

FLOOR LOAD TABLE (PLF)

2 1/2" LVL 100%

Span	Condition	One 1 1/4" onCENTER LVL						Two 1 1/4" onCENTER LVL										
		7/4"	9/4"	9 1/2"	11 1/4"	11 1/2"	14"	7/4"	9/4"	9 1/2"	11 1/4"	11 1/2"	14"	16"	18"	20"	22"	24"
6'	Live Load L/360	762						1525										
	Total Load	763	1028	1063	1325	1425	1795	1526	2056	2126	2649	2849	3591	4185	4183	4181	4179	4177
	End / Int. Bearing	1.8 / 4.4	2.4 / 5.9	2.4 / 6.1	3.0 / 7.6	3.3 / 8.2	4.1 / 10.3	1.8 / 4.4	2.4 / 5.9	2.4 / 6.1	3.0 / 7.6	3.3 / 8.2	4.1 / 10.3	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
8'	Live Load L/360	322	668	724				643	1336	1447								
	Total Load	479	723	746	915	979	1208	958	1446	1492	1831	1958	2415	2887	3133	3131	3129	3127
	End / Int. Bearing	1.5 / 3.7	2.2 / 5.5	2.3 / 5.7	2.8 / 7.0	3.0 / 7.5	3.7 / 9.3	1.5 / 3.7	2.2 / 5.5	2.3 / 5.7	2.8 / 7.0	3.0 / 7.5	3.7 / 9.3	4.4 / 11.1	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
10'	Live Load L/360	164	342	370	615	724		329	684	741	1230	1447						
	Total Load	244	509	551	699	745	909	487	1017	1102	1398	1490	1818	2149	2503	2501	2499	2497
	End / Int. Bearing	1.5 / 3.0	2.0 / 4.9	2.1 / 5.3	2.7 / 6.7	2.9 / 7.1	3.5 / 8.7	1.5 / 3.0	2.0 / 4.9	2.1 / 5.3	2.7 / 6.7	2.9 / 7.1	3.5 / 8.7	4.1 / 10.3	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
11'	Live Load L/360	123	257	278	462	544		247	514	557	924	1087						
	Total Load	182	381	413	625	665	809	364	762	826	1249	1331	1618	1905	2210	2272	2270	2268
	End / Int. Bearing	1.5 / 3.0	1.6 / 4.0	1.7 / 4.4	2.6 / 6.6	2.8 / 7.0	3.4 / 8.5	1.5 / 3.0	1.6 / 4.0	1.7 / 4.4	2.6 / 6.6	2.8 / 7.0	3.4 / 8.5	4.0 / 10.1	4.7 / 11.7	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
12'	Live Load L/360	95	198	214	356	419	686	190	396	429	712	837	1372					
	Total Load	139	292	317	529	586	728	279	585	634	1057	1171	1457	1710	1978	2081	2079	2077
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.4	1.5 / 3.7	2.4 / 6.1	2.7 / 6.8	3.4 / 8.4	1.5 / 3.0	1.5 / 3.4	1.5 / 3.7	2.4 / 6.1	2.7 / 6.8	3.4 / 8.4	3.9 / 9.9	4.6 / 11.4	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
13'	Live Load L/360	75	155	168	280	329	540	150	311	337	560	659	1079					
	Total Load	109	229	248	415	488	662	218	458	497	829	977	1325	1551	1790	1920	1918	1916
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.1	2.1 / 5.2	2.4 / 6.1	3.3 / 8.3	1.5 / 3.0	1.5 / 3.0	1.5 / 3.1	2.1 / 5.2	2.4 / 6.1	3.3 / 8.3	3.9 / 9.7	4.5 / 11.2	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
14'	Live Load L/360	60	124	135	224	264	432	120	249	270	448	527	864	1290				
	Total Load	86	182	198	331	390	578	173	365	396	662	780	1156	1419	1634	1781	1779	1777
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.8 / 4.5	2.1 / 5.3	3.1 / 7.8	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.8 / 4.5	2.1 / 5.3	3.1 / 7.8	3.8 / 9.6	4.4 / 11.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
15'	Live Load L/360	48	101	109	182	214	351	97	202	219	365	429	703	1049	1493			
	Total Load	69	147	160	268	316	503	139	295	320	536	632	1005	1280	1503	1661	1659	1657
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.6 / 3.9	1.8 / 4.6	2.9 / 7.3	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.6 / 3.9	1.8 / 4.6	2.9 / 7.3	3.7 / 9.2	4.3 / 10.9	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
16'	Live Load L/360	40	83	90	150	176	289	80	167	181	300	353	579	864	1230			
	Total Load	56	121	131	220	259	428	113	242	262	440	519	855	1123	1390	1556	1554	1552
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.4	1.6 / 4.0	2.6 / 6.6	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.4	1.6 / 4.0	2.6 / 6.6	3.5 / 8.7	4.3 / 10.7	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
17'	Live Load L/360		69	75	125	147	241	67	139	151	250	294	483	720	1026	1407		
	Total Load		100	108	182	215	355	93	200	217	365	431	711	993	1229	1463	1461	1460
	End / Int. Bearing		1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.6	2.3 / 5.9	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.6	2.3 / 5.9	3.3 / 8.2	4.0 / 10.1	4.8 / 12.0	4.8 / 12.0
18'	Live Load L/360		58	63	105	124	203	56	117	127	211	248	407	607	864	1185		
	Total Load		83	90	153	180	298	77	167	181	306	361	597	884	1095	1325	1379	1377
	End / Int. Bearing		1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.2	2.1 / 5.2	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.2	2.1 / 5.2	3.1 / 7.7	3.8 / 9.5	4.6 / 11.5	4.8 / 12.0	4.8 / 12.0
19'	Live Load L/360		49	54	89	105	173	48	99	108	179	211	346	516	735	1008		
	Total Load		70	76	129	152	253	65	141	153	258	305	505	759	981	1187	1305	1304
	End / Int. Bearing		1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.9 / 4.7	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.9 / 4.7	2.8 / 7.0	3.6 / 9.0	4.4 / 10.9	4.8 / 12.0	4.8 / 12.0
20'	Live Load L/360		42	46	77	90	148	41	85	92	154	181	296	442	630	864	1150	
	Total Load		59	65	110	130	216	54	119	130	220	260	431	649	883	1070	1239	1237
	End / Int. Bearing		1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.7 / 4.2	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.7 / 4.2	2.5 / 6.3	3.4 / 8.6	4.1 / 10.4	4.8 / 12.0	4.8 / 12.0
22'	Live Load L/360				57	68	111		64	69	115	136	223	332	473	649	864	1122
	Total Load				81	96	160		87	95	163	193	321	483	693	881	1047	1123
	End / Int. Bearing				1.5 / 3.0	1.5 / 3.0	1.5 / 3.5		1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.5	2.1 / 5.2	3.0 / 7.4	3.8 / 9.4	4.5 / 11.2	4.8 / 12.0
24'	Live Load L/360				44	52	85		49	53	89	104	171	256	500	666	864	
	Total Load				61	73	122		65	71	123	146	244	369	530	731	876	1027
	End / Int. Bearing				1.5 / 3.0	1.5 / 3.0	1.5 / 3.0		1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.8 / 4.4	2.5 / 6.2	3.4 / 8.6	4.1 / 10.3	4.8 / 12.0
26'	Live Load L/360					41	67			42	70	82	135	201	287	393	524	680
	Total Load					56	94			54	94	112	189	287	413	571	744	871
	End / Int. Bearing					1.5 / 3.0	1.5 / 3.0			1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.7	2.1 / 5.3	2.9 / 7.3	3.8 / 9.5	4.4 / 11.1
28'	Live Load L/360						54				56	66	108	161	229	315	419	544
	Total Load						74				73	87	149	227	453	608	748	878
	End / Int. Bearing						1.5 / 3.0				1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.2	1.8 / 4.6	2.5 / 6.3	3.4 / 8.4	4.1 / 10.3

