metal Fabrications" for steel countertop supports.
 - 2. Division 06 Section "Architectural Woodwork" for custom fabricated cabinets and countertops, for custom fabricated upper shelving unit in Community Rooms 153 and 253, and for solid-surfacing countertops and vanity tops with integral sinks.
 - 3. Division 10 Section "Toilet and Bath Accessories" for medicine cabinets.
 - 4. Division 22 Sections for drop-in sinks and for plumbing fittings and venting connections.
 - 5. Division 26 Sections for conduit and connections installed in casework for residential appliances.

1.3 DEFINITIONS

- A. Exposed Surfaces of Cabinets: Surfaces visible when doors and drawers are closed, including visible surfaces in open cabinets or behind glass doors.
- B. Semiexposed Surfaces of Cabinets: Surfaces behind opaque doors or drawer fronts, including interior faces of doors and interiors and sides of drawers. Bottoms of wall cabinets are defined as "semiexposed."
- C. Concealed Surfaces of Cabinets: Surfaces not usually visible after installation, including sleepers, web frames, dust panels, bottoms of drawers, and ends of cabinets installed directly against and completely concealed by walls or other cabinets. Tops of wall cabinets and utility cabinets are defined as "concealed."

1.4 SUBMITTALS

- A. General: Submit in accordance with Division 01 Section "Submittal Procedures."
- B. Product Data: For the following:
 - 1. Cabinets.
 - 2. Postformed plastic-laminate countertops.
 - 3. Cabinet hardware.

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- C. Shop Drawings: For cabinets and countertops. Include plans, elevations, details, and attachments to other work. Show materials, finishes, filler panels, hardware, edge and backsplash profiles, methods of joining countertops, and cutouts for plumbing fixtures.
- D. Samples for Initial Selection: As follows:
 - 1. Cabinet Finishes: For each species indicated, submit manufacture's wood samples, not less than 4 by 4 inches, showing each transparent (stained) finishes available.
 - 2. Plastic Laminate: Submit manufacture's samples showing full range of color options.

1.5 QUALITY ASSURANCE

- A. Source Limitations for Cabinets: Obtain cabinets through one source from a single manufacturer.
- B. Quality Standards: Unless otherwise indicated, comply with the following standards:
 - 1. Cabinets: KCMA A161.1.
 - a. KCMA Certification: Provide cabinets with KCMA's "Certified Cabinet" seal affixed in a semiexposed location of each unit and showing compliance with the above standard.
 - 2. Plastic-Laminate Countertops: KCMA A161.2.

1.6 PROJECT CONDITIONS

- A. Environmental Limitations: Do not deliver or install casework until building is enclosed, wet-work is complete, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.
- B. Established Dimensions: Where casework is indicated to fit to other construction, establish dimensions for areas where casework is to fit. Coordinate construction to ensure that actual dimensions correspond to established dimensions. Provide fillers and scribes to allow for trimming and fitting.
- C. Field Measurements for Countertops: Verify dimensions of countertops by field measurements after base cabinets are installed but before countertop fabrication is complete. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

1.7 COORDINATION

- A. Coordinate layout and installation of blocking and reinforcement in partitions for support of casework.
- B. Coordinate locations of utilities that will penetrate countertops or backsplashes.

PART 2 - PRODUCTS

2.1 CABINET MATERIALS

- A. General:
 - 1. Hardwood Lumber: Kiln dried to 7 percent moisture content.
 - 2. Hardwood Plywood: HPVA HP-1.
 - 3. Particleboard: ANSI A208.1, Grade M-2.

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- B. Exposed Materials:
 - 1. Exposed Wood Species: As indicated for each cabinet style .
 - a. Select materials for compatible color and grain. Do not use two adjacent exposed surfaces that are noticeably dissimilar in color, grain, figure, or natural character markings.
 - b. Staining and Finish: As selected by Architect from manufacturer's full range.
 - 2. Solid Wood: Clear hardwood lumber of species indicated, free of defects.
 - 3. Plywood: Hardwood plywood with face veneer of species indicated and back veneer of manufacturer's standard interior hardwood species.
 - a. Edge band exposed edges with solid-wood edging of same species as face veneer.
- C. Semiexposed Materials: Unless otherwise indicated, provide the following:
 - 1. Solid Wood: Sound hardwood lumber, selected to eliminate appearance defects. Same species as exposed surfaces.
 - 2. Plywood: Hardwood plywood with faces of manufacturer's standard interior hardwood species.
- D. Concealed Materials: Solid wood or plywood of any hardwood species, with no defects affecting strength or utility.

2.2 CABINET HARDWARE

- A. Pulls: Back-mounted decorative pulls.
- B. Hinges: Concealed European-style self-closing hinges.
- C. Drawer Guides: Epoxy-coated-metal, self-closing, full extension drawer guides; designed to prevent rebound when drawers are closed; with nylon-tired, ball-bearing rollers; 100 pound capacity.

