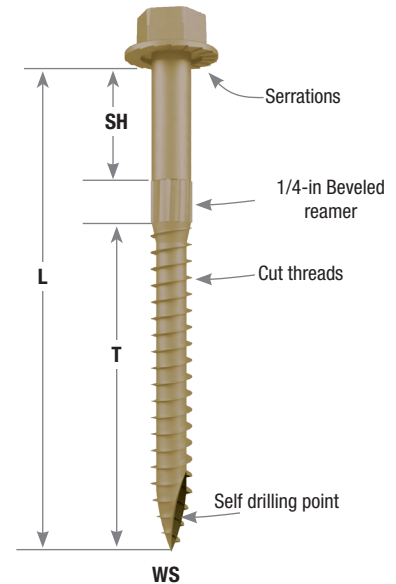




# Joining 2, 3, or 4 Ply LVL, LSL or PSL Members

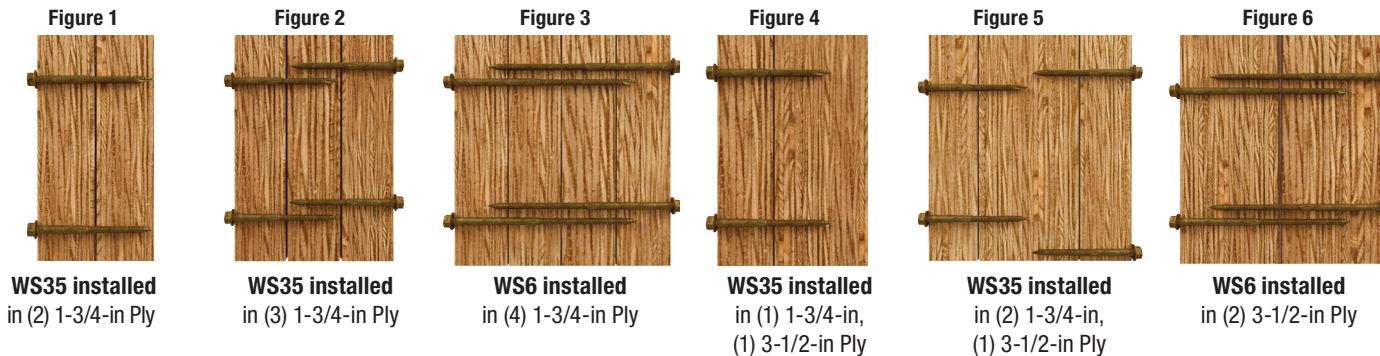
**Installation Notes:**

- For 2 ply members, wood screws shall be installed with the screw heads in the loaded ply.
- For 3 or 4 ply members, wood screws shall be installed in both outer plies.
- Designer shall specify all wood screws locations.
- Increase edge and end distances if wood splitting occurs.
- Stagger all screws installed into the opposite face.
- A minimum of 2 rows of screws shall be used for all members with H = 5-1/2-inches and larger.

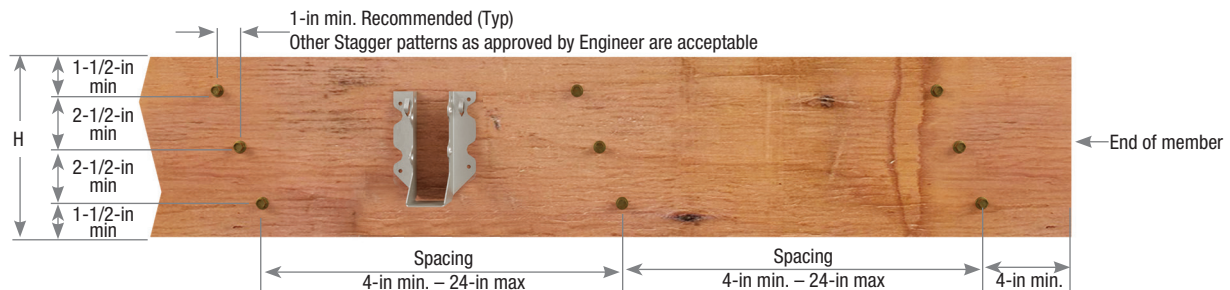


Size (in)	MiTek Stock No.	Dimensions (in)			Multiple Members Installation Figure <sup>2,8</sup>	DF/SP Maximum Allowable Uniform Loads that can be applied to either outside member (Lbs. Per Lineal Ft.) <sup>1,3,4,5,6</sup>					
		L	SH	T		12" O.C.		18" O.C.		24" O.C.	
						2 Rows	3 Rows	2 Rows	3 Rows	2 Rows	3 Rows
1/4 x 3-1/2	WS35	3-1/2	3/4	2-1/2	1	970	1460	650	970	485	730
					2	730	1095	485	730	365	545
					4	730	1095	485	730	365	545
					5	650	970	430	650	325	485
1/4 x 6	WS6 <sup>7</sup>	6	1-3/4	4	3	650	970	430	650	325	485
					6	1940	2920	1300	1940	970	1460

- 1) Based on Zscrew = 243 pounds in Douglas Fir-Larch with a side member thickness of not less than 1-3/4".
- 2) Load values depicted assume all uniform load is applied to the most narrow outside ply only.
- 3) Except for Figure 6 installation, load values neglect any contribution of screws installed to opposite side, even if they extend significantly into the loaded ply.
- 4) Loads are for normal (100%) duration of load, and may be increased in accordance with the code.
- 5) Uniform loads in table represent the capacity of the fasteners. The capacity of the LVL or PSL beam may be less and should be checked by a qualified designer or with the manufacturer's literature.
- 6) A qualified designer shall ensure the adequacy of a 7" wide beam to resist the applied load on one edge; otherwise, the loads shall be uniformly distributed across the width or applied equally on both sides.
- 7) Wood screws longer than 3-1/2" are not recommended for use with Parallam® PSL or TimberStrand® LSL.
- 8) For Figures 2, 3, 5, and 6: Stagger the screws on opposite face by half minimum spacing requirements.



**Recommended Row Guidelines**



**Customer Service & Technical Assistance**

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