

SECTION 095426

WOOD WALL PANELS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes: Wood wall panels.

B. Related Sections:

- 1. Section 062023 "Interior Finish Carpentry" for wood slat wall system WP-3. (Addendum-02)**

1.3 ACTION SUBMITTALS

- A. General: Submit each item in this Section according to the Conditions of the Contract and Division 1 Specification Sections.
- B. Product Data: For each type of product specified.
- C. Samples: For verification of each type of exposed finish required, prepared on samples of size indicated below. Where finishes involve normal color and texture variations, include sample sets showing the range of variations expected.
 - 1. 12-inch x 18-inch samples of each panel type, pattern, and color.
- D. Shop Drawings: Provide Shop Drawings/Coordination Drawings for all walls, including product details.
- E. Wood walls shall have a backing of sound-absorbing fiberglass insulation. Shop drawings to show open area of slats and sufficient access to sound absorbing area behind.
- F. LEED Submittals:
 - 1. Complete the LEED Material Buyout Form (MBoF) with all materials provided to the project. A complete submittal includes providing all material costs in the MBoF and all of the supporting documentation for the following credits:
 - a. MRc2 - Environmental Product Declarations (EPD): Provide Industry-Wide or Product-Specific EPD.
 - b. MRc3 - Sourcing of Raw Materials - Recycled Content: Provide product data for pre- and post- consumer recycled content.
 - c. MRc3 - Sourcing of Raw Materials – Forestry Stewardship Council (FSC) Certified Wood: For all wood products designated in this specification as "FSC certified,"

provide vendor invoices with the vendor's Chain-of-Custody (COC) number and identify each FSC certified product on a line-item basis. If FSC wood products are modified off-site by an architectural woodworker or millworker, the woodworker shall have an FSC COC number.

- d. MRc4 - Material Ingredients, Provide manufacturers Declare label, Health Product Declaration (HPD), Cradle to Cradle Certification, or Cradle to Cradle Health Product Certificate.

1.4 PROJECT CONDITIONS

- A. Space Enclosure and Environmental Limitations: Do not install wood panels until spaces are enclosed, conditioned, and weatherproof, wet-work in spaces is completed and dry, and ambient temperature and humidity conditions are being maintained at the levels indicated for Project when occupied for its intended use.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Engage an experienced Installer, approved by wood panel manufacturer, who has completed panel walls similar in species, design, and extent to that indicated for this Project and with a record of successful in-service performance.
- B. All work shall meet local codes and regulations of Authorities Having Jurisdiction.
- C. Single-Source Responsibility: Obtain wood panel from a single fabricator, with in-house Shop Drawing capabilities, in-house assembly and finishing capabilities, and with resources to provide products of consistent quality in appearance and physical properties without delaying the project.
- D. Single-Source Responsibility for Suspension System: Obtain each type of suspension system from a single source with resources to provide products of consistent quality in appearance and physical properties without delaying project.
- E. Pre-Installation Conference: Conduct conference at Project site to comply with requirements of Division 1 Section "Project Meetings."

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery & Unloading: Coordinate crate sizes, weights, unloading options, and delivery schedule with manufacturer prior to fabrication. Deliver wood panels and suspension system components to Project site in original, unopened packages and store them in a fully enclosed space where they will be protected against damage from moisture, direct sunlight, surface contamination, and other mistreatment.
- B. Acclimatization: Before installing wood panels, permit them to reach room temperature and a stabilized moisture content (at least 72 hours) per AWI standards.
- C. Handling: Handle wood panels carefully to avoid chipping edges or damaging units in any way.
- D. Protection:
 - 1. Personnel: Follow good safety and industrial hygiene practices during handling and installing of all products and systems, with personnel to take necessary precautions and wear appropriate protective equipment as needed. Read related literature for important

information on products before installation. Contractor to be solely responsible for all personal safety issues during and subsequent to installation; architect, specifier, owner, and manufacturer will rely on contractor's performance in such regard.

2. Existing completed work: Protect completed work above suspension system from damage during installation of suspension system components.

1.7 EXTRA MATERIALS/WARRANTIES

- A. Extra Materials: Furnish extra materials described below that match products installed, are packaged with protective covering for storage, and are identified with labels clearly describing contents.
- B. Warranties: Provide owner with a (1) year warranty for material and workmanship on all installed products.
 1. Manufacturers: All materials shall be warranted for (1) one year for material and workmanship.
 2. Installer: All work shall be warranted for (1) year from final acceptance of completed work.

