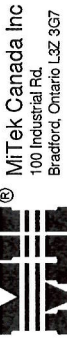


MAXIMUM APPLIED PLF FOR MULTI-PLY GIRDER - SPF

B37019A

Capacity per nail (lb) :	
3" (spiral) =	117
3" (c. wire) =	159

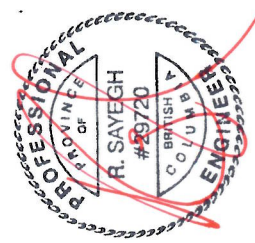


MiTek Canada Inc
100 Industrial Rd.
Bradford, Ontario L3Z 3G7

		Capacities in table are maximum factored applied loads in PLF (lb/ft)											
		1 ROW		2 ROWS		3 ROWS		4 ROWS		5 ROWS		6 ROWS	
		3" spiral 3" c. wire		3" spiral 3" c. wire		3" spiral 3" c. wire		3" spiral 3" c. wire		3" spiral 3" c. wire		3" spiral 3" c. wire	
2 - PLY	Lumber	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
SURFACE NAIL	2X3	1	1										
SPACING (IN)	2X4 / 2X5	1	2										
12		1	2	468	636	702	954	936	1272	878	1193	1053	1431
8		2	3	562	763	842	1145	1123	1526	1316	1789	1580	2147
6		2	4	702	954	1053	1431	1404	1908	1755	2385	2106	2862
4		3	5	936	1272	1404	1908	1872	2544	2106	2862	2527	3434
3 - PLY	2X12	3	6	1404	1908	2106	2862	2808	3816	2633	N/A	3159	N/A
SURFACE NAIL													
SPACING (IN)													
12				351	477	527	716	702	954	780	1060	936	1272
8				527	716	790	1073	1053	1431	1170	1590	1404	1908
6				702	954	1053	1431	1404	1908	1560	2120	1872	2544
5				842	1145	1264	1717	1685	2290	1872	2544	2246	3053
4				1053	N/A	1580	N/A	2106	N/A	2340	N/A	2808	N/A
4-PLY *													
SURFACE NAIL													
SPACING (IN)													
12				312	424	468	636	624	848	780	1060	936	1272
8				468	636	702	954	936	1272	1170	1590	1404	1908
6				624	848	936	1272	1248	1696	1560	2120	1872	2544
5				749	1018	1123	1526	1498	2035	1872	2544	2246	3053
4				936	N/A	1404	N/A	1872	N/A	2340	N/A	2808	N/A
5-PLY *													
SURFACE NAIL													
SPACING (IN)													
12				293	398	439	596	585	795	731	994	878	1193
8				439	596	658	894	878	1193	1097	1491	1316	1789
6				585	795	878	1193	1170	1590	1463	1988	1755	2385
5				702	954	1053	1431	1404	1908	1755	2385	2106	2862
4				878	N/A	1316	N/A	1755	N/A	2194	N/A	2633	N/A

NOTES: * For 4 & 5-ply trusses add one 1/2" diameter bolt + washers in each top and bottom chord panel

- 1) This table conforms to CSA O86-09, Section 10.9.
- 2) Values in table are based on **DRY lumber** at time of nail installation (<19% moisture content).
- 3) Bolts used in 4 and 5-ply trusses must conform to CSA O86-09, Section 10.4.1
- 4) Minimum hanger nail length is 1.5". For minimum edge, end, and spacing requirements see MiTek Detail B37019C.
- 5) For 9 - 3/4 gauge 3.25" common wire gun nails (dia. = 0.120") use 3" spiral nail values.
- 6) Bolt holes drilled into 4 and 5-ply girders must not exceed 0.5625" (1/2" + 1/16").
- 7) Table values were determined using "Standard" load duration (K_D = 1.0).
- 8) This table is not valid after April 30, 2013.



SEP 16 2011