

**1-Ply, 1.5" 2.1E true RigidLam LVL @ 100% Floor (PLF)**
**L/360 LL L/240 TL**
**Douglas-fir**
**ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)**

| Span (ft) | Depth | 4.375"  | 5.5"    | 7.25"     | 9.25"     | 9.5"      | 11.25"    | 11.875"   | 14" | 16" | 18" | 20" | 22" | 24" |
|-----------|-------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----|-----|-----|-----|-----|-----|
| 6         | LL    | 143     | 275     | 594       | -         | -         | -         | -         |     |     |     |     |     |     |
|           | TL    | 212     | 410     | 665       | 897       | 928       | 1156      | 1243      |     |     |     |     |     |     |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.8 / 4.5 | 2.4 / 6   | 2.5 / 6.2 | 3.1 / 7.7 | 3.3 / 8.3 |     |     |     |     |     |     |
| 8         | LL    | 62      | 120     | 266       | 526       | 566       | -         | -         |     |     |     |     |     |     |
|           | TL    | 91      | 178     | 396       | 631       | 651       | 799       | 854       |     |     |     |     |     |     |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.5 | 2.3 / 5.6 | 2.3 / 5.8 | 2.9 / 7.1 | 3.1 / 7.6 |     |     |     |     |     |     |
| 10        | LL    |         | 63      | 140       | 282       | 304       | 488       | 566       |     |     |     |     |     |     |
|           | TL    |         | 92      | 208       | 419       | 452       | 610       | 650       |     |     |     |     |     |     |
|           | BRG   |         | 1.5 / 3 | 1.5 / 3   | 1.9 / 4.7 | 2 / 5.1   | 2.7 / 6.8 | 2.9 / 7.3 |     |     |     |     |     |     |
| 12        | LL    |         | 37      | 83        | 168       | 181       | 293       | 341       |     |     |     |     |     |     |
|           | TL    |         | 53      | 121       | 248       | 268       | 435       | 502       |     |     |     |     |     |     |
|           | BRG   |         | 1.5 / 3 | 1.5 / 3   | 1.5 / 3.4 | 1.5 / 3.6 | 2.3 / 5.9 | 2.7 / 6.8 |     |     |     |     |     |     |
| 14        | LL    |         |         | 53        | 107       | 116       | 189       | 220       |     |     |     |     |     |     |
|           | TL    |         |         | 76        | 157       | 170       | 279       | 326       |     |     |     |     |     |     |
|           | BRG   |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.8 / 4.4 | 2.1 / 5.1 |     |     |     |     |     |     |
| 16        | LL    |         |         | 35        | 73        | 78        | 128       | 150       |     |     |     |     |     |     |
|           | TL    |         |         | 50        | 105       | 114       | 188       | 221       |     |     |     |     |     |     |
|           | BRG   |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.4 | 1.6 / 4   |     |     |     |     |     |     |
| 18        | LL    |         |         |           | 51        | 56        | 91        | 107       |     |     |     |     |     |     |
|           | TL    |         |         |           | 73        | 80        | 132       | 155       |     |     |     |     |     |     |
|           | BRG   |         |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.2 |     |     |     |     |     |     |
| 20        | LL    |         |         |           | 38        | 41        | 67        | 78        |     |     |     |     |     |     |
|           | TL    |         |         |           | 53        | 57        | 96        | 113       |     |     |     |     |     |     |
|           | BRG   |         |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   |     |     |     |     |     |     |
| 22        | LL    |         |         |           |           |           | 51        | 59        |     |     |     |     |     |     |
|           | TL    |         |         |           |           |           | 71        | 84        |     |     |     |     |     |     |
|           | BRG   |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   |     |     |     |     |     |     |
| 24        | LL    |         |         |           |           |           | 39        | 46        |     |     |     |     |     |     |
|           | TL    |         |         |           |           |           | 54        | 64        |     |     |     |     |     |     |
|           | BRG   |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   |     |     |     |     |     |     |
| 26        | LL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |         |           |           |           |           |           |     |     |     |     |     |     |
| 28        | LL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |         |           |           |           |           |           |     |     |     |     |     |     |
| 30        | LL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |         |           |           |           |           |           |     |     |     |     |     |     |
| 32        | LL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |         |           |           |           |           |           |     |     |     |     |     |     |
| 34        | LL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |         |           |           |           |           |           |     |     |     |     |     |     |
| 36        | LL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |         |           |           |           |           |           |     |     |     |     |     |     |
| 38        | LL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |         |           |           |           |           |           |     |     |     |     |     |     |
| 40        | LL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |         |           |           |           |           |           |     |     |     |     |     |     |
| 42        | LL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |         |           |           |           |           |           |     |     |     |     |     |     |
| 44        | LL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |         |           |           |           |           |           |     |     |     |     |     |     |
| 46        | LL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |         |           |           |           |           |           |     |     |     |     |     |     |
| 48        | LL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |         |           |           |           |           |           |     |     |     |     |     |     |
| 50        | LL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |         |           |           |           |           |           |     |     |     |     |     |     |
| 52        | LL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |         |           |           |           |           |           |     |     |     |     |     |     |
| 54        | LL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |         |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |         |           |           |           |           |           |     |     |     |     |     |     |

The PLF load values in this table are based upon the LVL member having lateral bracing at 16" o.c. or less along its entire length.

1-1/2" LVL members 14" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.

BRG = End / Interior = Required bearing length (inches), based on bearing stress of 750 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.

Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.

**2-Ply, 1.5" 2.1E true RigidLam LVL @ 100% Floor (PLF)**
**L/360 LL L/240 TL**
**Douglas-fir**
**ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)**

| Span (ft) | Depth | 4.375"  | 5.5"    | 7.25"     | 9.25"     | 9.5"      | 11.25"    | 11.875"   | 14"        | 16"        | 18"        | 20"        | 22"        | 24"         |
|-----------|-------|---------|---------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|-------------|
| 6         | LL    | 285     | 550     | 1187      | -         | -         | -         | -         | -          | -          | -          | -          | -          | -           |
|           | TL    | 425     | 820     | 1331      | 1794      | 1855      | 2311      | 2486      | 3132       | 3827       | 4626       | 5552       | 6640       | 7935        |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.8 / 4.5 | 2.4 / 6   | 2.5 / 6.2 | 3.1 / 7.7 | 3.3 / 8.3 | 4.2 / 10.5 | 5.1 / 12.8 | 6.2 / 15.5 | 7.4 / 18.6 | 8.9 / 22.2 | 10.6 / 26.5 |
| 8         | LL    | 123     | 241     | 532       | 1052      | 1132      | -         | -         | -          | -          | -          | -          | -          | -           |
|           | TL    | 181     | 357     | 793       | 1261      | 1302      | 1597      | 1708      | 2107       | 2518       | 2969       | 3464       | 4012       | 4621        |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.5 | 2.3 / 5.6 | 2.3 / 5.8 | 2.9 / 7.1 | 3.1 / 7.6 | 3.8 / 9.4  | 4.5 / 11.2 | 5.3 / 13.3 | 6.2 / 15.5 | 7.2 / 17.9 | 8.2 / 20.6  |
| 10        | LL    | 64      | 125     | 281       | 564       | 608       | 976       | 1132      | -          | -          | -          | -          | -          | -           |
|           | TL    | 92      | 184     | 415       | 839       | 905       | 1219      | 1300      | 1586       | 1875       | 2184       | 2515       | 2872       | 3256        |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3   | 1.9 / 4.7 | 2 / 5.1   | 2.7 / 6.8 | 2.9 / 7.3 | 3.5 / 8.9  | 4.2 / 10.5 | 4.9 / 12.2 | 5.6 / 14.1 | 6.4 / 16.1 | 7.3 / 18.2  |
| 12        | LL    | 37      | 73      | 165       | 335       | 362       | 586       | 682       | 1079       | -          | -          | -          | -          | -           |
|           | TL    | 52      | 106     | 242       | 495       | 535       | 870       | 1004      | 1271       | 1492       | 1726       | 1973       | 2234       | 2512        |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3   | 1.5 / 3.4 | 1.5 / 3.6 | 2.3 / 5.9 | 2.7 / 6.8 | 3.4 / 8.5  | 4 / 10     | 4.6 / 11.6 | 5.3 / 13.3 | 6 / 15     | 6.7 / 16.9  |
| 14        | LL    |         | 46      | 105       | 214       | 232       | 378       | 441       | 703        | 1019       | 1405       | -          | -          | -           |
|           | TL    |         | 65      | 152       | 314       | 340       | 557       | 652       | 1003       | 1239       | 1426       | 1622       | 1827       | 2043        |
|           | BRG   |         | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.8 / 4.4 | 2.1 / 5.1 | 3.2 / 7.9  | 3.9 / 9.7  | 4.5 / 11.2 | 5.1 / 12.7 | 5.7 / 14.3 | 6.4 / 16    |
| 16        | LL    |         |         | 71        | 145       | 157       | 257       | 300       | 482        | 703        | 976        | 1302       | -          | -           |
|           | TL    |         |         | 100       | 210       | 228       | 376       | 441       | 711        | 984        | 1214       | 1376       | 1545       | 1721        |
|           | BRG   |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.4 | 1.6 / 4   | 2.6 / 6.4  | 3.5 / 8.9  | 4.4 / 10.9 | 4.9 / 12.4 | 5.6 / 13.9 | 6.2 / 15.5  |
| 18        | LL    |         |         | 50        | 103       | 111       | 182       | 213       | 344        | 504        | 703        | 943        | 1225       | -           |
|           | TL    |         |         | 69        | 147       | 159       | 265       | 311       | 505        | 743        | 968        | 1181       | 1338       | 1486        |
|           | BRG   |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.2 | 2.1 / 5.2  | 3 / 7.6    | 3.9 / 9.8  | 4.8 / 12   | 5.4 / 13.6 | 6 / 15      |
| 20        | LL    |         |         |           | 75        | 81        | 134       | 157       | 254        | 373        | 522        | 703        | 917        | 1165        |
|           | TL    |         |         |           | 106       | 115       | 192       | 226       | 369        | 546        | 769        | 954        | 1142       | 1307        |
|           | BRG   |         |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.7 / 4.2  | 2.5 / 6.2  | 3.5 / 8.7  | 4.3 / 10.8 | 5.2 / 12.9 | 5.9 / 14.7  |
| 22        | LL    |         |         |           | 57        | 61        | 101       | 119       | 192        | 283        | 398        | 537        | 703        | 896         |
|           | TL    |         |         |           | 78        | 85        | 143       | 169       | 277        | 412        | 582        | 785        | 941        | 1109        |
|           | BRG   |         |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.5  | 2.1 / 5.2  | 2.9 / 7.3  | 3.9 / 9.8  | 4.7 / 11.7 | 5.5 / 13.8  |
| 24        | LL    |         |         |           | 44        | 47        | 78        | 92        | 149        | 220        | 310        | 419        | 550        | 703         |
|           | TL    |         |         |           | 58        | 64        | 109       | 128       | 212        | 317        | 450        | 613        | 788        | 929         |
|           | BRG   |         |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.8 / 4.4  | 2.5 / 6.2  | 3.4 / 8.4  | 4.3 / 10.7 | 5.1 / 12.6  |
| 26        | LL    |         |         |           |           |           | 62        | 72        | 118        | 174        | 246        | 333        | 438        | 561         |
|           | TL    |         |         |           |           |           | 84        | 99        | 166        | 249        | 354        | 484        | 639        | 788         |
|           | BRG   |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3.8  | 2.1 / 5.3  | 2.9 / 7.2  | 3.8 / 9.5  | 4.7 / 11.7  |
| 28        | LL    |         |         |           |           |           | 50        | 58        | 95         | 140        | 198        | 269        | 354        | 454         |
|           | TL    |         |         |           |           |           | 65        | 78        | 131        | 198        | 283        | 387        | 514        | 662         |
|           | BRG   |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3.3  | 1.8 / 4.6  | 2.5 / 6.3  | 3.3 / 8.3  | 4.2 / 10.6  |
| 30        | LL    |         |         |           |           |           | 40        | 47        | 77         | 115        | 162        | 220        | 290        | 373         |
|           | TL    |         |         |           |           |           | 52        | 62        | 105        | 159        | 228        | 314        | 418        | 540         |
|           | BRG   |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.6 / 4    | 2.2 / 5.5  | 2.9 / 7.3  | 3.7 / 9.3   |
| 32        | LL    |         |         |           |           |           |           |           | 64         | 95         | 134        | 182        | 241        | 310         |
|           | TL    |         |         |           |           |           |           |           | 85         | 129        | 187        | 258        | 343        | 445         |
|           | BRG   |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.6  | 1.9 / 4.9  | 2.6 / 6.4  | 3.3 / 8.3   |
| 34        | LL    |         |         |           |           |           |           |           | 53         | 79         | 112        | 153        | 202        | 260         |
|           | TL    |         |         |           |           |           |           |           | 69         | 106        | 154        | 213        | 285        | 371         |
|           | BRG   |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.2  | 1.7 / 4.3  | 2.3 / 5.7  | 2.9 / 7.4   |
| 36        | LL    |         |         |           |           |           |           |           | 45         | 67         | 95         | 129        | 171        | 220         |
|           | TL    |         |         |           |           |           |           |           | 56         | 88         | 128        | 178        | 239        | 311         |
|           | BRG   |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.9  | 2 / 5.1    | 2.6 / 6.6   |
| 38        | LL    |         |         |           |           |           |           |           |            | 57         | 81         | 110        | 146        | 188         |
|           | TL    |         |         |           |           |           |           |           |            | 73         | 107        | 149        | 201        | 263         |
|           | BRG   |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5  | 1.8 / 4.6  | 2.4 / 6     |
| 40        | LL    |         |         |           |           |           |           |           |            | 49         | 69         | 95         | 125        | 162         |
|           | TL    |         |         |           |           |           |           |           |            | 61         | 90         | 126        | 171        | 224         |
|           | BRG   |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.2  | 1.7 / 4.2  | 2.2 / 5.4   |
| 42        | LL    |         |         |           |           |           |           |           |            | 42         | 60         | 82         | 109        | 140         |
|           | TL    |         |         |           |           |           |           |           |            | 51         | 76         | 107        | 145        | 191         |
|           | BRG   |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8  | 2 / 4.9     |
| 44        | LL    |         |         |           |           |           |           |           |            |            | 52         | 71         | 95         | 122         |
|           | TL    |         |         |           |           |           |           |           |            |            | 64         | 91         | 125        | 165         |
|           | BRG   |         |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5  | 1.8 / 4.5   |
| 46        | LL    |         |         |           |           |           |           |           |            |            | 46         | 63         | 83         | 107         |
|           | TL    |         |         |           |           |           |           |           |            |            | 55         | 78         | 107        | 142         |
|           | BRG   |         |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.2  | 1.6 / 4.1   |
| 48        | LL    |         |         |           |           |           |           |           |            |            |            | 55         | 73         | 95          |
|           | TL    |         |         |           |           |           |           |           |            |            |            | 67         | 92         | 123         |
|           | BRG   |         |         |           |           |           |           |           |            |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8   |
| 50        | LL    |         |         |           |           |           |           |           |            |            |            | 49         | 65         | 84          |
|           | TL    |         |         |           |           |           |           |           |            |            |            | 58         | 80         | 107         |
|           | BRG   |         |         |           |           |           |           |           |            |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5   |
| 52        | LL    |         |         |           |           |           |           |           |            |            |            |            | 58         | 75          |
|           | TL    |         |         |           |           |           |           |           |            |            |            |            | 69         | 93          |
|           | BRG   |         |         |           |           |           |           |           |            |            |            |            | 1.5 / 3    | 1.5 / 3.2   |
| 54        | LL    |         |         |           |           |           |           |           |            |            |            |            | 52         | 67          |
|           | TL    |         |         |           |           |           |           |           |            |            |            |            | 60         | 81          |
|           | BRG   |         |         |           |           |           |           |           |            |            |            |            | 1.5 / 3    | 1.5 / 3     |

