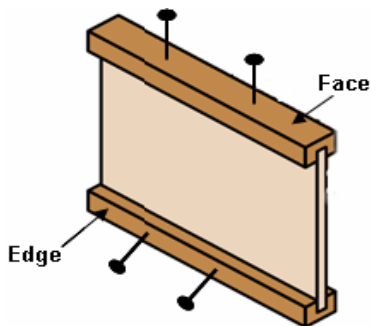
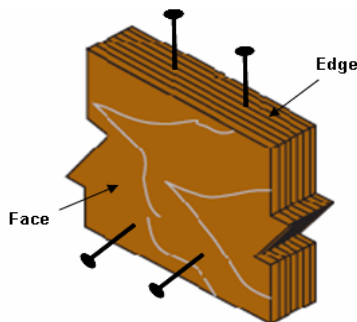


LP I-Joists and LP LVL: Nail Spacing and A35 Replacement Schedule



LP I-Joist Nail Spacing

Flange Thickness (in.)	Fastener Orientation	Fastener ²	Closest End Distance (in.)	Closest Spacing (in.)
1 ½	Edge	8d & smaller	6	6
		10d & 12d	6	6
		16d	DO NOT USE	DO NOT USE
	Face	8d & smaller	2	3
		10d & 12d	3	3
		16d	4	5



LP LVL Nail Spacing

LVL Thickness (in.)	Fastener Orientation	Fastener ²	Closest End Distance (in.)	Closest Spacing (in.)
< 1 ½	Edge	8d & smaller	2 ½	4
		10d & 12d	2 ½	4
		16d	3 ½	5
	Face ¹⁰	8d & smaller	1 ½	3
		10d & 12d	1 ½	3
		16d	1 ½	5
≥ 1 ½	Edge	8d & smaller	2 ½	3
		10d & 12d	2 ½	4
		16d	3 ½	5
	Face ¹⁰	8d & smaller	1 ½	3
		10d & 12d	1 ½	3
		16d	1 ½	5

NOTES:

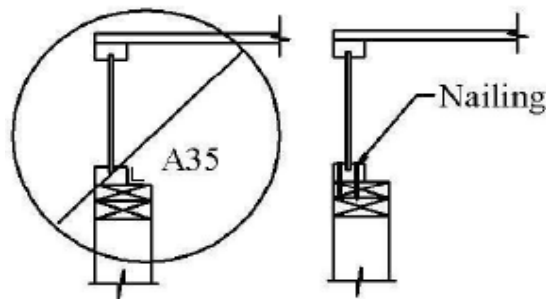
1. Fastener sizes and closest spacing not specifically described below are beyond the scope of this document.
2. Fasteners are common wire on box nails.
3. 16d sinkers (3 ¼" x 0.148") may be spaced the same as a 12d common wire nail.
4. Edge distance shall be sufficient to prevent splitting.
5. Nail penetration for edge nailing shall not exceed 2 inches for 16d nails and 2 ½ inches for 10d and 12d nails.
6. For multiple rows of nails, the rows must be offset 1/2 inch or more from each other, and staggered.
Rows must be equally spaced from the centerline of the product edge or face (whichever applies).
7. DO NOT use the A35 framing angle (manufactured by Simpson® Strong-Tie) or similar connectors with LP I-Joists.
The following Shear Connector Replacement Schedule provides nailing patterns equivalent to the A35.

Shear Connector Replacement Schedule

A35 Spacing (in.)	Equivalent 16d Sinker Spacing (in.)
48	12
32	8
24	6
16	4
12	3 (Staggered) ⁴

NOTES:

1. Direct nail four 16d sinkers through bottom flange into bearing plate for every A35 being replaced.
2. Closest nail spacing per flange side: 4".
3. A35 spacing based on allowable load of 450 lbs per connector (see Simpson Strong-Tie catalog).
4. Nails to be installed alternately on each side of the web.



Contact your LP Engineered Wood Products distributor or call 888.820.0325 or e-mail customer.support@lpcorp.com for technical assistance.

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LP I-Joists & LVL