KNOTTY BARNSIDE PANEL

GENERAL

• At the time of manufacture, siding meets or exceeds the performance standards set forth in Composite Panel Association ANSI 135.6-2006 and has achieved code recognition under Legacy National Evaluation Report NER-626 and CCMC-12353L. For copies of these reports, call LP Customer Support at 1-800-577-4836.

• Minimum 6 in. clearance must be maintained between siding and finish grade.

• Siding applied adjacent to porches, patios, walks, etc. must have a clearance of at least 1 in. above any surface.

• Minimum 1" clearance at intersection with roof line

• Apply siding in a manner that prevents moisture intrusion and water buildup.

• All exposed wood substrate must be sealed in a manner that prevents moisture intrusion and water buildup.

• When using wet blown cellulose insulation, adequate drying time must be allowed prior to enclosing the wall cavity

• In non-traditional ICF and SIP assemblies, the ICF or SIP manufacturer must prescribe the fastening specifications. Note: LP does not recommend LP Knotty Barnside Panel for use in these non-traditional assemblies.

• DO NOT USE STAPLES

STORAGE

• Store off the ground well supported, on a flat surface, under a roof or separate waterproof covering

• Keep siding clean and dry. Inspect prior to application.

• Allow siding to adjust to atmospheric conditions before application.

STUD SPACING

• Knotty Barnside Panel siding may be applied over sheathed walls or, where building codes permit, directly to studs spaced no greater than 16 in. O.C. that have adequate corner bracing.

• In all installations over masonry walls, the wall must be furred out and open at top and bottom to allow for convective ventilation with framing spaced 16 in. O.C. and with adequate thickness to accept 1-1/2 inch nail penetration.

MOISTURE

• Moisture control and moisture vapor control are critical elements of proper housing design. Check your local building codes for application procedures for handling moisture and moisture vapor in your area.

• As with all wood products, do not apply engineered wood siding to a structure having excessive moisture conditions such as drying concrete or plaster. If such conditions exist, the building should be well ventilated to allow it to dry prior to the application of the siding.

• Siding must not be applied to green or crooked structural framing members. Do not apply siding over rain-soaked or buckled sheathing materials.

• Gutters are recommended for control of roof water run off.

SECONDARY WEATHER RESISTANT BARRIER

• A properly installed breathable water-resistive barrier is required behind the siding.

• Consult your local building code for details.

• LP will assume no responsibility for water penetration.

GAPS & SEALANTS

• Seal all gaps with a high-quality, non-hardening, paintable sealant with a minimum stated service life of 30 years. Follow the sealant manufacturer’s instructions for application.

FLASHING, WINDOWS, DOORS & OPENINGS

• All openings must be properly sealed or flashed in a manner that prevents moisture intrusion or buildup. Several examples that accomplish this are shown on the following pages.

KICK-OUT FLASHING

• Install kick-out flashing to direct the water into the gutter

• Install step flashing with minimum 4-inch upper leg

• Properly integrate flashing with the secondary water-resistant barrier. Use housewrap, flashing tape, z-flashing, or other items as needed to maintain the counterflashing principle.

• DO NOT extend the siding or trim into the kick-out flashing or gutter

• Maintain a clearance between the end of the gutter and the adjoining wall to allow for proper maintenance of the siding

• Paint ALL exposed cut edges
**Application instructions (cont.)**

h) **DOUBLE NAILING AT VERTICAL JOINTS IS REQUIRED.** (See drawing)

i) Space nails 6 in. O.C. on all siding edges and 12 in. O.C. at intermediate framing members. Nails spaced 6 in. O.C. on underlap flange will be covered by overlap flange. Nails spaced 6 in. O.C. on overlap flange should be 1" in from edge of panel.

j) For Additional Racking Strength, to meet FHA Technical Circular 12 as sheathing siding, where local codes permit, nails must be spaced 4 in. O.C. on all panel edge and 8 in. O.C. at intermediate framing studs. Nail penetration must be a minimum of 1-1/2 in. into all framing members.

**Insulated Sheathings**

LP SmartSide Siding may be installed over low-compression rigid foam or fiberglass sheathings. The following precautions must be followed:

a) Adequate bracing of the wall in accordance with the International Codes or other ruling building code is required.

b) For rigid foam sheathing up to 1" (25.4 mm) thick, siding may be nailed directly to the foam sheathing unless a drainage plane is required by the local building code. Nail length must be increased to ensure a minimum 1-1/2" (38.1 mm) fastener penetration into the structural framing.

c) For rigid foam sheathing greater than 1" (25.4 mm), a minimum 1-1/2" (38.1 mm) thick by 4" (101.6 mm) wide vertical strapping or furring strip must be installed over the sheathing to provide a solid, level nailing base for the siding. The strapping must be securely fastened to structural framing spaced no greater than 16" OC (406 mm) with a minimum nail penetration of 1-1/2 inches (38.1 mm) and a maximum nail spacing no greater than the width of the siding.

Louisiana-Pacific will assume no responsibility for any damage or condition arising from the use of foam sheathing.

The Louisiana-Pacific Corporation (“LP”) Knotty Barnside Panel (the “Product”) limited warranty (the “Warranty”) applies only to structures on which the Product has been applied, finished and maintained in accordance with the published application, finishing and maintenance instructions in effect at the time of application. The failure to follow such application, finishing or maintenance instructions will void the Warranty as to the portion of the Product affected by the variance (the “Affected Product”).

LP assumes no liability for any loss or damage sustained by the Affected Products and is expressly released by the purchaser or owner from any such loss or liability.

Any modification of the Warranty’s application, finishing or maintenance requirements is void and unenforceable unless approved in writing prior to application by the Siding General Manager or his designee and a member of the LP Legal Department.

For a copy of the warranty or for installation and technical support, visit the LP Knotty Barnside Panel Siding product support Web site at:

[www.lpcorp.com](http://www.lpcorp.com)

or for additional support call 800.450.6106.

**WARRANTY REMEDIES ARE NOT AVAILABLE IF REQUIREMENTS ARE NOT FOLLOWED.**

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**Cal. Prop 65 Warning:** Use of this product may result in exposure to wood dust, known to the State of California to cause cancer.
Shiplap Panel Siding

- Over opennings:
  - Flash, gap 3/8 in. to ensure complete paint coverage of the drip edge.

- Alternate panel stacking details:
  - Flash, gap 3/8 in. to ensure complete paint coverage of the drip edge.

- Outside corner details:
  - Gap 3/16 in. and seal.
**roof flashing detail**

- 4 in. min. flashing
- 1 in. min. clearance from roofing

**alternate inside corner details**

- Min. 3/16 in. space at joint
- Paint bottom edges

**Figure 2A**

- Trim
  - gap 3/16 in.

**Figure 2B**

- Paint bottom edges
  - gap 3/16 in.

**Figure 2C**

- Min. 3/16 in.
- Space at joint

**Figure 2**

- Vapor retarder
  - if required by code
- Breathable weather resistant barrier

**Figure 2D**

- 12 in.
- 6 in.

**Figure 2E**

- Shiplap Edge Panel

**Figure 2F**

- Bottom course detail

**Panel joint**

**Ground clearance**

6 in. minimum