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.

1-1/2" LVL members 14" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.

BRG = End / Interior = Required bearing length (inches), based on bearing stress of 750 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

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Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.

Nov. 2020

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**L/360 LL L/240 TL**
**Douglas-fir**
**ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)**

| Span (ft) | Depth | 4.375"  | 5.5"    | 7.25"   | 9.25"     | 9.5"      | 11.25"    | 11.875"   | 14"       | 16"        | 18"        | 20"        | 22"        | 24"        |
|-----------|-------|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|
| 10        | LL    | 96      | 188     | 421     | 846       | 912       | 1464      | 1698      | -         | -          | -          | -          | -          | -          |
|           | TL    | 138     | 276     | 623     | 1258      | 1357      | 1829      | 1950      | 2379      | 2812       | 3275       | 3773       | 4307       | 4884       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.9 / 4.7 | 2 / 5.1   | 2.7 / 6.8 | 2.9 / 7.3 | 3.5 / 8.9 | 4.2 / 10.5 | 4.9 / 12.2 | 5.6 / 14.1 | 6.4 / 16.1 | 7.3 / 18.2 |
| 12        | LL    | 56      | 110     | 248     | 503       | 543       | 879       | 1024      | 1618      | -          | -          | -          | -          | -          |
|           | TL    | 78      | 158     | 363     | 743       | 803       | 1305      | 1506      | 1907      | 2238       | 2589       | 2959       | 3352       | 3768       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.4 | 1.5 / 3.6 | 2.3 / 5.9 | 2.7 / 6.8 | 3.4 / 8.5 | 4 / 10     | 4.6 / 11.6 | 5.3 / 13.3 | 6 / 15     | 6.7 / 16.9 |
| 14        | LL    |         | 70      | 158     | 322       | 347       | 566       | 661       | 1054      | 1529       | 2108       | -          | -          | -          |
|           | TL    |         | 98      | 228     | 471       | 510       | 836       | 978       | 1504      | 1858       | 2139       | 2433       | 2741       | 3065       |
|           | BRG   |         | 1.5 / 3 | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.8 / 4.4 | 2.1 / 5.1 | 3.2 / 7.9 | 3.9 / 9.7  | 4.5 / 11.2 | 5.1 / 12.7 | 5.7 / 14.3 | 6.4 / 16   |
| 16        | LL    |         | 47      | 106     | 218       | 235       | 385       | 450       | 723       | 1054       | 1464       | 1953       | -          | -          |
|           | TL    |         | 64      | 151     | 316       | 342       | 564       | 662       | 1067      | 1476       | 1821       | 2064       | 2318       | 2582       |
|           | BRG   |         | 1.5 / 3 | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.4 | 1.6 / 4   | 2.6 / 6.4 | 3.5 / 8.9  | 4.4 / 10.9 | 4.9 / 12.4 | 5.6 / 13.9 | 6.2 / 15.5 |
| 18        | LL    |         |         | 75      | 154       | 167       | 273       | 320       | 516       | 756        | 1054       | 1414       | 1837       | -          |
|           | TL    |         |         | 104     | 220       | 239       | 397       | 466       | 757       | 1115       | 1452       | 1771       | 2006       | 2229       |
|           | BRG   |         |         | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.2 | 2.1 / 5.2 | 3 / 7.6    | 3.9 / 9.8  | 4.8 / 12   | 5.4 / 13.6 | 6 / 15     |
| 20        | LL    |         |         | 55      | 113       | 122       | 201       | 235       | 380       | 559        | 783        | 1054       | 1375       | 1748       |
|           | TL    |         |         | 74      | 158       | 172       | 288       | 339       | 554       | 820        | 1153       | 1430       | 1713       | 1960       |
|           | BRG   |         |         | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.7 / 4.2 | 2.5 / 6.2  | 3.5 / 8.7  | 4.3 / 10.8 | 5.2 / 12.9 | 5.9 / 14.7 |
| 22        | LL    |         |         | 41      | 85        | 92        | 152       | 178       | 288       | 425        | 596        | 806        | 1054       | 1344       |
|           | TL    |         |         | 53      | 117       | 127       | 214       | 253       | 416       | 618        | 873        | 1178       | 1411       | 1663       |
|           | BRG   |         |         | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.5 | 2.1 / 5.2  | 2.9 / 7.3  | 3.9 / 9.8  | 4.7 / 11.7 | 5.5 / 13.8 |
| 24        | LL    |         |         |         | 66        | 71        | 117       | 138       | 223       | 330        | 464        | 629        | 825        | 1054       |
|           | TL    |         |         |         | 88        | 95        | 163       | 192       | 319       | 476        | 675        | 919        | 1181       | 1393       |
|           | BRG   |         |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.8 / 4.4  | 2.5 / 6.2  | 3.4 / 8.4  | 4.3 / 10.7 | 5.1 / 12.6 |
| 26        | LL    |         |         |         | 52        | 56        | 93        | 109       | 177       | 261        | 368        | 500        | 657        | 841        |
|           | TL    |         |         |         | 67        | 73        | 126       | 149       | 248       | 373        | 531        | 726        | 959        | 1183       |
|           | BRG   |         |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.8  | 2.1 / 5.3  | 2.9 / 7.2  | 3.8 / 9.5  | 4.7 / 11.7 |
| 28        | LL    |         |         |         | 42        | 45        | 74        | 87        | 142       | 210        | 297        | 403        | 531        | 681        |
|           | TL    |         |         |         | 51        | 56        | 98        | 117       | 196       | 297        | 424        | 581        | 770        | 993        |
|           | BRG   |         |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.3  | 1.8 / 4.6  | 2.5 / 6.3  | 3.3 / 8.3  | 4.2 / 10.6 |
| 30        | LL    |         |         |         |           |           | 61        | 71        | 116       | 172        | 243        | 330        | 435        | 559        |
|           | TL    |         |         |         |           |           | 78        | 93        | 157       | 239        | 343        | 471        | 627        | 810        |
|           | BRG   |         |         |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.6 / 4    | 2.2 / 5.5  | 2.9 / 7.3  | 3.7 / 9.3  |
| 32        | LL    |         |         |         |           |           | 50        | 59        | 96        | 142        | 201        | 273        | 361        | 464        |
|           | TL    |         |         |         |           |           | 62        | 74        | 127       | 194        | 280        | 386        | 515        | 668        |
|           | BRG   |         |         |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3.6  | 1.9 / 4.9  | 2.6 / 6.4  | 3.3 / 8.3  |
| 34        | LL    |         |         |         |           |           |           | 49        | 80        | 119        | 168        | 229        | 303        | 390        |
|           | TL    |         |         |         |           |           |           | 60        | 103       | 159        | 231        | 320        | 428        | 556        |
|           | BRG   |         |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3.2  | 1.7 / 4.3  | 2.3 / 5.7  | 2.9 / 7.4  |
| 36        | LL    |         |         |         |           |           |           |           | 68        | 100        | 142        | 194        | 256        | 330        |
|           | TL    |         |         |         |           |           |           |           | 85        | 131        | 192        | 267        | 358        | 467        |
|           | BRG   |         |         |         |           |           |           |           | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.9  | 2 / 5.1    | 2.6 / 6.6  |
| 38        | LL    |         |         |         |           |           |           |           | 58        | 85         | 121        | 165        | 219        | 282        |
|           | TL    |         |         |         |           |           |           |           | 70        | 109        | 160        | 224        | 302        | 394        |
|           | BRG   |         |         |         |           |           |           |           | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5  | 1.8 / 4.6  | 2.4 / 6    |
| 40        | LL    |         |         |         |           |           |           |           | 49        | 73         | 104        | 142        | 188        | 243        |
|           | TL    |         |         |         |           |           |           |           | 57        | 91         | 135        | 189        | 256        | 336        |
|           | BRG   |         |         |         |           |           |           |           | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.2  | 1.7 / 4.2  | 2.2 / 5.4  |
| 42        | LL    |         |         |         |           |           |           |           |           | 64         | 90         | 123        | 163        | 210        |
|           | TL    |         |         |         |           |           |           |           |           | 76         | 114        | 161        | 218        | 287        |
|           | BRG   |         |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8  | 2 / 4.9    |
| 44        | LL    |         |         |         |           |           |           |           |           | 55         | 78         | 107        | 142        | 184        |
|           | TL    |         |         |         |           |           |           |           |           | 64         | 96         | 137        | 187        | 247        |
|           | BRG   |         |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5  | 1.8 / 4.5  |
| 46        | LL    |         |         |         |           |           |           |           |           | 48         | 69         | 94         | 125        | 161        |
|           | TL    |         |         |         |           |           |           |           |           | 54         | 82         | 117        | 161        | 213        |
|           | BRG   |         |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.2  | 1.6 / 4.1  |
| 48        | LL    |         |         |         |           |           |           |           |           |            | 61         | 83         | 110        | 142        |
|           | TL    |         |         |         |           |           |           |           |           |            | 70         | 101        | 139        | 185        |
|           | BRG   |         |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8  |
| 50        | LL    |         |         |         |           |           |           |           |           |            | 54         | 73         | 97         | 126        |
|           | TL    |         |         |         |           |           |           |           |           |            | 59         | 86         | 120        | 160        |
|           | BRG   |         |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5  |
| 52        | LL    |         |         |         |           |           |           |           |           |            | 48         | 65         | 87         | 112        |
|           | TL    |         |         |         |           |           |           |           |           |            | 50         | 74         | 104        | 140        |
|           | BRG   |         |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.2  |
| 54        | LL    |         |         |         |           |           |           |           |           |            |            | 58         | 78         | 100        |
|           | TL    |         |         |         |           |           |           |           |           |            |            | 64         | 90         | 122        |
|           | BRG   |         |         |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    |
| 56        | LL    |         |         |         |           |           |           |           |           |            |            | 52         | 70         | 90         |
|           | TL    |         |         |         |           |           |           |           |           |            |            | 55         | 78         | 107        |
|           | BRG   |         |         |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    |
| 58        | LL    |         |         |         |           |           |           |           |           |            |            |            | 63         | 81         |
|           | TL    |         |         |         |           |           |           |           |           |            |            |            | 68         | 93         |
|           | BRG   |         |         |         |           |           |           |           |           |            |            |            | 1.5 / 3    | 1.5 / 3    |

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.