2.3 CABINETS

- A. Product: Armstrong World Industries, Inc.; Premier Series. Provide Universal Access (ADA accessible) cabinets at designated locations.
 - 1. Style: LaCerise Arch (cherry).
 - a. Finish (Stain): As selected by Architect from full range of options.
 - 2. Upgrade: Provide dovetail drawers with full extension drawer glides, upgraded end panels, and upgraded wood panels for all exposed locations.
 - 3. Door and Drawer Pulls: Top Knobs Décor; Pennington Bar Pull, Model M1002.
 - a. Finish: Satin nickel.
 - 4. Accessories:
 - a. Crown Molding: Solid cherry stained to match cabinets.
 - 1) Product: Royal Crown Molding, Model No. RCM4S.
 - b. ADA Sink Apron: Solid cherry stained to match cabinets, 6 inches wide by 3/4-inch thick.
 - 1) Product: Cabinet Filler, Model No. UF642.
 - 5. Locations: All locations receiving manufactured casework, except as indicated otherwise.
- B. Product: Armstrong World Industries, Inc.; Premier Series.
 - 1. Style: Moderno (maple).
 - a. Finish (Stain): As selected by Architect from full range of options.

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2. Upgrade: Provide dovetail drawers with full extension drawer glides, upgraded end panels, and upgraded wood panels for all exposed locations.
 3. Door and Drawer Pulls: Top Knobs Décor; Pennington Bar Pull, Model M1002.
 - a. Finish: Satin nickel.
 4. Accessories: Provide locks for casework in Med Rooms.
 5. Locations: Med Room 121, Charting Area of Nurses' Station 122, Med Room 221, and Charting Area of Nurses' Station 222.
- C. Face Style: Flush overlay; door and drawer faces cover cabinet fronts with only enough space between faces for operating clearance.
- D. Cabinet Style: Face Frame.
- E. Door and Drawer Fronts:
1. LaCerise Arch: Solid-wood stiles and rails, 3/4 inch thick, with solid raised center panel; arch design for wall cabinets and square design for base cabinets.
 2. Moderno: Solid-wood, 3/4 inch thick.
- F. Face Frames: 3/4-inch thick solid wood to match exposed species; stiles shall be 1-1/2 inches wide and rails shall be 1-3/4 inches wide.
- G. Exposed Cabinet End Finish: Wood veneer, exterior veneer to match cabinet species, interior veneer to be manufacturer's standard.
1. Exposed cabinet ends shall include ends of cabinets exposed at knee spaces, open sink bases, and similar conditions.
- H. Cabinet End Construction: 1/2-inch- thick plywood.
- I. Cabinet Tops and Bottoms: 1/2-inch- thick particleboard , fully supported by and secured in rabbets in end panels, front frame, and back rail.
- J. Back, Top, and Bottom Rails: Hardwood plywood, interlocking with end panels and rabbeted to receive top and bottom panels. Back rails secured under pressure with glue and with mechanical fasteners.
- K. Base-Unit Back Panels: 1/8-inch- thick hardboard fastened to rear edge of end panels and to top and bottom rails.
- L. Drawers: Fabricate with exposed fronts fastened to subfront with mounting screws from interior of body.
1. Join subfronts, backs, and sides with glued dovetail joints.
 2. Subfronts, Backs, and Sides: 5/8-inch-thick solid wood.
 3. Bottoms: 3/16-inch-thick hardwood plywood; inserted into dado in front, back and sides; glued and stapled to sides.
- M. Shelves: 5/8-inch- thick particleboard.
- N. Joinery: Rabbet backs flush into end panels and secure with concealed mechanical fasteners. Connect tops and bottoms of wall cabinets and bottoms and stretchers of base cabinets to ends and dividers with mechanical fasteners. Rabbet tops, bottoms, and backs into end panels.
- O. Factory Finishing: Finish cabinets at factory. Defer only final touchup until after installation.

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2.4 POSTFORMED PLASTIC-LAMINATE COUNTERTOPS

- A. Configuration: Provide countertops with the following front, cove (intersection of top with backsplash) and backsplash:
 - 1. Front: No drip (raised marine edge with rolled front).
 - 2. Cove: Cove molding (one-piece postformed laminate supported at junction of top and backsplash).
 - 3. Backsplash: Radius edge with scribe.
 - 4. Core: Moisture-resistant Medex or particle board core and build-down strip for entire top with a sink.
 - 5. Laminate: Grade HGP, Matte finish, color as selected by Architect.
 - 6. Product: Hartson-Kennedy Cabinet Top Co. Inc., 800-388-8144.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install cabinets with no variations in flushness of adjoining surfaces; use concealed shims. Where cabinets abut other finished work, scribe and cut for accurate fit. Provide filler strips, scribe strips, and moldings in finish to match cabinet face.
- B. Install cabinets without distortion so doors and drawers fit openings and are aligned. Complete installation of hardware and accessories as indicated.
- C. Install cabinets and countertop level and plumb to a tolerance of 1/8 inch in 8 feet.
- D. Fasten cabinets to adjacent units and to backing.
 - 1. Fasten wall cabinets through back, near top and bottom, at ends and not less than 24 inches o.c. with No. 10 wafer-head screws sized for 1-1/4 inch penetration into concealed wood blocking, or hanging strips.
- E. Fasten plastic-laminate countertops by screwing through corner blocks of base units or other supports into underside of countertop. Form seams using splines to align adjacent surfaces, and secure with glue and concealed clamping devices designed for this purpose.
 - 1. Provide cutouts for sinks, including holes for faucets and accessories.
 - 2. Seal edges of cutouts by saturating with varnish.

3.2 ADJUSTING AND CLEANING

- A. Adjust cabinets and hardware so doors and drawers are centered in openings and operate smoothly without warp or bind. Lubricate operating hardware as recommended by manufacturer.
- B. Clean casework on exposed and semiexposed surfaces. Touch up factory-applied finishes to restore damaged or soiled areas.

END OF SECTION 123560