

**SECTION 06 30 00
WOOD LOUVERS**

PART 1 - GENERAL

1.01 DESCRIPTION

- A. This section specified rain screen wood siding system for exterior and interior application with concealed fasteners. The Work includes, but not necessarily limited to, the furnishing and installation of wood siding, railings, clips, and accessories as required for complete installation of the system.

1.02 RELATED WORK

- A. Sustainability requirements: Section 01 81 11, SUSTAINABLE DESIGN REQUIREMENTS.
- B. Color of wood siding: Section 09 06 00, SCHEDULE FOR FINISHES.

1.03 SUBMITTALS

- A. In accordance with Section, 01 81 11, SUSTAINABLE DESIGN REQUIREMENTS, for LEED submittal and LEED credit documentation.
- B. In accordance with Section, 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- C. Manufacturer's Literature and Product Data:
 - 1. Wood.
 - 2. Accessories.
- D. Shop Drawings:
 - 1. Show details of louver system at 1:50 (1/4 inch) scale, fastener, details of construction, methods of anchorage, and details of installation.
- E. Samples:
 - 1. Two 300 mm (one-foot) samples of wood louver material.
 - 2. Fasteners.
- F. Maintenance Instructions: Provide manufacturers maintenance and cleaning instructions.
- G. LEED Submittals, Certified Wood: Submit chain-of-custody certificates signed by manufacturer certifying that wood siding products comply with LEED forest certification and chain-of-custody requirements. Include evidence that mill is certified for chain-of-custody by an FSC-accredited certification body. Include statement indicating costs for each certified wood siding product.

1.04 QUALITY ASSURANCE

- A. Manufacturer: Minimum 5 years experience producing similar products.
- B. Certified: wood species certified as FSC Pure according to FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship".

- C. Meet the requirements set forth in SECTION 01 81 13, SUSTAINABLE DESIGN REQUIREMENTS, for Certified Wood Products and for Composite Wood and Agrifiber Products.
 - 1. All wood and wood-based materials and products are to be Forest Stewardship Council (FSC) Certified.
- D. Finishes: Work specified to have transparent finish in this Section shall be identical in color, appearance, and finish with that specified in Section 09 06 00, SCHEDULE OF FINISHES. Contractor to coordinate samples required for this Sections, and submit them to the COR at the same time for comparative review.
- E. Regulatory Requirements: Comply with requirements of authorizes having jurisdiction and applicable codes at the location of the project.
- F. Field Measurements: Take field measurements prior to the preparation of shop drawings and fabrication where possible; do not delay job progress; allow for trimming and fitting where necessary.

1.05 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Deliver, store and handle protect wood from soiling, damage and construction operations.

1.06 WARRANTY

- A. Provide manufacturer's standard 25 year warranty for hardwood siding materials against insect damage and decay.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Wood Louver:
 - 1. Size: 1" x 6" nominal, Ipe wood (Brazilian Walnut) straight grain lumber
 - a. Average dried weight : 69 lbs/ft³ (1,100 kg/m³)
- B. Louver Components: 1/4" threaded stainless steel rod, type 304.
- C. Fasteners: Stainless fasteners as detailed.

PART 3 - EXECUTION

3.01 PREPARATION

- A. Prior to start fabrication and of installation, inspect existing conditions to ensure surfaces are suitable for installation of louver system and that adequate structural support has been provided.

3.02 INSTALLATION

- A. Install in accordance with approved shop drawings.
- B. Install materials be plumb, true to line, cut and fitted.

3.03 CLEANING AND PROTECTING

- A. Protect from damage during construction operations. Promptly repair any damaged surfaces. Remove and replace work which cannot be satisfactorily repaired.
- B. Clean using materials recommended by the manufacturer to remove stains, dirt and debris prior to final acceptance.

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