SECTION 09 74 13

Fusion Wood Wall Panels

**PART 1 GENERAL**

1. **SECTION INCLUDES**
	1. Perforated wood veneer and laminate wall panel.
	2. Accessories for wall installation.
2. **PAYMENT PROCEDURES**
3. Deposits for materials may be required.
4. **SUBMITTALS**
	1. Product Data: Manufacturer’s technical data sheet and installation instructions for each type of wall panel required.
	2. Shop Drawings: Submit shop drawings, including details, for all walls. Coordinate wall layout, installation, and components with construction elements that penetrate walls or are supported by them. Show overall layout with dimensions and details for penetrations and intersections with other materials or building components.
	3. Samples: Submit three (3) full size samples of each panel type and veneer type required.
	4. Certificates: Submit manufacturer’s certificate that products meet or exceed specified requirements.
	5. Test Reports: Upon request, submit certified test reports from recognized test laboratories.
5. **MAINTENANCE MATERIAL**
6. Extra Materials:
	* 1. Deliver no less than two percent (2%) of each type, color and pattern of material.
		2. Extra materials shall be from the same production run as the original materials.
		3. Extra materials shall remain in the manufacturer’s original packaging and given to the building owner upon substantial completion of the work. Store extra materials per instructions as described in storage and handling requirements.
7. **QUALITY ASSURANCE**
	1. Qualifications:
		1. Manufacturers: Provide wood wall panels from a single manufacturer.
		2. Installers: Utilize an installer having demonstrated experience on projects of comparable size and complexity.
8. **DELIVERY, STORAGE, AND HANDLING**
	1. Storage and Handling Requirements:
		1. Handle products carefully to avoid damage or chipping edges.
		2. Store products in a clean, cool, dry place, and out of direct sunlight.
		3. Store products in a space where the ambient temperature and humidity conditions are being maintained at the levels indicated for the project when occupied for its intended use.
9. **SITE CONDITIONS**
	1. Ambient Conditions:
		1. Permit panels to reach room temperature, 50 to 86 degrees Fahrenheit. Stabilize moisture content, 25 to 55 percent RH, for at least 72 hours before installation per AWI standards.
		2. Maintain ambient temperature and humidity conditions at levels indicated for the project when occupied for its intended use.
		3. Do not install products under environmental conditions outside manufacturer’s recommended limits.
	2. Existing Conditions: Do not install wood wall panels until space is enclosed and weather proofed, wet work is completely dry, and work on walls is complete.
10. **WARRANTY**
	1. Provide manufacturer’s written product warranty per Section 01 77 00 – Closeout Procedures.

**PART 2 PRODUCTS**

1. **MANUFACTURERS**
	1. ASI Architectural, 123 Columbia Court N, Chaska, MN 55318.
	Phone: 888-258-4637. Fax: 952-448-2613. Website: www.asiarchitectural.com
2. **DESCRIPTION**
	1. Product Description: Fusion wood wall panels as manufactured by ASI Architectural.
	2. Product Options: For each item listed below, please select one (1) option from the choices.
		1. Panel Composition: (Wood veneer) / (Laminate)
		2. Core: (Class A FR Particle Board) / (Class A FR MDF Board)
		3. Edge Banding: (To match veneer species and finish or laminate color)
		4. Finish: Veneer: (Custom stain to match architect sample with clear lacquer topcoat) / (Clear lacquer topcoat)
		 Laminate: (Laminate to match architect’s selection)
		5. Veneer Species: (Custom to match architect sample) / (Choose from list of standard species on ASI Architectural website)
		6. Perforations: (Perforated) / (Unperforated) / (Slotted)
		7. Perforation Pattern: (Square) / (Diamond) / (Staggered)
		8. Perforation Size: (4mm) / (6mm) / (8mm)
		9. Perforation Spacing: (16mm) / (32mm)
		10. Thickness: (3/4”)
		11. Size: (24” x 24”) / (24” x 48”) / (Custom up to 24” x 96”)
3. **ACCESSORIES**
	1. Attachment hardware for wall panels as specified by manufacturer for installation.
	2. If perforated, SoundTex acoustic nonwoven porous sound-absorbing material applied to back of panel.
	3. Accessories with Options: Select one (1) option from the choices for each of the following accessories.
		1. 3/16” x 2” wall spline. Color: (Black) / (Veneer to match panel).
		2. If perforated, acoustical backer: (1") / (2") x 24" x 48". Black.
		3. Vertical trim: 3/4" x (4") / (6") / (Custom) x (96") / (120"). Vertical trim finish to match finish of wall panels.

**PART 3 EXECUTION**

1. **EXAMINATION**
2. Verification of Conditions:
	1. Inspect installation area and conditions under which work is to be performed for compliance with all manufacturers’ environmental requirements.
	2. All wet work in the installation area must be complete, cured, and dry prior to installation.
	3. Wall assembly shall be complete, inspected, and accepted before wall work begins.
3. **INSTALLATION**
4. Comply with manufacturer’s instructions and recommendations for installation of wall panels and industry standards.
5. Coordinate the exact size, location, and sequencing of penetrations of wall panels by all building components.
6. Lay out wall pattern per approved shop drawings if required. Where not otherwise indicated, lay out panels so margins on opposite sides of rooms are equal or greater than half (1/2) the panel width.
7. **ADJUSTING**
8. Adjust panels after installation so that surfaces are aligned, flush, and level with gaps between units consistent in width and straight.
9. **CLEANING**
10. Clean surfaces of wall panels per manufacturer’s instructions.
11. Remove and replace damaged or discolored material and material that cannot be properly cleaned.
12. **PROTECTION**
13. Protect installed work from damage due to subsequent construction activity, including temperature and humidity limitations and dust control, so that the work will be without damage and deterioration at the time of acceptance by the owner.

END OF SECTION