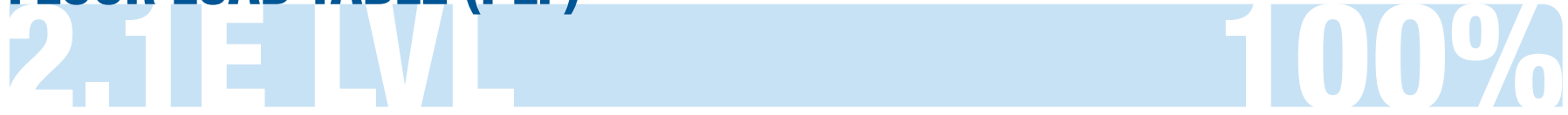
Live Load L/360 = Maximum live load (plf) with deflection limited to L/360

Total Load = Maximum total load (plf) with deflection limited to L/240

End / Int. Bearing = Minimum end and intermediate bearing length (inches) based on bearing stress of 750 psi, as provided by direct bearing on Hem-Fir, Southern Pine, or Douglas Fir-Larch cripples or on a properly specified hanger or steel column plate.

For additional information regarding use of this table, refer to pages 37 and 51 of BlueLinX onCENTER Residential Floor & Roof Systems Specifier's Guide, Lit. Item # OCLPG.

FLOOR LOAD TABLE (PLF)



