

**ITEMS IN RED TYPE SHOULD BE MODIFIED OR DELETED TO FIT YOUR  
SPECIFIC JOB REQUIREMENT**  
**Please print modified form and submit with other documents during the quoting stage of  
your order.**

**Interlam, Corp. Art Diffusion/Elements  
SPECIFICATIONS  
SECTION 06 06 40  
Architectural Wall Panels**

**Part 1 - General**

**1.01 Summary**

- A. This section includes the following type of wall panel:
  - 1. **Art Diffusion or Elements** pattern number or name **SOU-009**

**1.02 References**

- A. National codes (IBC, UBC, SBCCI, BOCA and Life Safety)
- B. American Society for Testing and Materials (ASTM)
- C. Underwriters Laboratories (UL)
- D. USGBC/LEED's
- E. CARB ATCM Phase 2
- F. Forestry Stewardship Council (FSC)

**1.03 Submittals**

- A. General: Submit the following in accordance with conditions of contract and Division 1 specification section 01 33 00 "Submittal Procedures".
- B. Product data and detailed specifications for each system component and installation accessory required, including installation methods.
- C. Shop drawings showing locations, seam locations, placement of "in-wall blocking" and or plywood skinned walls, pattern orientation, installation method, corner conditions and installation details of wall panel products.
- D. Samples for verification purposes: Submit the following samples, as proposed for this work, for verification of color, texture, pattern and thickness:
  - 1. Sample of each product specified.
- E. Product test reports from a qualified independent testing laboratory showing compliance of each component with requirements indicated.
- F. Maintenance data for wall system components for inclusion in the operating and maintenance manuals specified in Division 1.

**1.04 Quality Assurance**

- A. Installer qualifications: Engage an installer who has no less than 3 years experience in installation of wall panels similar in complexity to those required for this project.
- B. Product quality standard: To comply with AWI section 500 for flush fitting wood paneling. Quality grade to be premium.
- C. Code compliance: Assemblies should conform to all applicable codes including IBC, UBC, SBCCI, BOCA and Life Safety.

- D. Fire performance characteristics:** Provide wall panels fabricated from fire rated materials tested in accordance with ASTM-E84 (CAN/ULC S102.2) for Class 1 characteristics listed below:
1. Flame spread 25 or less
  2. Smoke developed: 150 or less (DELETE IF CLASS A IS NOT REQUIRED)

### **1.05 Delivery, Storage and Handling**

- A.** Immediately upon delivery, contractor must open crate and inspect goods prior to signing the bill of lading. This must occur regardless of any visible signs of external damage to the crating material. "Hidden" damage due to stacking of freight or mishandling the crate during the shipping process may occur. This is "Freight Damage" and not the responsibility of Interlam. If damage is found, contractor MUST sign for the freight as damaged and the driver must acknowledge that the contractor is signing for damaged freight. It is the responsibility of the contractor to file any and all freight claims resulting from this process. Interlam has no liability after the goods are shipped from Seller's address. Store materials in original, undamaged packaging in a clean, dry place out of direct sunlight and exposure to the elements. A room temperature of 40-100°F (4-38°C) should be maintained.
- B.** Materials must be stored flat.

### **1.06 Project Conditions**

- A.** Materials must be acclimated in an environment of 65-75°F (18-24°C) with maintained relative humidity levels of 25-55% for at least 48 hours prior to beginning the installation.
- B.** Installation areas must be enclosed and weatherproofed before installation commences.

## **Part 2 - Products**

### **2.01 Manufacturers**

- A.** Interior wall panel product specified herein and installed on the submittal drawings shall be manufactured by:  
Interlam, Corp..  
391 Hickory Street  
Mount Airy, NC 27030  
(P) 336-786-6254 (F) 336-786-9460  
[www.interlam-design.com](http://www.interlam-design.com)

### **2.02 Materials**

- A.** Wall Panels to be pattern **SOU-009 1 1/2" thick** :
1. Interlam Art Diffusion Wall Panel to be Flakeboard FR 1 ½" thick 48" x 96" fibre core panel. Pattern to be carved in vertical orientation and installed in horizontal orientation.

### **2.03 Wall Panel Mounting:**

**You may choose an option below or specify your own method:**

- A.** Panel to be mounted directly to drywall using PL Premium Polyurethane adhesive ([www.stickwithpl.com](http://www.stickwithpl.com)) AND face screwed into studs or blocking. Screw holes

should be filled with an automotive body filler such as bondo and the seams should be filled with a flexible seam filler that is compatible with the top coat. The seams should be allowed to dry and flush sanded prior to field applied top coat. (Please note: If this option is chosen, The product should be ordered from Interlam as “primed and sanded”).

**B.**

Panels to be mounted on Z-Clips provided there is sufficient material thickness to allow screw attachment of the clips to the Art Diffusion panel. Panels shall be thick enough or with a thick enough backer to accommodate the screws that are to be used. Panels of minimum recommended thickness can be used for Z-Clip installation, but the installer must first glue wood screw cleats to the back of the panel. Z-Clips should run the full panel width to insure adequate support across the entire panel. A minimum of four (4) rows of z-clips are required per 8 foot high panel specified. The rows should be situated at the extreme top and bottom of the panel with the remaining rows centered. Plywood or solid wood “in-wall” blocking is required with metal stud construction and recommended with wood framing. (Please note: This method can be used for prefinished panels)

**C.**

Construction Mastic Only

A high quality construction mastic such as “Liquid Nails” or a “PL” Mastic such as “PL Premium Polyurethane” [www.stickwithpl.com](http://www.stickwithpl.com) can be applied to the back of the panels and then pressed onto a structurally sound surface (follow construction mastic manufacturer’s application instructions). Panels must be mechanically held in place until mastic is completely set. The installer MUST insure the panels are completely flat and aligned prior to the mastic curing. Improper placement using this method will result in a permanent incorrect installation with bowing or cupping on all sides at joints. It is NOT recommended that this method be used when applied only to painted surfaces or directly to drywall. A plywood skin will used as a substrate will yield the best results.

**2.04 Fabrication**

A. General: Fabricate wall panels to comply with requirements indicated for design, dimensions, detail, finish and sizes. All based upon required field verified dimensions.

**2.05 Finishes**

A. Seal backs and edges prior to finishing faces. Top Coat TBD

**Part 3 - Execution**

**3.01 Examination**

A. Verification of conditions: Examine areas and conditions under which work is to be performed and identify conditions detrimental to proper or timely completion.

1. Do not proceed until unsatisfactory conditions have been corrected.

### **3.02 Preparation**

- A.** Surface preparation: Prior to installation, clean substrate to remove dirt, debris and loose particles.
  
- B.** Protection: Take all necessary steps to prevent damage to material during installation as required in manufacturer's installation instructions.

### **3.03 Installation**

- A.** Install the work of this section in strict accordance with the manufacturer's recommendations and the required field verified dimensions.
- B.** Temperature at the time of installation must be between 65-75°F (18-24°C) and be maintained for at least 48 hours after the installation to allow for proper adhesive set up.
- C.** Relative humidity should be maintained within the range of 25-55%.

### **3.04 Cleaning**

- A.** General: Immediately upon completion of installation, clean wall panels and accessories in accordance with manufacturer's recommended cleaning method.
- B.** Remove surplus materials, rubbish and debris resulting from installation as work progresses and upon completion of work.

### **3.05 Protection**

- A.** Protect installed materials to prevent damage by other trades. Use materials that may be easily removed without leaving residue or permanent stains.