

## PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Finish carpentry items.
- B. Wood door frames, glazed frames.
- C. Wood casings and moldings.
- D. Hardware and attachment accessories.

## 1.02 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the work with plumbing rough-in, electrical rough-in, installation of associated and adjacent components, and provision of plumbing fixture templates.

## 1.03 SUBMITTALS

- A. See Section 013300 - SUBMITTALS for submittal procedures.
- B. Product Data:
  - 1. Provide data on fire retardant treatment materials and application instructions.
  - 2. Provide instructions for attachment hardware, finish hardware, and support hardware.
- C. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
  - 1. Scale of Drawings: 1-1/2 inch to 1 foot (125 mm to 1 m), minimum.
  - 2. Provide the information required by AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS).
  - 3. Include certification program label.
- D. Samples: Submit two samples of finish plywood, 6 x 6 inch (152 x152 mm) in size illustrating wood grain and specified finish.
- E. Samples: Submit two samples of wood trim 6 inch (152 mm) long.
- F. Certificate: Submit labels and certificates required by quality assurance and quality control programs.

## 1.04 QUALITY ASSURANCE

- A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.
  - 1. Accredited participant in the specified certification program prior to the commencement of fabrication and throughout the duration of the project.
  - 2. Single Source Responsibility: Provide and install this work from single fabricator.
- B. Quality Certification:
  - 1. Provide labels or certificates indicating that the work complies with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade or grades specified.
  - 2. Provide designated labels on shop drawings as required by certification program.
  - 3. Provide designated labels on installed products as required by certification program.
  - 4. Submit certifications upon completion of installation that verifies this work is in compliance with specified requirements.

## 1.05 DELIVERY, STORAGE, AND HANDLING

- A. Protect work from moisture damage.

## PART 2 PRODUCTS

## 2.01 FINISH CARPENTRY ITEMS

- A. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
- B. Surface Burning Characteristics: Provide materials having fire and smoke properties as required by applicable code.
- C. Exterior Woodwork Items:
  - 1. Window Casings and Moldings: Softwood; prepare for paint finish.
  - 2. Soffits and Fascias: Prepare for paint finish.
  - 3. Enclosing Soffit Spaces: As detailed.
  - 4. Enclosing Structural Members: Softwood lumber; "PT" preservative treated.
  - 5. Brackets, Finials, and Pediments: Prepare for paint finish.
  - 6. Half -Timber framing replacements / repairs: Sapele, prepare for painting.
- D. Interior Woodwork Items:
  - 1. Moldings, Bases, Casings, Crown and Miscellaneous Trim: Clear White Pine; prepare for paint finish.
  - 2. Door, Glazed Light, and Pocket Door Frames: Clear White Pine; prepare for paint finish.
  - 3. Window Sills: Clear White Pine; prepare for paint finish.
  - 4. Stairs, Balustrades, and Handrails: Clear Douglas Fir; prepare for stained finish.
  - 5. Loose Shelving: Birch plywood; prepare for paint finish.

## 2.02 WOOD-BASED COMPONENTS

- A. Wood fabricated from old growth timber is not permitted.
- B. Provide sustainably harvested wood, certified or labeled as specified in Section 016100 - BASIC PRODUCT REQUIREMENTS.
- C. Wood fabricated from timber recovered from riverbeds or otherwise abandoned is permitted, unless indicated otherwise, and provided it is clean and free of contamination, identify source; provide lumber re-graded by an inspection service accredited by the American Lumber Standard Committee, Inc. (ALSC).

## 2.03 LUMBER MATERIALS

- A. Softwood Lumber: Clear Heart Cedar species, Planed, maximum moisture content of 6 percent; with vertical grain, of quality suitable for transparent finish.
  - 1. Grading: In accordance with rules certified by ALSC; [www.alsc.org](http://www.alsc.org).
- B. Hardwood Lumber: Sapele species, Abrasive Planed, maximum moisture content of 6 percent; with vertical grain, of quality suitable for transparent finish.

## 2.04 SHEET MATERIALS

- A. Softwood Plywood, Not Exposed to View: Any face species, medium density fiberboard core; PS 1 Grade A-B, glue type as recommended for application.

- B. Softwood Plywood, Exposed to View: Face species as indicated, plain sawn, medium density fiberboard core; PS 1 Grade A-B, glue type as recommended for application.
- C. Hardwood Plywood: Face species as indicated, plain sawn, book matched, medium density fiberboard core; HPVA HP-1, Front Face Grade AA, Back Face Grade 1, glue type as recommended for application.