Span	Condition	Three 1 1/4" onCENTER LVL										Four 1 1/4" onCENTER LVL									
		9 1/2"	9 1/2"	11 1/4"	11 1/4"	14"	16"	18"	20"	22"	24"	9 1/2"	9 1/2"	11 1/4"	11 1/4"	14"	16"	18"	20"	22"	24"
6'	Live Load L/360	3084	3190	3974	4274	5386	6277	6274	6272	6269	6266	4112	4253	5299	5699	7181	8370	8366	8362	8358	8355
	Total Load																				
	End / Int. Bearing	2.4 / 5.9	2.4 / 6.1	3.0 / 7.6	3.3 / 8.2	4.1 / 10.3	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	2.4 / 5.9	2.4 / 6.1	3.0 / 7.6	3.3 / 8.2	4.1 / 10.3	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
8'	Live Load L/360	2004	2171	2746	2937	3623	4330	4699	4697	4694	4691	2672	2894	3662	3916	4831	5773	6266	6262	6258	6255
	Total Load																				
	End / Int. Bearing	2.2 / 5.5	2.3 / 5.7	2.8 / 7.0	3.0 / 7.5	3.7 / 9.3	4.4 / 11.1	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	2.2 / 5.5	2.3 / 5.7	2.8 / 7.0	3.0 / 7.5	3.7 / 9.3	4.4 / 11.1	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
10'	Live Load L/360	1026	1111	1846	2171	2727	3223	3754	3752	3749	3746	1368	1482	2461	2894	3636	4298	5006	5002	4998	4995
	Total Load																				
	End / Int. Bearing	2.0 / 4.9	2.1 / 5.3	2.7 / 6.7	2.9 / 7.1	3.5 / 8.7	4.1 / 10.3	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	2.0 / 4.9	2.1 / 5.3	2.7 / 6.7	2.9 / 7.1	3.5 / 8.7	4.1 / 10.3	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
11'	Live Load L/360	771	835	1387	1631	2427	2857	3315	3408	3405	3402	1028	1113	1849	2175	2661	3235	3810	4420	4544	4540
	Total Load																				
	End / Int. Bearing	1.6 / 4.0	1.7 / 4.4	2.6 / 6.6	2.8 / 7.0	3.4 / 8.5	4.0 / 10.1	4.7 / 11.7	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.6 / 4.0	1.7 / 4.4	2.6 / 6.6	2.8 / 7.0	3.4 / 8.5	4.0 / 10.1	4.7 / 11.7	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
12'	Live Load L/360	594	643	1068	1256	2058	2565	2967	3122	3119	3116	792	858	1424	1675	2745	3235	3810	4420	4544	4540
	Total Load																				
	End / Int. Bearing	1.5 / 3.4	1.5 / 3.7	2.4 / 6.1	2.7 / 6.8	3.4 / 8.4	3.9 / 9.9	4.6 / 11.4	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.4	1.5 / 3.7	2.4 / 6.1	2.7 / 6.8	3.4 / 8.4	3.9 / 9.9	4.6 / 11.4	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
13'	Live Load L/360	467	506	840	988	1619	1987	2327	2685	2879	2876	623	675	1120	1317	2159	2580	3103	3579	3839	3835
	Total Load																				
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.1	2.1 / 5.2	2.4 / 6.1	3.3 / 8.3	3.9 / 9.7	4.5 / 11.2	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.1	2.1 / 5.2	2.4 / 6.1	3.3 / 8.3	3.9 / 9.7	4.5 / 11.2	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
14'	Live Load L/360	374	405	673	791	1296	1935	2240	2451	2672	2669	499	540	897	1055	1728	2580	3103	3579	3839	3835
	Total Load																				
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.8 / 4.5	2.1 / 5.3	3.1 / 7.8	3.8 / 9.6	4.4 / 11.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.8 / 4.5	2.1 / 5.3	3.1 / 7.8	3.8 / 9.6	4.4 / 11.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
15'	Live Load L/360	304	329	547	643	1054	1573	2240	2451	2672	2669	405	439	729	858	1405	2098	2987	3006	3322	3318
	Total Load																				
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.6 / 3.9	1.8 / 4.6	2.9 / 7.3	3.7 / 9.2	4.3 / 10.9	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.6 / 3.9	1.8 / 4.6	2.9 / 7.3	3.7 / 9.2	4.3 / 10.9	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
16'	Live Load L/360	250	271	451	530	868	1296	1846	2085	2334	2328	334	362	601	707	1158	1728	2461	2780	3112	3108
	Total Load																				
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.4	1.6 / 4.0	2.6 / 6.6	3.5 / 8.7	4.3 / 10.7	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.4	1.6 / 4.0	2.6 / 6.6	3.5 / 8.7	4.3 / 10.7	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
17'	Live Load L/360	209	226	376	442	724	1081	1539	2111	2192	2189	278	302	501	589	965	1441	2052	2814	2927	2923
	Total Load																				
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.6	2.3 / 5.9	3.3 / 8.2	4.0 / 10.1	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.6	2.3 / 5.9	3.3 / 8.2	4.0 / 10.1	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
18'	Live Load L/360	176	190	316	372	610	910	1296	1778	2066	2066	234	254	422	496	813	1214	1728	2371	2758	2755
	Total Load																				
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.2	2.1 / 5.2	3.1 / 7.7	3.8 / 9.5	4.6 / 11.5	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.2	2.1 / 5.2	3.1 / 7.7	3.8 / 9.5	4.6 / 11.5	4.8 / 12.0	4.8 / 12.0
19'	Live Load L/360	149	162	269	316	519	774	1102	1512	1955	1955	199	216	359	422	691	1032	1470	2016	2611	2607
	Total Load																				
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.9 / 4.7	2.8 / 7.0	3.6 / 9.0	4.4 / 10.9	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.9 / 4.7	2.8 / 7.0	3.6 / 9.0	4.4 / 10.9	4.8 / 12.0	4.8 / 12.0
20'	Live Load L/360	128	139	231	271	445	664	945	1296	1725	1856	171	185	308	362	593	885	1260	1728	2300	2475
	Total Load																				
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.7 / 4.2	2.5 / 6.3	3.4 / 8.6	4.1 / 10.4	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.7 / 4.2	2.5 / 6.3	3.4 / 8.6	4.1 / 10.4	4.8 / 12.0	4.8 / 12.0
22'	Live Load L/360	96	104	173	204	334	499	710	974	1296	1683	128	139	231	272	445	665	947	1299	1728	2244
	Total Load																				
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.5	2.1 / 5.2	3.0 / 7.4	3.8 / 9.4	4.5 / 11.2	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.5	2.1 / 5.2	3.0 / 7.4	3.8 / 9.4	4.5 / 11.2	4.8 / 12.0
24'	Live Load L/360	74	80	133	157	257	384	547	750	998	1296	99	107	178	209	343	512	729	1000	1331	1728
	Total Load																				
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.8 / 4.4	2.5 / 6.2	3.4 / 8.6	4.1 / 10.3	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.8 / 4.4	2.5 / 6.2	3.4 / 8.6	4.1 / 10.3	4.8 / 12.0
26'	Live Load L/360	58	63	105	123	202	302	430	590	785	1020	77	84	140	164	270	403	574	787	1047	1359
	Total Load																				
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.7	2.1 / 5.3	2.9 / 7.3	3.8 / 9.5	4.4 / 11.1	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.7	2.1 / 5.3	2.9 / 7.3	3.8 / 9.5	4.4 / 11.1
28'	Live Load L/360	46	50	84	99	162	242	344	472	629	816	62	67	112	132	216	322	459	630	838	1088
	Total Load																				
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.2	1.8 / 4.6	2.5 / 6.3	3.4 / 8.4	4.1 / 10.3	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.2	1.8 / 4.6	2.5 / 6.3	3.4 / 8.4	4.1 / 10.3

Live Load L/360 = Maximum live load (plf) with deflection limited to L/360
Total Load = Maximum total load (plf) with deflection limited to L/240
End / Int. Bearing = Minimum end and intermediate bearing length (inches) based on bearing stress of 750 psi, as provided by direct bearing on Hem-Fir, Southern Pine, or Douglas Fir-Larch cripples or on a properly specified hanger or steel column plate.

For additional information regarding use of this table, refer to pages 37 and 51 of BlueLinX onCENTER Residential Floor & Roof Systems Specifier's Guide, Lit. Item # OCLPG.

