



SMARTSIDE®
TRIM & SIDING

GENERAL

- At the time of manufacture, siding meets or exceeds the performance standards set forth in Composite Panel Association ANSI 135.6 and has achieved code recognition under Legacy National Evaluation Report NER-626 and CCMC 12353. For copies of these reports, call LP Customer Support at 1-800-648-6893.
- 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.
- In non-traditional ICF and SIP assemblies, the ICF or SIP manufacturer must prescribe the fastening specifications. Note: LP does not recommend LP SmartSide for use in these non-traditional assemblies. If used, LP will not warrant for Buckling and Shrinkage. However, balance of warranty does remain intact.
- DO NOT USE STAPLES
- SIDING MUST NOT BE IN DIRECT CONTACT WITH MASONRY, CONCRETE, BRICK, STONE, STUCCO OR MORTAR.
- FOUNDATIONS and ARCHITECTURAL SERIES PANEL SIDING should not be USED IN PREFABRICATED OR MANUFACTURED HOUSING.

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.

STUD SPACING

- Foundations 76 Series soffit may be installed as panel siding ONLY if the LP Product Description includes "Foundations Soffit". Please verify any soffit product selection for use as a siding with your local supplier before purchase or installation. Do not exceed 16 in. O.C. framing spans and fasten with maximum 6 in. perimeter spacing and 12 in. spacing in the field of the panel. Apply the panel per the complete specifications of this document.
- A minimum 3/16 in. gap is required at all vertical joints of square edged panel siding.
- If square edged panel siding is installed with battens over vertical seams, caulking is NOT required at vertical seams. If square edged panel siding is installed without battens, the vertical joint must be caulked with a minimum ASTM C920 Class 25 sealant.
- 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.

FOUNDATIONS 76 & 120 SERIES PRIMED PANEL SIDING ARCHITECTURAL COLLECTION REVERSE BOARD & BATTEN AND STUCCO PANEL SIDING

- In all installations over masonry or concrete walls, the wall shall be furred out and open at the top and bottom of the wall to allow for convective ventilation between framing spaced 16 in. O.C. The framing shall be of adequate thickness to accept 1-1/2 inches of nail penetration. A properly installed breathable water-resistant barrier is required between the siding and masonry or concrete walls.
- Foundations 76 Series and Architectural Collection 76 series reverse board & batten and stucco panel siding is not warranted against buckling in Alaska, Hawaii, Northern California or west of the Cascades in Washington, Oregon and California.

MOISTURE

- Moisture control and water vapor control are critical elements of proper housing design. Check your local building codes for application procedures for handling moisture and water vapor in your area.
- When using wet blown cellulose insulation, the insulation must not be in direct contact with the siding and it must be allowed to dry a minimum of 24 hours or longer if specified by the insulation manufacturer.
- As with all wood products, do not apply engineered wood siding to a structure having excessive moisture conditions such as drying concrete, plaster or wet blown cellulose insulation. 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 WATER -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

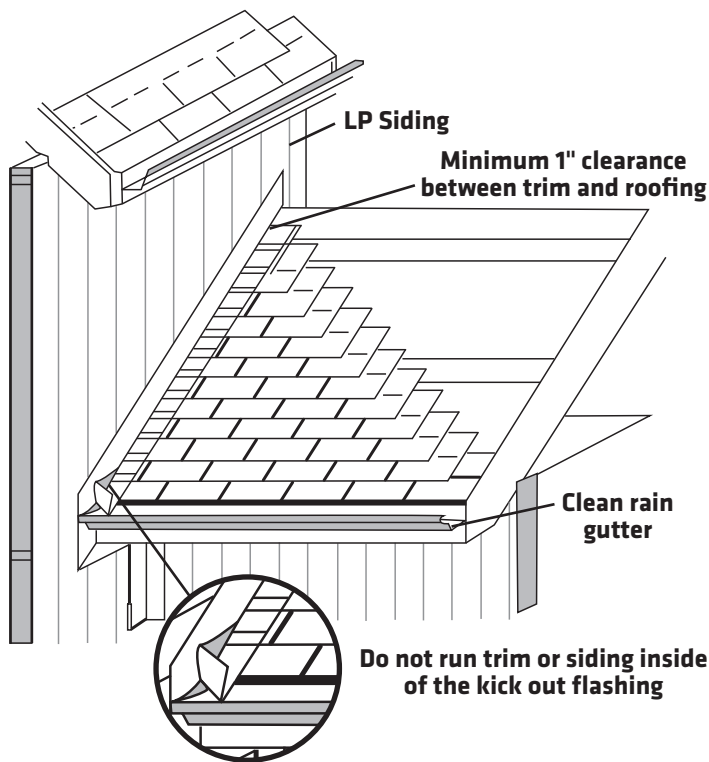
- Seal all gaps with a high-quality, non-hardening, paintable sealant. Follow the sealant manufacturer's instructions for application.
- Use a high-quality exterior sealant meeting the ASTM C920, minimum Class 25 sealant.

