SECTION 07 46 16

NATURAL WOOD RAINSCREEN SIDING

Display hidden notes to specifier. (Don't know how? [Click Here](https://www.arcat.com/sd/display_hidden_notes.shtml))

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\*\* NOTE TO SPECIFIER \*\* Advantage Lumber, LLC ; Rainscreen Siding natural wood products.  
This section is based on the products of Advantage Lumber, LLC , which is located at:  
601 Ohio St.  
Buffalo, NY 14203  
Toll Free Tel: 877-232-3915   
Tel: 716-827-3915   
Fax: 716-827-3916  
Email: [request info (jon@advantagelumber.com)](https://admin.arcat.com/users.pl?action=UserEmail&company=Advantage+Lumber,+LLC+&coid=45081&rep=&fax=716-827-3916&message=RE:%20Spec%20Question%20(07460adv):%20%20&mf=)  
Web: <http://www.advantagelumber.com>   
  
 [ [Click Here](https://www.arcat.com/arcatcos/cos45/arc45081.html) ] for additional information.  
  
AdvantageLumber.com sources, manufacturers, and ships sustainably harvested Exotic Hardwood Rainscreen Siding. Since 1992, we've shipped hardwoods, siding and deck materials to homes and jobsites throughout the world. From our state-of-the-art mills, we manufacture a variety hardwood siding and decking, custom dimensioned hardwood lumber, domestic and exotic wood flooring, and custom moldings. In addition to our premium grade Ipe Decking and other sustainable wood decking options, we offer both Hardwood Siding and modular Deck Tiles. From New York City's Brooklyn Bridge, to Malibu, California and beyond, hardwood decking is proven to last for over 75 plus years even in the harshest of climates.  
The specification includes Rainscreen Siding, an all natural wood siding product that provides a more natural look when compared to vinyl or plastic siding options. On top of the great authentic look Advantage Rainscreen Siding offers it also is extremely durable as well as long-lasting qualities.  
Every board of eco-friendly Advantage Siding and Decking we ship is milled right here in the United States with state-of-the-art European machinery. Reach us directly by phone 1-877-232-3915, or email today to receive a free quote for your project

1. GENERAL
   1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Natural wood rainscreen siding.
  1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 05 40 00 - Cold-Formed Metal Framing.
    2. Section 06 10 00 - Rough Carpentry.
    3. Section 06 11 00 - Wood Framing.
    4. Section 07 60 00 - Flashing and Sheet Metal.
    5. Section 07 90 00 - Joint Protection.
  1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. FSC - Forest Stewardship Council Certification.
    2. US Green Building Council.
  1. DESIGN / PERFORMANCE REQUIREMENTS
     1. A FSC Chain of Custody certified company, we are FSC certified by the Rainforest Alliance
  2. SUBMITTALS
     1. Submit under provisions of Section 01 30 00.
     2. Product Data: Manufacturer's data sheets on each product to be used, including:
        1. Preparation instructions and recommendations.
        2. Storage and handling requirements and recommendations.
        3. Installation methods.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraphs if LEED is not applicable.

* + 1. LEED Submittals: Provide documentation of how the requirements of Credit will be met:
       1. Product Data for Credit MR 5.1 and Credit MR 5.2: Submit data, including location and distance from Project of material manufacturer and point of extraction, harvest, or recovery for main raw material.
          1. Include statement indicating cost for each regional material and the fraction by weight that is considered regional.
       2. Product Data for Credit MR 7: For products that have Certified Wood content.
          1. Include statement indicating costs for each product that have Certified Wood content.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraphs if FSD is not applicable.

* + 1. FSC Submittals: Provide documentation indicating manufacturer is FSC Chain-of-Custody certified.

\*\* NOTE TO SPECIFIER \*\* Delete selection samples if colors have already been selected.

* + 1. Selection Samples: For each finish product specified, two complete sets of color samples representing manufacturer's full range of available colors and finishes.
    2. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (152 mm) long, representing actual product, color, and finishes.
    3. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
    4. Closeout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic cleaning and maintenance of all components.
  1. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Manufacturer with not less than five years documented experience
     2. Installer Qualifications: Installer with not less than three years documented experience.
     3. Pre-Installation Meetings: Conduct pre-installation meetings to verify project requirements, substrate conditions, construction documents, details, and manufacturer's warranty requirements.

