

**SECTION 12372 - KITCHEN AND BATH CASEWORK****PART 1 GENERAL****A. RELATED DOCUMENTS**

1. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

**B. SUMMARY**

1. This Section includes:
  - a. Wood kitchen cabinets
  - b. Plastic Laminate countertops and backsplashes
  - c. Wood Bathroom vanities.
  - d. Undersink insulation guard
  - e. Cultured stone bathroom vanity sinks
2. Related Sections: The following Sections contain requirements that relate to this Section:
  - a. Division 15 Section "Plumbing Fixtures" for sink units mounted in countertops.
3. For accessible units all countertops and sinktops are set at 34" off finish floor. Modify all standard casework units to fit this dimension.
4. Barrier-free units are to meet all ADA requirements.

**C. DEFINITIONS**

1. Exposed Surfaces: Surfaces visible when drawers and opaque doors are closed or bottoms of casework 43 inches or more above finished floor.
2. Semi-exposed Surfaces: Surfaces which become visible when opaque doors are open or drawers are extended; bottoms of casework more than 30 inches above finished floor.
3. Concealed Surfaces: Surfaces considered concealed are those surfaces not visible after installation; bottoms of casework less than 30 inches above finished floor; tops of casework over 78 inches above finished floor and not visible from an upper level; stretchers, blocking, and components concealed by drawers.
4. Flush Overlay: Door and drawer faces cover cabinet frame with space between faces sufficient for operating clearance.

**D. SUBMITTALS**

1. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.
  - a. Product data for each casework type specified.
  - b. Shop drawings for casework showing location and size, accessories, materials, finishes, and filler panels. Include fully dimensioned plans, elevations, and anchorage details to countertop and walls.
  - c. Shop drawings for countertops showing sizes, shapes, edge and backsplash profiles, cutouts for plumbing fixtures, and methods of joining.
  - d. Samples for initial selection purposes in the form of manufacturer's color charts consisting of sections of units showing full range of colors, textures, and patterns available for each type of material indicated or exposed to view.
  - e. 1 inch x 3 inch samples of plastic laminate for countertops from manufacturer's full range of standard solid colors and patterns.

**E. QUALITY ASSURANCE**

1. Kitchen Casework: Comply with ANSI/NKCA A161.1 1990.

2. NKCA Certification: Provide kitchen casework with National Kitchen Cabinet Association (NKCA) "Certified Cabinet" seal affixed in a semi-exposed location of each unit, evidencing compliance with above standard.
    - a. Single-Source Responsibility: Obtain casework from one source from a single manufacturer.
- F. DELIVERY, STORAGE, AND HANDLING
1. Deliver casework as a factory-assembled unit, packaged individually, and shipped each in its own carton.
- G. PROJECT CONDITIONS
1. Environmental Conditions: Comply with casework manufacturer's recommendations for optimum temperature and humidity conditions during storage and installation. Do not install casework until these conditions have been attained and stabilized.
  2. Field Measurements: Verify casework dimensions by field measurements. Verify kitchen casework can be installed in compliance with the original design and referenced standards.
  3. Field Measurements: Verify countertop size and shape prior to fabrication by field measurements taken after base units are installed.

## PART 2 PRODUCTS

### A. MANUFACTURERS

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  - a. Kitchen and Bath Casework:
    - (1) Merillat Industries, Inc.
    - (2) Triangle Pacific Corp.
    - (3) Yorktowne Cabinets
  - b. Plastic Laminate for Countertops:
    - (1) Formica Corp.
    - (2) Laminart
    - (3) Nevamar Corp.
    - (4) Pionite
    - (5) Wilson Plastics Co., Dart Industries, Inc.
  - c. Undersink insulation guard: Trubro Inc. moulded poly undersink pipe insulation.
  - d. Bathroom vanity sinks: Provide molded synthetic marble vanity top with integral standard oval sink, in dimensions indicated on the drawings. Deck to be 3-hole drilled to receive faucet and have integral backsplash. Manufacturer to be Virginia Marble, Lehigh Cultured Marble Inc. (www.lecumar.com) or approved equal. Color to be selected by Architect from manufacturer's standard full range of solid colors.