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 in. upper leg
- Properly integrate flashing with the secondary water-resistive 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
- Prime and paint ALL exposed cut edges



TRIM

Trim should be thick enough so the siding does not extend beyond the face of the trim.

- Trim and fascia must be applied in a manner that will not allow moisture intrusion or water buildup.
- LP® SmartSide® siding is not designed and/or manufactured to be used as trim or fascia. LP SmartSide trim and fascia are available in a variety of dimensions.

FINISHING INSTRUCTIONS

DO

- **Prime and paint all exposed surfaces including all drip edges or where water will hang.**
- Apply finish coat as soon as possible or within 180 days of application.
- High-quality acrylic latex paint, specially formulated for use on wood and engineered wood substrates, is highly recommended. Semi-gloss or satin finish oil or alkyd paints are acceptable. For flat alkyd paint, please check with the coating manufacturer for their recommendations for use on composite wood siding.
- Follow the coating manufacturer's application and maintenance instructions.

DO NOT USE

- Semi-transparent and transparent stains.
- Shake and shingle paints.
- Vinyl-based resin formulas such as vinyl acetate, PVA, vinyl acetate/acrylic copolymer paints.

HANDLE PREFINISHED LP SMARTSIDE PRODUCTS WITH EXTREME CARE DURING STORAGE AND APPLICATION. TOUCH UP ANY DAMAGE TO THE FINISH THAT MAY OCCUR DURING APPLICATION PER PREFINISHERS SPECIFICATIONS.

NAILING INSTRUCTIONS

- Apply siding over framing with a maximum stud spacing of 16 in. O.C.
- All siding must be installed over framing members no less than 2 in. x 4 in.
- Shiplap edges must fall on studs. Position underlap shiplap flange at center of stud.
- Horizontal joints must be supported by framing. Leave a 3/8 in. gap and flash joints with a noncorrosive "Z" flashing.
- Where panels butt against window and door trim and at inside and outside corners, leave a 3/16 in. gap and caulk.
- Penetrate structural framing or wood structural panels and structural framing a minimum of 1-1/2 in. For best performance use 0.113 in. diameter hot-dipped galvanized nails with a minimum 0.270 in. diameter head.

CONDITION

Snug



Flush



Visible fiber



Countersunk 1/16-1/8 in.



Countersunk more than 1/8 in.



CORRECTION

OK



OK



Paint



Apply sealant



Apply sealant and re-nail



NAILING INSTRUCTIONS (CONT.)

- DOUBLE NAILING AT VERTICAL JOINTS IS REQUIRED.
(See Figure 2E)
- 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. in from edge of panel.
- Climb cut the surface of the siding such that the rotation of the blade cuts downward on the primed or prefinished surface.
- Where siding butts window trim, door casings and masonry, etc. leave a 3/16 in. gap and seal.
- For information on fastening LP SmartSide products in high wind speed areas, refer to ICC-ES Report ESR-1301 or APA Product Report PR-N124.

Insulated Sheathings

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

- Adequate bracing of the wall in accordance with the International Codes or other ruling building code is required.
- For rigid foam sheathing up to 1 in. (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 in. (38.1 mm) fastener penetration into the structural framing.
- For rigid foam sheathing greater than 1 in. (25.4 mm), a minimum 1-1/2 in. (38.1 mm) thick by 3-1/2 in. (88.9 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 in. O.C. (406 mm) with a minimum nail penetration of 1-1/2 in. (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 rigid foam or exterior gypsum.

LP panel sidings are accepted by the State of California as category 8140- Exterior wall siding and sheathing for Wildland Urban Interface (WUI) applications. For WUI compliance, install LP panel sidings in accordance with Louisiana-Pacific's printed installation instructions with the addition of fire retardant seal (UL Listed fire caulk, nominal 1/4" bead) in the vertical joint and nailing pattern of 3" OC perimeter nailing/8" OC field nailing. Look for the California State Fire Marshal Office label on our siding.

