SECTION 06 4100
ARCHITECTURAL WOOD CASEWORK

PART 1 GENERAL

1.01 SECTION INCLUDES
   A. Specially fabricated cabinet units.
   B. Cabinet hardware.

1.02 RELATED REQUIREMENTS
   A. Section 12 3600 - Countertops.

1.03 REFERENCE STANDARDS
   A. BHMA A156.9 - American National Standard for Cabinet Hardware; 2010.

1.04 SUBMITTALS
   A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
   B. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
      1. Scale of Drawings: 1-1/2 inch to 1 foot, minimum.
   C. Product Data: Provide data for hardware accessories.

1.05 QUALITY ASSURANCE
   A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.

PART 2 PRODUCTS

2.01 CABINETS
   A. Quality Grade: Unless otherwise indicated provide products of quality specified by AWI/AWMAC/WI (AWS) for Custom and Premium Grade.
   B. Plastic Laminate Faced Cabinets: Custom grade.
   C. Cabinets:
      2. Finish - Concealed Surfaces: Manufacturer's option.
      3. Door and Drawer Front Edge Profiles: Square edge with 3mm PVC Edgebanding.
   D. Adjustable Shelf Loading: 50 lbs. per sq. ft.
   E. Cabinet Style: Flush overlay.
      2. Drawer Side Construction: Doweled.
      3. Drawer Construction Technique: Dowel joints.

2.02 WOOD-BASED COMPONENTS
   A. Wood fabricated from old growth timber is not permitted.

2.03 LAMINATE MATERIALS
   A. Manufacturers:
      4. Octolam.
   B. Provide specific types as indicated.
      1. Horizontal Surfaces: HGS, 0.048 inch nominal thickness, through color, colors as indicated, finish as indicated.
      2. Vertical Surfaces: VGS, 0.028 inch nominal thickness, through color, colors as indicated, finish as indicated.
3. Post-Formed Horizontal Surfaces: HGP, 0.039 inch nominal thickness, through color, colors as indicated, finish as indicated.
4. Cabinet Liner: CLS, 0.020 inch nominal thickness, through color, colors as indicated, finish as indicated.

C. Laminate Schedule:
1. Coordinate with Spectrum Health Interior Designer for color selections.
2. Menamine is acceptable for cabinet interiors.
3. No textured laminates will be accepted.

2.04 COUNTERTOPS
A. Countertops are specified in Section 12 3600.

2.05 ACCESSORIES
A. Adhesive: Type recommended by fabricator to suit application.
B. Fasteners: Size and type to suit application.
C. Grommets: Standard plastic, painted metal, or rubber grommets for cut-outs, in color to match adjacent surface.

2.06 HARDWARE
A. Hardware: BHMA A156.9, types as recommended by fabricator for quality grade specified.
B. Adjustable Shelf Supports: Standard side-mounted system using recessed metal shelf standards or multiple holes for pin supports and coordinated self rests, polished chrome finish, for nominal 1 inch spacing adjustments.
C. Drawer and Door Pulls: "U" shaped wire pull, steel with chrome finish, 4 inch centers.
D. Cabinet or Drawer Locks: Keyless digital cam locks.
   1. Product: KitLock KL1000 in standard Silver Gray finish.
E. Drawer Slides:
   1. Type: Extension types as indicated.
   2. Static Load Capacity: Heavy Duty grade.
   4. Stops: Integral type.
   5. Features: Provide self closing/stay closed type.
F. Hinges: European style concealed self-closing type, steel with polished finish.

2.07 FABRICATION
A. Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.
B. Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length.
C. Fitting: When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide matching trim for scribing and site cutting.
D. Plastic Laminate: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises. Locate counter butt joints minimum 2 feet from sink cut-outs.
E. Provide cutouts for plumbing fixtures. Verify locations of cutouts from on-site dimensions. Prime paint cut edges.

PART 3 EXECUTION

3.01 EXAMINATION
A. Verify adequacy of backing and support framing.
B. Verify location and sizes of utility rough-in associated with work of this section.
3.02 INSTALLATION
   A. Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.
   B. Use fixture attachments in concealed locations for wall mounted components.
   C. Use concealed joint fasteners to align and secure adjoining cabinet units.
   D. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim for this purpose.
   E. Secure cabinets to floor using appropriate angles and anchorages.

3.03 ADJUSTING
   A. Adjust installed work.

3.04 CLEANING
   A. Clean casework, counters, shelves, hardware, fittings, and fixtures.

END OF SECTION 06 4100