

SECTION 06 41 00.02

ARCHITECTURAL WOOD CASEWORK- TO BE MERGED

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. All labor, materials, equipment and services necessary to complete the new kitchen cabinet/countertop installation and related work in renovated/reconfigured apartments as indicated on the Drawings and/or specified herein including, but not limited to, the following:
 - 1. Base and sink base cabinets with removable fronts as indicated and countertops.
 - 2. Removable base cabinets as shown on Drawings.
 - 3. Wall cabinets, including open shelf above sinks.
 - 4. Pantry cabinets.
 - 5. Broom closet cabinets.
 - 6. Provide all other labor and materials as may be reasonably inferred to be required to make the Work of this Section complete.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

- A. Where separate adjoining cabinets are indicated on the Drawings, the Contractor may provide a single cabinet of the overall size, with the number of doors, drawers, etc. as required for the individual cabinets, provided that the single cabinet is reinforced or otherwise substantially constructed.
- B. The following manufacturers have indicated an ability to provide cabinets meeting the specifications as set forth herein:
 - 1. Evans Cabinet Corporation, 1321 North Franklin Street, Dublin, GA 31021, Tel: (478) 272-2530, Fax: (478) 272-2731
 - 2. Armstrong Wood Products, 16803 North Dallas Parkway, Suite 200, Addison, TX 75001, Tel: (214) 887-2411, Fax: (800) 535-6512
 - 3. Republic Industries, 1400 Warren Drive, Marshall, TX 75671, Tel: (903) 935-3680, Fax: (903) 935-3697
 - 4. AAA Cabinet Company, 51-02 21st Street, Long Island City, NY 11101, Tel: (718) 392-2980, Fax: (718) 482-9520
- C. Countertops, including splashboards, shall have a 5-year extended guarantee against de-lamination and other defects in materials, construction and workmanship, and shall be in effect from the date of acceptance of cabinet units installed. The Contractor shall furnish labor and material as required to replace defective units.
- D. The Contractor shall provide openings (knock-out panels) for access to hose bibb in the side of all sink base cabinets adjacent to washing machine spaces as indicated on the Drawings.
- E. The Contractor shall furnish removable base cabinets for all washing machine spaces as indicated on the Drawings. Cabinets shall be installed at locations as designated by NYCHA Development Management; all other cabinets shall be turned over to Management for storage.

2.02 MATERIALS

- A. Lumber shall be of the best grade obtainable of the respective kinds as defined by the rules of the recognized associations of lumber manufacturers producing the materials herein specified and shall be thoroughly dried to a moisture content of 6 percent.
- B. Plywood shall conform to U.S. Product Standard PS 1-07, Interior type bonded with exterior glue for all components of the cabinets and counter tops where plywood is specified. Plywood grades shall be as follows: B-C for counter tops; B for cabinet interiors including shelves, and for tops and bottoms; and a grade suitable for natural finish for doors, drawer fronts, and end panels. Specified plywood thickness is nominal dimension and carries a tolerance of 10%. $\frac{3}{4}$ " plywood shall be 7 ply, $\frac{1}{2}$ " plywood shall be 5-ply and $\frac{1}{4}$ " plywood shall be 3-ply.

- C. Plastic laminate shall conform to Federal Specification L-P-508G, Type I, Class 1 General Purpose and shall have a satin finish. Laminate shall meet the performance requirements of the National Electrical Manufacturers Association Publication No. LD 3-1975, for the NEMA grade designations specified. Laminate shall be decorative type with a cream color or standard colors and patterns selected by the Authority.
- D. Adhesive for plastic laminate shall be water resistant contact adhesive or equal.
- E. Glue shall be yellow wood type (hot melt is not acceptable).

2.03 SOLID SURFACE COUNTERTOPS

- A. All new base cabinets including cabinets under sinks shall have laminated post formed countertops meeting the requirements herein specified and as indicated on the Drawings. Splashboards shall be self-edged with plastic laminate.
- B. Substrate for deck and splashboard shall be 5-ply, 3/4" exterior plywood. Splashboards shall extend a minimum of 4" above the deck surface and shall be secured to deck with wood blocks which are secured to deck and splashboards with 2" long, cadmium plated #8 wood screws at 9" o.c.
- C. Front and sides of all countertops shall overhang base cabinets. Tops shall be secured to base with a minimum of four wood screws, one in each corner. Provide full side splashboard at walls or partial where window exists.
- D. Except for removable base cabinets, countertops shall be continuous over adjoining cabinets.
- E. Countertop color and finish 4762-60 Mystique Dawn.