ROOF LOAD TABLE (PLF)

2 1/2" LVL 115%

Span	Condition	One 1 1/4" onCENTER LVL						Two 1 1/4" onCENTER LVL												
		7/4"	9/4"	9 1/2"	11 1/4"	11 1/2"	14"	7/4"	9/4"	9 1/2"	11 1/4"	11 1/2"	14"	16"	18"	20"	22"	24"		
6'	Live Load L/240																			
	Total Load	878	1183	1223	1524	1639	2066	1756	2366	2447	3048	3279	4131	4185	4183	4181	4179	4177		
	End / Int. Bearing	2.0 / 5.0	2.7 / 6.8	2.8 / 7.0	3.5 / 8.7	3.8 / 9.4	4.7 / 11.8	2.0 / 5.0	2.7 / 6.8	2.8 / 7.0	3.5 / 8.7	3.8 / 9.4	4.7 / 11.8	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0		
8'	Live Load L/240																			
	Total Load	482	612	832	859	1054	1127	1390	965	1224	1664	1717	2107	2253	2780	3135	3133	3131	3129	3127
	End / Int. Bearing	1.9 / 4.7	2.5 / 6.4	2.6 / 6.6	3.2 / 8.1	3.5 / 8.6	4.3 / 10.6	1.9 / 4.7	2.5 / 6.4	2.6 / 6.6	3.2 / 8.1	3.5 / 8.6	4.3 / 10.6	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
10'	Live Load L/240																			
	Total Load	247	513	556	644	804	858	1046	494	1026	1111	1609	1715	2093	2474	2503	2501	2499	2497	2497
	End / Int. Bearing	1.5 / 3.1	2.4 / 5.9	2.5 / 6.2	3.1 / 7.7	3.3 / 8.2	4.0 / 10.0	1.5 / 3.1	2.4 / 5.9	2.5 / 6.2	3.1 / 7.7	3.3 / 8.2	4.0 / 10.0	4.7 / 11.9	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
11'	Live Load L/240																			
	Total Load	185	385	418	693	719	766	931	371	771	835	1387	1532	1862	2193	2274	2272	2270	2268	2268
	End / Int. Bearing	1.5 / 3.0	2.1 / 5.3	2.2 / 5.6	3.0 / 7.6	3.2 / 8.1	3.9 / 9.8	1.5 / 3.0	2.1 / 5.3	2.2 / 5.6	3.0 / 7.6	3.2 / 8.1	3.9 / 9.8	4.6 / 11.6	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
12'	Live Load L/240																			
	Total Load	143	297	322	534	628	674	839	286	594	643	1068	1256	1532	1862	2193	2274	2272	2270	2268
	End / Int. Bearing	1.5 / 3.0	1.8 / 4.5	2.0 / 4.9	2.8 / 7.0	3.1 / 7.8	3.9 / 9.7	1.5 / 3.0	1.8 / 4.5	2.0 / 4.9	2.8 / 7.0	3.1 / 7.8	3.9 / 9.7	4.5 / 11.3	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
13'	Live Load L/240																			
	Total Load	112	233	253	420	494	574	763	225	467	506	840	988	1147	1525	1786	1921	1920	1918	1916
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.9	1.7 / 4.2	2.6 / 6.5	2.9 / 7.2	3.8 / 9.5	1.5 / 3.0	1.5 / 3.9	1.7 / 4.2	2.6 / 6.5	2.9 / 7.2	3.8 / 9.5	4.5 / 11.2	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
14'	Live Load L/240																			
	Total Load	90	187	202	336	396	648	180	293	374	405	673	791	1296	1635	1783	1781	1779	1777	1777
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.3	1.5 / 3.6	2.4 / 6.0	2.7 / 6.7	3.6 / 9.0	1.5 / 3.0	1.5 / 3.3	1.5 / 3.6	2.4 / 6.0	2.7 / 6.7	3.6 / 9.0	4.4 / 11.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
15'	Live Load L/240																			
	Total Load	73	152	164	273	322	527	146	304	329	547	643	1054	1474	1663	1661	1659	1657	1657	1657
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.1	2.1 / 5.2	2.5 / 6.1	3.3 / 8.4	1.5 / 3.0	1.5 / 3.0	1.5 / 3.1	2.1 / 5.2	2.5 / 6.1	3.3 / 8.4	4.3 / 10.6	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
16'	Live Load L/240																			
	Total Load	60	125	135	225	265	434	120	250	271	451	530	868	1294	1558	1556	1554	1552	1552	1552
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.8 / 4.6	2.2 / 5.4	3.1 / 7.8	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.8 / 4.6	2.2 / 5.4	3.1 / 7.8	4.0 / 10.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
17'	Live Load L/240																			
	Total Load	50	104	113	188	221	362	100	209	226	376	442	724	1081	1416	1463	1461	1460	1460	1460
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.6 / 4.1	1.9 / 4.8	3.0 / 7.4	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.6 / 4.1	1.9 / 4.8	3.0 / 7.4	3.8 / 9.4	4.6 / 11.6	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
18'	Live Load L/240																			
	Total Load	42	88	95	158	186	305	84	176	190	316	372	610	910	1261	1381	1379	1377	1377	1377
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.6	1.7 / 4.3	2.8 / 7.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.6	1.7 / 4.3	2.8 / 7.0	3.5 / 8.9	4.4 / 11.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
19'	Live Load L/240																			
	Total Load	74	81	134	158	259	72	149	162	269	316	519	774	1102	1307	1305	1304	1304	1304	1304
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.2	1.5 / 3.8	2.5 / 6.3	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.2	1.5 / 3.8	2.5 / 6.3	3.4 / 8.4	4.2 / 10.4	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
20'	Live Load L/240																			
	Total Load	64	69	115	135	222	61	128	139	231	271	445	664	945	1233	1239	1237	1237	1237	1237
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.4	2.3 / 5.6	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.4	2.3 / 5.6	3.2 / 8.0	3.9 / 9.9	4.8 / 11.9	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
22'	Live Load L/240																			
	Total Load	48	52	86	102	167	46	96	104	173	204	334	499	710	974	1125	1123	1123	1123	1123
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.9 / 4.7	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.9 / 4.7	2.8 / 7.0	3.6 / 9.0	4.3 / 10.8	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
24'	Live Load L/240																			
	Total Load	37	40	66	78	128	74	80	133	157	257	384	547	750	998	1011	1027	1027	1027	1027
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.6 / 3.9	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.6 / 3.9	2.3 / 5.9	3.3 / 8.2	4.0 / 9.9	4.7 / 11.8	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
26'	Live Load L/240																			
	Total Load				52	61	101	58	63	105	123	202	302	430	590	785	858	864	864	864
	End / Int. Bearing				1.5 / 3.0	1.5 / 3.0	1.5 / 3.3	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.3	2.0 / 5.0	2.8 / 7.1	3.7 / 9.2	4.4 / 10.9	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
28'	Live Load L/240																			
	Total Load				42	49	81	46	50	84	99	162	242	344	472	629	816	864	864	864
	End / Int. Bearing				1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.7 / 4.3	2.4 / 6.1	3.4 / 8.4	4.0 / 10.1	4.7 / 11.8	4.8 / 12.0	4.8 / 12.0

