

MINIMUM FASTENING PATTERN FOR TOP LOADED BEAMS			
WOOD TYPE	BEAM DEPTH	FASTENERS PER ROW	SPACING BETWEEN
DIMENSIONAL LUMBER	UP TO 2x10	2	24"
	2X12	3	24"
EW (LVL / LSL)	UNDER 18"	2	16"
	18" PLUS	3	16"

DESIGNER NOTES

Table values assume the worst-case condition where uniform load is applied to the ply closest to the fastener point. Higher loads available for ply closest to fastener head in Evaluation Report. Maintain minimum edge distances of 1-3/4" from top and bottom and 6" from end. Select proper size from detail below based on number of plies and wood thickness.

COMPLIANT TO CODES

IRC, IBC, LABC, LARC, FBC, FRC

SUPPORTING TECHNICAL REPORTS

IAMPO Evaluation Report ER-718
[\(https://www.iapmoes.org/building-products-evaluation-report-program/evaluation-report-directory/\)](https://www.iapmoes.org/building-products-evaluation-report-program/evaluation-report-directory/)

ALLOWABLE UNIFORM SIDE LOAD (PLF) IN DIMENSIONAL and EW BEAMS													
FASTENERS PER ROW	SPACING BETWEEN ROWS	2-PLY				3-PLY				4-PLY			
		SPF (0.42)	D.FIR (0.50)	S.PINE (0.55)	LVL LSL	SPF (0.42)	D.FIR (0.50)	S.PINE (0.55)	LVL LSL	SPF (0.42)	D.FIR (0.50)	S.PINE (0.55)	LVL LSL
2	24	300	360	420	660	220	270	310	490	200	240	280	440
2	19.2	375	450	525	825	275	340	390	615	250	300	350	550
2	16	450	540	630	990	330	405	465	735	300	360	420	660
2	12	600	720	840	1320	440	540	620	980	400	480	560	880
3	24	450	540	630	990	330	405	465	735	300	360	420	660
3	19.2	565	675	790	1240	415	505	580	920	375	450	525	825
3	16	675	810	945	1485	495	607.5	697.5	1103	450	540	630	990
3	12	900	1080	1260	1980	660	810	930	1470	600	720	840	1320

2-Ply



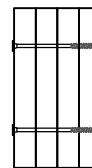
2-7/8" FlatLOK

3-Ply



4-1/2" FlatLOK

4-Ply



6" FlatLOK

MULTI-PLY GIRDER TRUSS

**DETAIL #
FM - FL 01**

**REV. DATE
04/13/2023**

FastenMaster Framing Details