2.04 FABRICATION

- A. All cabinets shall be of the same construction and outside appearance, and must have face frames. Components shall be constructed as follows:
 - 1. Drawers: Shall be four (4) sided box made from 11/16" C grade solid pine rabbeted at front, and glued and screwed into drawer front. Four (4) sides shall be dadoed to receive 1/4" A-C grade plywood drawer bottom. Drawer sides shall also be dadoed to receive 11/16" drawer back. All drawer box components shall be glued and stapled. Drawer box shall be 3-1/2" high.
 - 2. Doors: Shall be 3/4" solid wood Shaker style with recessed panel
 - 3. Drawer Fronts: Shall be 3/4" 7-ply birch veneer, A-1 grade exterior plywood drawer front with book-edge contour and have no more than one veneer splice on face. Drawer front shall be screwed to box front with four (4) 1-1/4" wood screws penetrating no less than 1/2" into drawer front. Drawer front shall be glued and stapled to drawer box for additional strength. Dummy fronts shall be stapled to front frame with wood blocks.
 - 4. Front Frames: Shall be 3/4" x 1-1/2" kiln dried poplar or other acceptable tight grain hardwood for stiles and 3/4" x 1-3/4" kiln dried poplar or other acceptable tight grain hardwood for rails. Construction shall be all mortise and tenon. Joints shall be glued and stapled.
 - 5. Base Cabinet Side Panels: Shall be 1/2" 5-ply birch hardwood veneer, A-2 grade exterior plywood. Side panels shall be rabbeted to receive backs and dadoed 1/4" deep to receive shelves. Side panels shall terminate 3" above the floor. Side panels shall be glued and stapled to frame.
 - 6. Toe Kick: Base cabinets shall have an integral 4" x 4" recessed toe kick made from 3/4" Pressure treated Southern Yellow Pine, painted black. Glue blocks at toe kick to bottom.
 - 7. Toe Kick Base: Shall be nominal 1" x 6" pressure treated Southern Yellow Pine. Lateral base shall be spaced at minimum 16" o.c. behind toe kick and below base bottom. Exposed sides shall be painted black.
 - 8. Base Cabinet Bottom: Shall be 1/2" A-C grade plywood bottom secured by two (2) dadoes glued and stapled to side panels, rabbeted in bottom front frame rail and extending into bottom nailer, dadoed and glued. Glue blocks at bottom to front frame. Note: Bottom of

base and sink base cabinets with removable fronts shall extend six inches from the back of the cabinets.

9. Back Panels: Shall be 1/4" A-C grade plywood (no back panel required at sink base cabinets unless otherwise specified) glued and stapled to side panels, rabbeted in top nailer, and face of bottom nailer.
10. Base Cabinet Top Nailers: Shall be nominal 1" x 8" pine with rabbet along bottom inside edge to receive back panel. Nailer shall be secured between two (2) side panels with glue and staples.
11. Base Cabinet Bottom Nailers: Shall be 3/4" x 3-1/2" pine secured between two (2) side panels located in middle of base bottom on back.
12. Wall Cabinets: Top, bottom and side panels shall be 1/2" 5-ply birch hardwood veneer, A-2 grade exterior plywood. Side panels shall be rabbeted to receive backs and dadoed 1/4" deep to receive shelves. Side panels shall be glued and stapled to frame. All nailers shall be nominal 1" x 4", glued and nailed.
13. Pantry and Broom Closet Cabinets: Construction shall be similar to base and wall cabinets as specified above and as indicated on the Drawings.
14. Shelves: All shelves in both base and wall cabinets shall be 3/4" birch plywood secured by two (2) 1/4" deep dadoes in side panels. Shelves shall be glued and stapled to side panels. All visible shelf surfaces and edges shall be filled and sanded, edge banded or otherwise finished.
15. Drawer Guides: Shall be Dresden (HA 7000) 75 lb. Rated post plated drawer system or New York City Housing Authority approved equal, screwed to top back nailer.
16. Hinges: Hinges shall be European style concealed hinges by Grass USA, Model # TEC 863 Soft-close, 108 degree Opening Angle - Face-Mount with minimum 1/4" reveal between cabinet doors.
17. Finish shall be manufacturer's standard as follows: 2226 Cherry or New York City Housing Authority approved equal stained wood finish. Stain color shall be specified at time of order. Color and finish shall be identical for all cabinets as approved.
18. Miscellaneous: Base cabinets shall be made rigid by two (2) 1" x 3" solid pine braces secured at top four corners with staples and yellow wood glue only. Hot glue shall not be acceptable.
19. Cabinet and Drawer Pulls: All wall cabinets, base cabinets, broom closets and drawers in shall be provided with surface-mounted D-pulls, brushed finish stainless steel, pre-threaded, holes 4" o.c., 1-1/4" minimum clearance between the pull and face of the wood surface, 5/16" diameter, as manufactured by Evans Cabinet Co., Amerock, Voga, or equal. Pulls shall be firmly anchored with Phillips head steel machine screws, minimum 1" in length. All kitchen hardware in designated 504 units shall comply with the requirements of UFAS 4.27.4 and shall be operable with one hand and not require tight grasping, pinching, or twisting of the wrist.