\*\* NOTE TO SPECIFIER \*\* Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
       1. Finish areas designated by Architect.
       2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
       3. Refinish mock-up area as required to produce acceptable work.
       4. Accepted mock-ups shall be comparison standard for remaining Work
  1. DELIVERY, STORAGE, AND HANDLING
     1. Store products in manufacturer's unopened packaging until ready for installation.
     2. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.
        1. Do not store siding under a tarp or in a garage or enclosed area. Keep wood shims between layers of boards to allow proper air flow.
        2. Allow hardwood siding to sit where it will be installed for 7 days prior to installation to get acclimated to your local temperature and humidity levels.
        3. Siding should be elevated at least 12 inches off the ground during acclimation.
        4. Place siding on top of blocks of wood to ensure the bottom boards are well ventilated.
        5. Do not cover siding material with plastic or a tarp during this acclimation period. Cover the top of the pile with a sheet of plywood to shed the water is recommended.
        6. Keep material dry until installation.
  2. PROJECT CONDITIONS
     1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Advantage Lumber, LLC , which is located at: 601 Ohio St.; Buffalo, NY 14203; Toll Free Tel: 877-232-3915 ; Tel: 716-827-3915 ; Fax: 716-827-3916; Email: [request info (jon@advantagelumber.com)](https://admin.arcat.com/users.pl?action=UserEmail&company=Advantage+Lumber,+LLC+&coid=45081&rep=&fax=716-827-3916&message=RE:%20Spec%20Question%20(07460adv):%20%20&mf=); Web: <http://www.advantagelumber.com>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
    2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00.
  1. DESCRIPTION
     1. Rainscreen Siding is custom fabricated of a selection of durable species of natural hardwood, fabricated with shiplap edges on all four sides and installed without exposed surface fasteners providing an effective rainscreen with a natural look.
  2. NATURAL WOOD RAINSCREEN SIDING
     1. Rainscreen Natural Wood Siding:

\*\* NOTE TO SPECIFIER \*\* Delete Species options not required.

* + - 1. Species: Ipe Siding (Brazilian Walnut). Ultra low-maintenance. Highest rating for insect termite and decay resistance.
         1. Appearance: Extremely dense, tight grained wood. Generally a deep rich brown with some pieces displaying red and amber hues.
         2. Hardness: 3680 lbs, 3 times Harder than Teak.
         3. Bending Strength: 25,400 psi.
         4. Proven Lifespan: 75 plus years.
         5. Size: 5/4x4. 0.93 x 2-5/8 inches (24 x 67 mm)
         6. Size: 5/4x6. 0.93 x 4-5/8 inches (24 x 118 mm)
         7. Lengths: Odd and Even Lengths from 6 to 20 ft ( mm).

\*\* NOTE TO SPECIFIER \*\* Specific lengths can be ordered in lieu of random lengths.

* + - * 1. Length: \_\_\_ft \_\_\_\_ inch (\_\_\_\_mm)
      1. Species: Cumaru Siding Specifications (Brazilian Teak). Extremely durable and naturally resistant to decay.
         1. Appearance: Color varies from a rich display of golden tan to reddish brown colors and dark grain accents throughout the wood.
         2. Hardness: 3540 lbs, 8 times Harder than Redwood
         3. Bending Strength: 24,800 psi
         4. Proven Lifespan: 50 plus years.
         5. Size: 5/4x4. 0.93 x 2-5/8 inches (24 x 67 mm)
         6. Size: 5/4x6. 0.93 x 4-5/8 inches (24 x 118 mm)
         7. Lengths: Odd and Even Lengths from 6 to 20 ft ( mm).

\*\* NOTE TO SPECIFIER \*\* Specific lengths can be ordered in lieu of random lengths.

* + - * 1. Length: \_\_\_ft \_\_\_\_ inch (\_\_\_\_mm)
      1. Species: Tigerwood Siding Specifications (Brazilian Koa). Low maintenance and naturally durable.
         1. Appearance: Light golden brown to reddish brown with irregular black and brown streaks.
         2. Hardness: 1850 lbs, 2 times Harder than Cedar
         3. Bending Strength: 19,285 psi
         4. Proven Lifespan: 30 plus years.
         5. Size: 5/4x4. 0.93 x 2-5/8 inches (24 x 67 mm)
         6. Size: 5/4x6. 0.93 x 4-5/8 inches (24 x 118 mm)
         7. Lengths: Odd and Even Lengths from 6 to 20 ft ( mm).