Live Load L/240 = Maximum live load (plf) with deflection limited to L/240

Total Load = Maximum total load (plf) with deflection limited to L/180

End / Int. Bearing = Minimum end and intermediate bearing length (inches) based on bearing stress of 750 psi, as provided by direct bearing on Hem-Fir, Southern Pine, or Douglas Fir-Larch cripples or on a properly specified hanger or steel column plate.

For additional information regarding use of this table, refer to pages 37 and 51 of BlueLinX onCENTER Residential Floor & Roof Systems Specifier's Guide, Lit. Item # OCLPG.

ROOF LOAD TABLE (PLF)

2x12 LVL 15%

Span	Condition	Three 1½" onCENTER LVL										Four 1½" onCENTER LVL									
		9"	9½"	11¼"	11½"	14"	16"	18"	20"	22"	24"	9"	9½"	11¼"	11½"	14"	16"	18"	20"	22"	24"
6'	Live Load L/240	3549	3670	4573	4918	6197	6277	6274	6272	6269	6266	4731	4894	6097	6557	8262	8370	8366	8362	8358	8355
	Total Load																				
	End / Int. Bearing	2.7 / 6.8	2.8 / 7.0	3.5 / 8.7	3.8 / 9.4	4.7 / 11.8	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	2.7 / 6.8	2.8 / 7.0	3.5 / 8.7	3.8 / 9.4	4.7 / 11.8	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
8'	Live Load L/240	2496	2576	3161	3380	4170	4702	4699	4697	4694	4691	3328	3435	4214	4506	5559	6270	6266	6262	6258	6255
	Total Load																				
	End / Int. Bearing	2.5 / 6.4	2.6 / 6.6	3.2 / 8.1	3.5 / 8.6	4.3 / 10.6	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	2.5 / 6.4	2.6 / 6.6	3.2 / 8.1	3.5 / 8.6	4.3 / 10.6	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
10'	Live Load L/240	1539	1667	2413	2573	3139	3710	3754	3752	3749	3746	2052	2223	3218	3430	4186	4947	5006	5002	4998	4995
	Total Load	1839	1932	2413	2573	3139	3710	3754	3752	3749	3746	2452	2576	3218	3430	4186	4947	5006	5002	4998	4995
	End / Int. Bearing	2.4 / 5.9	2.5 / 6.2	3.1 / 7.7	3.3 / 8.2	4.0 / 10.0	4.7 / 11.9	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	2.4 / 5.9	2.5 / 6.2	3.1 / 7.7	3.3 / 8.2	4.0 / 10.0	4.7 / 11.9	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
11'	Live Load L/240	1156	1253	2080	2158	2793	3289	3411	3408	3405	3402	1542	1670	2773	3064	3725	4386	4548	4544	4540	4536
	Total Load	1518	1594	2158	2298	2793	3289	3411	3408	3405	3402	2023	2126	2877	3064	3725	4386	4548	4544	4540	4536
	End / Int. Bearing	2.1 / 5.3	2.2 / 5.6	3.0 / 7.6	3.2 / 8.1	3.9 / 9.8	4.6 / 11.6	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	2.1 / 5.3	2.2 / 5.6	3.0 / 7.6	3.2 / 8.1	3.9 / 9.8	4.6 / 11.6	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
12'	Live Load L/240	891	965	1602	1884	2516	2954	3124	3122	3119	3116	1187	1286	2136	2512	3354	3938	4166	4162	4158	4155
	Total Load	1174	1273	1830	2023	2516	2954	3124	3122	3119	3116	1566	1697	2440	2697	3354	3938	4166	4162	4158	4155
	End / Int. Bearing	1.8 / 4.5	2.0 / 4.9	2.8 / 7.0	3.1 / 7.8	3.9 / 9.7	4.5 / 11.3	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.8 / 4.5	2.0 / 4.9	2.8 / 7.0	3.1 / 7.8	3.9 / 9.7	4.5 / 11.3	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
13'	Live Load L/240	700	759	1260	1482	2288	2680	2882	2879	2876	2874	934	1012	1680	1976	3051	3573	3843	3839	3835	3831
	Total Load	921	998	1557	1721	2288	2680	2882	2879	2876	2874	1228	1331	2076	2295	3051	3573	3843	3839	3835	3831
	End / Int. Bearing	1.5 / 3.9	1.7 / 4.2	2.6 / 6.5	2.9 / 7.2	3.8 / 9.5	4.5 / 11.2	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.9	1.7 / 4.2	2.6 / 6.5	2.9 / 7.2	3.8 / 9.5	4.5 / 11.2	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
14'	Live Load L/240	561	608	1009	1187	1944	2452	2674	2672	2669	2666	748	810	1345	1582	2593	3269	3566	3562	3558	3555
	Total Load	735	797	1329	1482	1944	2452	2674	2672	2669	2666	980	1062	1772	1976	2662	3269	3566	3562	3558	3555
	End / Int. Bearing	1.5 / 3.3	1.5 / 3.6	2.4 / 6.0	2.7 / 6.7	3.6 / 9.0	4.4 / 11.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.3	1.5 / 3.6	2.4 / 6.0	2.7 / 6.7	3.6 / 9.0	4.4 / 11.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
15'	Live Load L/240	456	494	820	965	1581	2211	2494	2492	2489	2486	608	659	1094	1286	2108	2948	3326	3322	3318	3315
	Total Load	595	645	1078	1269	1737	2211	2494	2492	2489	2486	793	860	1437	1693	2316	2948	3326	3322	3318	3315
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.1	2.1 / 5.2	2.5 / 6.1	3.3 / 8.4	4.3 / 10.6	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.1	2.1 / 5.2	2.5 / 6.1	3.3 / 8.4	4.3 / 10.6	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