1-1/2" LVL members 14" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.

BRG = End / Interior = Required bearing length (inches), based on bearing stress of 750 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.

Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.

Nov. 2020

**4-Ply, 1.5" 2.1E true RigidLam LVL @ 100% Floor (PLF)**
**L/360 LL L/240 TL**
**Douglas-fir**
**ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)**

| Span (ft) | Depth | 4.375"  | 5.5"    | 7.25"   | 9.25"     | 9.5"      | 11.25"    | 11.875"   | 14"       | 16"        | 18"        | 20"        | 22"        | 24"        |
|-----------|-------|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|
| 10        | LL    | 128     | 251     | 561     | 1128      | 1217      | 1951      | 2264      | -         | -          | -          | -          | -          | -          |
|           | TL    | 185     | 367     | 830     | 1678      | 1810      | 2439      | 2600      | 3173      | 3750       | 4367       | 5030       | 5743       | 6513       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.9 / 4.7 | 2 / 5.1   | 2.7 / 6.8 | 2.9 / 7.3 | 3.5 / 8.9 | 4.2 / 10.5 | 4.9 / 12.2 | 5.6 / 14.1 | 6.4 / 16.1 | 7.3 / 18.2 |
| 12        | LL    | 74      | 146     | 330     | 670       | 723       | 1172      | 1365      | 2157      | -          | -          | -          | -          | -          |
|           | TL    | 105     | 211     | 484     | 990       | 1070      | 1740      | 2008      | 2542      | 2984       | 3452       | 3945       | 4469       | 5024       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.4 | 1.5 / 3.6 | 2.3 / 5.9 | 2.7 / 6.8 | 3.4 / 8.5 | 4 / 10     | 4.6 / 11.6 | 5.3 / 13.3 | 6 / 15     | 6.7 / 16.9 |
| 14        | LL    | 47      | 93      | 210     | 429       | 463       | 755       | 882       | 1406      | 2038       | 2811       | -          | -          | -          |
|           | TL    | 64      | 130     | 304     | 628       | 680       | 1115      | 1304      | 2005      | 2477       | 2852       | 3244       | 3655       | 4086       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.8 / 4.4 | 2.1 / 5.1 | 3.2 / 7.9 | 3.9 / 9.7  | 4.5 / 11.2 | 5.1 / 12.7 | 5.7 / 14.3 | 6.4 / 16   |
| 16        | LL    |         | 62      | 142     | 290       | 314       | 514       | 601       | 963       | 1406       | 1951       | 2604       | -          | -          |
|           | TL    |         | 85      | 201     | 421       | 456       | 753       | 882       | 1423      | 1968       | 2428       | 2752       | 3090       | 3442       |
|           | BRG   |         | 1.5 / 3 | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.4 | 1.6 / 4   | 2.6 / 6.4 | 3.5 / 8.9  | 4.4 / 10.9 | 4.9 / 12.4 | 5.6 / 13.9 | 6.2 / 15.5 |
| 18        | LL    |         | 44      | 100     | 205       | 222       | 365       | 427       | 688       | 1008       | 1406       | 1886       | 2450       | -          |
|           | TL    |         | 57      | 138     | 293       | 318       | 529       | 621       | 1009      | 1486       | 1936       | 2362       | 2675       | 2972       |
|           | BRG   |         | 1.5 / 3 | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.2 | 2.1 / 5.2 | 3 / 7.6    | 3.9 / 9.8  | 4.8 / 12   | 5.4 / 13.6 | 6 / 15     |
| 20        | LL    |         |         | 73      | 150       | 163       | 268       | 314       | 507       | 746        | 1044       | 1406       | 1834       | 2330       |
|           | TL    |         |         | 98      | 211       | 229       | 384       | 452       | 738       | 1093       | 1537       | 1907       | 2283       | 2613       |
|           | BRG   |         |         | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.7 / 4.2 | 2.5 / 6.2  | 3.5 / 8.7  | 4.3 / 10.8 | 5.2 / 12.9 | 5.9 / 14.7 |
| 22        | LL    |         |         | 55      | 113       | 123       | 202       | 237       | 384       | 566        | 795        | 1074       | 1406       | 1792       |
|           | TL    |         |         | 71      | 156       | 169       | 286       | 337       | 554       | 824        | 1164       | 1571       | 1881       | 2217       |
|           | BRG   |         |         | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.5 | 2.1 / 5.2  | 2.9 / 7.3  | 3.9 / 9.8  | 4.7 / 11.7 | 5.5 / 13.8 |
| 24        | LL    |         |         | 42      | 88        | 95        | 157       | 184       | 298       | 440        | 619        | 838        | 1100       | 1406       |
|           | TL    |         |         | 52      | 117       | 127       | 217       | 257       | 425       | 635        | 900        | 1226       | 1575       | 1857       |
|           | BRG   |         |         | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.8 / 4.4  | 2.5 / 6.2  | 3.4 / 8.4  | 4.3 / 10.7 | 5.1 / 12.6 |
| 26        | LL    |         |         |         | 69        | 75        | 124       | 145       | 236       | 348        | 491        | 666        | 876        | 1122       |
|           | TL    |         |         |         | 89        | 97        | 168       | 199       | 331       | 497        | 708        | 967        | 1278       | 1577       |
|           | BRG   |         |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.8  | 2.1 / 5.3  | 2.9 / 7.2  | 3.8 / 9.5  | 4.7 / 11.7 |
| 28        | LL    |         |         |         | 55        | 60        | 99        | 116       | 189       | 280        | 396        | 538        | 708        | 908        |
|           | TL    |         |         |         | 69        | 75        | 131       | 156       | 262       | 395        | 565        | 775        | 1027       | 1325       |
|           | BRG   |         |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.3  | 1.8 / 4.6  | 2.5 / 6.3  | 3.3 / 8.3  | 4.2 / 10.6 |
| 30        | LL    |         |         |         | 45        | 49        | 81        | 95        | 155       | 229        | 324        | 440        | 580        | 746        |
|           | TL    |         |         |         | 53        | 58        | 103       | 124       | 210       | 318        | 457        | 628        | 835        | 1080       |
|           | BRG   |         |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.6 / 4    | 2.2 / 5.5  | 2.9 / 7.3  | 3.7 / 9.3  |
| 32        | LL    |         |         |         |           |           | 67        | 78        | 128       | 189        | 268        | 365        | 481        | 619        |
|           | TL    |         |         |         |           |           | 82        | 99        | 169       | 259        | 373        | 515        | 687        | 891        |
|           | BRG   |         |         |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3.6  | 1.9 / 4.9  | 2.6 / 6.4  | 3.3 / 8.3  |
| 34        | LL    |         |         |         |           |           | 56        | 65        | 107       | 158        | 224        | 305        | 403        | 520        |
|           | TL    |         |         |         |           |           | 66        | 79        | 138       | 212        | 308        | 426        | 570        | 741        |
|           | BRG   |         |         |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3.2  | 1.7 / 4.3  | 2.3 / 5.7  | 2.9 / 7.4  |
| 36        | LL    |         |         |         |           |           | 47        | 55        | 90        | 134        | 189        | 258        | 341        | 440        |
|           | TL    |         |         |         |           |           | 53        | 64        | 113       | 175        | 256        | 356        | 477        | 622        |
|           | BRG   |         |         |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.9  | 2 / 5.1    | 2.6 / 6.6  |
| 38        | LL    |         |         |         |           |           |           | 47        | 77        | 114        | 161        | 220        | 291        | 376        |
|           | TL    |         |         |         |           |           |           | 52        | 93        | 146        | 214        | 299        | 402        | 526        |
|           | BRG   |         |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5  | 1.8 / 4.6  | 2.4 / 6    |
| 40        | LL    |         |         |         |           |           |           |           | 66        | 98         | 139        | 189        | 251        | 324        |
|           | TL    |         |         |         |           |           |           |           | 77        | 121        | 180        | 252        | 341        | 447        |
|           | BRG   |         |         |         |           |           |           |           | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.2  | 1.7 / 4.2  | 2.2 / 5.4  |
| 42        | LL    |         |         |         |           |           |           |           | 57        | 85         | 120        | 164        | 217        | 280        |
|           | TL    |         |         |         |           |           |           |           | 63        | 102        | 152        | 214        | 291        | 383        |
|           | BRG   |         |         |         |           |           |           |           | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8  | 2 / 4.9    |
| 44        | LL    |         |         |         |           |           |           |           | 50        | 74         | 105        | 143        | 189        | 245        |
|           | TL    |         |         |         |           |           |           |           | 52        | 85         | 128        | 183        | 249        | 329        |
|           | BRG   |         |         |         |           |           |           |           | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5  | 1.8 / 4.5  |
| 46        | LL    |         |         |         |           |           |           |           |           | 65         | 92         | 125        | 166        | 215        |
|           | TL    |         |         |         |           |           |           |           |           | 72         | 109        | 156        | 214        | 284        |
|           | BRG   |         |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.2  | 1.6 / 4.1  |
| 48        | LL    |         |         |         |           |           |           |           |           | 57         | 81         | 110        | 146        | 189        |
|           | TL    |         |         |         |           |           |           |           |           | 60         | 93         | 134        | 185        | 246        |
|           | BRG   |         |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8  |
| 50        | LL    |         |         |         |           |           |           |           |           | 50         | 72         | 98         | 130        | 168        |
|           | TL    |         |         |         |           |           |           |           |           | 50         | 79         | 115        | 160        | 214        |
|           | BRG   |         |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5  |
| 52        | LL    |         |         |         |           |           |           |           |           |            | 64         | 87         | 116        | 150        |
|           | TL    |         |         |         |           |           |           |           |           |            | 67         | 99         | 139        | 186        |
|           | BRG   |         |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.2  |
| 54        | LL    |         |         |         |           |           |           |           |           |            | 57         | 78         | 103        | 134        |
|           | TL    |         |         |         |           |           |           |           |           |            | 57         | 85         | 120        | 163        |
|           | BRG   |         |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    |
| 56        | LL    |         |         |         |           |           |           |           |           |            |            | 70         | 93         | 120        |
|           | TL    |         |         |         |           |           |           |           |           |            |            | 73         | 104        | 142        |
|           | BRG   |         |         |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    |
| 58        | LL    |         |         |         |           |           |           |           |           |            |            | 63         | 84         | 108        |
|           | TL    |         |         |         |           |           |           |           |           |            |            | 63         | 91         | 124        |
|           | BRG   |         |         |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    |

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.