The Louisiana-Pacific Corporation ("LP") LP SmartSide Siding (the "Products") limited warranty (the "Warranty") applies only to structures on which the Products have 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 Products affected by the variance (the "Affected Products").

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 SmartSide product support Web site at:

www.lpsmartside.com

or for additional support call 800-450-6106.

WARRANTY REMEDIES ARE NOT AVAILABLE IF REQUIREMENTS ARE NOT FOLLOWED.

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



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NOTE: Louisiana-Pacific Corporation periodically updates and revises its product information. To verify that this version is current, call 800-450-6106.

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over openings

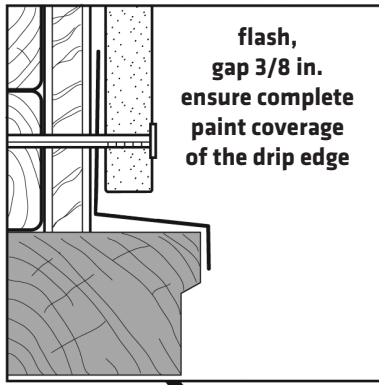


Figure 1A

alternate panel stacking details

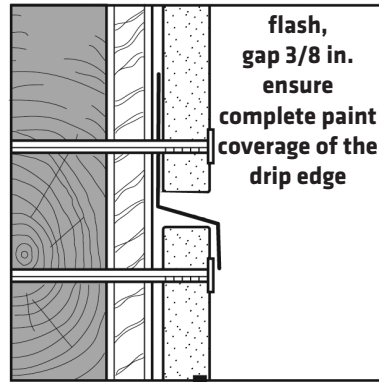


Figure 1B

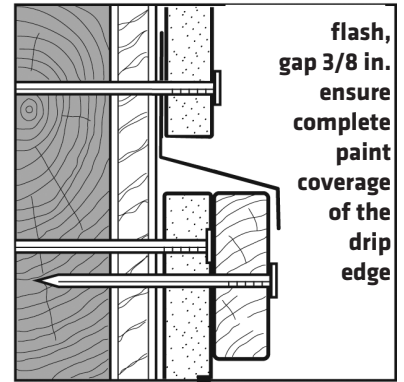


Figure 1C

Figure 1

Shiplap
Panel Siding

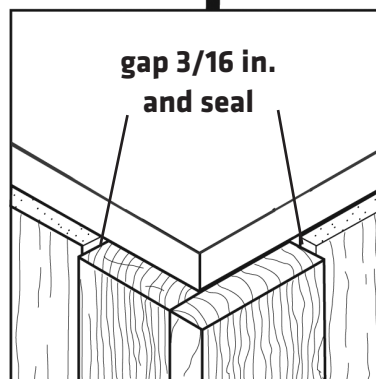
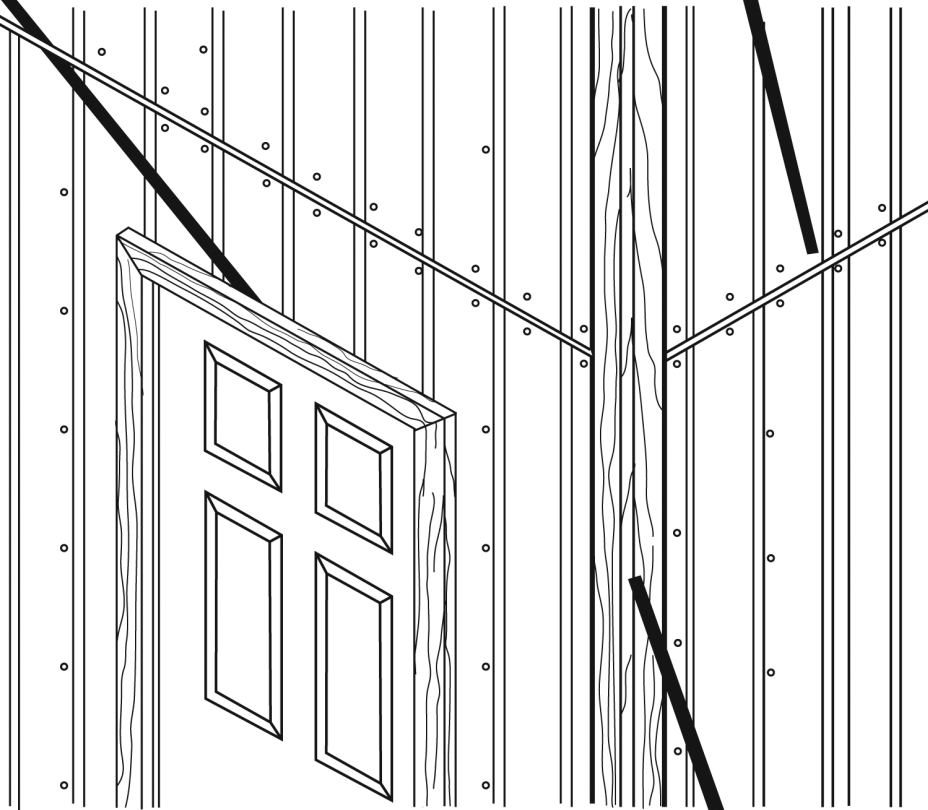