## 2.05 PLASTIC LAMINATE MATERIALS

- A. Plastic Laminate: NEMA LD 3, HGS; color as selected by Architect; textured, low gloss finish; color and pattern as selected by the Architect manufactured by Formica or approved equal.
- B. Laminate Backing Sheet: NEMA LD 3, BKL; undecorated plastic laminate; \_\_\_\_\_ manufactured by \_\_\_\_\_.
- C. Laminate Adhesive: Type recommended by laminate manufacturer to suit application; not containing formaldehyde or other volatile organic compounds.

## 2.06 FASTENINGS

- A. Adhesive for Purposes Other Than Laminate Installation: Suitable for the purpose; not containing formaldehyde or other volatile organic compounds.
- B. Concealed Joint Fasteners: Threaded steel.

## 2.07 ACCESSORIES

- A. Lumber for Shimming and Blocking: Softwood lumber of Cedar or Pine species.
- B. Cellular PVC Trim: Extruded, expanded PVC; UV-resistant, heat-stabilized, and rigid material.
  - 1. Density: 31 pounds per cubic foot (500 kg/cu m), minimum.
  - 2. Flame Spread: ASTM E84, 75, maximum.
  - 3. Manufacturers:
    - a. AZEK Building Products, Inc; Traditional Trim: [www.azek.com/#sle](http://www.azek.com/#sle).
- C. Primer: As specified in Section 099123.
- D. Wood Filler: Solvent base, tinted to match surface finish color.

## 2.08 HARDWARE

- A. Hardware: Comply with BHMA A156.9.
- B. Standard Shelf, Countertop, and Workstation Brackets:
  - 1. Material: Steel.
  - 2. Finish: Powder-coated paint in color as selected by the Architect.
  - 3. Products:
    - a. A&M Hardware, Inc ; Standard Brackets: <http://www.aandmhardware.com/#sle>.
- C. Americans with Disabilities Act (ADA)-Compliant Vanity and Countertop Brackets:
  - 1. Material: Stainless steel.
  - 2. Finish: Brushed.
  - 3. Products:
    - a. A&M Hardware, Inc ; ADA Vanity Brackets: <http://www.aandmhardware.com/#sle>.

- D. Specialty Shelf Brackets:
  - 1. Material: Steel.
  - 2. Manufacturer's standard, factory-applied, textured powder coat.
  - 3. Color: Black.
  - 4. Products:
    - a. A&M Hardware, Inc; Concealed Flat Brackets: <http://www.aandmhardware.com/#sle>.

## 2.09 WOOD TREATMENT

- A. Wood Preservative by Pressure Treatment (PT Type): Provide AWP A U1 treatment using waterborne preservative with 0.25 percent retainage.
- B. Deliver fire retardant treated materials cut to required sizes. Minimize field cutting.
- C. Redry wood after pressure treatment to maximum 15 percent moisture content.

## 2.10 FABRICATION

- A. Shop assemble work for delivery to site, permitting passage through building openings.
- B. When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.
- C. Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises. Locate counter butt joints minimum 2 feet from sink cut-outs. (Locate counter butt joints minimum 600 mm from sink cut-outs.)
- D. Apply laminate backing sheet to reverse face of plastic laminate finished surfaces.

## 2.11 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 (AWS) or AWMAC/WI (NAAWS), Section 5 - Finishing for grade specified and as follows:
  - 1. Transparent:
    - a. System - 1, Lacquer, Nitrocellulose.
    - b. Stain: As selected by Architect.
    - c. Sheen: Flat.
- E. Back prime woodwork items to be field finished, prior to installation.

## PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Verify adequacy of backing and support framing.

- B. Verify mechanical, electrical, and building items affecting work of this section are placed and ready to receive this work.
- C. See Section 061000 - ROUGH CARPENTRY for installation of recessed wood blocking.

### 3.02 INSTALLATION

- A. Install work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.
- B. Set and secure materials and components in place, plumb and level.
- C. Carefully scribe work abutting other components, with maximum gaps of 1/32 inch (0.79 mm). Do not use additional overlay trim to conceal larger gaps.
- D. Install hardware in accordance with manufacturer's written instructions.

### 3.03 SITE APPLIED WOOD TREATMENT

- A. Apply preservative treatment in accordance with manufacturer's instructions.
- B. Brush apply one coat(s) of preservative treatment on wood in contact with cementitious materials. Treat site-sawn cuts.
- C. Allow preservative to dry prior to erecting members.

### 3.04 PREPARATION FOR SITE FINISHING

- A. Set exposed fasteners. Apply wood filler in exposed fastener indentations. Sand work smooth.
- B. Site Finishing: See Section 099123.
- C. Before installation, prime paint surfaces of items or assemblies to be in contact with cementitious materials.

### 3.05 TOLERANCES

- A. Maximum Variation from True Position: 1/16 inch (1.6 mm).
- B. Maximum Offset from True Alignment with Abutting Materials: 1/32 inch (0.79 mm).

## END OF SECTION