

SECTION 09 77 14
WOOD VENEER WALL PANELS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general conditions of Contract, including General and Supplementary Conditions and Divisions-1 Specification sections apply to work of this section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Wood veneer wall panels and installation components.
- B. Related Sections:
 - 1. Section 06 20 00 - Finish Carpentry
 - 2. Section 09 20 00 -Gypsum Board
 - 3. Section 09 91 00 - Painting
 - 4. Division 26 - Electrical Work

1.3 REFERENCES

- A. Test Methods:
 - 1. ASTM C 423 Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
 - 2. ASTM E 84/CAN/ULC S102 Standard Test Method for Surface Burning Characteristics of Building Materials.
 - 3. CAN/ULC S102 Standard Test Method for Surface Burning Characteristics of Building Materials.

1.4 SUBMITTALS

- A. Product Data: Submit manufacturer's technical data for each type of wall panel and component materials required.
- B. Samples: Minimum 3 inch x 3 inch samples of specified wall substrate; minimum 4 inch long samples of attachment method including trim and decorative accents.
- C. Shop Drawings: Submit shop drawings showing how panels are to be laid out on the walls, details of trim members and width of panels. Width of panels and location of vertical seams are critical.

1.5 QUALITY ASSURANCE

- A. Single-Source Responsibility: Provide wall panel units and installation components by a single manufacturer.
- B. Fire Performance Characteristics: Identify acoustical wall components with appropriate markings of applicable testing and inspecting organization.
 - 1. Surface Burning Characteristics: As follows, tested per ASTM E 84,
 - a. Flame Spread: 25 or less

- b. Smoke Developed: 200 or less
- C. Coordination of Work: Coordinate wall panel work with installers of related work including, but not limited to building insulation, gypsum board, light fixtures, mechanical systems, electrical systems, and sprinklers.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver wall panels 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 causes.
- B. Before installing wall panels, permit them to reach room temperature and a stabilized moisture content.
- C. Handle wall panels carefully to avoid chipping edges or damaged units in any way.

1.7 PROJECT CONDITIONS

- A. Space Enclosure:

Wood veneer wall panel materials should be permitted to reach room temperature and have a stabilized moisture content for a minimum of 72 hours before installation.

The wood veneer panels should not be stored or installed in spaces where the temperature or humidity conditions vary greatly from the temperatures and conditions that will be normal in the occupied space.

As interior finish products, the wood veneer panels are designed for installation in temperature conditions between 50 degrees F and 86 degrees F, in spaces where the building is enclosed and HVAC systems are functioning and will be in continuous operation. Relative humidity should not fall below 25 percent or exceed 55 percent.

1.8 WARRANTY

- A. Wall Panel: Submit a written warranty executed by the manufacturer, agreeing to repair or replace panels that fail within the warranty period.
- B. Warranty Period: One (1) year from date of substantial completion.
- C. The Warranty shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and will be in addition to and run concurrent with other warranties made by the Contractor under the requirements of the Contract Documents.

PART 2 - PRODUCTS

2.2 ACOUSTICAL WALL PANELS

- A. Wall Panels: Type AWP-1 - Quality Standard:
 - 1. Surface Texture: Smooth
 - 2. Composition: Particle Board
 - 3. Finish: Match "Natural Constants - Cherry" by Armstrong
 - 4. Size: As indicated on drawings X 3/4 inch thick
 - 5. Edge Profile: K2C2 both vertical edges for interface
 - 6. Flame Spread: ASTM E84 (HPVA), Class A
- B. Dimensional Stability: Standard - space must be enclosed with HVAC systems operating at all times.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Do not proceed with installation until all wet work such as concrete, terrazzo, plastering and painting has been completed and thoroughly dried out, unless expressly permitted by manufacturer's printed recommendations.

3.2 PREPARATION

- A. Measure each wall area and establish layout of acoustical units to balance border widths at opposite edges of each wall. Coordinate panel layout with mechanical and electrical fixtures.

3.3 INSTALLATION

- A. Install wall panels by attaching the panels to an existing wall Per the manufacturer's instructions, using a Z-clip installation system, and in accordance with the authorities having jurisdiction.

3.4 ADJUSTING AND CLEANING

- A. Replace damaged and broken panels.

- - -END OF SECTION- - -