

SECTION 062000 - FINISH CARPENTRY

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. All trim that has been damaged, broken, or missing shall be repaired or replaced with material of the same size, shape, and type.
- B. **ALL TRIM THROUGHOUT THE HOME MUST BE IN GOOD CONDITION AND ON A PER ROOM BASIS MUST MATCH. HOWEVER, IT IS RECOGNIZED THAT THERE MAY BE DIFFERENT TYPES OF TRIM THROUGHOUT THE HOME DEPENDING ON THE ARCHITECTURAL STYLE.**
- C. All existing trim shall be scraped, sanded, and filled to present a smooth surface free of defects ready to receive paint or a natural finish in like new condition.
- D. Baseboards: **Subject to revisions caused by the homes of historical significance.** All homes shall have a minimum of 3-1/4 inch decorative profile baseboard throughout (*see Attached*). In areas containing tile, vinyl, and wood flooring 1/2-by-3/4 inch quarter-round shoe is required in addition to baseboard (*see Attached*).
- E. Door Casing: All doors shall be cased with a minimum 2-1/2 inch wide decorative profile casing (*see Attached*).
- F. Window Sills: All windows shall be trimmed with a minimum 5-1/2 inch wide routed edge sill, with a 2-1/2 inch wide trim piece underneath.

PART 2 - PRODUCTS

2.1 MATERIALS, GENERAL

- A. Lumber: DOC PS 20 and grading rules of inspection agencies certified by American Lumber Standards Committee Board of Review.
- B. Softwood Plywood: DOC PS 1.
- C. Hardwood Plywood: HPVA HP-1.
- D. MDF: ANSI A208.2, Grade 130, made with binder containing no urea-formaldehyde resin.
- E. Particleboard: ANSI A208.1, M-2, made with binder containing no urea-formaldehyde resin.
- F. Melamine-Faced Particleboard: Particleboard complying with ANSI A208.1, Grade M-2, finished on both faces with thermally fused, melamine-impregnated decorative paper complying with LMA SAT-1.

2.2 EXTERIOR FINISH CARPENTRY

- A. Exterior Lumber Trim: As required.
 - 1. Maximum Moisture Content: 19 percent.
- B. Cellular PVC Exterior Trim: Extruded, expanded PVC with a small-cell microstructure, made from UV- and heat-stabilized, rigid material.
- C. Foam-Plastic Moldings: Molded product of shapes indicated, with a tough outer skin on exposed surfaces; factory primed. Product is recommended by manufacturer for exterior use.
- D. Lumber Siding: Kiln-dried, as required.
- E. Plywood Siding: APA-rated siding, minimum 1/2-inch thick,
- F. **Plywood Soffits: minimum 3/8-inch thick, Exterior-type, Grade C-C plugged and touch sanded.**
 - 1. **Soffits may be constructed with one of the following three details:**
 - a. **Exposed rafter tails and roof decking with holes cut in the soffit blocking to provide ventilation. (use exterior grade treated lumber and paint in accordance with Section 099100)**
 - b. **Exposed fascia w/ 1 x 2 drip edge and plywood box soffit with holes cut to provide ventilation. (use exterior grade treated lumber and paint in accordance with Section 099100)**
 - c. **Ventilated vinyl soffit and aluminum fascia.**

2.3 INTERIOR STANDING AND RUNNING TRIM

- A. Interior Softwood Lumber Trim: Kiln-dried, as required.
 - 1. Maximum Moisture Content: 15 percent.
- B. Interior Hardwood Lumber Trim: Clear, kiln-dried, as required.
- C. Wood Moldings: WMMPA WM 4 made to patterns in WMMPA WM 12 from kiln-dried stock.
 - 1. Softwood Moldings for Transparent
 - 2. Moldings for Painted Finish: P-Grade
 - 3. Base: WM 623, Ogee Base, minimum or match existing (*see Attached*).
 - 4. Shoe Mold: WM 126, 1/2-by-3/4-inch quarter-round shoe (*see Attached*).
 - 5. Casing: WM 356, Colonial Casing or match existing (*see Attached*).
 - 6. Stop: WM 941, stop minimum or match existing (*see Attached*).
 - 7. Chair Rail: WM 390 if desired (*see Attached*).
- D. PVC-Wrapped Moldings: WMMPA WM 2 and made to patterns included in WMMPA WM 12.
 - 1. Base: WM 623, Ogee Base, minimum or match existing (*see Attached*).
 - 2. Shoe Mold: WM 126, 1/2-by-3/4-inch quarter-round shoe (*see Attached*).
 - 3. Casing: WM 356, Colonial Casing minimum or match existing (*see Attached*).

4. Stop: WM 941, stop minimum or match existing (*see Attached*).
 5. Chair Rail: WM 390 if desired (*see Attached*).
- E. Foam-Plastic Moldings: Molded product of shapes indicated, with a tough outer skin on exposed surfaces; factory primed. Exposed surfaces shall not be shaped after molding.