### B. WOOD CASEWORK

1. To establish design intent, style and quality desired, the specifications are based on "Coronet" series cabinets modified to meet HUD Severe Use Material Specifications as manufactured by IXL Cabinets.
  - a. Face Style: Traditional reveal overlay.
  - b. Face Frame: 3/4 inch x 1 5/8 inch solid kiln-dried hardwood frame rails and stiles with glued mortise and tenon joints. Center stiles shall be 3/4 inch thick by 3 inches wide. Stain (color 1) and clear finish-stain finish shall be selected by Architect for manufacturer's full color selections.
  - c. Concealed Surfaces: 1/2 inch thick exterior grade hardwood plywood.
  - d. End Panels: 1/2 inch thick 5-ply 2-2 grade exterior hardwood plywood, dadoed a minimum of 1/4 inch deep to receive shelves, bottoms and tops.
  - e. Base Bottoms: 1/2 inch thick exterior hardwood plywood let into end panels, front rails and installation cleats supported by 3/4 inch solid pressure treated braces 24 inches o.c. running front to rear of cabinet.
  - f. Shelves and wall cabinet bottoms: 1/2 inch thick 2-2 grade exterior hardwood plywood with solid wood banded front edge let into dadoes of end panels and braced behind mulls.

- g. Back Panels: 1/4-inch-thick 2-2-grade exterior hardwood plywood with solid wood edge bands let into dados of end panels, braced behind mulls.
- h. Exposed Edge Treatment: Hardwood
- i. Doors and Drawer Fronts: Solid plantation hardwood, raised panel styling milled into a single panel of edge-glued wood. Edges shall be chamfered. Stain (color 2) and clear finish. Stain finish shall be selected by Architect from manufacturers full color selections.
- j. Drawers: Fabricate with front, bottom, and back rabbeted in sides and secured with glue and mechanical fasteners as follows:
  - (1) Subfronts, Sides, and Backs: 11/16 inch thick "c" grade or better solid lumber with sides dove tailed into fronts.
  - (2) Bottoms: 1/4 inch thick exterior hardwood plywood let into front sides and backs set into rabbets in back, sides, and front.
  - (3) Drawer Suspension: Provide for a minimum capacity of 75 lbs., with twin track, side-mounted metal drawer-glide suspension. Provide self-closing feature and positive stop. Cabinet member guides attached at rear to 3/4 inch x 7 1/2 inch solid lumber hanging rail with additional cleats attached to end panels to support draw suspension at midpoint.
- k. Joinery: Rabbeted 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.
- l. Subbase: 3/4 inch thick solid pressure treated lumber.
- m. Toe Board: 3/4 inch pressure treated solid lumber, attached to subbase with concealed fasteners. Exposed corners at base shall be square for vinyl base corners. Vinyl base specified in Section 09650.

#### C. CASEWORK HARDWARE

- 1. General: Manufacturer's standard units complying with ANSI A156.9, of type, material, size, and finish as selected from manufacturer's standard choices.

#### D. COUNTERTOPS, PLASTIC LAMINATE

- 1. General: Comply with ANSI A161.2.
- 2. Countertop, Backsplash, and Endsplash Fabrication: Plastic laminate GP 50 on 3/4-inch particleboard.
- 3. Configuration: Provide countertops with the following front style, cove, and backsplash style:
  - a. Front Style: No drip or Rolled.
  - b. Cove: Direct bond.
  - c. Backsplash and Endsplash Style: Curved or waterfall shape with scribe.

### PART 3 EXECUTION

#### A. EXAMINATION

- 1. Examine areas and substrates to receive casework for compliance with requirements and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.
  - a. Walls are plumb, and all finish has been installed.
  - b. Gypsum wallboard to be covered by casework has been painted.
  - c. Adequate blocking to anchor casework to floor and walls has been installed.
  - d. Plumbing rough in is complete.

#### B. INSTALLATION

- 1. Install casework with no variations in flushness of adjoining surfaces, using concealed shims. Where casework abuts other finished work, scribe, and cut for accurate fit. Provide filler strips, scribe strips, and moldings in finish to match casework face.

2. Install casework without distortion so that doors and drawers fit openings properly and are aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. Complete the installation of hardware and accessories as indicated.
  3. Install casework and countertop level and plumb to a tolerance of 1/8 inch in 8 feet.
  4. Fasten unit of casework to adjacent unit and into structural support members of wall construction with #10 sheet metal or wood screws with washer head or washer.
  5. All countertops and sinktops are to be set at 34" off finish floor.
  6. Fasten plastic laminate countertops by screwing through corner blocks in base units into the underside of countertop. Glue joints with spline in countertops and provide concealed mechanical clamping of joint.
- C. ADJUSTING AND CLEANING
1. Adjust hardware to center doors and drawers in openings and lubricate to provide unencumbered operation.
  2. Clean casework on exposed and semi-exposed surfaces. Touch up factory-applied finishes to restore damaged or soiled areas.
  3. Provide final protection and maintain conditions that ensure casework remains without damage or deterioration at time of Substantial Completion, in a manner suitable to Installer.

**END OF SECTION 12372**