

### 3-PART SPECIFICATION FOR

### ECHO WOOD RECONSTITUTED WOOD VENEER

#### GENERAL NOTES TO SPECIFIER:

THIS SPECIFICATION SECTION HAS BEEN PREPARED TO ASSIST DESIGN PROFESSIONALS IN THE PREPARATION OF PROJECT OR OFFICE MASTER SPECIFICATIONS. IT FOLLOWS GUIDELINES ESTABLISHED BY THE CONSTRUCTION SPECIFICATIONS INSTITUTE, AND THEREFORE MAY BE USED WITH MOST MASTER SPECIFICATION SYSTEMS WITH MINOR EDITING.

EDIT CAREFULLY TO SUIT PROJECT REQUIREMENTS. MODIFY AS NECESSARY AND DELETE ITEMS THAT ARE NOT APPLICABLE. VERIFY THAT REFERENCED SECTION NUMBERS AND TITLES ARE CORRECT. (NUMBERS AND TITLES REFERENCED ARE BASED ON *MASTERFORMAT*, 2004 EDITION).

THIS SECTION ASSUMES THE PROJECT MANUAL WILL CONTAIN COMPLETE DIVISION 1 DOCUMENTS INCLUDING SECTIONS 01 25 13-PRODUCT SUBSTITUTION PROCEDURES, 01 33 00-SUBMITTAL PROCEDURES, 01 62 00-PRODUCT OPTIONS, 01 66 00-PRODUCT STORAGE AND HANDLING REQUIREMENTS, 01 74 00-CLEANING AND WASTE MANAGEMENT, 01 77 00-CLOSEOUT PROCEDURES, AND 01 78 00-CLOSEOUT SUBMITTALS. CLOSE COORDINATION WITH DIVISION 1 SECTIONS IS REQUIRED. IF THE PROJECT MANUAL DOES NOT CONTAIN THESE SECTIONS, ADDITIONAL INFORMATION SHOULD BE INCLUDED UNDER THE APPROPRIATE ARTICLES.

THIS IS A PROPRIETARY SPECIFICATION.

NOTES TO THE SPECIFIER ARE CONTAINED IN BOXES AND SHOULD BE DELETED FROM FINAL COPY.

GREY HIGHLIGHTED GREEN TEXT AND NOTES RELATE TO LEED® PROJECTS AND CAN BE DELETED IF THE PROJECT IS NOT INTENDED TO ATTAIN LEED® CERTIFICATION. CREDIT REFERENCES REFER TO LEED® FOR NEW CONSTRUCTION, V2.2.

OPTIONAL ITEMS REQUIRING SELECTION BY THE SPECIFIER ARE ENCLOSED WITHIN BRACKETS, E.G. [35] [40] [45]. MAKE APPROPRIATE SELECTIONS AND DELETE OTHERS.

ITEMS REQUIRING ADDITIONAL INFORMATION ARE UNDERLINED BLANK SPACES, E.G. \_\_\_\_\_.  
**BOLD FACE TYPE** IDENTIFIES OPTIONAL PARAGRAPHS AND FEATURES THAT MAY BE INCLUDED OR DELETED DEPENDING ON PROJECT REQUIREMENTS. CONVERT THE BOLD FACE TYPE TO REGULAR TYPE WHEN INCLUDING THESE PARAGRAPHS OR FEATURES. WHEN DELETING A PARAGRAPH, BE CERTAIN THAT ALL SUBPARAGRAPHS ARE ALSO DELETED.

REVISE FOOTER TO SUIT PROJECT/OFFICE REQUIREMENTS.

ELECTRONIC VERSIONS OF THIS SPECIFICATION UTILIZE AUTOMATIC PARAGRAPH NUMBERING.

WHEN EDITING IS COMPLETE, DELETE ALL TEXT ON THIS PAGE, THEN REMOVE THE SECTION BREAK AT THE TOP OF THE NEXT PAGE TO REMOVE THIS PAGE FROM THE DOCUMENT.

**SPECIFICATION BEGINS ON THE FOLLOWING PAGE.**

## SECTION 09 74 00

### Wood Veneer Laminates

#### PART 1 - GENERAL

##### 1.01 SUMMARY

ECHO WOOD RECONSTITUTED WOOD VENEER CAN BE USED IN A VARIETY OF APPLICATIONS. SOME OF THE MORE COMMON USES ARE INDICATED BELOW. DELETE OR ADD FROM THE LISTED ITEMS BELOW AS APPLICABLE.

###### A. Section Includes:

1. Echo Wood Reconstituted Wood Veneer used as: [Decorative wainscoting,] [ceiling panels,][interior doors'] [furniture,] [wall panels,] [kitchen systems,] [wall coverings.] [other.]

###### B. Related Sections:

1. Division 01: Administrative, procedural, and temporary work requirements.

##### 1.02 REFERENCES

###### A. Abbreviations and Acronyms:

1. ANSI: American National Standards Institute.
2. ASTM: American Society for Testing and Materials.
3. HPVA: Hardwood Plywood & Veneer Association.
4. LEED®: Leadership in Energy and Environmental Design.