16'	Live Load L/240	376	407	676	795	1303	1941	2337	2334	2331	2328	501	543	901	1060	1737	2587	3116	3112	3108	3105
	Total Load	488	529	885	1043	1524	1941	2337	2334	2331	2328	650	706	1180	1391	2032	2587	3116	3112	3108	3105
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.8 / 4.6	2.2 / 5.4	3.1 / 7.8	4.0 / 10.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.8 / 4.6	2.2 / 5.4	3.1 / 7.8	4.0 / 10.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
17'	Live Load L/240	313	339	564	663	1086	1621	2124	2195	2192	2189	418	452	751	884	1448	2161	2832	2927	2923	2919
	Total Load	404	439	735	867	1348	1716	2124	2195	2192	2189	539	585	980	1156	1797	2288	2832	2927	2923	2919
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.6 / 4.1	1.9 / 4.8	3.0 / 7.4	3.8 / 9.4	4.6 / 11.6	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.6 / 4.1	1.9 / 4.8	3.0 / 7.4	3.8 / 9.4	4.6 / 11.6	4.8 / 12.0	4.8 / 12.0
18'	Live Load L/240	264	286	475	558	915	1366	1892	2072	2069	2066	352	381	633	744	1220	1821	2523	2762	2758	2755
	Total Load	339	368	617	728	1200	1529	1892	2072	2069	2066	452	490	823	970	1600	2038	2523	2762	2758	2755
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.6	1.7 / 4.3	2.8 / 7.0	3.5 / 8.9	4.4 / 11.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.6	1.7 / 4.3	2.8 / 7.0	3.5 / 8.9	4.4 / 11.0	4.8 / 12.0	4.8 / 12.0
19'	Live Load L/240	224	243	404	475	778	1161	1653	1958	1955	1952	299	324	538	633	1037	1548	2204	2615	2611	2607
	Total Load	286	311	522	616	1017	1370	1695	1958	1955	1952	381	414	696	821	1356	1826	2261	2615	2611	2607
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.2	1.5 / 3.8	2.5 / 6.3	3.4 / 8.4	4.2 / 10.4	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.2	1.5 / 3.8	2.5 / 6.3	3.4 / 8.4	4.2 / 10.4	4.8 / 12.0	4.8 / 12.0
20'	Live Load L/240	192	208	346	407	667	996	1417	1849	1856	1853	256	278	461	543	889	1327	1890	2466	2478	2475
	Total Load	243	264	445	526	869	1234	1528	1849	1856	1853	324	352	594	701	1159	1645	2037	2466	2478	2475
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.4	2.3 / 5.6	3.2 / 8.0	3.9 / 9.9	4.8 / 11.9	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.4	2.3 / 5.6	3.2 / 8.0	3.9 / 9.9	4.8 / 11.9	4.8 / 12.0
22'	Live Load L/240	144	156	260	306	501	748	1065	1461	1684	1681	193	209	347	408	668	997	1420	1948	2249	2245
	Total Load	180	195	331	391	648	975	1258	1523	1687	1684	239	260	441	521	864	1299	1677	2031	2249	2245
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.9 / 4.7	2.8 / 7.0	3.6 / 9.0	4.3 / 10.8	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.9 / 4.7	2.8 / 7.0	3.6 / 9.0	4.3 / 10.8	4.8 / 12.0
24'	Live Load L/240	111	120	200	236	386	576	820	1125	1498	1495	148	161	267	314	515	768	1094	1500	1997	2055
	Total Load	135	147	251	297	495	745	1053	1275	1517	1514	180	196	335	396	660	994	1404	1701	2022	2055
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.6 / 3.9	2.3 / 5.9	3.3 / 8.2	4.0 / 9.9	4.7 / 11.8	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.6 / 3.9	2.3 / 5.9	3.3 / 8.2	4.0 / 9.9	4.7 / 11.8
26'	Live Load L/240	87	95	157	185	304	453	645	885	1178	1175	116	126	210	247	405	604	860	1180	1571	1893
	Total Load	103	113	194	230	385	581	835	1083	1288	1285	138	151	259	307	513	775	1113	1443	1717	1893
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.3	2.0 / 5.0	2.8 / 7.1	3.7 / 9.2	4.4 / 10.9	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.3	2.0 / 5.0	2.8 / 7.1	3.7 / 9.2	4.4 / 10.9
28'	Live Load L/240	70	76	126	148	243	363	517	709	943	940	93	101	168	198	324	484	689	945	1258	1633
	Total Load	80	87	152	181	304	461	663	916	1106	1296	107	117	203	241	406	615	884	1222	1475	1728
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.7 / 4.3	2.4 / 6.1	3.4 / 8.4	4.0 / 10.1	4.7 / 11.8	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.7 / 4.3	2.4 / 6.1	3.4 / 8.4	4.0 / 10.1

Live Load L/240 = Maximum live load (plf) with deflection limited to L/240

Total Load = Maximum total load (plf) with deflection limited to L/180

End / Int. Bearing = Minimum end and intermediate bearing length (inches) based on bearing stress of 750 psi, as provided by direct bearing on Hem-Fir, Southern Pine, or Douglas Fir-Larch cripples or on a properly specified hanger or steel column plate.

For additional information regarding use of this table, refer to pages 37 and 51 of BlueLinX onCENTER Residential Floor & Roof Systems Specifier's Guide, Lit. Item # OCLPG.

