

## **SECTION 06 10 00**

### **ROUGH CARPENTRY**

#### **PART 1 – GENERAL**

##### **1.01 Summary**

- A. Section Includes:
  - 1. Wood blocking and nailers.
  - 2. Plywood backing panels.
  - 3. Dimensional Lumber.
  - 4. Boards.

#### **PART 2 – PRODUCTS**

##### **2.01 Wood Products, General**

- A. Lumber: DOC PS 20 and applicable rules of grading agencies indicated. If no grading agency is indicated, provide lumber that complies with the applicable rules of any rules-writing agency certified by the ALSC Board of Review. Provide lumber graded by an agency certified by the ALSC Board of Review to inspect and grade lumber under the rules indicated.
  - 1. Factory mark each piece of lumber with grade stamp of grading agency.
  - 2. Provide dressed lumber, S4S, unless otherwise indicated.
- B. Maximum Moisture Content of Lumber: 19 percent unless otherwise indicated.

##### **2.02 Wood-Dimension Lumber**

- A. Kiln-dry lumber after treatment to a maximum moisture content of 19 percent. Do not use material that is warped or that does not comply with requirements for untreated material.
- B. Mark lumber with treatment quality mark of an inspection agency approved by the ALSC Board of Review.
- C. Application: Items indicated on Drawings, and the following:
  - 1. Wood cants, nailers, curbs, equipment support bases, blocking, stripping, and similar members in connection with roofing, flashing, vapor barriers, and waterproofing.
  - 2. Wood sills, sleepers, blocking, furring, and similar concealed members in contact with masonry or concrete.

##### **2.03 Plywood Backing Panels and Blocking**

- A. Equipment Backing Panels: PS 1-09, Exposure 1, A-D, CDX, in thickness indicated or, if not indicated, not less than 1/2-inch nominal thickness.

##### **2.04 Fasteners**

- A. General: Provide fasteners of size and type indicated that comply with requirements specified in this article for material and manufacture.
  - 1. Where rough carpentry is exposed to weather, in ground contact, pressure-preservative treated, or in area of high relative humidity, provide fasteners with hot-dip zinc coating complying with ASTM A 153/A 153M.
- B. Power-Driven Fasteners: NES NER-272.

## **PART 3 – EXECUTION**

### **3.01 Installation, General**

- A. Set rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Fit rough carpentry to other construction; scribe and cope as needed for accurate fit. Locate furring, nailers, blocking, and similar supports to comply with requirements for attaching other construction.
- B. Do not splice structural members between supports unless otherwise indicated.
- C. Comply with AWPA M4 for applying field treatment to cut surfaces of preservative-treated lumber.
- D. Where wood-preservative-treated lumber is installed adjacent to metal decking, install continuous flexible flashing separator between wood and metal decking.
- E. Securely attach rough carpentry work to substrate by anchoring and fastening as indicated, complying with the following:
  - 1. Table 2304.9.1, "Fastening Schedule," in ICC's International Building Code.
  - 2. Table R602.3 (1), "Fastener Schedule for Structural Members," and Table R602.3 (2), "Alternate Attachments," in ICC's International Residential Code for One- and Two-Family Dwellings.

### **3.02 Protection**

- A. Protect wood from weather. If, despite protection, wood becomes wet, apply EPA-registered borate treatment. Apply borate solution by spraying to comply with EPA-registered label.
- B. Protect rough carpentry from weather. If, despite protection, rough carpentry becomes sufficiently wet that moisture content exceeds that specified, apply EPA-registered borate treatment. Apply borate solution by spraying to comply with EPA-registered label.

END OF SECTION

**SECTION 06 20 00**  
**FINISH CARPENTRY**

**PART 1 - GENERAL**

**1.01 Section Includes**

- A. Finish carpentry items, other than shop prefabricated casework.
- B. Wood trim, cabinet trim, paneling and trim.

**1.02 References**

- A. AWI - Architectural Woodwork Institute.

**1.03 Quality Assurance**

- A. Perform finish carpentry work to AWI Quality Standards, Custom.
- B. Lumber Grading: AWI.

**1.04 Submittals**

- A. Submit shop drawings showing materials, dimensions, joint details, fastening, and accessories for all site fabricated casework.

**PART 2 - PRODUCTS**

**2.01 Lumber Materials**

- A. Softwood Lumber: AWI Custom grade; maximum moisture content of six percent, pine species, with vertical grain, of quality capable of transparent finish.
- B. Hardwood Lumber: AWI Custom grade; maximum moisture content of six percent, plain sawn red oak species, of quality capable of transparent finish.

**2.02 Sheet Materials**

- A. Hardwood Plywood: AWI Custom grade; core materials of veneer; red oak species, of clear grain capable of receiving high quality transparent finish.
- B. Wood Particle Board: Composed of wood chips made with water resistant adhesive; sanded faces.
- E. Pegboard: Pressed wood fiber with resin binder; Standard grade, 1/4 inch thick with 1/4 inch diameter holes at 1 inch o.c.

