

SECTION 06 42 16

WOOD VENEER PANELING

PART 1 – GENERAL

1.1 PURPOSE

- A. This guideline is intended to provide useful information to the Professional Service Provider (PSP) to establish a basis of design. PSP is to apply the principles of this section such that the University of Texas at Arlington (UTA) may achieve a level of quality and consistency in the design and construction of their facilities. Deviations from these guidelines must be approved by UTA and may require justification through Life Cycle Cost (LCC) analysis and submitted to UTA for approval.

1.2 LESSONS LEARNED AND DESIGN CONSIDERATIONS

- A. **Provide clear intumescent coating on top of finished wood.**

1.3 SECTION INCLUDES

- A. Custom wood veneer paneling.
- B. Solid wood panel trim.
- C. Shop finishing.

1.4 RELATED REQUIREMENTS

- A. Refer to Division 01 for Volatile Organic Compound (VOC) Content Restrictions.
- B. Section 06 10 00 – Rough Carpentry: Support framing, grounds, and concealed blocking.

1.5 REFERENCE STANDARDS

- A. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards; current edition.

1.6 SUBMITTALS

- A. See Division 01 for submittal procedures.
- B. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
 - 1. Minimum Scale of Detail Drawings: 1-1/2 inch to 1 foot.
 - 2. Include plan of panel number sequencing.
 - 3. Provide the information required by AWI/AWMAC/WI Architectural Woodwork Standards.
- C. Samples: Submit two samples of finished plywood, 24 x 24 inch in size, illustrating wood grain and specified finish.
- D. Samples: Submit two samples of wood trim, 24 inch long.

1.7 QUALITY ASSURANCE

- A. Fabricator Qualifications: Company specializing in manufacturing the products specified in this section with minimum 5 years of documented experience.
 - 1. Single Source Responsibility: Provide and install this work from single fabricator.
 - 2. Single Source Supply: All wood veneer shall be from the same source.

1.8 REGULATORY REQUIREMENTS

- A. Provide mock-up of typical base cabinet and wall cabinet, including hardware, and finishes.
- B. Locate where directed.
- C. Approved mock-up may remain as part of the Work.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Protect work from moisture damage.
- B. Do not deliver wood materials to project site until building is fully enclosed and interior temperature and humidity are in accordance with recommendations of AWI//AWMAC/WI Architectural Woodwork Standards.

PART 2 – PRODUCTS

GUIDE SPECIFICATIONS FOR DESIGN AND CONSTRUCTION DOCUMENTS

2.1 PANELING

- A. Quality Grade: Unless otherwise indicated provide products of quality specified by AWI//AWMAC/WI Architectural Woodwork Standards for Custom Grade.
- B. Flat Paneling:
 - 1. Species: As Selected by Architect.
 - 2. Cut: As Selected by Architect.
 - 3. Panels: Veneer of full width balanced bookmatch.
 - a. Panels more than one leaf high: Architectural end matching.
 - 4. Visible Edges and Reveals: Match faces.
 - 5. Outside Corners: Mitered and splined.

2.2 WOOD BASED MATERIALS - GENERAL

- A. Wood fabricated from old growth timber is not permitted.
- B. Particleboard: Complying with ANSI A208.1; composed of wood chips, medium density, made with waterproof resin binders; of grade to suit application; sanded faces.
- C. Lumber: Maximum moisture content of 6 percent; with vertical grain, of quality suitable for transparent finish.

2.3 ADHESIVES AND FASTENERS

- A. Adhesives: Type suitable for intended purpose, complying with applicable air quality regulations.
- B. Fasteners: Of size and type to suite the application.

2.4 FABRICATION

- A. Prepare panels for delivery to site, permitting passage through building openings.
- B. Finish exposed edges of panels as specified by grade requirements.
- C. When necessary to cut and fit on site, provide materials with ample allowance for cutting and scribing.

2.5 SHOP FINISHING

- A. Sand work smooth and set exposed nails and screws.
- B. Apply wood filler in exposed nail and screw indentations.
- C. On items to receive transparent finishes, use wood filler that matches surrounding surfaces and is of type recommended for the applicable finish.
- D. Finish work in accordance with AWI/AWMAC/WI Architectural Woodwork Standards, Section 5 - Finishing for Grade specified and as follows:
 - 1. Transparent:
 - a. System - 12, Polyurethane, Water-based.
 - b. Stain: As selected by Architect.
 - c. Sheen: Satin.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify adequacy of backing and support framing.
- C. Verify mechanical, electrical, and building items affecting work of this section are placed and ready to receive this work.

3.2 INSTALLATION

- A. Install work in accordance with AWI/AWMAC/WI Architectural Woodwork Standards requirements for grade indicated.
- B. Do not begin installation until wood materials have been fully acclimated to interior conditions.
- C. Set and secure materials and components in place, plumb and level, using concealed fasteners wherever possible.
- D. Where necessary to cut and fit on site, scribe work abutting other components. Do not use additional overlay trim to conceal gaps.
- E. Set exposed fasteners, fill with wood filler, and finish to match panel finish.

GUIDE SPECIFICATIONS FOR DESIGN AND CONSTRUCTION DOCUMENTS

- F. Touch up damaged finish to match original, using materials provided by fabricator; replace components that cannot be refinished like new.

3.3 TOLERANCES

- A. Maximum Variation from True Position: 1/16 inch.
- B. Maximum Offset from True Alignment with Abutting Materials: 1/32 inch.

END OF SECTION