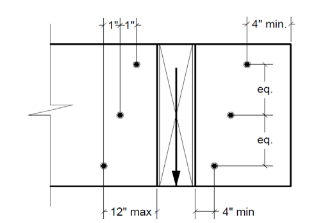
Boise Cascade®
ENGINEERED WOOD PRODUCTS

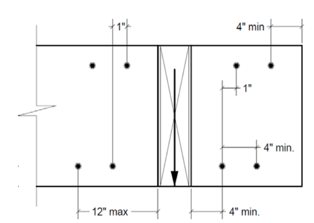
LIMIT STATES DESIGN
CANADA

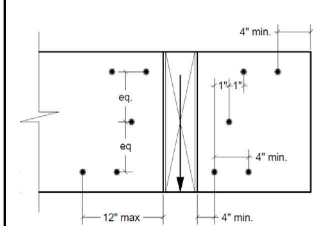
Technical Note

Versa-Lam® Multiple Beam Side Load Connection - FlatLOK

			(44mm) 1¾ 1¾ — 3½" (89mm) FlatLOK	(44mm) 1¾ 1¾ 1¾ — 5" (127mm) FlatLOK	(44mm) 1¾ 1¾ 1¾ 1¾ — 6¾" (171mm) FlatLOK	(44mm) (89mm) 1¾ 3½ — 5" (127mm) FlatLOK	(89mm) 3½ 3½ — 6¾" (171mm) FlatLOK	(44mm) (89mm) (44mm) 1¾ 3½ 1¾ — 6¾" (171mm) FlatLOK	
			3 1/2" (2 plies)	5 1/4" (3 plies)	7" (4 plies)	5 1/4" (2 plies)	7" (2 plies)	7" (3 plies)	
Rows	Depth range	Spacing	Maximum Factored Uniform Load (PLF) Applied to Either Outside Member						
			FL312	FL005	FL634	FL005	FL634	FL634	
2	7.25" to 18"	24"	770	600	530	780	1,220	530	
		12"	1,540	1,200	1,060	1,560	2,440	1,060	
		6"	3,080	2,400	2,130	3,120	4,880	2,130	
3	11.875" to 24"	24"	1,160	900	800	1,170	1,830	800	
		12"	2,310	1,800	1,600	2,340	3,660	1,600	
		6"	4,620	3,600	3,190	4,680	7,320	3,190	
4	14" to 24"	24"	1,540	1,200	1,060	1,560	2,440	1,060	
		12"	3,080	2,400	2,130	3,120	4,880	2,130	
		6"	6,160	4,800	4,250	6,240	9,760	4,250	
Number of connectors		Depth range	Maximum Factored Concentrated Load (LB) Applied to Either Outside Member						Detail
			FL312	FL005	FL634	FL005	FL634	FL634	
6		9.25" to 24"	4,620	3,600	3,190	4,680	7,320	3,190	A
8		7.25" to 24"	6,160	4,800	4,250	6,240	9,760	4,250	B
10		9.25" to 24"	7,700	6,000	5,320	7,800	12,200	5,320	C
12		9.25" to 24"	9,240	7,200	6,380	9,360	14,640	6,380	D
14		11.875" to 24"	10,780	8,400	7,450	10,920	17,080	7,450	E
16		11.875" to 24"	12,320	9,600	8,510	12,480	19,520	8,510	F
18		14" to 24"	13,860	10,800	9,580	14,040	21,960	9,580	G
20		14" to 24"	15,400	12,000	10,640	15,600	24,400	10,640	H
22		14" to 24"	16,940	13,200	11,700	17,160	26,840	11,700	I
24		14" to 24"	18,480	14,400	12,770	18,720	29,280	12,770	J
26		14" to 24"	20,020	15,600	13,830	20,280	31,720	13,830	K
28		14" to 24"	21,560	16,800	14,900	21,840	34,160	14,900	L

Detail A


Detail B


Detail C


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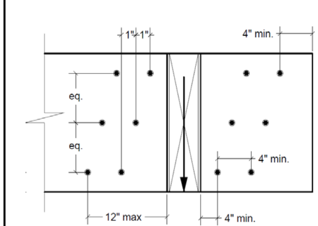

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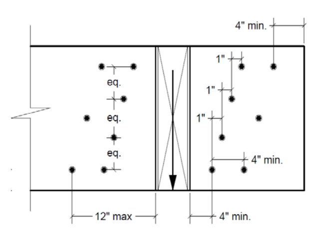

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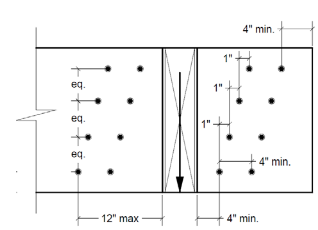
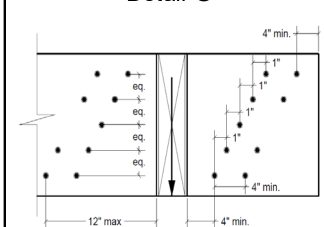


Detail G


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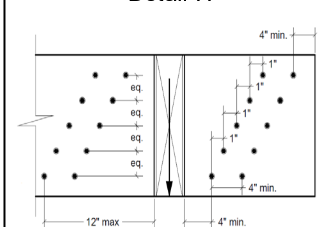
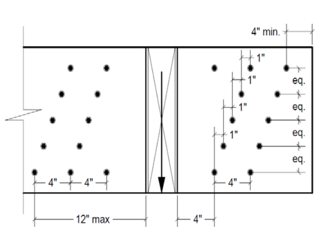


Detail I


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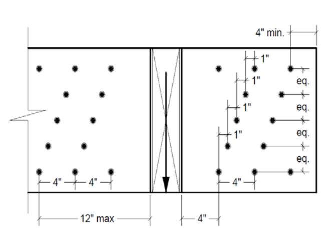
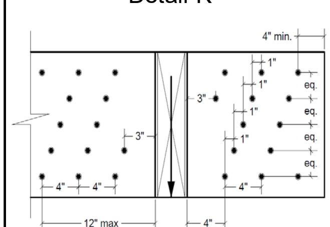


Detail K


Detail L