1-1/2" LVL members 14" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.

BRG = End / Interior = Required bearing length (inches), based on bearing stress of 750 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.

Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.

Nov. 2020

**1-Ply, 1.5" 2.1E true RigidLam LVL @ 115% Roof (PLF)**
**L/240 LL L/180 TL**
**Douglas-fir**
**ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)**

| Span (ft) | Depth | 4.375"  | 5.5"      | 7.25"     | 9.25"     | 9.5"      | 11.25"    | 11.875"   | 14" | 16" | 18" | 20" | 22" | 24" |
|-----------|-------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----|-----|-----|-----|-----|
| 6         | LL    | 214     | 412       | -         | -         | -         | -         | -         |     |     |     |     |     |     |
|           | TL    | 284     | 548       | 766       | 1032      | 1067      | 1330      | 1430      |     |     |     |     |     |     |
|           | BRG   | 1.5 / 3 | 1.5 / 3.7 | 2 / 5.1   | 2.8 / 6.9 | 2.9 / 7.1 | 3.6 / 8.9 | 3.8 / 9.6 |     |     |     |     |     |     |
| 8         | LL    | 92      | 180       | 399       | -         | -         | -         | -         |     |     |     |     |     |     |
|           | TL    | 122     | 238       | 517       | 726       | 749       | 919       | 983       |     |     |     |     |     |     |
|           | BRG   | 1.5 / 3 | 1.5 / 3   | 1.8 / 4.6 | 2.6 / 6.5 | 2.7 / 6.7 | 3.3 / 8.2 | 3.5 / 8.8 |     |     |     |     |     |     |
| 10        | LL    | 48      | 94        | 210       | 423       | 456       | -         | -         |     |     |     |     |     |     |
|           | TL    | 62      | 123       | 278       | 522       | 548       | 702       | 748       |     |     |     |     |     |     |
|           | BRG   | 1.5 / 3 | 1.5 / 3   | 1.5 / 3.1 | 2.3 / 5.8 | 2.5 / 6.1 | 3.1 / 7.8 | 3.3 / 8.4 |     |     |     |     |     |     |
| 12        | LL    |         | 55        | 124       | 251       | 271       | 439       | 512       |     |     |     |     |     |     |
|           | TL    |         | 71        | 162       | 331       | 358       | 522       | 578       |     |     |     |     |     |     |
|           | BRG   |         | 1.5 / 3   | 1.5 / 3   | 1.8 / 4.5 | 1.9 / 4.8 | 2.8 / 7   | 3.1 / 7.8 |     |     |     |     |     |     |
| 14        | LL    |         |           | 79        | 161       | 174       | 283       | 331       |     |     |     |     |     |     |
|           | TL    |         |           | 102       | 211       | 228       | 373       | 423       |     |     |     |     |     |     |
|           | BRG   |         |           | 1.5 / 3   | 1.5 / 3.3 | 1.5 / 3.6 | 2.3 / 5.9 | 2.7 / 6.7 |     |     |     |     |     |     |
| 16        | LL    |         |           | 53        | 109       | 118       | 193       | 225       |     |     |     |     |     |     |
|           | TL    |         |           | 68        | 141       | 153       | 252       | 296       |     |     |     |     |     |     |
|           | BRG   |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.8 / 4.6 | 2.1 / 5.3 |     |     |     |     |     |     |
| 18        | LL    |         |           |           | 77        | 83        | 137       | 160       |     |     |     |     |     |     |
|           | TL    |         |           |           | 99        | 107       | 178       | 209       |     |     |     |     |     |     |
|           | BRG   |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.6 | 1.7 / 4.3 |     |     |     |     |     |     |
| 20        | LL    |         |           |           | 56        | 61        | 100       | 118       |     |     |     |     |     |     |
|           | TL    |         |           |           | 72        | 78        | 129       | 152       |     |     |     |     |     |     |
|           | BRG   |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.5 |     |     |     |     |     |     |
| 22        | LL    |         |           |           | 43        | 46        | 76        | 89        |     |     |     |     |     |     |
|           | TL    |         |           |           | 53        | 58        | 97        | 114       |     |     |     |     |     |     |
|           | BRG   |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   |     |     |     |     |     |     |
| 24        | LL    |         |           |           |           |           | 59        | 69        |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           | 74        | 87        |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           | 1.5 / 3   | 1.5 / 3   |     |     |     |     |     |     |
| 26        | LL    |         |           |           |           |           | 46        | 54        |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           | 57        | 68        |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           | 1.5 / 3   | 1.5 / 3   |     |     |     |     |     |     |
| 28        | LL    |         |           |           |           |           |           | 44        |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           | 54        |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           | 1.5 / 3   |     |     |     |     |     |     |
| 30        | LL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |           |     |     |     |     |     |     |
| 32        | LL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |           |     |     |     |     |     |     |
| 34        | LL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |           |     |     |     |     |     |     |
| 36        | LL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |           |     |     |     |     |     |     |
| 38        | LL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |           |     |     |     |     |     |     |
| 40        | LL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |           |     |     |     |     |     |     |
| 42        | LL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |           |     |     |     |     |     |     |
| 44        | LL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |           |     |     |     |     |     |     |
| 46        | LL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |           |     |     |     |     |     |     |
| 48        | LL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |           |     |     |     |     |     |     |
| 50        | LL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |           |     |     |     |     |     |     |
| 52        | LL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |           |     |     |     |     |     |     |
| 54        | LL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |           |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |           |     |     |     |     |     |     |

The PLF load values in this table are based upon the LVL member having lateral bracing at 16" o.c. or less along its entire length.

1-1/2" LVL members 14" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.

BRG = End / Interior = Required bearing length (inches), based on bearing stress of 750 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.

Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.

**2-Ply, 1.5" 2.1E true RigidLam LVL @ 115% Roof (PLF)**
**L/240 LL L/180 TL**
**Douglas-fir**
**ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)**

| Span (ft) | Depth | 4.375"  | 5.5"      | 7.25"     | 9.25"     | 9.5"      | 11.25"    | 11.875"   | 14"        | 16"        | 18"        | 20"        | 22"         | 24"         |
|-----------|-------|---------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-------------|-------------|
| 6         | LL    | 428     | 825       | -         | -         | -         | -         | -         | -          | -          | -          | -          | -           | -           |
|           | TL    | 567     | 1095      | 1531      | 2064      | 2134      | 2659      | 2860      | 3604       | 4403       | 5322       | 6387       | 7639        | 9128        |
|           | BRG   | 1.5 / 3 | 1.5 / 3.7 | 2 / 5.1   | 2.8 / 6.9 | 2.9 / 7.1 | 3.6 / 8.9 | 3.8 / 9.6 | 4.8 / 12   | 5.9 / 14.7 | 7.1 / 17.8 | 8.5 / 21.3 | 10.2 / 25.5 | 12.2 / 30.5 |
| 8         | LL    | 185     | 361       | 798       | -         | -         | -         | -         | -          | -          | -          | -          | -           | -           |
|           | TL    | 243     | 477       | 1034      | 1452      | 1498      | 1838      | 1966      | 2425       | 2898       | 3416       | 3986       | 4616        | 5317        |
|           | BRG   | 1.5 / 3 | 1.5 / 3   | 1.8 / 4.6 | 2.6 / 6.5 | 2.7 / 6.7 | 3.3 / 8.2 | 3.5 / 8.8 | 4.3 / 10.8 | 5.2 / 12.9 | 6.1 / 15.2 | 7.1 / 17.8 | 8.2 / 20.6  | 9.5 / 23.7  |
| 10        | LL    | 96      | 188       | 421       | 846       | 912       | -         | -         | -          | -          | -          | -          | -           | -           |
|           | TL    | 124     | 246       | 556       | 1043      | 1097      | 1404      | 1496      | 1826       | 2158       | 2513       | 2895       | 3305        | 3748        |
|           | BRG   | 1.5 / 3 | 1.5 / 3   | 1.5 / 3.1 | 2.3 / 5.8 | 2.5 / 6.1 | 3.1 / 7.8 | 3.3 / 8.4 | 4.1 / 10.2 | 4.8 / 12.1 | 5.6 / 14   | 6.5 / 16.2 | 7.4 / 18.5  | 8.4 / 20.9  |
| 12        | LL    | 56      | 110       | 248       | 503       | 543       | 879       | 1024      | -          | -          | -          | -          | -           | -           |
|           | TL    | 71      | 142       | 324       | 663       | 716       | 1044      | 1156      | 1463       | 1718       | 1987       | 2271       | 2572        | 2892        |
|           | BRG   | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.8 / 4.5 | 1.9 / 4.8 | 2.8 / 7   | 3.1 / 7.8 | 3.9 / 9.8  | 4.6 / 11.5 | 5.3 / 13.3 | 6.1 / 15.2 | 6.9 / 17.3  | 7.8 / 19.4  |
| 14        | LL    |         | 70        | 158       | 322       | 347       | 566       | 661       | 1054       | -          | -          | -          | -           | -           |
|           | TL    |         | 88        | 204       | 421       | 456       | 746       | 847       | 1155       | 1426       | 1642       | 1867       | 2104        | 2353        |
|           | BRG   |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.3 | 1.5 / 3.6 | 2.3 / 5.9 | 2.7 / 6.7 | 3.6 / 9.1  | 4.5 / 11.2 | 5.2 / 12.9 | 5.9 / 14.6 | 6.6 / 16.5  | 7.4 / 18.4  |
| 16        | LL    |         | 47        | 106       | 218       | 235       | 385       | 450       | 723        | 1054       | -          | -          | -           | -           |
|           | TL    |         | 58        | 136       | 283       | 306       | 505       | 591       | 881        | 1134       | 1398       | 1585       | 1779        | 1982        |
|           | BRG   |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.8 / 4.6 | 2.1 / 5.3 | 3.2 / 7.9  | 4.1 / 10.2 | 5 / 12.6   | 5.7 / 14.2 | 6.4 / 16    | 7.1 / 17.8  |
| 18        | LL    |         |           | 75        | 154       | 167       | 273       | 320       | 516        | 756        | 1054       | -          | -           | -           |
|           | TL    |         |           | 94        | 198       | 215       | 356       | 417       | 676        | 893        | 1115       | 1360       | 1541        | 1712        |
|           | BRG   |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.6 | 1.7 / 4.3 | 2.8 / 6.9  | 3.6 / 9.1  | 4.5 / 11.3 | 5.5 / 13.8 | 6.2 / 15.6  | 6.9 / 17.3  |
| 20        | LL    |         |           | 55        | 113       | 122       | 201       | 235       | 380        | 559        | 783        | 1054       | -           | -           |
|           | TL    |         |           | 67        | 143       | 155       | 259       | 304       | 496        | 721        | 901        | 1099       | 1316        | 1506        |
|           | BRG   |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.5 | 2.3 / 5.6  | 3.3 / 8.2  | 4.1 / 10.2 | 5 / 12.4   | 5.9 / 14.8  | 6.8 / 16.9  |
| 22        | LL    |         |           |           | 85        | 92        | 152       | 178       | 288        | 425        | 596        | 806        | 1054        | -           |
|           | TL    |         |           |           | 106       | 115       | 193       | 228       | 373        | 554        | 742        | 906        | 1084        | 1278        |
|           | BRG   |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.9 / 4.7  | 2.8 / 6.9  | 3.7 / 9.2  | 4.5 / 11.3 | 5.4 / 13.5  | 6.3 / 15.9  |
| 24        | LL    |         |           |           | 66        | 71        | 117       | 138       | 223        | 330        | 464        | 629        | 825         | 1054        |
|           | TL    |         |           |           | 80        | 87        | 148       | 174       | 287        | 427        | 605        | 758        | 908         | 1071        |
|           | BRG   |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.6 / 4    | 2.3 / 5.9  | 3.3 / 8.3  | 4.1 / 10.3 | 4.9 / 12.3  | 5.8 / 14.5  |
| 26        | LL    |         |           |           | 52        | 56        | 93        | 109       | 177        | 261        | 368        | 500        | 657         | 841         |
|           | TL    |         |           |           | 62        | 67        | 115       | 136       | 224        | 336        | 477        | 644        | 771         | 910         |
|           | BRG   |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.4  | 2 / 5      | 2.8 / 7.1  | 3.8 / 9.5  | 4.6 / 11.4  | 5.4 / 13.4  |
| 28        | LL    |         |           |           |           | 45        | 74        | 87        | 142        | 210        | 297        | 403        | 531         | 681         |
|           | TL    |         |           |           |           | 52        | 90        | 107       | 178        | 268        | 382        | 522        | 663         | 782         |
|           | BRG   |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.7 / 4.4  | 2.5 / 6.2  | 3.3 / 8.4  | 4.2 / 10.6  | 5 / 12.5    |
| 30        | LL    |         |           |           |           |           | 61        | 71        | 116        | 172        | 243        | 330        | 435         | 559         |
|           | TL    |         |           |           |           |           | 72        | 85        | 143        | 216        | 309        | 424        | 563         | 678         |
|           | BRG   |         |           |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3.8  | 2.2 / 5.4  | 2.9 / 7.3  | 3.9 / 9.7   | 4.6 / 11.6  |
| 32        | LL    |         |           |           |           |           | 50        | 59        | 96         | 142        | 201        | 273        | 361         | 464         |
|           | TL    |         |           |           |           |           | 58        | 69        | 117        | 177        | 254        | 349        | 464         | 594         |
|           | BRG   |         |           |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3.4  | 1.9 / 4.8  | 2.6 / 6.5  | 3.4 / 8.6   | 4.4 / 10.9  |
| 34        | LL    |         |           |           |           |           |           | 49        | 80         | 119        | 168        | 229        | 303         | 390         |
|           | TL    |         |           |           |           |           |           | 56        | 96         | 146        | 210        | 290        | 386         | 501         |
|           | BRG   |         |           |           |           |           |           | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.7 / 4.2  | 2.3 / 5.8  | 3 / 7.6     | 3.9 / 9.8   |
| 36        | LL    |         |           |           |           |           |           |           | 68         | 100        | 142        | 194        | 256         | 330         |
|           | TL    |         |           |           |           |           |           |           | 79         | 121        | 175        | 242        | 324         | 421         |
|           | BRG   |         |           |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8  | 2.1 / 5.2  | 2.7 / 6.8   | 3.5 / 8.8   |
| 38        | LL    |         |           |           |           |           |           |           | 58         | 85         | 121        | 165        | 219         | 282         |
|           | TL    |         |           |           |           |           |           |           | 66         | 101        | 147        | 204        | 274         | 357         |
|           | BRG   |         |           |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.4  | 1.9 / 4.7  | 2.5 / 6.2   | 3.2 / 7.9   |
| 40        | LL    |         |           |           |           |           |           |           | 49         | 73         | 104        | 142        | 188         | 243         |
|           | TL    |         |           |           |           |           |           |           | 55         | 85         | 125        | 174        | 233         | 305         |
|           | BRG   |         |           |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.1  | 1.7 / 4.2  | 2.2 / 5.6   | 2.9 / 7.2   |
| 42        | LL    |         |           |           |           |           |           |           |            | 64         | 90         | 123        | 163         | 210         |
|           | TL    |         |           |           |           |           |           |           |            | 72         | 106        | 148        | 200         | 261         |
|           | BRG   |         |           |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8  | 2 / 5.1     | 2.6 / 6.5   |
| 44        | LL    |         |           |           |           |           |           |           |            | 55         | 78         | 107        | 142         | 184         |
|           | TL    |         |           |           |           |           |           |           |            | 61         | 90         | 127        | 172         | 226         |
|           | BRG   |         |           |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5  | 1.9 / 4.6   | 2.4 / 6     |
| 46        | LL    |         |           |           |           |           |           |           |            | 48         | 69         | 94         | 125         | 161         |
|           | TL    |         |           |           |           |           |           |           |            | 52         | 77         | 109        | 149         | 196         |
|           | BRG   |         |           |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.2  | 1.7 / 4.2   | 2.2 / 5.5   |
| 48        | LL    |         |           |           |           |           |           |           |            |            | 61         | 83         | 110         | 142         |
|           | TL    |         |           |           |           |           |           |           |            |            | 67         | 95         | 129         | 170         |
|           | BRG   |         |           |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.6 / 3.9   | 2 / 5.1     |
| 50        | LL    |         |           |           |           |           |           |           |            |            | 54         | 73         | 97          | 126         |
|           | TL    |         |           |           |           |           |           |           |            |            | 57         | 82         | 112         | 149         |
|           | BRG   |         |           |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.6   | 1.9 / 4.7   |
| 52        | LL    |         |           |           |           |           |           |           |            |            |            | 65         | 87          | 112         |
|           | TL    |         |           |           |           |           |           |           |            |            |            | 71         | 98          | 131         |
|           | BRG   |         |           |           |           |           |           |           |            |            |            | 1.5 / 3    | 1.5 / 3.3   | 1.7 / 4.3   |
| 54        | LL    |         |           |           |           |           |           |           |            |            |            | 58         | 78          | 100         |
|           | TL    |         |           |           |           |           |           |           |            |            |            | 62         | 86          | 115         |
|           | BRG   |         |           |           |           |           |           |           |            |            |            | 1.5 / 3    | 1.5 / 3.1   | 1.6 / 4     |

