

DIVISION 6 - WOOD, PLASTIC AND COMPOSITES

SECTION 06 20 23 - FINISH CARPENTRY

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Furnish all labor, materials, and equipment necessary to complete all the finish carpentry work shown or reasonably implied in the Drawings or Specifications. This includes, but is not limited to:
 - 1. Base cabinets, wall cabinets, vanities, counters, etc. in place.
 - 2. Interior casework hardware, anchorage accessories, etc.
 - 3. Installation of miscellaneous items and materials, provided under this and other Sections. This includes, finish hardware, hollow metal doors, toilet partitions, toilet and washroom accessories, etc.
 - 4. Furnish and installation of "Ideal Shield" bumper post sleeves at guard posted door protection.

1.2 RELATED WORK

- A. Factory prefabricated custom casework, for installation under this Section.
- B. Exterior casework hardware, for installation under Separate Section.

1.3 REFERENCES

- A. PS 1 - Construction and Industrial Plywood
- B. PS 20 - American Softwood Lumber Standard
- C. HPMA - Hardwood Plywood Manufacturer's Association; American Standard for Hardwood and Decorative Plywood
- D. NHLA - National Hardwood Lumber Association
- E. AWI - Quality Standards and Guide Specifications
- F. ANSI A208-1 - Mat Formed Wood Particleboard
- G. BHMA A156.2 - Cabinet Hardware
- H. NEMA LD3 - High Pressure Decorative Laminates

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 10 00.
- B. Shop Drawings showing unit or component profiles and elevations, assembly methods and details, connection items, hardware locations, etc.
- C. Samples: Trim and veneer materials for casework.
- D. Color selection chips for plastic laminate materials, and pre-finished materials furnished as a part of this work.
- E. Manufacturer's cut sheets for interior casework hardware.
- F. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

1.5 QUALITY ASSURANCE

- A. Perform work in accordance with reference documents.

- B. Maintain one copy of each installation related reference document, on site.
- C. Where specifically requested, inspection and testing in accordance with AWI Quality Certification Program.

1.6 QUALIFICATIONS

- A. Fabricator: A company specializing in the fabrication of the items specified in this Section, with a minimum of 10 years documented experience.

1.7 COORDINATION

- A. Coordinate this work with other related Sections of Work.

1.8 WARRANTY

- A. In accordance with the General Conditions of the Construction Contract.

PART 2 PRODUCTS

2.1 STANDARD OF QUALITY

- A. Unless specifically shown otherwise, all millwork shall comply with Architectural Woodwork Institute Custom quality standards.
- B. AWI Quality Standards and Guide Specifications shall be a part of this Specification as though fully included herein.

2.2 INTERIOR CASEWORK

- A. Base and upper cabinets shall be a custom grade, plastic laminate faced, prefabricated units with concealed offset hinges. Units shall be flush overlay with drawers, shelves and pulls.
- B. Wood mail slots shall be constructed with 3/4" plywood A-A, with hard wood edge banding. Wood to be clear (stain quality) red oak. Both sides of wall to be trimmed. Mail slots shall be 4" x 12", unless otherwise noted.

2.3 INTERIOR CASEWORK HARDWARE

- A. Shelf Brackets: Knape and Vogt recessed end standards, with adjustable brackets. Typically, natural color; to match finish hardware for exposed conditions.
- B. Drawer Slides: Grant, ball bearing type, full extension with 100 lb. capacity per pair.

2.4 FABRICATION

- A. All work shall be fabricated in accordance with approved shop drawings; approval of shop drawings, by the Office of the Contractor, shall be for design intent only.
- B. Shop prepare and identify components for site erection.
- C. When it will be necessary to cut and fit on site, provide materials with ample allowance for cutting.
- D. Where appropriate, shop assemble work for delivery to site.

2.5 SHOP FINISHING

- A. Sand all work smooth and set exposed nails and screws at casework.
- B. Apply filler in exposed fastener indentations at casework.
- C. On items to receive transparent finishes, use filler which matches surrounding surfaces of type(s) recommended for finishes to be applied.
- D. Back prime all work as necessary.

- E. Cabinets shall have appropriate protective wrappings applied for shipment to the site.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that field conditions are acceptable and are ready to receive work. Ensure that dimensions agree with drawings.
- B. Special attention shall be given to verification of work of other trades which affect this work.

3.2 INSTALLATION OF MILLWORK AND RELATED ITEMS

- A. Install work in accordance with AWI Standards.
- B. Carefully scribe work abutting other components; do not use additional overlay trim to conceal gaps.
- C. Set and secure materials and components in place, plumb and level and properly aligned.
- D. Install and anchor materials and components with fasteners and/or adhesive as appropriate for the application.
- E. All exposed fasteners shall have heads set and filled. All work shall be left sanded smooth and clean, free of all adhesive, dirt, stains, or blemishes of any nature.
- F. Laminated plastic shall be smoothly and uniformly bonded and flat, in lengths as long as possible. Jointing must be neat, tight, and hairline. Self-edging shall be applied with all edges neatly and uniformly beveled.
- G. Install exterior casework hardware in accordance with manufacturer's printed instructions.
- H. Following completion, all casework shall have taped covers replaced; covers shall remain until time for finishing under Separate Section.
- I. Counters shall be supported with 3/4" plywood plastic laminate covered bracket supports at 4'-0" on-center (maximum), unless otherwise noted.
- J. Shelf supports: Where shelving is indicated as "adjustable", provide slotted type standards and brackets of type needed to properly support shelves with uniform 40 lbs. per square foot loading. Where room finish schedule indicates shelving, provide 5 wood shelves high with 2" x 3" continuous wood cleat supports below each shelf, fastened to 2" x 4" vertical up-rights, at min. 4'-0" on center

3.3 INSTALLATION OF MISCELLANEOUS ITEMS

- A. Install Finish Hardware, and other items normally installed as a part of this work, in accordance with the appropriate Sections of the Specifications.

PART 4 COMPLETION

4.1 CLEANUP

- A. All work shall be left clean and undamaged, ready for finish, as appropriate, under Separate Sections.
- B. Refer to pertinent portions of Section 01 10 00 – General Requirements.

END OF SECTION