PART 3 EXECUTION

3.01 DEMOLITION

- A. Existing kitchen floor tiles shall not be disturbed during base cabinet removal. To facilitate this, the following procedures shall apply.
 1. Kitchen floor must be covered with a rigid material (e.g. masonite, plywood, etc.) prior to base cabinet removal.
 2. Base cabinet shall be disconnected from wall and tilted forward.

3.02 INSTALLATION

- A. At new gypsum/tile backer board metal stud partitions/chase walls/furring, cabinets shall be properly secured to 6" high x 20 ga. galvanized flat steel sheets. Sheet metal panels shall extend the full width of the cabinets and shall be properly secured to metal framing, including furring at existing plaster partitions and SFT Public/Stair Hall walls. Sheet metal panels shall be installed at appropriate mounting heights to properly secure top of base/sink base/broom/linen cabinets and top/bottom of wall cabinets.

- B. At existing solid plaster/metal lath/channel stud partitions where existing cabinets have been removed, new cabinets shall be secured to existing wood grounds with appropriate wood screws where they are in good condition. Where existing grounds are deteriorated and cannot be reused, replace with new grounds, including cutting and patching of plaster partitions. At remaining existing plaster partitions without grounds, including "demising" partitions separating adjacent apartments, wall cabinets shall be through-bolted with 3/16" dia. bolts, 1-1/4 dia. washers, lock washers and nuts. All hardware shall be recessed into opposite face of the partition and completely concealed with plaster to match adjacent existing surfaces. Base, sink base and other floor-mounted cabinets at these locations shall be secured to plaster partitions with 1/4" expansion bolts.
- C. Base, sink base, pantry and broom closet cabinets shall be secured at rear to partitions/walls at top only. Wall cabinets shall be secured at rear to partitions/walls at both top and bottom. All securing hardware shall be spaced no greater than 12" o.c.
- D. Softwood, cedar, or approved equal shims shall be provided as required for leveling of base and other floor mounted cabinets. In no event, however, shall the cabinets be shimmed to a point where more than 5/8" clear exists at any one point between the abutting floor tile and the cabinet base.
- E. Provide countertop cut-out of proper size and shape for kitchen sink and tray combination. Seal cut edges at sink opening with spar varnish. Provide caulking as specified at joint between sink and countertop.
- F. Provide filler pieces and scribe moulds as required for closures and scribing against all partitions/walls where cabinets do not abut adjoining surfaces tightly.
- G. Provide caulking as specified at joints (1/4" max.) between top and side of splashboard, and adjoining partition/wall. Caulking shall be white and shall be tooled to provide a smooth fillet. Where gap between splashboard and partition/wall exceeds 1/4", provide quarter-round wood molding of appropriate size, properly secured with concealed fasteners.
- H. In occupied apartments, residents with washing machines shall be responsible for disconnecting, temporarily removing and reinstalling these appliances to permit completion of kitchen work. Removable base cabinets indicated for these locations shall be turned over to Development Management for storage and future installation.
- I. Where new appliance receptacles are indicated to be installed at existing plaster partitions between base/wall cabinets, surface-mounted vertical wire mold drops shall be located between adjoining wall cabinets.

END OF SECTION