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.

1-1/2" LVL members 14" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.

BRG = End / Interior = Required bearing length (inches), based on bearing stress of 750 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.

Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.

**3-Ply, 1.5" 2.1E true RigidLam LVL @ 115% Roof (PLF)**
**L/240 LL L/180 TL**
**Douglas-fir**
**ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)**

| Span (ft) | Depth | 4.375"  | 5.5"    | 7.25"     | 9.25"     | 9.5"      | 11.25"    | 11.875"   | 14"        | 16"        | 18"        | 20"        | 22"        | 24"        |
|-----------|-------|---------|---------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|
| 10        | LL    | 144     | 282     | 631       | 1269      | 1369      | -         | -         | -          | -          | -          | -          | -          | -          |
|           | TL    | 186     | 370     | 833       | 1565      | 1645      | 2105      | 2244      | 2739       | 3237       | 3770       | 4342       | 4957       | 5621       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.1 | 2.3 / 5.8 | 2.5 / 6.1 | 3.1 / 7.8 | 3.3 / 8.4 | 4.1 / 10.2 | 4.8 / 12.1 | 5.6 / 14   | 6.5 / 16.2 | 7.4 / 18.5 | 8.4 / 20.9 |
| 12        | LL    | 84      | 165     | 371       | 754       | 814       | 1318      | 1535      | -          | -          | -          | -          | -          | -          |
|           | TL    | 106     | 213     | 487       | 994       | 1074      | 1566      | 1734      | 2195       | 2577       | 2980       | 3407       | 3858       | 4337       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3   | 1.8 / 4.5 | 1.9 / 4.8 | 2.8 / 7   | 3.1 / 7.8 | 3.9 / 9.8  | 4.6 / 11.5 | 5.3 / 13.3 | 6.1 / 15.2 | 6.9 / 17.3 | 7.8 / 19.4 |
| 14        | LL    | 53      | 104     | 236       | 482       | 521       | 850       | 992       | 1581       | -          | -          | -          | -          | -          |
|           | TL    | 65      | 133     | 306       | 632       | 684       | 1119      | 1270      | 1732       | 2139       | 2463       | 2801       | 3156       | 3529       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3   | 1.5 / 3.3 | 1.5 / 3.6 | 2.3 / 5.9 | 2.7 / 6.7 | 3.6 / 9.1  | 4.5 / 11.2 | 5.2 / 12.9 | 5.9 / 14.6 | 6.6 / 16.5 | 7.4 / 18.4 |
| 16        | LL    |         | 70      | 159       | 327       | 353       | 578       | 676       | 1084       | 1581       | -          | -          | -          | -          |
|           | TL    |         | 87      | 204       | 424       | 459       | 757       | 887       | 1322       | 1701       | 2097       | 2377       | 2669       | 2973       |
|           | BRG   |         | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.8 / 4.6 | 2.1 / 5.3 | 3.2 / 7.9  | 4.1 / 10.2 | 5 / 12.6   | 5.7 / 14.2 | 6.4 / 16   | 7.1 / 17.8 |
| 18        | LL    |         | 49      | 112       | 231       | 250       | 410       | 480       | 773        | 1134       | 1581       | -          | -          | -          |
|           | TL    |         | 59      | 141       | 297       | 322       | 534       | 626       | 1015       | 1340       | 1673       | 2041       | 2311       | 2567       |
|           | BRG   |         | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.6 | 1.7 / 4.3 | 2.8 / 6.9  | 3.6 / 9.1  | 4.5 / 11.3 | 5.5 / 13.8 | 6.2 / 15.6 | 6.9 / 17.3 |
| 20        | LL    |         |         | 82        | 169       | 183       | 301       | 353       | 570        | 839        | 1174       | 1581       | -          | -          |
|           | TL    |         |         | 101       | 215       | 233       | 388       | 457       | 744        | 1082       | 1351       | 1648       | 1973       | 2258       |
|           | BRG   |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.5 | 2.3 / 5.6  | 3.3 / 8.2  | 4.1 / 10.2 | 5 / 12.4   | 5.9 / 14.8 | 6.8 / 16.9 |
| 22        | LL    |         |         | 62        | 128       | 138       | 228       | 267       | 432        | 637        | 895        | 1208       | 1581       | -          |
|           | TL    |         |         | 74        | 159       | 173       | 290       | 342       | 560        | 831        | 1113       | 1358       | 1626       | 1917       |
|           | BRG   |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.9 / 4.7  | 2.8 / 6.9  | 3.7 / 9.2  | 4.5 / 11.3 | 5.4 / 13.5 | 6.3 / 15.9 |
| 24        | LL    |         |         | 48        | 99        | 107       | 176       | 207       | 335        | 495        | 696        | 943        | 1237       | 1581       |
|           | TL    |         |         | 55        | 121       | 131       | 221       | 261       | 430        | 641        | 907        | 1138       | 1362       | 1606       |
|           | BRG   |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.6 / 4    | 2.3 / 5.9  | 3.3 / 8.3  | 4.1 / 10.3 | 4.9 / 12.3 | 5.8 / 14.5 |
| 26        | LL    |         |         |           | 78        | 84        | 139       | 163       | 265        | 392        | 552        | 749        | 985        | 1262       |
|           | TL    |         |         |           | 93        | 101       | 172       | 203       | 337        | 504        | 715        | 966        | 1157       | 1364       |
|           | BRG   |         |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.4  | 2 / 5      | 2.8 / 7.1  | 3.8 / 9.5  | 4.6 / 11.4 | 5.4 / 13.4 |
| 28        | LL    |         |         |           | 62        | 68        | 112       | 131       | 213        | 316        | 445        | 605        | 796        | 1022       |
|           | TL    |         |         |           | 72        | 79        | 135       | 161       | 267        | 402        | 572        | 783        | 994        | 1172       |
|           | BRG   |         |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.7 / 4.4  | 2.5 / 6.2  | 3.3 / 8.4  | 4.2 / 10.6 | 5 / 12.5   |
| 30        | LL    |         |         |           | 51        | 55        | 91        | 107       | 174        | 258        | 364        | 495        | 653        | 839        |
|           | TL    |         |         |           | 57        | 62        | 108       | 128       | 215        | 325        | 464        | 636        | 844        | 1018       |
|           | BRG   |         |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3.8  | 2.2 / 5.4  | 2.9 / 7.3  | 3.9 / 9.7  | 4.6 / 11.6 |
| 32        | LL    |         |         |           |           |           | 75        | 88        | 144        | 213        | 301        | 410        | 541        | 696        |
|           | TL    |         |         |           |           |           | 87        | 103       | 175        | 265        | 380        | 523        | 696        | 891        |
|           | BRG   |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3.4  | 1.9 / 4.8  | 2.6 / 6.5  | 3.4 / 8.6  | 4.4 / 10.9 |
| 34        | LL    |         |         |           |           |           | 63        | 74        | 120        | 178        | 252        | 344        | 454        | 584        |
|           | TL    |         |         |           |           |           | 70        | 84        | 143        | 219        | 315        | 434        | 579        | 751        |
|           | BRG   |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.7 / 4.2  | 2.3 / 5.8  | 3 / 7.6    | 3.9 / 9.8  |
| 36        | LL    |         |         |           |           |           | 53        | 62        | 101        | 150        | 213        | 291        | 384        | 495        |
|           | TL    |         |         |           |           |           | 57        | 69        | 118        | 182        | 263        | 364        | 486        | 632        |
|           | BRG   |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8  | 2.1 / 5.2  | 2.7 / 6.8  | 3.5 / 8.8  |
| 38        | LL    |         |         |           |           |           |           | 53        | 86         | 128        | 182        | 248        | 328        | 423        |
|           | TL    |         |         |           |           |           |           | 56        | 98         | 152        | 221        | 307        | 411        | 535        |
|           | BRG   |         |         |           |           |           |           | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.4  | 1.9 / 4.7  | 2.5 / 6.2  | 3.2 / 7.9  |
| 40        | LL    |         |         |           |           |           |           |           | 74         | 110        | 156        | 213        | 282        | 364        |
|           | TL    |         |         |           |           |           |           |           | 82         | 128        | 187        | 260        | 350        | 457        |
|           | BRG   |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.1  | 1.7 / 4.2  | 2.2 / 5.6  | 2.9 / 7.2  |
| 42        | LL    |         |         |           |           |           |           |           | 64         | 95         | 135        | 185        | 244        | 316        |
|           | TL    |         |         |           |           |           |           |           | 69         | 108        | 159        | 222        | 300        | 392        |
|           | BRG   |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8  | 2 / 5.1    | 2.6 / 6.5  |
| 44        | LL    |         |         |           |           |           |           |           | 56         | 83         | 118        | 161        | 213        | 275        |
|           | TL    |         |         |           |           |           |           |           | 58         | 92         | 136        | 191        | 258        | 339        |
|           | BRG   |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5  | 1.9 / 4.6  | 2.4 / 6    |
| 46        | LL    |         |         |           |           |           |           |           |            | 73         | 103        | 141        | 187        | 242        |
|           | TL    |         |         |           |           |           |           |           |            | 78         | 116        | 164        | 223        | 294        |
|           | BRG   |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.2  | 1.7 / 4.2  | 2.2 / 5.5  |
| 48        | LL    |         |         |           |           |           |           |           |            | 64         | 91         | 124        | 165        | 213        |
|           | TL    |         |         |           |           |           |           |           |            | 66         | 100        | 142        | 194        | 256        |
|           | BRG   |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.6 / 3.9  | 2 / 5.1    |
| 50        | LL    |         |         |           |           |           |           |           |            | 57         | 81         | 110        | 146        | 189        |
|           | TL    |         |         |           |           |           |           |           |            | 57         | 86         | 123        | 169        | 223        |
|           | BRG   |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.6  | 1.9 / 4.7  |
| 52        | LL    |         |         |           |           |           |           |           |            |            | 72         | 98         | 130        | 168        |
|           | TL    |         |         |           |           |           |           |           |            |            | 74         | 107        | 147        | 196        |
|           | BRG   |         |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.3  | 1.7 / 4.3  |
| 54        | LL    |         |         |           |           |           |           |           |            |            | 64         | 88         | 116        | 150        |
|           | TL    |         |         |           |           |           |           |           |            |            | 64         | 93         | 129        | 172        |
|           | BRG   |         |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.1  | 1.6 / 4    |
| 56        | LL    |         |         |           |           |           |           |           |            |            | 57         | 79         | 104        | 135        |
|           | TL    |         |         |           |           |           |           |           |            |            | 55         | 81         | 113        | 152        |
|           | BRG   |         |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.7  |
| 58        | LL    |         |         |           |           |           |           |           |            |            |            | 71         | 94         | 122        |
|           | TL    |         |         |           |           |           |           |           |            |            |            | 71         | 99         | 134        |
|           | BRG   |         |         |           |           |           |           |           |            |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5  |