PART 2 - PRODUCTS

2.1 LEED REQUIREMENTS

- A. IW/PS EPD: Products specified under this section shall have either a Type III Product Specific EPD or the company shall be listed in the industry group responsible for the Industry Wide Externally Verified EPD.
- B. Composite Woods: Composite wood and agri-fiber products shall be made using ultra-low-emitting formaldehyde (ULEF) resins as defined in the California Air Resources Board's "Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products" or shall be made with no added formaldehyde (NAF)
- C. Ceilings, Walls, Thermal and Acoustic Insulation: All ceilings, thermal insulation, acoustic insulation, products provided under this specification section shall be compliant with CDPH Standard Method v1.2-2017 emissions testing with proper unexpired CDPH testing certificates or acceptable third party certification.

2.2 PERFORMANCE

- A. Design Criteria:
 1. General:
 - a. Provide work in compliance with specified standards, performance requirements, material selections, and requirements of this and related sections.
 - b. Regulations: Conform with the requirements of the applicable building code as it pertains to engineering, design, fabrication, and installation of system.
 2. Fire-Test-Response Characteristics: As determined by testing identical materials applied with identical adhesives to substrates according to test method indicated below by a

qualified testing agency. Identify products with appropriate markings of applicable testing agency.

- a. Surface-Burning Characteristics: As follows, per ASTM E 84:
 - 1) Class C / Class III:
 - a) Flame-Spread Index: 76 to 200.
 - b) Smoke-Developed Index: 0 to 450.

2.3 MANUFACTURER

- A. Wood Panels:
 - 1. Basis-of-Design: Rulon International, Inc. Systems shall be bent to match custom radius, as shown on Drawings.
 - a. 9Wood.
 - b. _____.
 - c. Or equal.
 - 2. Provide product with a Health Product Declaration (HPD).

2.4 WOOD WALL PANELS

- 1. [WP-1] Wood slat grille system:
 - a. Member Size: Sizing and spacing as shown on Drawings.
 - b. Edge Profile: Square edge.
 - c. Fire Rating: Class B Flame Spread Rating.
 - d. Acoustic Board: Dimensionally stable board to be used behind grilles.
Per ASTM E84, flame spread and smoke development shall be 25 and 50 respectively.
 - 1) Basis-of-Design: Owens Corning "SelectSound Black Acoustic Board" or equal.
- 2. [WP-2] Perforated wood wall panels:
 - a. Member Size: Sizing and spacing as shown on Drawings.
 - b. Edge Profile: Veneered edge banding with square edge.
 - c. Fire Rating: Class B Flame Spread Rating.
 - d. Reveal Scrim: White or black color to be selected by the Architect.
Provide custom colored fasteners to match scrim fabric.
 - e. Open area for access to acoustic treatment behind: To be determined.

2.5 ANCHORAGE SYSTEM

- A. Anchorage: As shown on Drawings.

2.6 SOUND ABSORBING BACKING

- A. At Penthouse Ceiling: 2-inch fiberglass sound absorbing panel, minimum 3 pcf.
 - 1. Basis-of-Design Product: Owens Corning "Fiberglas" Duct Liner Board
 - 2. Sound absorption: Minimum sound absorption coefficient ratings as follows, per ASTM C423 (Type A mounting):

125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
.24	.79	1.0	1.0	1.0	1.0

PART 3 - EXECUTION

3.1 EXAMINATION

- A. General: Examine substrates and structural framing, with installer present, for compliance with requirements specified in this and other sections that affect installation and anchorage. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Coordination: Furnish layouts for cast-in-place anchors, clips, and other anchors whose installation is specified in other Sections.
- B. Layout: Measure each area and establish the layout of wood panel to balance border widths at opposite edges of each wall. Avoid using less-than-half-width panels at borders, and conform to the layout shown on plans, in accordance with wood panel manufacturer's approved Shop Drawings.

3.3 INSTALLATION

- A. Installation of Wood Grille: Install panels in accordance with manufacturer's installation instructions and in compliance with all local codes and regulations. Install with undamaged edges and fitted accurately to suspension system runners and edge moldings. Scribe and cut panels at borders and penetrations to provide a neat, precise fit, as required.
- B. Installation of Wall Panels: Install wall panels with concealed z-clips as shown on Drawings.

3.4 CLEANING

- A. General: Clean exposed wood surfaces of assemblies. Comply with manufacturer's instructions for cleaning and touchup of minor finish damage. Remove and replace wood components that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

END OF SECTION

This Page Left Intentionally Blank