Figure 1E

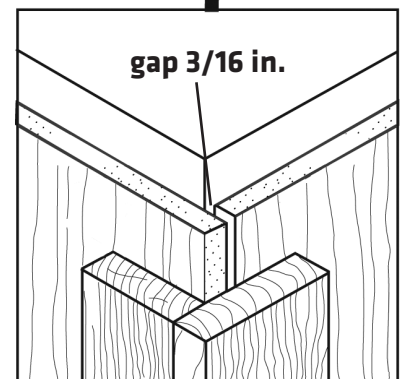


Figure 1D

outside corner details

Roof Flashing Detail

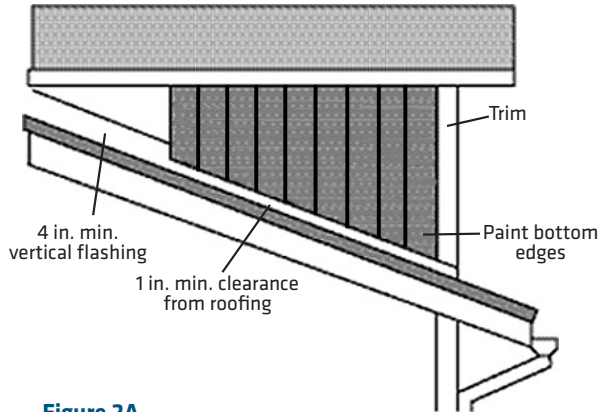


Figure 2A

alternate inside corner details

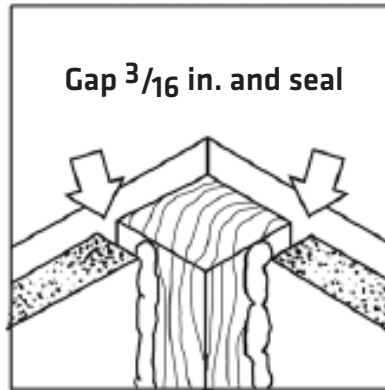


Figure 2B

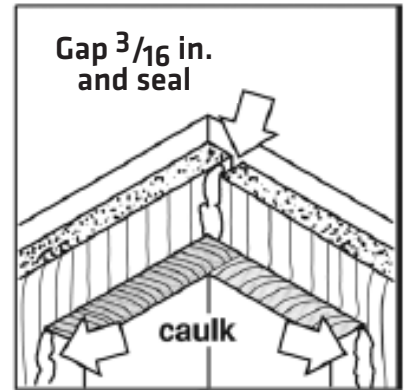


