



Connecting Multiple-Ply 1 3/4" V with FastenMaster TrussLok

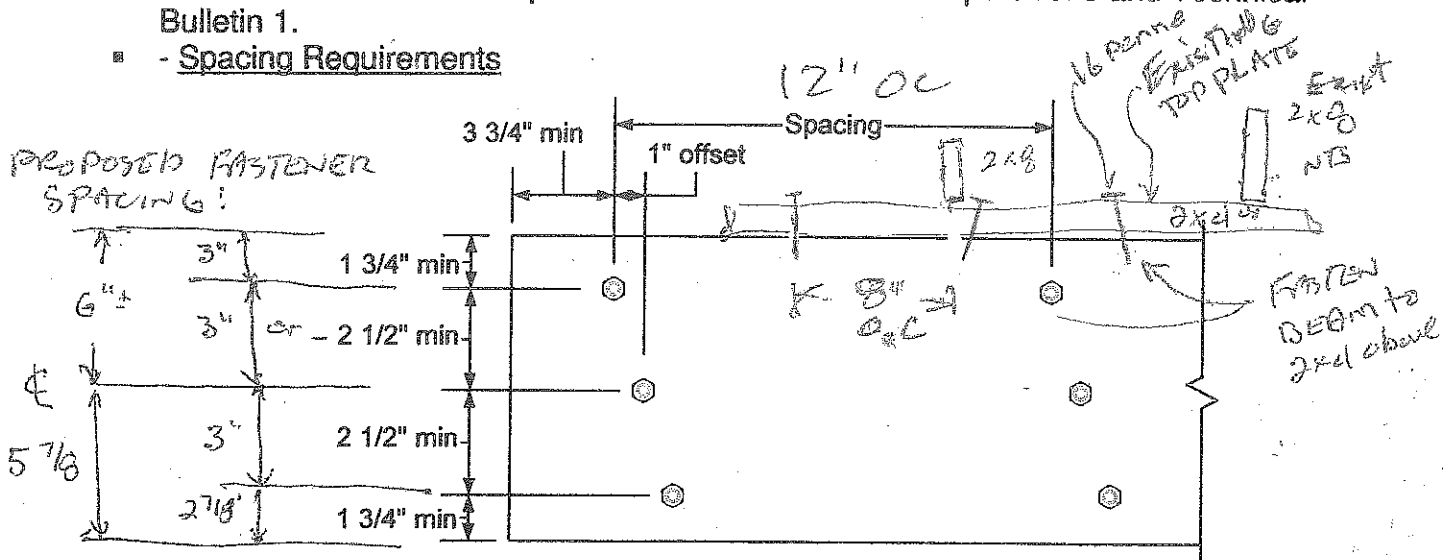
When using multiple ply 1 3/4" Versa-Lam beams to create a beam, the way the plies is as critical as determining the beam size. When connected properly, the inside plies do not support their share of the carrying capacity of the full member decreases significantly.

FastenMaster TrussLok screws are an acceptable fastener for connecting Versa-Lam beams. The following is an allowable load chart for design schedule:

# of Members	Screw Size	2 rows - 24" o.c.	3 rows ⁽¹⁾ - 24" o.c.	2 rows - 16" o.c.	3 rows ⁽¹⁾ - 16" o.c.	2 rows - 12" o.c.	3 rows ⁽¹⁾ - 12" o.c.
2	3 3/8" TrussLok	534	801	801	1202	1068	1602
3	5" TrussLok	433	649	649	974	866	1299
4 ⁽²⁾	6 3/4" TrussLok	387	580	580	870	773	1160

Notes:

- 1) 3 row connections allowed for 11 7/8" and deeper beams, middle row at centerline.
- 2) 4 Ply Versa-Lam beams shall be side loaded (framing) from both sides. If not equally loaded, PLF load from lesser side shall be at least 25% of opposite side.
- All TrussLok screws may be installed from one side of multiple ply Versa-Lam beams.
- For top-loaded only beams, a minimum fastener schedule of 2 rows @ 24" o.c. is required for 18" and shallower depth beams, 3 rows @ 24" o.c. for 24" depth beams
- Fastener values based upon FastenMaster ICC ESR report 1078 and Technical Bulletin 1.
- Spacing Requirements



For further information, please consult FastenMaster TrussLok Technical Bulletin 1.