CITY OF PORTLAND, MAINE · RESURGAM
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 12/06/16

General Notes

- Table is based on:
  - Uniform loads (beam weight considered).
  - More restrictive of simple or continuous span.
  - Deflection criteria of L/240 total load (TL) and L/360 live load (LL).
- For live load deflection limits of L/240 or L/480, multiply **Live Load L/360** values by 1.5 or 0.75, respectively. The resulting live load must not exceed the total load shown.

*Also see **How to Use This Table** on page 18 and **General Assumptions** on page 5.*

2.0E Microllam® LVL: Floor—100% (PLF) *continued*

Span	Condition	3½" Width (2-ply)				5¼" Width (3-ply)									
		14"	16"	18"	20"	5½"	7¼"	9¼"	9½"	11¼"	11⅞"	14"	16"	18"	20"
6'	Total Load	3,589	3,919	3,919	3,919	1,366	2,287	3,082	3,188	3,972	4,272	5,384	5,878	5,878	5,878
	Live Load L/360	*	*	*	*	916	1,978	*	*	*	*	*	*	*	*
	Min. End/Int. Bearing (in.)	4.1/10.3	4.5/11.3	4.5/11.3	4.5/11.3	1.5/3.5	1.8/4.4	2.4/5.9	2.4/6.1	3/7.6	3.3/8.2	4.1/10.3	4.5/11.3	4.5/11.3	4.5/11.3
8'	Total Load	2,414	2,885	2,934	2,934	461	1,028	2,086	2,193	2,745	2,935	3,621	4,328	4,402	4,402
	Live Load L/360	*	*	*	*	401	887	1,753	1,886	*	*	*	*	*	*
	Min. End/Int. Bearing (in.)	3.7/9.3	4.4/11.1	4.5/11.3	4.5/11.3	1.5/3.5	1.5/3.5	2.1/5.3	2.2/5.6	2.8/7	3/7.5	3.7/9.3	4.4/11.1	4.5/11.3	4.5/11.3
9'-6"	Total Load	1,937	2,294	2,468	2,468	231	524	1,475	1,551	2,128	2,354	2,905	3,441	3,702	3,702
	Live Load L/360	*	*	*	*	*	*	1,086	1,171	1,872	2,170	*	*	*	*
	Min. End/Int. Bearing (in.)	3.5/8.8	4.2/10.5	4.5/11.3	4.5/11.3	1.5/3.5	1.5/3.5	1.8/4.5	1.9/4.7	2.6/6.5	2.9/7.2	3.5/8.8	4.2/10.5	4.5/11.3	4.5/11.3
10'	Total Load	1,817	2,147	2,344	2,344	187	427	1,330	1,398	1,919	2,123	2,725	3,221	3,516	3,516
	Live Load L/360	*	*	*	*	*	*	940	1,013	1,626	1,886	*	*	*	*
	Min. End/Int. Bearing (in.)	3.5/8.7	4.1/10.3	4.5/11.3	4.5/11.3	1.5/3.5	1.5/3.5	1.7/4.3	1.8/4.5	2.5/6.1	2.7/6.8	3.5/8.7	4.1/10.3	4.5/11.3	4.5/11.3
12'	Total Load	1,333	1,709	1,950	1,950	86	203	823	889	1,327	1,469	2,000	2,563	2,925	2,925
	Live Load L/360	1,198	*	*	*	*	*	558	602	976	1,137	1,797	*	*	*
	Min. End/Int. Bearing (in.)	3.1/7.7	3.9/9.9	4.5/11.3	4.5/11.3	1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5	2/5.1	2.3/5.7	3.1/7.7	3.9/9.9	4.5/11.3	4.5/11.3
14'	Total Load	975	1,253	1,563	1,669		106	521	564	926	1,074	1,463	1,880	2,345	2,503
	Live Load L/360	780	1,132	1,561	*		*	357	386	629	734	1,171	1,698	2,342	*
	Min. End/Int. Bearing (in.)	2.6/6.6	3.4/8.5	4.2/10.5	4.5/11.3		1.5/3.5	1.5/3.5	1.5/3.5	1.7/4.2	1.9/4.9	2.6/6.6	3.4/8.5	4.2/10.5	4.5/11.3
16'-6"	Total Load	698	897	1,120	1,365			317	343	569	668	1,047	1,346	1,680	2,048
	Live Load L/360	490	716	995	1,330			220	238	391	457	735	1,074	1,493	1,995
	Min. End/Int. Bearing (in.)	2.2/5.6	2.9/7.2	3.6/8.9	4.4/10.9			1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.6	2.2/5.6	2.9/7.2	3.6/8.9	4.4/10.9
18'-6"	Total Load	515	710	887	1,081			222	241	403	474	772	1,066	1,331	1,622
	Live Load L/360	352	517	722	970			157	170	280	328	529	776	1,084	1,456
	Min. End/Int. Bearing (in.)	1.9/4.7	2.6/6.4	3.2/8	3.9/9.7			1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5	1.9/4.7	2.6/6.4	3.2/8	3.9/9.7
20'	Total Load	408	604	756	922			173	188	317	374	612	907	1,135	1,384
	Live Load L/360	281	414	579	780			125	135	223	261	422	621	869	1,171
	Min. End/Int. Bearing (in.)	1.6/4	2.4/5.9	3/7.4	3.6/9			1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5	1.6/4	2.4/5.9	3/7.4	3.6/9
22'	Total Load	305	455	622	759			127	138	235	278	458	683	933	1,138
	Live Load L/360	213	314	441	596			94	102	168	197	320	472	662	895
	Min. End/Int. Bearing (in.)	1.5/3.5	2/4.9	2.7/6.7	3.3/8.2			1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5	2/4.9	2.7/6.7	3.3/8.2
24'	Total Load	234	350	497	634			95	104	178	211	351	525	746	951
	Live Load L/360	165	244	343	465			73	79	130	153	248	366	515	698
	Min. End/Int. Bearing (in.)	1.5/3.5	1.7/4.2	2.4/5.9	3/7.5			1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5	1.7/4.2	2.4/5.9	3/7.5
26'	Total Load	182	274	390	534			72	78	137	163	273	411	586	801
	Live Load L/360	130	193	272	370			57	62	102	120	196	290	409	555
	Min. End/Int. Bearing (in.)	1.5/3.5	1.5/3.6	2/5.1	2.7/6.9			1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.6	2/5.1	2.7/6.9
28'	Total Load	143	217	311	427			55	60	106	127	215	326	467	641
	Live Load L/360	105	155	219	298			46	50	82	97	157	233	329	448
	Min. End/Int. Bearing (in.)	1.5/3.5	1.5/3.5	1.8/4.4	2.4/6			1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5	1.8/4.4	2.4/6
30'	Total Load	114	174	251	346					83	100	171	261	376	519
	Live Load L/360	85	127	179	244					67	79	128	190	269	366
	Min. End/Int. Bearing (in.)	1.5/3.5	1.5/3.5	1.5/3.9	2.1/5.2					1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.9	2.1/5.2

* Indicates **Total Load** value controls.