Figure 2C

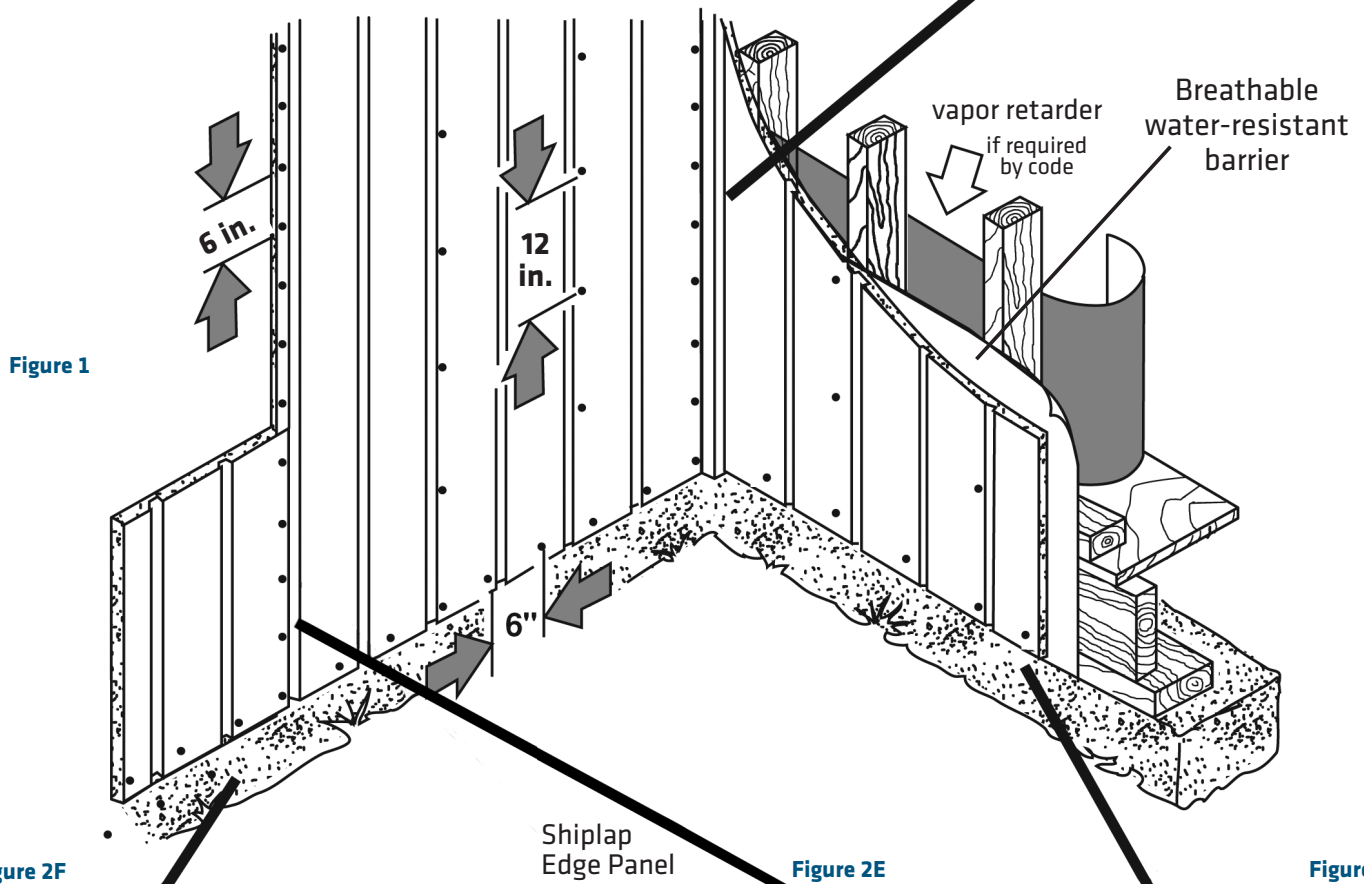
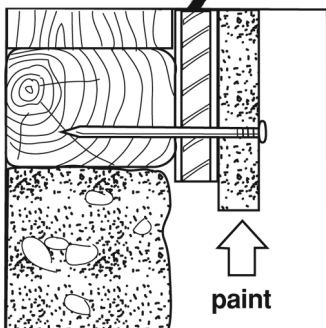


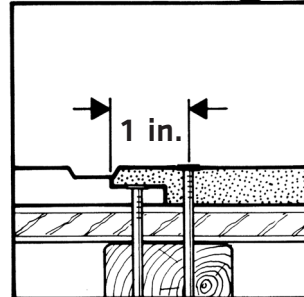
Figure 1

Figure 2F



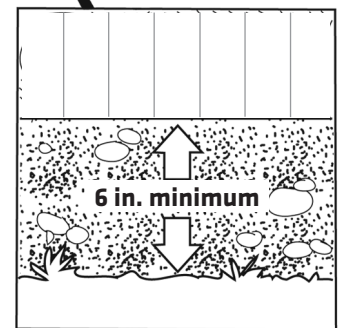
Bottom Course Detail

Figure 2E



Panel Joint

Figure 2D



Ground Clearance