**2.03 Accessories**

- A. Wall Adhesive: Solvent release, cartridge type, compatible with wall substrate, capable of achieving durable bond.
- B. Nails: Size and type to suit application.
- C. Bolts, Nuts, Washers, Blind Fasteners, Lags, and Screws: Size and type to suit application.

- D. Shimming Lumber: Softwood lumber.

### **PART 3 - EXECUTION**

#### **3.01 Installation**

- A. Install work in accordance with AWI Custom quality standard.
- B. Set and secure materials and components in place, plumb and level.
- C. Use lumber in full length pieces and minimize the number of joints. Stagger joints in adjacent related members.
- D. Cope joints at returns and miter at corners to produce tight fitting joints.
- E. Countersink finish nails and putty holes flush with surface with material that matches final finish.
- F. Cover exposed edges of plywood and particle board shelving with 3/8 inch thick edging. Width of edging to match shelving.
- G. Sort trim for color and grain consistency in each room.

END OF SECTION

## **SECTION 06 61 13**

### **SOLID SURFACE FABRICATIONS**

#### **PART 1 - GENERAL**

##### **1.01 Section Includes**

- A. Providing solid polymer bathroom lavatory countertops

##### **1.02 Related Sections**

- A. 062000 - FINISH CARPENTRY
- B. Section 079200 – Joint Sealers

##### **1.03 References**

- A. ASTM D570 - Test Method for Water Absorption of Plastics.
- B. ASTM D638 - Test Method for Tensile Properties of Plastics.
- C. ASTM D2583 - Test Method for Indentation Hardness of Rigid Plastic by Means of a Barcol Impresser.
- D. ASTM E84 - Test Method for Surface Burning Characteristics of Building Materials.
- E. ASTM G21 - Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.
- F. NEMA LD3-2000 - High Pressure Decorative Laminates.

##### **1.04 Submittals**

- A. Product Data: Submit manufacturer's current Product Data including specifications, handling, storage and installation instructions, and maintenance recommendations for each product, process specified.
- B. Samples: Submit minimum 2" x 2" samples. Indicate full range of colors noted in Price Groups below in 2.02.C. Selected samples will be retained as standards for work.
- C. Shop Drawings:
  - 1. Show system fabrication, and installation drawings.
  - 2. Show location of each item, dimensioned plans and elevations, attachment devices and other components.

##### **1.05 Quality Assurance**

- A. Manufacturer Qualifications: All primary products specified in this section will be provided by a single manufacturer with a minimum of five years of experience.
- B. Installer Qualifications: All products listed in this section are to be installed by a single installer with 3 years of experience in installing products of the same type and scope as specified.

##### **1.06 Project Conditions**

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

#### **1.07 Coordination**

- A. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of Work specified in other sections to ensure that interior architectural woodwork can be supported and installed as indicated.

#### **1.08 Warranty**

- A. Provide manufacturer's 10 year warranty against defects in materials. Warranty shall provide material and labor to repair or replace defective materials. Damage caused by physical or chemical abuse or damage from excessive heat will not be warranted.

### **PART 2 - PRODUCTS**

#### **2.01 Manufacturer**

- A. Standard of Quality: Corian® (Dupont).
- B. Other Acceptable Manufacturers: Subject to compliance with requirements, acceptable manufacturers and products are:
  - 1. Gibraltar (Wilsonart)
  - 2. Formica Solid Surfacing
  - 3. Avonite
  - 4. Manufacturer of comparable products submitted in compliance with Section 01 25 13.

#### **2.02 Materials**

- A. Solid Polymer Components:
  - 1. Cast, nonporous, filled polymer, not coated, laminated or of composite construction; meeting ANSI Z124.3 or ANSI Z124.6 having minimum physical and performance properties specified.
  - 2. Superficial damage to a depth of 0.010" (0.25 mm) shall be repairable by sanding and/or polishing.
- B. Performance Characteristics: Homogenous solid sheets of filled plastic resin complying with ANSI Z124.3 for Type 5 or Type 6 material and performance requirements, without a pre-coated finish; ASTM A276 Type 316L.
- C. Window Sill:
  - 1. Thickness: 1/2 inch.
  - 2. Width: As noted on Drawings.
  - 3. Edge: square.
  - 4. Finish: Matte with a gloss rating of 5 - 20. All surfaces shall have uniform finish.
  - 5. Color: As selected from manufacturer's standard *Price Group A and B*.
- D. Accessories:
  - 1. Adhesive: Manufacturer's standard one- or two-part adhesive.
  - 2. Manufacturer's standard mildew resistant UL-listed silicone.

### **PART 3 - EXECUTION**

#### **3.01 Installation**

- A. Install plumb, level, true, straight, with no distortions.
- B. Shim as required using concealed shims. Install to tolerance of 1/8 inch in 8 feet for plumb and level (including tops): with no variations in flushness of adjoining surfacing.
- C. Scribe, cut to fit adjoining work.
- D. Refinish cut surfaces or repair damaged finish at cuts.

### **3.02 Cleaning**

- A. Keep components clean during installation.
- B. Remove adhesives, sealants, and other stains.

END OF SECTION