

SAWN LUMBER BEAMS-ROOF

Douglas Fir Larch No. 2 for 4x members

Douglas Fir Larch No. 1 for 6x members

| SPAN (ft) | 4x6 | 4x8 | 4x10 | 4x12 | 6x6 | 6x8 | 6x10 | 6x12 | |
|--------------|-------------------------|-----|------|------|-------------------------|------|------|------|------|
| | DFL - #2 for 4x members | | | | DFL - #1 for 6x members | | | | |
| 4 | | 753 | 992 | 1267 | 1318 | 1187 | 1619 | 2050 | 2482 |
| 5 | | 601 | 792 | 1010 | 1051 | 799 | 1292 | 1637 | 1981 |
| 6 | | 456 | 658 | 839 | 873 | 552 | 1030 | 1361 | 1647 |
| 7 | | 332 | 562 | 717 | 745 | 403 | 753 | 1164 | 1409 |
| 8 | | 252 | 442 | 626 | 650 | 306 | 573 | 925 | 1230 |
| 9 | | 180 | 347 | 524 | 576 | 240 | 450 | 727 | 1069 |
| 10 | | 129 | 279 | 422 | 490 | 192 | 362 | 585 | 862 |
| 11 | | 95 | 226 | 346 | 401 | 153 | 297 | 481 | 709 |
| 12 | | 71 | 171 | 288 | 334 | 116 | 247 | 401 | 592 |
| 13 | | 54 | 132 | 243 | 282 | 89 | 208 | 339 | 501 |
| 14 | | | 103 | 208 | 241 | 69 | 178 | 290 | 429 |
| 15 | | | 82 | 179 | 208 | 54 | 149 | 250 | 371 |
| 16 | | | 65 | 145 | 180 | | 120 | 218 | 323 |
| 17 | | | 52 | 119 | 158 | | 98 | 191 | 284 |
| 18 | | | | 98 | 139 | | 80 | 168 | 251 |
| 19 | | | | 81 | 123 | | 66 | 145 | 223 |
| 20 | | | | 67 | 109 | | 55 | 122 | 199 |
| 21 | | | | 56 | 91 | | | 103 | 178 |

BUILT-UP BEAMS-ROOF

Douglas Fir Larch No. 2

Superimposed load excluding beam weight

| SPAN (ft) | 2-2x6 | 2-2x8 | 2-2x10 | 2-2x12 | 3-2x6 | 3-2x8 | 3-2x10 | 3-2x12 | |
|-----------|-------|-------|--------|--------|-------|-------|--------|--------|------|
| 4 | | 832 | 1214 | 1762 | 2485 | 1251 | 1823 | 2646 | 3727 |
| 4.5 | | 693 | 1026 | 1460 | 2006 | 1042 | 1542 | 2193 | 3009 |
| 5 | | 558 | 888 | 1245 | 1680 | 840 | 1335 | 1871 | 2520 |
| 5.5 | | 459 | 740 | 1085 | 1444 | 691 | 1113 | 1630 | 2166 |
| 6 | | 383 | 619 | 928 | 1252 | 577 | 931 | 1395 | 1878 |
| 6.5 | | 324 | 524 | 787 | 1062 | 489 | 789 | 1183 | 1593 |
| 7 | | 278 | 449 | 675 | 912 | 419 | 677 | 1015 | 1368 |
| 7.5 | | 240 | 389 | 585 | 790 | 362 | 586 | 880 | 1185 |
| 8 | | 209 | 339 | 511 | 691 | 316 | 512 | 769 | 1036 |
| 9 | | 147 | 264 | 399 | 540 | 223 | 399 | 600 | 809 |
| 10 | | 103 | 210 | 318 | 431 | 157 | 318 | 480 | 647 |
| 11 | | 74 | 170 | 259 | 351 | 113 | 258 | 390 | 527 |
| 12 | | 53 | 137 | 213 | 290 | 83 | 208 | 322 | 436 |
| 13 | | | 103 | 178 | 243 | 61 | 158 | 270 | 365 |
| 14 | | | 79 | 150 | 205 | | 121 | 228 | 308 |
| 15 | | | 60 | 128 | 175 | | 93 | 194 | 263 |
| 16 | | | | 109 | 150 | | 72 | 166 | 225 |
| 17 | | | | 90 | 130 | | 56 | 137 | 194 |
| 18 | | | | 72 | 112 | | | 110 | 169 |
| 19 | | | | 57 | 98 | | | 88 | 147 |
| 20 | | | | | 85 | | | 71 | 128 |