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.

1-1/2" LVL members 14" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.

BRG = End / Interior = Required bearing length (inches), based on bearing stress of 750 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.

Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.

Nov. 2020



**4-Ply, 1.5" 2.1E true RigidLam LVL @ 115% Roof (PLF)**
**L/240 LL L/180 TL**
**Douglas-fir**
**ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)**

| Span (ft) | Depth | 4.375"  | 5.5"    | 7.25"     | 9.25"     | 9.5"      | 11.25"    | 11.875"   | 14"        | 16"        | 18"        | 20"        | 22"        | 24"        |
|-----------|-------|---------|---------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|
| 10        | LL    | 191     | 376     | 842       | 1692      | 1825      | -         | -         | -          | -          | -          | -          | -          | -          |
|           | TL    | 248     | 493     | 1111      | 2086      | 2193      | 2807      | 2993      | 3652       | 4316       | 5027       | 5789       | 6610       | 7495       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.1 | 2.3 / 5.8 | 2.5 / 6.1 | 3.1 / 7.8 | 3.3 / 8.4 | 4.1 / 10.2 | 4.8 / 12.1 | 5.6 / 14   | 6.5 / 16.2 | 7.4 / 18.5 | 8.4 / 20.9 |
| 12        | LL    | 111     | 220     | 495       | 1005      | 1085      | 1758      | 2047      | -          | -          | -          | -          | -          | -          |
|           | TL    | 142     | 284     | 649       | 1325      | 1432      | 2088      | 2312      | 2927       | 3436       | 3974       | 4542       | 5144       | 5783       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3   | 1.8 / 4.5 | 1.9 / 4.8 | 2.8 / 7   | 3.1 / 7.8 | 3.9 / 9.8  | 4.6 / 11.5 | 5.3 / 13.3 | 6.1 / 15.2 | 6.9 / 17.3 | 7.8 / 19.4 |
| 14        | LL    | 70      | 139     | 315       | 643       | 695       | 1133      | 1322      | 2108       | -          | -          | -          | -          | -          |
|           | TL    | 87      | 177     | 409       | 843       | 912       | 1492      | 1693      | 2309       | 2853       | 3284       | 3735       | 4208       | 4705       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3   | 1.5 / 3.3 | 1.5 / 3.6 | 2.3 / 5.9 | 2.7 / 6.7 | 3.6 / 9.1  | 4.5 / 11.2 | 5.2 / 12.9 | 5.9 / 14.6 | 6.6 / 16.5 | 7.4 / 18.4 |
| 16        | LL    | 47      | 94      | 212       | 435       | 471       | 770       | 901       | 1445       | 2108       | -          | -          | -          | -          |
|           | TL    | 56      | 116     | 272       | 566       | 613       | 1009      | 1183      | 1763       | 2267       | 2796       | 3170       | 3559       | 3964       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.8 / 4.6 | 2.1 / 5.3 | 3.2 / 7.9  | 4.1 / 10.2 | 5 / 12.6   | 5.7 / 14.2 | 6.4 / 16   | 7.1 / 17.8 |
| 18        | LL    |         | 66      | 150       | 308       | 333       | 547       | 640       | 1031       | 1511       | 2108       | -          | -          | -          |
|           | TL    |         | 79      | 188       | 396       | 429       | 711       | 835       | 1353       | 1786       | 2231       | 2721       | 3082       | 3423       |
|           | BRG   |         | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.6 | 1.7 / 4.3 | 2.8 / 6.9  | 3.6 / 9.1  | 4.5 / 11.3 | 5.5 / 13.8 | 6.2 / 15.6 | 6.9 / 17.3 |
| 20        | LL    |         | 48      | 110       | 226       | 244       | 402       | 471       | 761        | 1118       | 1566       | 2108       | -          | -          |
|           | TL    |         | 55      | 135       | 286       | 311       | 518       | 609       | 992        | 1442       | 1801       | 2198       | 2631       | 3011       |
|           | BRG   |         | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.5 | 2.3 / 5.6  | 3.3 / 8.2  | 4.1 / 10.2 | 5 / 12.4   | 5.9 / 14.8 | 6.8 / 16.9 |
| 22        | LL    |         |         | 83        | 170       | 184       | 304       | 356       | 576        | 850        | 1193       | 1611       | 2108       | -          |
|           | TL    |         |         | 99        | 212       | 231       | 387       | 456       | 746        | 1108       | 1484       | 1811       | 2168       | 2556       |
|           | BRG   |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.9 / 4.7  | 2.8 / 6.9  | 3.7 / 9.2  | 4.5 / 11.3 | 5.4 / 13.5 | 6.3 / 15.9 |
| 24        | LL    |         |         | 64        | 132       | 142       | 235       | 275       | 447        | 660        | 929        | 1257       | 1649       | 2108       |
|           | TL    |         |         | 73        | 161       | 175       | 295       | 348       | 574        | 855        | 1210       | 1517       | 1817       | 2141       |
|           | BRG   |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.6 / 4    | 2.3 / 5.9  | 3.3 / 8.3  | 4.1 / 10.3 | 4.9 / 12.3 | 5.8 / 14.5 |
| 26        | LL    |         |         | 50        | 104       | 112       | 185       | 217       | 353        | 523        | 737        | 999        | 1313       | 1682       |
|           | TL    |         |         | 55        | 124       | 135       | 229       | 271       | 449        | 672        | 954        | 1288       | 1543       | 1819       |
|           | BRG   |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.4  | 2 / 5      | 2.8 / 7.1  | 3.8 / 9.5  | 4.6 / 11.4 | 5.4 / 13.4 |
| 28        | LL    |         |         |           | 83        | 90        | 149       | 175       | 284        | 421        | 594        | 806        | 1062       | 1363       |
|           | TL    |         |         |           | 96        | 105       | 181       | 214       | 357        | 536        | 763        | 1044       | 1325       | 1563       |
|           | BRG   |         |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.7 / 4.4  | 2.5 / 6.2  | 3.3 / 8.4  | 4.2 / 10.6 | 5 / 12.5   |
| 30        | LL    |         |         |           | 68        | 73        | 121       | 142       | 232        | 344        | 485        | 660        | 870        | 1118       |
|           | TL    |         |         |           | 76        | 83        | 144       | 171       | 287        | 433        | 619        | 848        | 1126       | 1357       |
|           | BRG   |         |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3.8  | 2.2 / 5.4  | 2.9 / 7.3  | 3.9 / 9.7  | 4.6 / 11.6 |
| 32        | LL    |         |         |           | 56        | 60        | 100       | 118       | 191        | 284        | 402        | 547        | 722        | 929        |
|           | TL    |         |         |           | 60        | 66        | 116       | 138       | 233        | 353        | 507        | 698        | 928        | 1188       |
|           | BRG   |         |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3.4  | 1.9 / 4.8  | 2.6 / 6.5  | 3.4 / 8.6  | 4.4 / 10.9 |
| 34        | LL    |         |         |           |           | 50        | 84        | 98        | 160        | 238        | 336        | 458        | 605        | 779        |
|           | TL    |         |         |           |           | 52        | 94        | 112       | 191        | 291        | 420        | 579        | 772        | 1001       |
|           | BRG   |         |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.7 / 4.2  | 2.3 / 5.8  | 3 / 7.6    | 3.9 / 9.8  |
| 36        | LL    |         |         |           |           |           | 70        | 83        | 135        | 201        | 284        | 387        | 512        | 660        |
|           | TL    |         |         |           |           |           | 76        | 92        | 158        | 242        | 350        | 485        | 648        | 842        |
|           | BRG   |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8  | 2.1 / 5.2  | 2.7 / 6.8  | 3.5 / 8.8  |
| 38        | LL    |         |         |           |           |           | 60        | 70        | 115        | 171        | 242        | 330        | 437        | 564        |
|           | TL    |         |         |           |           |           | 62        | 75        | 131        | 203        | 294        | 409        | 548        | 714        |
|           | BRG   |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.4  | 1.9 / 4.7  | 2.5 / 6.2  | 3.2 / 7.9  |
| 40        | LL    |         |         |           |           |           | 51        | 60        | 99         | 147        | 208        | 284        | 376        | 485        |
|           | TL    |         |         |           |           |           | 51        | 62        | 110        | 170        | 249        | 347        | 467        | 609        |
|           | BRG   |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.1  | 1.7 / 4.2  | 2.2 / 5.6  | 2.9 / 7.2  |
| 42        | LL    |         |         |           |           |           |           | 52        | 85         | 127        | 180        | 246        | 326        | 421        |
|           | TL    |         |         |           |           |           |           | 51        | 92         | 144        | 212        | 296        | 400        | 523        |
|           | BRG   |         |         |           |           |           |           | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8  | 2 / 5.1    | 2.6 / 6.5  |
| 44        | LL    |         |         |           |           |           |           |           | 74         | 111        | 157        | 214        | 284        | 367        |
|           | TL    |         |         |           |           |           |           |           | 77         | 122        | 181        | 254        | 344        | 451        |
|           | BRG   |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5  | 1.9 / 4.6  | 2.4 / 6    |
| 46        | LL    |         |         |           |           |           |           |           | 65         | 97         | 138        | 188        | 249        | 322        |
|           | TL    |         |         |           |           |           |           |           | 65         | 104        | 155        | 219        | 297        | 391        |
|           | BRG   |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.2  | 1.7 / 4.2  | 2.2 / 5.5  |
| 48        | LL    |         |         |           |           |           |           |           | 57         | 85         | 121        | 166        | 220        | 284        |
|           | TL    |         |         |           |           |           |           |           | 54         | 89         | 133        | 189        | 258        | 341        |
|           | BRG   |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.6 / 3.9  | 2 / 5.1    |
| 50        | LL    |         |         |           |           |           |           |           |            | 76         | 107        | 147        | 195        | 252        |
|           | TL    |         |         |           |           |           |           |           |            | 76         | 115        | 164        | 225        | 298        |
|           | BRG   |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.6  | 1.9 / 4.7  |
| 52        | LL    |         |         |           |           |           |           |           |            | 67         | 96         | 131        | 173        | 224        |
|           | TL    |         |         |           |           |           |           |           |            | 64         | 99         | 143        | 196        | 261        |
|           | BRG   |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.3  | 1.7 / 4.3  |
| 54        | LL    |         |         |           |           |           |           |           |            | 60         | 85         | 117        | 155        | 201        |
|           | TL    |         |         |           |           |           |           |           |            | 55         | 85         | 124        | 172        | 229        |
|           | BRG   |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.1  | 1.6 / 4    |
| 56        | LL    |         |         |           |           |           |           |           |            |            | 77         | 105        | 139        | 180        |
|           | TL    |         |         |           |           |           |           |           |            |            | 74         | 108        | 151        | 202        |
|           | BRG   |         |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.7  |
| 58        | LL    |         |         |           |           |           |           |           |            |            | 69         | 94         | 125        | 162        |
|           | TL    |         |         |           |           |           |           |           |            |            | 64         | 94         | 132        | 178        |
|           | BRG   |         |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5  |