ROOF LOAD TABLE (PLF)

2 1/2" LVL 125%

Span	Condition	One 1 1/4" onCENTER LVL						Two 1 1/4" onCENTER LVL														
		7/4"	9/4"	9 1/2"	11 1/4"	11 1/2"	14"	7/4"	9/4"	9 1/2"	11 1/4"	11 1/2"	14"	16"	18"	20"	22"	24"				
6'	Live Load L/240																					
	Total Load	954	1286	1330	1657	1782	2093	1909	2572	2660	3314	3565	4187	4185	4183	4181	4179	4177				
8'	Live Load L/240																					
	Total Load	482	640	934	1146	1225	1511	965	1280	1809	1867	2291	2450	3023	3135	3133	3131	3129	3127			
10'	Live Load L/240																					
	Total Load	247	326	556	875	933	1138	494	652	1026	1111	1750	1865	2276	2505	2503	2501	2499	2497			
11'	Live Load L/240																					
	Total Load	185	244	552	782	833	1013	371	488	771	1019	1104	1387	1631	1666	2025	2276	2274	2272	2270	2268	
12'	Live Load L/240																					
	Total Load	143	187	322	534	628	912	286	374	594	783	849	1068	1256	1467	1824	2085	2083	2081	2079	2077	
13'	Live Load L/240																					
	Total Load	112	146	253	420	494	810	225	293	467	614	665	840	988	1248	1659	1923	1921	1920	1918	1916	
14'	Live Load L/240																					
	Total Load	90	116	202	336	396	648	180	233	374	490	531	673	791	1296	1448	1778	1783	1781	1779	1777	
15'	Live Load L/240																					
	Total Load	73	94	164	273	322	527	146	188	304	397	430	547	643	846	1054	1573	1604	1663	1661	1659	1657
16'	Live Load L/240																					
	Total Load	60	77	135	225	265	434	120	154	250	325	353	451	530	695	868	1296	1408	1558	1556	1554	1552
17'	Live Load L/240																					
	Total Load	50	63	113	188	221	362	100	127	209	270	293	376	442	578	724	1081	1245	1465	1463	1461	1460
18'	Live Load L/240																					
	Total Load	42	53	88	158	186	305	84	106	176	226	245	316	372	485	610	910	1109	1373	1381	1379	1377
19'	Live Load L/240																					
	Total Load	74	95	103	134	158	259	72	89	149	191	207	269	316	411	519	774	994	1230	1307	1305	1304
20'	Live Load L/240																					
	Total Load	64	81	88	115	135	222	61	75	128	162	176	231	271	351	445	664	870	945	1108	1241	1239
22'	Live Load L/240																					
	Total Load	48	60	65	86	102	167	46	55	96	120	130	173	204	261	334	499	650	913	1105	1125	1123
24'	Live Load L/240																					
	Total Load	37	45	49	66	78	128	74	90	80	98	133	157	198	257	384	547	712	926	1108	1239	1237
26'	Live Load L/240																					
	Total Load				52	61	101	58	69	63	75	105	123	202	302	430	590	768	935	1105	1239	1237
28'	Live Load L/240																					
	Total Load				42	49	81	46	53	50	58	84	99	162	242	344	472	611	785	935	1105	1239

Live Load L/240 = Maximum live load (plf) with deflection limited to L/240

Total Load = Maximum total load (plf) with deflection limited to L/180

End / Int. Bearing = Minimum end and intermediate bearing length (inches) based on bearing stress of 750 psi, as provided by direct bearing on Hem-Fir, Southern Pine, or Douglas Fir-Larch cripples or on a properly specified hanger or steel column plate.

For additional information regarding use of this table, refer to pages 37 and 51 of BlueLinX onCENTER Residential Floor & Roof Systems Specifier's Guide, Lit. Item # OCLPG.

ROOF LOAD TABLE (PLF)