\*\* NOTE TO SPECIFIER \*\* Specific lengths can be ordered in lieu of random lengths.

* + - * 1. Length: \_\_\_ft \_\_\_\_ inch (\_\_\_\_mm)
      1. Species: Garapa Siding Specifications (Brazilian Ash). Durable and naturally resistant to rot, decay, and splinters without any chemical treatments.
         1. Appearance: A fine-grained timber that is a light yellow to a warm golden hue.
         2. Hardness: 1210 lbs, 3 times Harder than Redwood
         3. Bending Strength: 12,900 psi
         4. Proven Lifespan: 30 plus years.
         5. Size: 5/4x4. 0.93 x 2-5/8 inches (24 x 67 mm)
         6. Size: 5/4x6. 0.93 x 4-5/8 inches (24 x 118 mm)
         7. Lengths: Odd and Even Lengths from 6 to 20 ft ( mm).

\*\* NOTE TO SPECIFIER \*\* Specific lengths can be ordered in lieu of random lengths.

* + - * 1. Length: \_\_\_ft \_\_\_\_ inch (\_\_\_\_mm)
  1. ACCESSORIES

\*\* NOTE TO SPECIFIER \*\* Delete accessories not required.

* + 1. Fasteners: Deckwise No. 8 by 2 inch stainless steel.
    2. Starter Clips: Deckwise Stainless steel starter clips.
    3. Siding Fasteners: Deckwise Stainless steel fastener clips.
    4. Plywood Wall Sheathing as specified in Section 06 64 00 - Plastic Paneling.
    5. House Wrap: Code compliant weather resistive barrier.
    6. Siding Furring Strips: 1 by 4 in pressure treated wood furring.
    7. Corner Trim Furring: 5/4 by 4 in pressure treated wood furring.
    8. Rainscreen Corner Trim:

\*\* NOTE TO SPECIFIER \*\* Delete Species options not required.

* + - 1. Species: Ipe Siding (Brazilian Walnut): 1 by 6. 1x6. 3/4 x 5-1/2 inch (19 x 140 mm).
      2. Species: Cumaru Siding Specifications (Brazilian Teak): 1 by 6 Cumaru. 1x6. 3/4 x 5-1/2 inch (19 x 140 mm).
      3. Species: Tigerwood Siding Specifications (Brazilian Koa): 1 by 6 Tigerwood. 1x6. 3/4 x 5-1/2 inch (19 x 140 mm).
      4. Species: Garapa Siding Specifications (Brazilian Ash): 1 by 6 Garapa. 1x6. 3/4 x 5-1/2 inch (19 x 140 mm).

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until substrates have been properly prepared.
      2. Confirm that all critical dimensions are as specified on the Drawings
      3. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installation.
      2. Repair substrate flaws or defects before applying siding
      3. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
   3. INSTALLATION
      1. Install in accordance with manufacturer's instructions.
      2. Prepare structural backing with studs, backer board, weather barrier and furring as required to meet the performance requirements specified. Install plywood sheathing over a properly prepared support system in accordance with the manufacturer's installation instructions and approved shop drawings.
      3. Install weather barrier over prepared substrate in accordance with the manufacturers requirements.
      4. Securely attach siding using methods and materials recommended by siding manufacturer.
      5. Install siding and accessories with all joint members plumb and true.
   4. CLEANING
      1. Upon completion of siding application, clean entire area, removing all scrap, packaging, and unused materials related to this work.
   5. PROTECTION
      1. Protect installed products until completion of project.
      2. Inspect walls for any damage. Replace panels that are damaged.
      3. Touch-up, repair or replace damaged products before Substantial Completion.

\*\* NOTE TO SPECIFIER \*\* Retain Article below if required to suit project requirements. Identify products by name on the Drawings or use this paragraph to define the location of each type of material to be used. The following are some examples of schedule references. Edit as required to suit project or delete and identify products on the Drawings.

* 1. SCHEDULES
     1. :
     2. :

END OF SECTION