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.

1-1/2" LVL members 14" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.

BRG = End / Interior = Required bearing length (inches), based on bearing stress of 750 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.

Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.

Nov. 2020



**1-Ply, 1.5" 2.1E true RigidLam LVL @ 125% Roof (PLF)**
**L/240 LL L/180 TL**
**Douglas-fir**
**ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)**

| Span (ft) | Depth | 4.375"  | 5.5"      | 7.25"     | 9.25"     | 9.5"      | 11.25"    | 11.875"    | 14" | 16" | 18" | 20" | 22" | 24" |
|-----------|-------|---------|-----------|-----------|-----------|-----------|-----------|------------|-----|-----|-----|-----|-----|-----|
| 6         | LL    | 214     | 412       | -         | -         | -         | -         | -          |     |     |     |     |     |     |
|           | TL    | 284     | 548       | 833       | 1122      | 1160      | 1446      | 1555       |     |     |     |     |     |     |
|           | BRG   | 1.5 / 3 | 1.5 / 3.7 | 2.2 / 5.6 | 3 / 7.5   | 3.1 / 7.8 | 3.9 / 9.7 | 4.2 / 10.4 |     |     |     |     |     |     |
| 8         | LL    | 92      | 180       | 399       | 789       | -         | -         | -          |     |     |     |     |     |     |
|           | TL    | 122     | 238       | 529       | 789       | 815       | 999       | 1069       |     |     |     |     |     |     |
|           | BRG   | 1.5 / 3 | 1.5 / 3   | 1.9 / 4.7 | 2.8 / 7   | 2.9 / 7.3 | 3.6 / 8.9 | 3.8 / 9.5  |     |     |     |     |     |     |
| 10        | LL    | 48      | 94        | 210       | 423       | 456       | 732       | -          |     |     |     |     |     |     |
|           | TL    | 62      | 123       | 278       | 560       | 596       | 763       | 814        |     |     |     |     |     |     |
|           | BRG   | 1.5 / 3 | 1.5 / 3   | 1.5 / 3.1 | 2.5 / 6.3 | 2.7 / 6.7 | 3.4 / 8.5 | 3.6 / 9.1  |     |     |     |     |     |     |
| 12        | LL    |         | 55        | 124       | 251       | 271       | 439       | 512        |     |     |     |     |     |     |
|           | TL    |         | 71        | 162       | 331       | 358       | 568       | 629        |     |     |     |     |     |     |
|           | BRG   |         | 1.5 / 3   | 1.5 / 3   | 1.8 / 4.5 | 1.9 / 4.8 | 3.1 / 7.6 | 3.4 / 8.4  |     |     |     |     |     |     |
| 14        | LL    |         |           | 79        | 161       | 174       | 283       | 331        |     |     |     |     |     |     |
|           | TL    |         |           | 102       | 211       | 228       | 373       | 436        |     |     |     |     |     |     |
|           | BRG   |         |           | 1.5 / 3   | 1.5 / 3.3 | 1.5 / 3.6 | 2.3 / 5.9 | 2.7 / 6.9  |     |     |     |     |     |     |
| 16        | LL    |         |           | 53        | 109       | 118       | 193       | 225        |     |     |     |     |     |     |
|           | TL    |         |           | 68        | 141       | 153       | 252       | 296        |     |     |     |     |     |     |
|           | BRG   |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.8 / 4.6 | 2.1 / 5.3  |     |     |     |     |     |     |
| 18        | LL    |         |           |           | 77        | 83        | 137       | 160        |     |     |     |     |     |     |
|           | TL    |         |           |           | 99        | 107       | 178       | 209        |     |     |     |     |     |     |
|           | BRG   |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.6 | 1.7 / 4.3  |     |     |     |     |     |     |
| 20        | LL    |         |           |           | 56        | 61        | 100       | 118        |     |     |     |     |     |     |
|           | TL    |         |           |           | 72        | 78        | 129       | 152        |     |     |     |     |     |     |
|           | BRG   |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.5  |     |     |     |     |     |     |
| 22        | LL    |         |           |           | 43        | 46        | 76        | 89         |     |     |     |     |     |     |
|           | TL    |         |           |           | 53        | 58        | 97        | 114        |     |     |     |     |     |     |
|           | BRG   |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    |     |     |     |     |     |     |
| 24        | LL    |         |           |           |           |           | 59        | 69         |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           | 74        | 87         |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           | 1.5 / 3   | 1.5 / 3    |     |     |     |     |     |     |
| 26        | LL    |         |           |           |           |           | 46        | 54         |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           | 57        | 68         |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           | 1.5 / 3   | 1.5 / 3    |     |     |     |     |     |     |
| 28        | LL    |         |           |           |           |           |           | 44         |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           | 54         |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           | 1.5 / 3    |     |     |     |     |     |     |
| 30        | LL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |            |     |     |     |     |     |     |
| 32        | LL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |            |     |     |     |     |     |     |
| 34        | LL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |            |     |     |     |     |     |     |
| 36        | LL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |            |     |     |     |     |     |     |
| 38        | LL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |            |     |     |     |     |     |     |
| 40        | LL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |            |     |     |     |     |     |     |
| 42        | LL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |            |     |     |     |     |     |     |
| 44        | LL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |            |     |     |     |     |     |     |
| 46        | LL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |            |     |     |     |     |     |     |
| 48        | LL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |            |     |     |     |     |     |     |
| 50        | LL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |            |     |     |     |     |     |     |
| 52        | LL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |            |     |     |     |     |     |     |
| 54        | LL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | TL    |         |           |           |           |           |           |            |     |     |     |     |     |     |
|           | BRG   |         |           |           |           |           |           |            |     |     |     |     |     |     |

The PLF load values in this table are based upon the LVL member having lateral bracing at 16" o.c. or less along its entire length.

1-1/2" LVL members 14" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.

BRG = End / Interior = Required bearing length (inches), based on bearing stress of 750 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.

Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.

**2-Ply, 1.5" 2.1E true RigidLam LVL @ 125% Roof (PLF)**
**L/240 LL L/180 TL**
**Douglas-fir**
**ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)**