2.4 FIRE-RATED INTERIOR DOOR FRAMES

- A. Frames, complete with casings, fabricated from fire-retardant particleboard or fire-retardant MDF with veneered exposed surfaces, or from solid fire-retardant-treated wood. Frames shall be labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, based on testing per NFPA 252.
1. Fire Rating: 20 minutes minimum

2.5 PANELING

1. Hardwood Veneer Plywood Paneling: Manufacturer's stock panels complying with HPVA HP-1Face.
 2. Veneer Species: As selected.
 3. Veneer Matching: Selected for similar color and grain.
 4. Thickness: 1/8 inch.
 5. Face Pattern: Manufacturer's standard V or channel-grooved pattern, with grooves at edges, center, and third points of panels, and at other locations to provide pattern resembling random width boards.
- B. Hardboard Paneling: Factory finished, 1/8 inch thick, complying with AHA 135.5, Class II finish minimum.
1. Surface-Burning Characteristics: Flame-spread index of 25 or less and smoke-developed index of 450 or less, per ASTM E 84.
- C. Board Paneling: WMMPA WM 9, kiln dried.
1. Species: As selected.
 2. Grade: Clear No. 2
 3. Pattern: V-joint, tongue-and-groove, PT 82 or Beveled-edge channel, shiplapped, PT 82.
 4. Net Coverage Width: Not less than 5-1/16 inches.

2.6 WOOD SHELVING AND CLOTHES RODS

- A. Shelving: 3/4-inch finish boards as specified for interior softwood lumber trim.
- B. Clothes Rods: 1-1/2-inch diameter, clear, kiln-dried hardwood.
- C. Shelf Brackets with Rod Support: BHMA A156.16, B04051; prime-painted formed steel.

2.7 STAIRS AND RAILINGS

- A. Interior Treads: minimum 1-1/16-inch, clear, kiln-dried, edge-glued, hard wood stepping with half-round nosing.
- B. Interior Risers: minimum 13/16-inch, clear, kiln-dried, edge-glued stock matching treads.
- C. Exterior Treads: minimum 1-1/4-inch, kiln-dried, pressure-preservative-treated (Southern pine, B & B finish boards minimum) stepping with half-round nosing.
- D. Exterior Risers: minimum 3/4-inch kiln-dried, pressure-preservative-treated Southern pine, B & B finish boards minimum.
- E. Interior Railings: Clear, kiln-dried, hard wood railing stock.
- F. Exterior Railings: Clear, kiln-dried, pressure-preservative-treated southern pine minimum.

2.8 MISCELLANEOUS MATERIALS

- A. Fasteners for Exterior Finish Carpentry: Stainless-steel, hot-dip galvanized steel or aluminum or as required by the chemical treatment present.
- B. Glue: Aliphatic-resin, polyurethane, or resorcinol wood glue recommended by manufacturer.
 - 1. Use waterproof resorcinol glue for exterior applications.
 - a. **See NSP Green Building Practices Handbook, Section 4.1 – Environmentally Preferable Products.**
- C. Adhesive for Cellular PVC Trim: Product recommended by trim manufacturer.
 - a. **See NSP Green Building Practices Handbook, Section 4.1 – Environmentally Preferable Products.**
- D. Installation Adhesive for Foam Plastic Moldings: Product recommended for indicated use by foam plastic molding manufacturer.
 - a. **See NSP Green Building Practices Handbook, Section 4.1 – Environmentally Preferable Products.**
- E. Insect Screening for Soffit Vents: Aluminum, PVC-coated glass-fiber fabric or Stainless steel.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Condition finish carpentry in installation areas for 24 hours before installing.
- B. Prime and back prime lumber for painted finish exposed on the exterior.
- C. Install finish carpentry level, plumb, true, and aligned with adjacent materials. Scribe and cut to fit adjoining work. Refinish and seal cuts.

- D. Install standing and running trim with minimum number of joints practical, using full-length pieces from maximum lengths of lumber available. Stagger joints in adjacent and related trim. Cope at returns and miter at corners.
- E. Nail siding at each stud. Do not allow nails to penetrate more than one thickness of siding, unless otherwise recommended by siding manufacturer. Seal joints at inside and outside corners and at trim locations.
- F. Select and arrange paneling for best match of adjacent units. Install with uniform tight joints.
- G. Exterior Stairs: Secure treads and risers by gluing and nailing to carriages. Countersink nail heads, fill flush, and sand filler. Extend treads over carriages and finish with bull-nose edge.
- H. Interior Stairs: Secure treads and risers by gluing and nailing to rough carriages.
 - 1. Closed Stringers: House treads and risers into wall stringers, glue, and wedge into place. Cope wall stringers to fit tightly over treads and risers.
 - 2. Open Stringers: Miter risers and stringer at open stringers. Extend tread over open stringers and finish with bull-nose edge.

END OF SECTION 062000