

## SECTION 062023

### INTERIOR FINISH CARPENTRY

#### PATT 1 - GENERAL

##### 1.1 SUMMARY

A. This Section includes the following:

1. Decorative wood paneling.
2. Interior trim.
3. Shop finishing of woodwork.

B. Interior architectural woodwork includes wood furring, blocking, shims, and hanging strips unless concealed within other construction before woodwork installation.

##### 1.2 SUSTAINABILITY

A. As required in California 2013 Green Building Standards Code, Chapter 5, Hardwood plywood, particleboard, and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et seq.), by or before the dates specified in those sections, as shown in Table 5.504.4.5.

B. Adhesives must comply with South Coast Air Quality Management District (SCAQMD) Rule 1168 VOC limits.

##### 1.3 ACTION SUBMITTALS

A. Product Data: For finishing materials and processes.

B. LEED Submittals:

1. Product Certificates for Credit MRc5: For products and materials required to comply with requirements for regional materials, certificates indicating location of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include statement indicating distance to Project, cost for each regional material, and fraction by weight that is considered regional.
2. Product Data for Credit MRc4: For products having recycled content, documentation indicating percentages by weight of postconsumer and preconsumer recycled content. Include statement indicating cost for each product having recycled content.
3. Product Data for Credit IEQc4: For installation adhesives, sealants, paints, coatings, documentation including printed statement of VOC content.
4. Product Data for Credit IEQc4: For composite wood products and adhesives, documentation including original invoice indicating that products contain no urea formaldehyde.

- C. Shop Drawings: Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.
- D. Samples:
  - 1. Lumber and panel products for transparent finish, for each species and cut, finished on one side and one edge.
  - 2. Lumber and panel products with shop-applied opaque finish, for each finish system and color, with exposed surface finished.

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Woodwork Quality Standard Compliance Certificates: Architectural Wood work Standards.

#### 1.5 QUALITY ASSURANCE

- A. Quality Standard: Unless otherwise indicated, comply with AWI's and WI's "Architectural Woodwork Standards."
- B. Grading rules: The latest editions and supplements of the following grading rules shall apply to materials furnished under this section:
  - 1. Douglas Fir: "Standard Grading" as published by Western Wood Products Association.
  - 2. Redwood: "Standard Specifications for Grades of California Redwood Lumber" as published by the Redwood Inspection Service.
  - 3. Hardwood Lumber: National Hardwood Lumber Association.

#### 1.6 PROJECT CONDITIONS

- A. Environmental Limitations: Do not deliver or install woodwork until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS

- A. Wood Products:
  - 1. Recycled Content of Medium-Density Fiberboard and Particleboard: Postconsumer recycled content plus one-half of preconsumer recycled content not less than 20 percent.
  - 2. Hardboard: AHA A135.4.
  - 3. Medium-Density Fiberboard: ANSI A208.2, Grade MD, made with binder containing no urea formaldehyde.
  - 4. Particleboard: ANSI A208.1, Grade M-2.
  - 5. Softwood Plywood: DOC PS 1.
  - 6. Interior trim: Select Douglas Fir, moisture content less than 12%.

SoCalGas Bakersfield Base  
Vacant land at the NE Corner of McMurtrey Ave.  
& Industrial Parkway Dr., CA 93308  
P.N. 66707.0C  
Addendum #4

7. Veneer-Faced Panel Products (Hardwood Plywood): ANSI/HPVA – HP1, Plain-sliced birch veneer plywood, conforming to Architectural Woodwork Standards Premium Grade for transparent finish (veneer grade AA). Panels shall be made with adhesive containing no urea formaldehyde.
8. Do not use composite wood or agrifiber products that contain any added urea formaldehyde.

## 2.2 MISCELLANEOUS MATERIALS

- A. Furring, Blocking, Shims, and Hanging Strips: Softwood or hardwood lumber, fire-retardant-treated, kiln-dried to less than 15 percent moisture content.
- B. Adhesives, General: Adhesives shall not contain urea formaldehyde.
- C. VOC Limits for Installation Adhesives: Installation adhesives shall have a VOC content of 30 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

## 2.3 FABRICATION

- A. General: Complete fabrication to maximum extent possible before shipment to Project site. Where necessary for fitting at site, provide allowance for scribing, trimming, and fitting.
  1. Interior Woodwork Grade: Premium.
  2. Shop cut openings to maximum extent possible. Sand edges of cutouts to remove splinters and burrs. Seal edges of openings in countertops with a coat of varnish.
- B. Flush Wood Paneling:
  1. Lumber Trim and Edges: At fabricator's option, trim and edges indicated as solid wood (except moldings) may be either lumber or veneered construction compatible with grain and color of veneered panels.
  2. Matching of Adjacent Veneer Leaves: Book match.
  3. Veneer Matching within Panel Face: Center-balance match.
  4. Panel-Matching Method: No matching between panels is required. Select and arrange panels for similarity of grain pattern and color between adjacent panels.
  5. Fire-Retardant-Treated Paneling: Provide panels consisting of wood veneer and fire-retardant particleboard or fire-retardant medium-density fiberboard. Panels shall have flame-spread index of 25 or less and smoke-developed index of 450 or less per ASTM E 84.

## 2.4 SHOP FINISHING

- A. Finish architectural woodwork at fabrication shop. Defer only final touchup, cleaning, and polishing until after installation.
- B. Backpriming: Apply one coat of sealer or primer, compatible with finish coats, to concealed surfaces of woodwork. Apply two coats to back of paneling.

- C. Transparent Finish:
  - 1. Grade: Premium.
  - 2. WI Finish System: Acrylic lacquer.
  - 3. Staining: None required.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Before installation, condition woodwork to average prevailing humidity conditions in installation areas. Examine shop-fabricated work for completion and complete work as required, including removal of packing and backpriming.
- B. Grade: Install woodwork to comply with requirements for the same grade specified in Part 2 for fabrication of type of woodwork involved.
- C. Install woodwork level, plumb, true, and straight to a tolerance of **1/8 inch in 96 inches**. Shim as required with concealed shims.
- D. Install millwork and finish trim as shown on drawings and details with tight joints securely nailed.
- E. Scribe and cut woodwork to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
- F. Anchor woodwork to anchors or blocking built in or directly attached to substrates. Secure with countersunk, concealed fasteners and blind nailing as required for complete installation. Use fine finishing nails or finishing screws for exposed fastening, countersunk and filled flush with woodwork and matching final finish if transparent finish is indicated.
- G. Paneling: Anchor paneling to supporting substrate as detailed. Do not use face fastening, unless otherwise indicated.

### 3.2 DOORS AND FRAMES

- A. Install all doors except aluminum doors. Refer to corresponding specification section.
- B. Access doors
  - 1. Install access doors in the area of new work at all enclosed and accessible furred areas, such as enclosed areas under stairs, furred ceiling areas where height is 2'-0" or greater.
  - 2. Location of access doors to be determined on job site by Architect.
  - 3. Inaccessible furred areas include canopy soffits and overhangs, where enclosed space is filled by joists.
  - 4. Each trade installing concealed work to which access must be available and/or required shall furnish access doors and frames and they shall be installed under this section.

C. Builder Hardware:

1. Fit all finish hardware to wood doors, hollow metal and access doors accurately; apply and adjust carefully.
2. Door knobs and center door pulls shall be located above the floor as noted in hardware section and on drawings. Leave in working order and free from defects.

3.3 PROTECTION

- A. Maintain protection to the work to avoid damage prior to and after finishes are applied.

END OF SECTION 064023