

Technical Note No. 010

Sheathing Only Fastening – LP® SmartSide® Lap and Panel Siding over Fully Sheathed Wall Framing or SIP Wall Assembly

This Technical Note is an addendum to the respective LP® SmartSide® Lap and Panel Siding Application Instructions (“Instructions”). It is intended to provide an alternative fastening option for LP SmartSide siding over fully sheathed wall framing or SIP wall assembly. The Instructions remain effective except as may be modified by this Note. Refer to the respective application instructions for all other aspects of product installation.

Alternative Fastening Option over Fully Sheathed Wall Framing or SIP Wall Assembly:

- Wood Structural Panels (WSP) must be a minimum 7/16 Category with an APA Trademark that contains the consensus standard DOC PS 1 or PS 2.
- Panel siding installed over WSP, rely on WSP for lateral capacity.
- Wall flatness will be controlled by stud straightness and wall sheathing installation.
- Limited to wind speeds areas not to exceed 90 mph (V_{asd}) or 115 mph (V_{ult}) Exposure C
 - V_{asd} = ASCE 7-05 (2000 IRC, 2003 IRC, 2006 IRC, 2009 IRC, 2012 IRC)(2000 IBC, 2003 IBC, 2006 IBC, 2009 IBC)
 - V_{ult} = ASCE 7-10/ASCE 7-16 (2015 IRC, 2018 IRC)(2012 IBC, 2015 IBC, 2018 IBC)
- Minimum Fastener Type:
 - Corrosion Resistant – Hot Dipped Galvanized or equal nail (ASTM A153)¹
 - Ring Shank²
 - Shank diameter = 0.092 inch
 - Length = fastener shall fully penetrate nailable sheathing by at least 1/4 inch
- Maximum Fastener Spacing:
 - Lap Siding – Strand Substrate (all widths), Fiber Substrate (up to 8 inch wide)
 - Attach a maximum of 12 inches o.c. **blind** nailed
 - Lap Siding – Fiber Substrate (over 8 inches wide)
 - Attach a maximum of 12 inches o.c. **face** nailed with nail placement as shown in the published application instructions
 - Panel Siding – Strand Substrate and Fiber Substrate
 - 4 inches o.c. perimeter attachment and 8 inch o.c. field attachment, two lines vertical at 16 inches o.c. regardless of wall framing spacing
(See Figure 1)

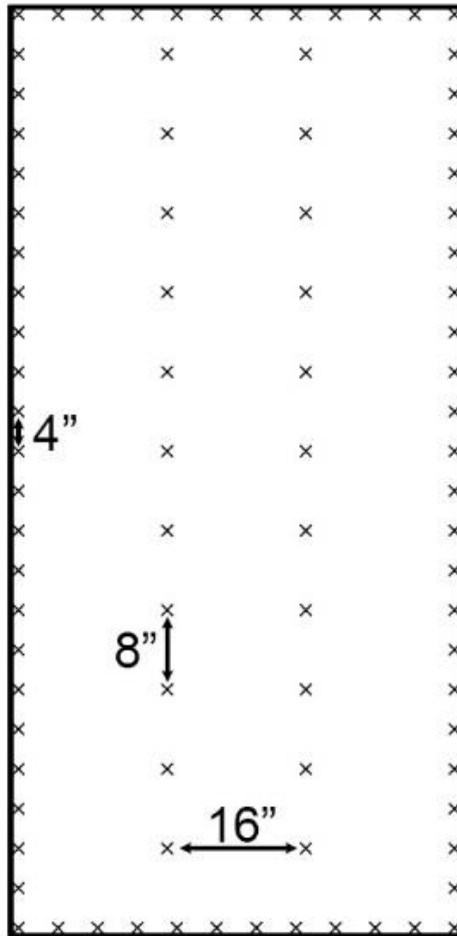


Figure 1

Footnotes:

¹ Corrosion resistance must be warranted and capable of preventing rust, stain and deterioration of the fasteners under normal outdoor environmental conditions for a period of no less than 50 years. For further information or guidance, consult your nail supplier/manufacturer.

² Ring shank nails shall be capable of the performance specified in Table 1A- Ring-Shank Nail Withdrawal Loads of APA publication TT-109, *Wood Structural Panels Used as Nailable Sheathing* when tested in accordance with ASTM D 1761, *Standard Test Method for Mechanical Fasteners in Wood*. For further information or guidance, consult your nail supplier/manufacturer.