

Trus Joist Multiple Ply Beam Connection Requirements for Hangers

Use the following table to verify proper fastener quantity for side loaded 1¾" and 3½" multiple ply beam applications. The structural adequacy of the beams is beyond the scope of this document and must be evaluated independently. Refer to Figure 1 below, for proper fastener spacing.

TABLE 1: REQUIRED FASTENERS FOR PARALLAM® PSL, MICROLLAM® LVL, & TIMBERSTRAND® LSL^{[1][2][3][4]}

Fastener Type	Placement	Simpson Strong-Tie® Hanger	Assembly A	Assembly B	Assembly E	Assembly F
Screw Length▶			3½", 2-ply	5"	6¾"	7", 4-ply
Simpson Strong-Tie® SDW22	One Face	SUR/L	4	6	4	8
		U	4	6	4	6
		HU	6	10	6	10
		HUC	6	10	6	10
		MIU	6	10	6	12
		HHUS	8	14	8	16
HGUS	18	32	18	36		
Screw Length▶			3½"	3½"	6"	6"
Simpson Strong-Tie® SDS	Per Face, As Shown	SUR/L	4	6	2	6
		U	4	6	2	6
		HU	6	8	4	8
		HUC	6	8	4	8
		MIU	6	8	4	8
		HHUS	10	12	6	12
HGUS	22	-	12	-		

- [1] Fastener quantity shown is for loads from hanger only. For other connections, refer to [TJ-9000](#).
- [2] Table assumes maximum load for any load duration.
- [3] **Bold italic** loads indicate assemblies that require fastener placement on both faces. For screws required on both faces, refer to screw manufacturer's guidelines for minimum spacing requirements.
- [4] Not applicable for Parallam PSL® Plus applications.

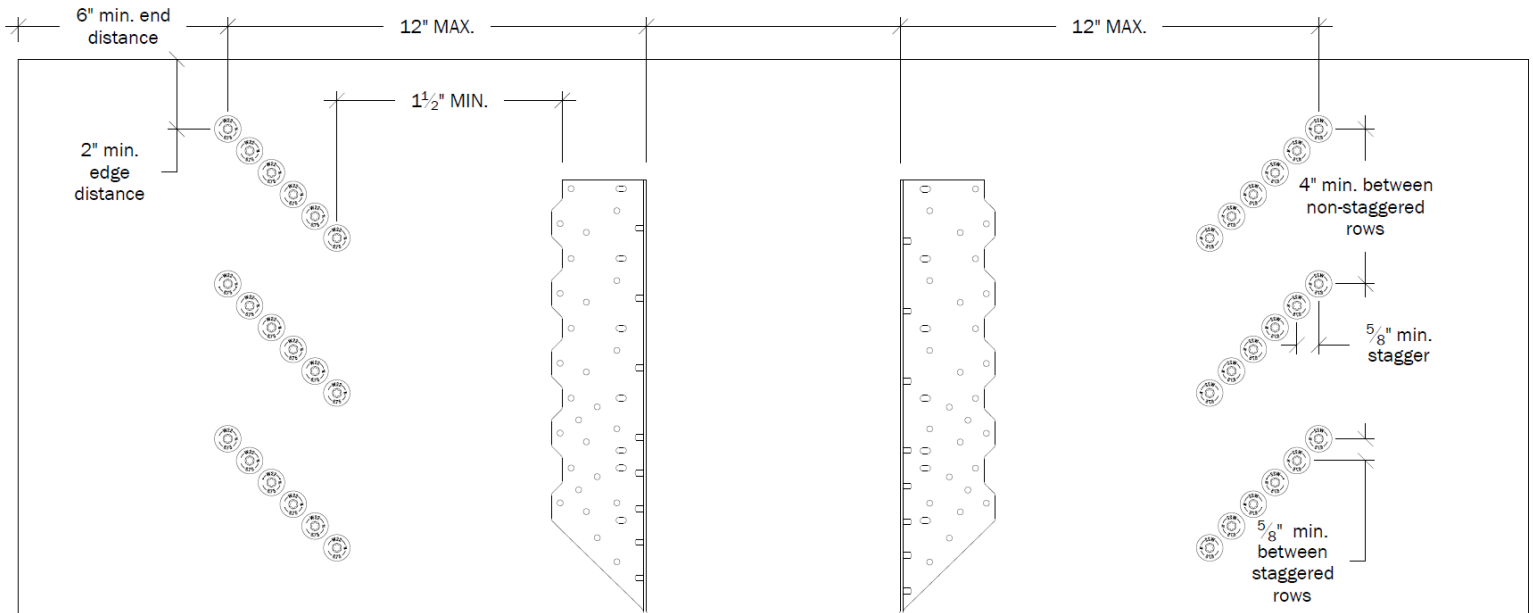


Figure 1: Fastener Spacing