SECTION 09 54 00

Beams

**PART 1 GENERAL**

1. **SECTION INCLUDES**
	1. Wood veneer beams.
	2. Accessories for installation.
2. **PAYMENT PROCEDURES**
	1. Deposits for materials may be required.
3. **SUBMITTALS**
	1. Product Data: Manufacturer’s technical data sheet and installation instructions for each type of beam required.
	2. Shop Drawings: Submit shop drawings, including details, for all beams. Coordinate beam layout, installation, and suspension system components with construction elements that penetrate beams 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 beam type and veneer type required.
	4. Certificates: Submit manufacturer’s certificate that products meet or exceed specified requirements.
4. **MAINTENANCE MATERIAL**
5. 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.
6. **QUALITY ASSURANCE**
	1. Qualifications:
		1. Manufacturers: Provide beams from a single manufacturer.
		2. Installers: Utilize an installer having demonstrated experience on projects of comparable size and complexity.
7. **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.
8. **SITE CONDITIONS**
	1. Ambient Conditions:
		1. Permit beams 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 beams until space is enclosed and weather proofed, wet work is completely dry, and work above beams is complete.
9. **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: Beams 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)
		2. Core: (Class A FR Particle Board) / (Class A FR MDF Board)
		3. Edge banding: (To match veneer species and finish)
		4. Finish: (Custom stain to match architect sample with clear lacquer topcoat)
		 / (Clear lacquer topcoat)
		5. Veneer Species: (Custom to match architect sample) / (Choose from list of standard species on ASI Architectural website)
		6. Veneer Match: (None) / (End Match)
		7. Beam Width: (6”) / (Custom)
		8. Beam Height: (6”) / (Custom)
		9. Length: (96”) / (120”) / (Custom)
3. **ACCESSORIES**
4. Wood sleeve for alignment.
5. #20 Biscuits for alignment.
6. Finished end (factory mitered).
7. Blocked end – beam to beam intersection.
8. Accessories with Options: Select one (1) option from the choices for each of the following accessories.
	1. (Suspension eyelets – factory installed) / (1-1/2” blocking and trim screws – field applied)

**PART 3 EXECUTION**

1. **EXAMINATION**
	1. 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. Work above beams shall be complete, inspected, and accepted before beam work begins.
2. **INSTALLATION**
3. Comply with manufacturer’s instructions and recommendations for installation of beams and industry standards.
4. Coordinate the exact size, location, and sequencing of beams.
5. Lay out beam pattern per approved shop drawings if required. Where not otherwise indicated, lay out beams so margins on opposite sides of rooms are equal.
6. **ADJUSTING**
7. Adjust beams after installation so that surfaces are aligned, flush, and level with gaps between units consistent in width and straight.
8. **CLEANING**
9. Clean solid surfaces of beams per manufacturer’s instructions.
10. Remove and replace damaged or discolored material and material that cannot be properly cleaned.
11. **PROTECTION**
12. 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