2 1/2" LVL 125%

Span	Condition	Three 1 1/4" onCENTER LVL										Four 1 1/4" onCENTER LVL									
		9 1/4"	9 1/2"	11 1/4"	11 1/2"	14"	16"	18"	20"	22"	24"	9 1/4"	9 1/2"	11 1/4"	11 1/2"	14"	16"	18"	20"	22"	24"
6'	Live Load L/240																				
	Total Load	3858	3991	4972	5347	6280	6277	6274	6272	6269	6266	5144	5321	6629	7129	8373	8370	8366	8362	8358	8355
	End / Int. Bearing	2.9 / 7.4	3.1 / 7.6	3.8 / 9.5	4.1 / 10.2	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	2.9 / 7.4	3.1 / 7.6	3.8 / 9.5	4.1 / 10.2	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
8'	Live Load L/240																				
	Total Load	2714	2801	3437	3675	4534	4702	4699	4697	4694	4691	3619	3735	4583	4900	6045	6270	6266	6262	6258	6255
	End / Int. Bearing	2.8 / 6.9	2.9 / 7.1	3.5 / 8.8	3.8 / 9.4	4.6 / 11.6	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	2.8 / 6.9	2.9 / 7.1	3.5 / 8.8	3.8 / 9.4	4.6 / 11.6	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
10'	Live Load L/240																				
	Total Load	1539	1667	2624	2798	3414	3757	3754	3752	3749	3746	2052	2223	3499	3730	4552	5010	5006	5002	4998	4995
	End / Int. Bearing	2.6 / 6.4	2.7 / 6.7	3.4 / 8.4	3.6 / 8.9	4.4 / 10.9	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	2.6 / 6.4	2.7 / 6.7	3.4 / 8.4	3.6 / 8.9	4.4 / 10.9	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
11'	Live Load L/240																				
	Total Load	1156	1253	2080	2446	3038	3414	3411	3408	3405	3402	1542	1670	2773	3262	4051	4551	4548	4544	4540	4536
	End / Int. Bearing	2.2 / 5.4	2.3 / 5.8	3.3 / 8.3	3.5 / 8.8	4.3 / 10.7	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	2.2 / 5.4	2.3 / 5.8	3.3 / 8.3	3.5 / 8.8	4.3 / 10.7	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
12'	Live Load L/240																				
	Total Load	891	965	1602	1884	2200	2736	3127	3124	3122	3119	1187	1286	2136	2512	3648	4170	4166	4162	4158	4155
	End / Int. Bearing	1.8 / 4.5	2.0 / 4.9	3.1 / 7.6	3.4 / 8.4	4.2 / 10.5	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.8 / 4.5	2.0 / 4.9	3.1 / 7.6	3.4 / 8.4	4.2 / 10.5	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
13'	Live Load L/240																				
	Total Load	700	759	1260	1482	2429	2885	2882	2879	2876	2874	934	1012	1680	1976	3238	3318	3847	3843	3839	3835
	End / Int. Bearing	1.5 / 3.9	1.7 / 4.2	2.8 / 6.9	3.1 / 7.8	4.1 / 10.4	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.9	1.7 / 4.2	2.8 / 6.9	3.1 / 7.8	4.1 / 10.4	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
14'	Live Load L/240																				
	Total Load	561	608	1009	1187	1944	2667	2674	2672	2669	2666	748	810	1345	1582	2593	2896	3566	3562	3558	3555
	End / Int. Bearing	1.5 / 3.3	1.5 / 3.6	2.4 / 6.0	2.8 / 7.0	3.9 / 9.7	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.3	1.5 / 3.6	2.4 / 6.0	2.8 / 7.0	3.9 / 9.7	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
15'	Live Load L/240																				
	Total Load	456	494	820	965	1581	2360	2405	2494	2492	2489	608	659	1094	1286	2108	3146	3207	3326	3322	3318
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.1	2.1 / 5.2	2.5 / 6.1	3.6 / 9.1	4.6 / 11.6	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.1	2.1 / 5.2	2.5 / 6.1	3.6 / 9.1	4.6 / 11.6	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
16'	Live Load L/240																				
	Total Load	376	407	676	795	1303	1944	2111	2337	2334	2331	501	543	901	1060	1737	2593	2815	3116	3112	3108
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.8 / 4.6	2.2 / 5.4	3.4 / 8.5	4.3 / 10.8	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.8 / 4.6	2.2 / 5.4	3.4 / 8.5	4.3 / 10.8	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
17'	Live Load L/240																				
	Total Load	313	339	564	663	1086	1621	1868	2198	2195	2192	418	452	751	884	1448	2161	2490	2931	2927	2923
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.6 / 4.1	1.9 / 4.8	3.1 / 7.8	4.1 / 10.2	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.6 / 4.1	1.9 / 4.8	3.1 / 7.8	4.1 / 10.2	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
18'	Live Load L/240																				
	Total Load	264	286	475	558	915	1366	1944	2059	2072	2069	352	381	633	744	1220	1821	2593	2745	2762	2758
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.6	1.7 / 4.3	2.8 / 7.0	3.9 / 9.6	4.8 / 11.9	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.6	1.7 / 4.3	2.8 / 7.0	3.9 / 9.6	4.8 / 11.9	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
19'	Live Load L/240																				
	Total Load	224	243	404	475	778	1161	1653	1961	1958	1955	299	324	538	633	1037	1548	2204	2460	2615	2611
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.2	1.5 / 3.8	2.5 / 6.3	3.7 / 9.1	4.5 / 11.3	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.2	1.5 / 3.8	2.5 / 6.3	3.7 / 9.1	4.5 / 11.3	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
20'	Live Load L/240																				
	Total Load	192	208	346	407	667	996	1417	1859	1856	1856	256	278	461	543	889	1327	1890	2217	2482	2478
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.4	2.3 / 5.6	3.4 / 8.4	4.3 / 10.7	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.4	2.3 / 5.6	3.4 / 8.4	4.3 / 10.7	4.8 / 12.0	4.8 / 12.0	4.8 / 12.0
22'	Live Load L/240																				
	Total Load	144	156	260	306	501	748	1065	1461	1687	1684	193	209	347	408	668	997	1420	1948	2249	2245
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.9 / 4.7	2.8 / 7.0	3.9 / 9.7	4.7 / 11.8	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.9 / 4.7	2.8 / 7.0	3.9 / 9.7	4.7 / 11.8	4.8 / 12.0	4.8 / 12.0
24'	Live Load L/240																				
	Total Load	111	120	200	236	386	576	820	1125	1498	1541	148	161	267	314	515	768	1094	1500	1997	2055
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.6 / 3.9	2.3 / 5.9	3.3 / 8.3	4.3 / 10.8	4.8 / 12.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.6 / 3.9	2.3 / 5.9	3.3 / 8.3	4.3 / 10.8	4.8 / 12.0	4.8 / 12.0
26'	Live Load L/240																				
	Total Load	87	95	157	185	304	453	645	885	1178	1420	116	126	210	247	405	604	860	1180	1571	1893
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.3	2.0 / 5.0	2.8 / 7.1	3.9 / 9.7	4.7 / 11.8	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.3	2.0 / 5.0	2.8 / 7.1	3.9 / 9.7	4.7 / 11.8	4.8 / 12.0
28'	Live Load L/240																				
	Total Load	70	76	126	148	243	363	517	709	943	1224	93	101	168	198	324	484	689	945	1258	1633
	End / Int. Bearing	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.7 / 4.3	2.4 / 6.1	3.4 / 8.4	4.4 / 11.0	4.8 / 12.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.5 / 3.0	1.7 / 4.3	2.4 / 6.1	3.4 / 8.4	4.4 / 11.0	4.8 / 12.0

Live Load L/240 = Maximum live load (plf) with deflection limited to L/240

Total Load = Maximum total load (plf) with deflection limited to L/180

End / Int. Bearing = Minimum end and intermediate bearing length (inches) based on bearing stress of 750 psi, as provided by direct bearing on Hem-Fir, Southern Pine, or Douglas Fir-Larch cripples or on a properly specified hanger or steel column plate.

For additional information regarding use of this table, refer to pages 37 and 51 of BlueLinX onCENTER Residential Floor & Roof Systems Specifier's Guide, Lit. Item # OCLPG.