###### B. Reference Standards: Current edition at date of Bid.

1. American Society for Testing and Materials:
  - a. [ASTM D 1037](#): Standard Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials.
  - b. [ASTM D 3043](#): Standard Test Methods for Structural Panels in Flexure.
  - c. [ASTM D 3500](#): Standard Test Methods for Structural Panels in Tension.
  - d. [ASTM D 4442](#): Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Base Materials.
  - e. [ASTM E 84](#): Standard Test Method for Surface Burning Characteristics of Building Materials.
  - f. [ASTM E 1333](#): Method for Determining Formaldehyde Concentrations in Air Emission Rates from Wood Using a Large Chamber.
2. American National Standards Institute/Hardwood Plywood and Veneer Association:
  - a. [ANSI/HPVA HP-1](#): Standard for Hardwood and Decorative Plywood.
  3. [US Green Building Council: LEED Green Building Rating System™](#).

##### 1.03 SUBMITTALS

- ###### A. Reference Section 01 33 00–Submittal Procedures; submit following items:

1. Product Data: For each type of product [, including finishing materials and processes].
2. LEED® Submittals:
  - a. Credit MR 4.1 – Recycled Content: Receipts for salvaged and refurbished materials used for Project, indicating sources and costs for salvaged and refurbished materials.
  - b. Credit MR 5.1 – Regional Materials Extracted, harvested, recovered or manufactured regionally.
  - c. Credit MR 7 – FSC-Certified Wood: Chain-of-custody certificates for products containing certified wood.
  - d. Credit IEQ 4.1 – Low-Emitting Materials, Adhesives and Sealants: Product data for adhesives and sealants, indicating VOC content of each product used. Indicate VOC content in g/L calculated.
  - e. Credit IEQ 4.4 - Low-Emitting Materials, Composite Wood & Agrifiber Products: Product data for products containing composite wood or agrifiber products or wood glues indicating that they do not contain urea-formaldehyde resin.

#### 1.04 QUALITY ASSURANCE

##### A. Qualifications:

###### 1. Manufacturer:

- a. Minimum five years experience manufacturing or installing wood veneers..
- b. Maintain documentable quality control program.

#### 1.05 DELIVERY, STORAGE, AND HANDLING

- A. Reference Section 01 66 00–Product Storage and Handling Requirements.
- B. Delivery of panels in original packaging not less than 10 days prior to start of installation.
- C. Store materials minimum [6] inches above ground on framework or blocking and protect unused material with weatherproof covering, providing for adequate air circulation.
- D. Do not store seasoned or treated materials in damp location.
- E. Protect edges and corners of sheet materials from damage.
- F. Maintain an ambient temperature exceeding 65 degrees Fahrenheit and 40-60% relative humidity during the conditioning period.
- G. Unfinished material shall be stored out of direct sunlight.

## 1.06 WARRANTY

- A. Hardwoods Specialty Products US LP warrants that Echo Wood veneer are free from defects in materials and workmanship at the time of delivery. The Full warranty is available at [www.hardwoods-inc.com](http://www.hardwoods-inc.com).

## PART 2 - PRODUCTS

### 2.01 MANUFACTURER

- A. Acceptable Manufacturer: Hardwoods Specialty Products US LP (602) 278-5000

Supplied by Hardwoods Specialty Products, Supplied by Hardwoods Specialty Products, Todd Graham, [tgraham@hdidist.com](mailto:tgraham@hdidist.com), (206)496-8598 or Rich Gorrill, [rgorrill@hdidist.com](mailto:rgorrill@hdidist.com), (602)617-9106.

Substitutions: Not Permitted

### 2.02 MATERIALS

- A. Echo Wood Reconstituted Wood Veneer
  1. Species:
    - a. Ayous (Triplichiton Scleroxylon)
    - b. Basswood (Tilia)
  2. Color name: [Qtr Wenge (insert veneer name)].
  3. Style #: [WG-111Q (insert veneer code)].
  4. Size: [24.8in and 49.6in wide & 97.64in and 122.05in long]
  5. Thickness: 0.6mm
  6. Veneer Grade: A Architectural.
- B. Available Options:
  1. FSC Certified.
  2. Prefinished panels with clear 15% sheen. (Echo Wood PFP)
  3. Fabric backed for drywall applications.
  4. 3M PSA peel and stick backed.
  5. Pre-bonded to plywood core
- C. Accessory Materials:
  1. Edge Tape
    - a. Prefinished Echo Wood veneer edge tape
    - b. ABS edge tape
      - 1) 0.6mm x 20mm-300mm
      - 2) 2mm x 20mm -300mm
- D. Substrates and Balancing Sheets:
  1. Wood veneer laminates must be laminated to MDF, Particleboard, Plywood or other suitable substrate.

2. Balancing sheets of similar thickness and material are recommended for balanced construction to prevent warping.
- E. Fabrication: Comply with manufacture's recommendations and fabrication and finishing instructions.
1. All wood veneers will fade or change color with exposure to a strong light source. A UV inhibiting finish is necessary to retard fading or color change on raw veneers.

NOTE: ECHO WOOD RECONSTITUTED WOOD VENEER SHOULD NOT BE USED IN ANY EXTERIOR APPLICATION .

## PART 3 - EXECUTION

### 3.01 EXAMINATION:

- A. Examine existing conditions to determine that they are suitable for installation.

### 3.02 INSTALLATION:

- A. Precondition materials for a period of 5-7 in the environment that they will be fabricated in.

### 3.03 CLEANING:

- A. Clean surfaces in accordance with the manufacturers instructions.

END OF SECTION<sup>1</sup>