

SECTION 06400
ARCHITECTURAL WOODWORK

PART 1 GENERAL

1.01 SECTION INCLUDES:

- A. Interior architectural woodwork.
 - 1. Plastic Laminate Countertops and Frontal Skirts as detailed on the drawings

1.02 RELATED SECTIONS

- A. Section 01 030: Alternates
- B. Section 01 305: Submittals.
- C. Section 01 600: Product Requirements.

1.03 REFERENCES

- A. Architectural Woodwork Quality Standards; Sections 300, 400B and 600; Architectural Woodwork Institute (AWI); 2003.
- B. BHMA A156.9-1994 - American National Standard for Cabinet Hardware; Builders Hardware Manufacturers Association.
- C. BHMA A156.18-1987 - American National Standard for Materials and Finishes; Builders Hardware Manufacturers Association; 1987.

1.04 SUBMITTALS

- A. See Section 01300 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate plans and elevations; details at a large scale (minimum 3" = 1'-0"); show location of each item, identify components used, and indicate method of attachment.
- C. Product and Material Information:
 - 1. Plastic Laminate:
 - a. Samples: Provide samples of HDPL plastic laminate showing full range of colors and finishes.

1.05 QUALITY ASSURANCE

- A. Quality of Materials and Workmanship: Provide woodwork that complies with the requirements of "Architectural Woodwork Quality Standards," published by Architectural Woodwork Institute (AWI) (hereinafter referred to as "woodworking standard").
- B. Where contract documents indicate requirements which are less restrictive than the woodworking standard, comply with the minimum requirements of the woodworking standard.
- C. Fabricator Qualifications: Company specializing in fabricating products specified in this section, with not less than five years of documented experience. For products requiring licensed or approved fabricators, only companies meeting the requirements of the manufacturer.
- D. Installer Qualifications: Fabricator shall install his own work.

1.06 DELIVERY, STORAGE, AND PROTECTION

- A. Store materials for interior woodwork indoors in conditioned spaces maintained within design temperature and humidity range as determined by the fabricator.

1.07 PROJECT CONDITIONS

- A. Coordinate installation of woodwork with other work to avoid damage.

1.08 ENVIRONMENTAL REQUIREMENTS

- A. Maintain final design temperature and humidity in areas where woodwork is installed.
 - 1. Installed woodwork shall be within a 1.0 percent tolerance of optimum moisture content, as determined by the fabricator, from date of installation through remainder of construction period.

PART 2 PRODUCTS

2.01 BASIC MATERIALS AND FABRICATON METHODS

- A. General: Except as otherwise indicated, comply with the following requirements for architectural woodwork not specifically indicated as prefabricated or prefinished standard products.
- B. Wood Moisture Content: Provide kiln-dried lumber with an average moisture content range of 6% to 11%. Maintain temperature and relative humidity during fabrication, storage and finishing operations so that moisture content values for the woodwork at time of installation do not exceed 5% to 10%.
- C. Quality Standards: For each of the following types of architectural woodwork, comply with indicated standards as applicable:
 - 1. Miscellaneous Work: AWI Section 700.
- E. Design and Construction Features: Comply with details shown for profile and construction of architectural woodwork; and, where not otherwise shown, comply with applicable AWI Quality Standards, with alternate details as Fabricator's option and as approved by the architect.
- F. Fit woodwork to actual construction. If it is not possible, or practical, to take field measurements before fabricating, provide adequate installation tolerances and scribe and trim to fit.

2.02 PLASTIC LAMINATE COUNTERTOPS AND FRONTAL SKIRTS

- A. General: Except as otherwise indicated, provide plastic laminate countertops and frontal skirts to comply with requirements for casework for plastic laminate materials.
- B. Acceptable Manufacturers of HDPL:
 - 1. Formica
 - 2. WilsonArt
 - 3. Nevamar
- C. Color: As selected by the Architect from the manufacturer's standard colors of HDPL..

PART 3 EXECUTION

3.01 PREPARATION

- A. Condition woodwork to average prevailing temperature and humidity conditions in installation areas prior to installing. Do not proceed with woodwork installation until the required ambient conditions can be properly maintained.
- B. Prior to installation of architectural woodwork, examine shop fabricated work for completion, and complete work as required, including back-priming and removal of packing.

3.02 FABRICATION

- A. Fabricate each architectural woodwork item in accordance with the corresponding AWI Standards for the item type and as specified.

3.03 INSTALLATION

- A. Install the work plumb, level, true and straight with no distortions. Shim as required using concealed shims. Install to a tolerance of 1/8" in 8'-0" for plumb and level (including countertops); and with 1/16" maximum offset in flush adjoining surfaces, and 1/8" maximum offsets in revealed adjoining surfaces.
- B. Scribe and cut work to fit adjoining work, and refinish cut surfaces or repair damaged finish at cuts.
- C. Anchor woodwork to anchors or blocking built into or directly attached to substrates. Secure to grounds, stripping and blocking with countersunk, concealed fasteners and blind nailing as required for a complete installation. Use fine finishing nails for exposed nailing, countersunk and filled flush with woodwork, and matching final finish.
- D. Install countertops using recommended anchors and spacings.

3.04 ADJUSTMENT, CLEANING, FINISHING AND PROTECTION

- A. Repair damaged and defective work wherever possible to eliminate defects functionally and visually; where not possible to repair properly, replace work. Adjust joinery for uniform appearance.
- B. Clean hardware and make final adjustments for proper operation.
- C. Protection: Installer of architectural woodwork shall advise Contractor of procedures required to protect architectural woodwork during remainder of construction period to ensure that work will be without damage or deterioration at time of acceptance.

END OF SECTION