

Rows	Depth Range	Spacing				
			3 1/2" (2 plies)	5 1/4" (3 plies)	5 1/4" (2 plies)	7" (3 plies)
			Maximum Factored Uniform Load (PLF) Applied to Either Outside Member			
			3.5" Common Wire Nails (16d)			
2	7 1/4" to 18"	24"	434	325	325	289
		12"	867	650	650	578
		6"	1734	1301	1301	1156
3	11 7/8" to 24"	24"	650	488	488	434
		12"	1301	976	976	867
		6"	2602	1951	1951	1734
4	14" to 24"	24"	867	650	650	578
		12"	1734	1301	1301	1156
		6"	3469	2602	2602	2312

Rows	Depth Range	Spacing				
			3 1/2" (2 plies)	5 1/4" (3 plies)	7" (2 plies)	7" (4 plies)
			Maximum Factored Uniform Load (PLF) Applied to Either Outside Member			
			SDW22338	SDW22500	SDW22634	SDW22634
2	7 1/4" to 18"	24"	680	623	1140	553
		12"	1360	1245	2280	1107
		6"	2720	2490	4560	2213
3	11 7/8" to 24"	24"	1020	934	1710	830
		12"	2040	1868	3420	1660
		6"	4080	3735	6840	3320
4	14" to 24"	24"	1360	1245	2280	1107
		12"	2720	2490	4560	2213
		6"	5440	4980	9120	4427

Rows	Depth Range	Spacing				
			3 1/2" (2 plies)	5 1/4" (3 plies)	7" (2 plies)	7" (4 plies)
			Maximum Factored Uniform Load (PLF) Applied to Either Outside Member			
			SDS 1/4"x3.5"	SDS 1/4"x3.5"	SDS 1/4"x6"	SDS 1/4"x6"
2	7 1/4" to 18"	24"	610	458	610	520
		12"	1220	915	1220	1040
		6"	2440	1830	2440	2080
3	11 7/8" to 24"	24"	915	686	915	780
		12"	1830	1373	1830	1560
		6"	3660	2745	3660	3120
4	14" to 24"	24"	1220	915	1220	1040
		12"	2440	1830	2440	2080
		6"	4880	3660	4880	4160

Rows	Depth Range	Spacing				
			3 1/2" (2 plies)	5 1/4" (3 plies)	7" (2 plies)	7" (4 plies)
			Maximum Factored Uniform Load (PLF) Applied to Either Outside Member			
			3/8" TrussLok	5" TrussLok	6 3/4" TrussLok	6 3/4" TrussLok
2	7 1/4" to 18"	24"	864	675	849	600
		12"	1,728	1,350	1,698	1,200
		6"	3,456	2,700	3,396	2,400
3	11 7/8" to 24"	24"	1,296	1,013	1,274	900
		12"	2,592	2,025	2,547	1,800
		6"	5,184	4,050	5,094	3,600
4	14" to 24"	24"	1,728	1,350	1,698	1,200
		12"	3,456	2,700	3,396	2,400
		6"	6,912	5,400	6,792	4,800

Rows	Depth Range	Spacing						
			3 1/2" (2 plies)	5 1/4" (3 plies)	5 1/4" (2 plies)	7" (3 plies)	7" (2 plies)	7" (4 plies)
			Maximum Factored Uniform Load (PLF) Applied to Either Outside Member					
			1/2" Bolts					
2	7 1/4" to 11 7/8"	12"	1560	1170	1755	1560	3120	1040
		6"	3120	2340	3510	3120	6240	2080
3	11 7/8" to 24"	12"	2340	1755	2632	2340	4680	1560
		6"	4680	3510	5265	4680	9360	3120

NOTES

- Design values apply to common bolts that conform to ASTM A307 Grades A&B, SAE J429 Grades 2 or higher. A washer not less than a standard cut washer shall be between the wood and the bolt head and between the wood and the nut. The minimum edge distance for SDS/TrussLok screws and bolts shall be 2". The minimum end distance for SDS/TrussLok screws and bolts shall be 4", except for SDW screws where the end distance should not be less than 6". Bolt holes shall not be greater than 1/16 of the bolt diameter.
- When 3 1/4" sinker nails (16d) are used, multiply the maximum factored uniform load for the 3.5" common wire nails by 0.87 factor.
- When 3 1/4" pneumatic gun nails 0.122" diameter (10d) are used, multiply the maximum factored uniform load for the 3.5" common wire nails by 0.61 factor.
- The nail schedules shown apply to both sides of a 3-member beam.
- 4-ply beams must be loaded from both sides. Lesser side shall be no less than 25% of the opposite side.
- Beams wider than 7" must be designed by the professional engineer of record.
- An equivalent specific gravity of 0.5 may be used when designing specific connections with Versa-Lam. Connection design is based on CSA O86-14.
- Refer to current technical literature from FastenMaster TrussLok and Simpson Strong-Tie to confirm information herein has not been superseded.
- Other fasteners may also be used to connect multiple Versa-Lam beams. Contact Boise Cascade EWP Engineering for further information.