| Span (ft) | Depth | 4.375"  | 5.5"      | 7.25"     | 9.25"     | 9.5"      | 11.25"    | 11.875"    | 14"        | 16"        | 18"        | 20"        | 22"         | 24"         |
|-----------|-------|---------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|
| 6         | LL    | 428     | 825       | -         | -         | -         | -         | -          | -          | -          | -          | -          | -           | -           |
|           | TL    | 567     | 1095      | 1665      | 2244      | 2321      | 2891      | 3109       | 3918       | 4787       | 5786       | 6944       | 8304        | 9924        |
|           | BRG   | 1.5 / 3 | 1.5 / 3.7 | 2.2 / 5.6 | 3 / 7.5   | 3.1 / 7.8 | 3.9 / 9.7 | 4.2 / 10.4 | 5.2 / 13.1 | 6.4 / 16   | 7.7 / 19.3 | 9.3 / 23.2 | 11.1 / 27.7 | 13.3 / 33.1 |
| 8         | LL    | 185     | 361       | 798       | 1578      | -         | -         | -          | -          | -          | -          | -          | -           | -           |
|           | TL    | 243     | 477       | 1059      | 1578      | 1629      | 1999      | 2137       | 2637       | 3151       | 3714       | 4334       | 5019        | 5781        |
|           | BRG   | 1.5 / 3 | 1.5 / 3   | 1.9 / 4.7 | 2.8 / 7   | 2.9 / 7.3 | 3.6 / 8.9 | 3.8 / 9.5  | 4.7 / 11.8 | 5.6 / 14.1 | 6.6 / 16.6 | 7.7 / 19.3 | 9 / 22.4    | 10.3 / 25.8 |
| 10        | LL    | 96      | 188       | 421       | 846       | 912       | 1464      | -          | -          | -          | -          | -          | -           | -           |
|           | TL    | 124     | 246       | 556       | 1121      | 1193      | 1526      | 1627       | 1986       | 2347       | 2733       | 3148       | 3594        | 4075        |
|           | BRG   | 1.5 / 3 | 1.5 / 3   | 1.5 / 3.1 | 2.5 / 6.3 | 2.7 / 6.7 | 3.4 / 8.5 | 3.6 / 9.1  | 4.4 / 11.1 | 5.2 / 13.1 | 6.1 / 15.3 | 7 / 17.6   | 8 / 20.1    | 9.1 / 22.7  |
| 12        | LL    | 56      | 110       | 248       | 503       | 543       | 879       | 1024       | -          | -          | -          | -          | -           | -           |
|           | TL    | 71      | 142       | 324       | 663       | 716       | 1136      | 1257       | 1592       | 1868       | 2161       | 2470       | 2797        | 3145        |
|           | BRG   | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.8 / 4.5 | 1.9 / 4.8 | 3.1 / 7.6 | 3.4 / 8.4  | 4.3 / 10.7 | 5 / 12.5   | 5.8 / 14.5 | 6.6 / 16.6 | 7.5 / 18.8  | 8.4 / 21.1  |
| 14        | LL    |         | 70        | 158       | 322       | 347       | 566       | 661        | 1054       | 1529       | -          | -          | -           | -           |
|           | TL    |         | 88        | 204       | 421       | 456       | 746       | 872        | 1256       | 1551       | 1786       | 2031       | 2289        | 2559        |
|           | BRG   |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.3 | 1.5 / 3.6 | 2.3 / 5.9 | 2.7 / 6.9  | 3.9 / 9.9  | 4.9 / 12.2 | 5.6 / 14   | 6.4 / 15.9 | 7.2 / 17.9  | 8 / 20      |
| 16        | LL    |         | 47        | 106       | 218       | 235       | 385       | 450        | 723        | 1054       | 1464       | -          | -           | -           |
|           | TL    |         | 58        | 136       | 283       | 306       | 505       | 591        | 952        | 1233       | 1521       | 1724       | 1936        | 2156        |
|           | BRG   |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.8 / 4.6 | 2.1 / 5.3  | 3.4 / 8.6  | 4.4 / 11.1 | 5.5 / 13.6 | 6.2 / 15.5 | 6.9 / 17.4  | 7.7 / 19.3  |
| 18        | LL    |         |           | 75        | 154       | 167       | 273       | 320        | 516        | 756        | 1054       | 1414       | -           | -           |
|           | TL    |         |           | 94        | 198       | 215       | 356       | 417        | 676        | 972        | 1214       | 1480       | 1676        | 1862        |
|           | BRG   |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.6 | 1.7 / 4.3  | 2.8 / 6.9  | 3.9 / 9.8  | 4.9 / 12.3 | 6 / 15     | 6.8 / 16.9  | 7.5 / 18.8  |
| 20        | LL    |         |           | 55        | 113       | 122       | 201       | 235        | 380        | 559        | 783        | 1054       | 1375        | -           |
|           | TL    |         |           | 67        | 143       | 155       | 259       | 304        | 496        | 733        | 980        | 1196       | 1431        | 1638        |
|           | BRG   |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.5  | 2.3 / 5.6  | 3.3 / 8.3  | 4.4 / 11.1 | 5.4 / 13.5 | 6.4 / 16.1  | 7.4 / 18.4  |
| 22        | LL    |         |           |           | 85        | 92        | 152       | 178        | 288        | 425        | 596        | 806        | 1054        | 1344        |
|           | TL    |         |           |           | 106       | 115       | 193       | 228        | 373        | 554        | 781        | 986        | 1180        | 1391        |
|           | BRG   |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.9 / 4.7  | 2.8 / 6.9  | 3.9 / 9.7  | 4.9 / 12.2 | 5.9 / 14.6  | 6.9 / 17.2  |
| 24        | LL    |         |           |           | 66        | 71        | 117       | 138        | 223        | 330        | 464        | 629        | 825         | 1054        |
|           | TL    |         |           |           | 80        | 87        | 148       | 174        | 287        | 427        | 605        | 822        | 989         | 1165        |
|           | BRG   |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.6 / 4    | 2.3 / 5.9  | 3.3 / 8.3  | 4.5 / 11.2 | 5.4 / 13.4  | 6.3 / 15.8  |
| 26        | LL    |         |           |           | 52        | 56        | 93        | 109        | 177        | 261        | 368        | 500        | 657         | 841         |
|           | TL    |         |           |           | 62        | 67        | 115       | 136        | 224        | 336        | 477        | 650        | 840         | 990         |
|           | BRG   |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3.4  | 2 / 5      | 2.8 / 7.1  | 3.8 / 9.6  | 5 / 12.4    | 5.8 / 14.6  |
| 28        | LL    |         |           |           |           | 45        | 74        | 87         | 142        | 210        | 297        | 403        | 531         | 681         |
|           | TL    |         |           |           |           | 52        | 90        | 107        | 178        | 268        | 382        | 522        | 691         | 851         |
|           | BRG   |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.7 / 4.4  | 2.5 / 6.2  | 3.3 / 8.4  | 4.4 / 11    | 5.4 / 13.5  |
| 30        | LL    |         |           |           |           |           | 61        | 71         | 116        | 172        | 243        | 330        | 435         | 559         |
|           | TL    |         |           |           |           |           | 72        | 85         | 143        | 216        | 309        | 424        | 563         | 727         |
|           | BRG   |         |           |           |           |           | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8  | 2.2 / 5.4  | 2.9 / 7.3  | 3.9 / 9.7   | 5 / 12.4    |
| 32        | LL    |         |           |           |           |           | 50        | 59         | 96         | 142        | 201        | 273        | 361         | 464         |
|           | TL    |         |           |           |           |           | 58        | 69         | 117        | 177        | 254        | 349        | 464         | 600         |
|           | BRG   |         |           |           |           |           | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.4  | 1.9 / 4.8  | 2.6 / 6.5  | 3.4 / 8.6   | 4.4 / 11    |
| 34        | LL    |         |           |           |           |           |           | 49         | 80         | 119        | 168        | 229        | 303         | 390         |
|           | TL    |         |           |           |           |           |           | 56         | 96         | 146        | 210        | 290        | 386         | 501         |
|           | BRG   |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.7 / 4.2  | 2.3 / 5.8  | 3 / 7.6     | 3.9 / 9.8   |
| 36        | LL    |         |           |           |           |           |           |            | 68         | 100        | 142        | 194        | 256         | 330         |
|           | TL    |         |           |           |           |           |           |            | 79         | 121        | 175        | 242        | 324         | 421         |
|           | BRG   |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8  | 2.1 / 5.2  | 2.7 / 6.8   | 3.5 / 8.8   |
| 38        | LL    |         |           |           |           |           |           |            | 58         | 85         | 121        | 165        | 219         | 282         |
|           | TL    |         |           |           |           |           |           |            | 66         | 101        | 147        | 204        | 274         | 357         |
|           | BRG   |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.4  | 1.9 / 4.7  | 2.5 / 6.2   | 3.2 / 7.9   |
| 40        | LL    |         |           |           |           |           |           |            | 49         | 73         | 104        | 142        | 188         | 243         |
|           | TL    |         |           |           |           |           |           |            | 55         | 85         | 125        | 174        | 233         | 305         |
|           | BRG   |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.1  | 1.7 / 4.2  | 2.2 / 5.6   | 2.9 / 7.2   |
| 42        | LL    |         |           |           |           |           |           |            |            | 64         | 90         | 123        | 163         | 210         |
|           | TL    |         |           |           |           |           |           |            |            | 72         | 106        | 148        | 200         | 261         |
|           | BRG   |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8  | 2 / 5.1     | 2.6 / 6.5   |
| 44        | LL    |         |           |           |           |           |           |            |            | 55         | 78         | 107        | 142         | 184         |
|           | TL    |         |           |           |           |           |           |            |            | 61         | 90         | 127        | 172         | 226         |
|           | BRG   |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5  | 1.9 / 4.6   | 2.4 / 6     |
| 46        | LL    |         |           |           |           |           |           |            |            | 48         | 69         | 94         | 125         | 161         |
|           | TL    |         |           |           |           |           |           |            |            | 52         | 77         | 109        | 149         | 196         |
|           | BRG   |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.2  | 1.7 / 4.2   | 2.2 / 5.5   |
| 48        | LL    |         |           |           |           |           |           |            |            |            | 61         | 83         | 110         | 142         |
|           | TL    |         |           |           |           |           |           |            |            |            | 67         | 95         | 129         | 170         |
|           | BRG   |         |           |           |           |           |           |            |            |            | 1.5 / 3    | 1.5 / 3    | 1.6 / 3.9   | 2 / 5.1     |
| 50        | LL    |         |           |           |           |           |           |            |            |            | 54         | 73         | 97          | 126         |
|           | TL    |         |           |           |           |           |           |            |            |            | 57         | 82         | 112         | 149         |
|           | BRG   |         |           |           |           |           |           |            |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.6   | 1.9 / 4.7   |
| 52        | LL    |         |           |           |           |           |           |            |            |            |            | 65         | 87          | 112         |
|           | TL    |         |           |           |           |           |           |            |            |            |            | 71         | 98          | 131         |
|           | BRG   |         |           |           |           |           |           |            |            |            |            | 1.5 / 3    | 1.5 / 3.3   | 1.7 / 4.3   |
| 54        | LL    |         |           |           |           |           |           |            |            |            |            |            | 78          | 100         |
|           | TL    |         |           |           |           |           |           |            |            |            |            |            | 86          | 115         |
|           | BRG   |         |           |           |           |           |           |            |            |            |            | 1.5 / 3    | 1.5 / 3.1   | 1.6 / 4     |

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.

1-1/2" LVL members 14" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.

BRG = End / Interior = Required bearing length (inches), based on bearing stress of 750 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.

Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.

Nov. 2020

**3-Ply, 1.5" 2.1E true RigidLam LVL @ 125% Roof (PLF)**
**L/240 LL L/180 TL**
**Douglas-fir**
**ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)**

| Span (ft) | Depth | 4.375"  | 5.5"    | 7.25"     | 9.25"     | 9.5"      | 11.25"    | 11.875"   | 14"        | 16"        | 18"        | 20"        | 22"        | 24"        |
|-----------|-------|---------|---------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|
| 10        | LL    | 144     | 282     | 631       | 1269      | 1369      | 2195      | -         | -          | -          | -          | -          | -          | -          |
|           | TL    | 186     | 370     | 833       | 1681      | 1789      | 2290      | 2441      | 2978       | 3520       | 4100       | 4722       | 5391       | 6113       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.1 | 2.5 / 6.3 | 2.7 / 6.7 | 3.4 / 8.5 | 3.6 / 9.1 | 4.4 / 11.1 | 5.2 / 13.1 | 6.1 / 15.3 | 7 / 17.6   | 8 / 20.1   | 9.1 / 22.7 |
| 12        | LL    | 84      | 165     | 371       | 754       | 814       | 1318      | 1535      | -          | -          | -          | -          | -          | -          |
|           | TL    | 106     | 213     | 487       | 994       | 1074      | 1703      | 1886      | 2387       | 2803       | 3241       | 3705       | 4196       | 4717       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3   | 1.8 / 4.5 | 1.9 / 4.8 | 3.1 / 7.6 | 3.4 / 8.4 | 4.3 / 10.7 | 5 / 12.5   | 5.8 / 14.5 | 6.6 / 16.6 | 7.5 / 18.8 | 8.4 / 21.1 |
| 14        | LL    | 53      | 104     | 236       | 482       | 521       | 850       | 992       | 1581       | 2293       | -          | -          | -          | -          |
|           | TL    | 65      | 133     | 306       | 632       | 684       | 1119      | 1308      | 1884       | 2327       | 2679       | 3047       | 3433       | 3838       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3   | 1.5 / 3.3 | 1.5 / 3.6 | 2.3 / 5.9 | 2.7 / 6.9 | 3.9 / 9.9  | 4.9 / 12.2 | 5.6 / 14   | 6.4 / 15.9 | 7.2 / 17.9 | 8 / 20     |
| 16        | LL    |         | 70      | 159       | 327       | 353       | 578       | 676       | 1084       | 1581       | 2195       | -          | -          | -          |
|           | TL    |         | 87      | 204       | 424       | 459       | 757       | 887       | 1429       | 1850       | 2282       | 2586       | 2903       | 3234       |
|           | BRG   |         | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.8 / 4.6 | 2.1 / 5.3 | 3.4 / 8.6  | 4.4 / 11.1 | 5.5 / 13.6 | 6.2 / 15.5 | 6.9 / 17.4 | 7.7 / 19.3 |
| 18        | LL    |         | 49      | 112       | 231       | 250       | 410       | 480       | 773        | 1134       | 1581       | 2121       | -          | -          |
|           | TL    |         | 59      | 141       | 297       | 322       | 534       | 626       | 1015       | 1458       | 1820       | 2220       | 2515       | 2793       |
|           | BRG   |         | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.6 | 1.7 / 4.3 | 2.8 / 6.9  | 3.9 / 9.8  | 4.9 / 12.3 | 6 / 15     | 6.8 / 16.9 | 7.5 / 18.8 |
| 20        | LL    |         |         | 82        | 169       | 183       | 301       | 353       | 570        | 839        | 1174       | 1581       | 2063       | -          |
|           | TL    |         |         | 101       | 215       | 233       | 388       | 457       | 744        | 1099       | 1470       | 1794       | 2147       | 2457       |
|           | BRG   |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.5 | 2.3 / 5.6  | 3.3 / 8.3  | 4.4 / 11.1 | 5.4 / 13.5 | 6.4 / 16.1 | 7.4 / 18.4 |
| 22        | LL    |         |         | 62        | 128       | 138       | 228       | 267       | 432        | 637        | 895        | 1208       | 1581       | 2016       |
|           | TL    |         |         | 74        | 159       | 173       | 290       | 342       | 560        | 831        | 1171       | 1478       | 1770       | 2086       |
|           | BRG   |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.9 / 4.7  | 2.8 / 6.9  | 3.9 / 9.7  | 4.9 / 12.2 | 5.9 / 14.6 | 6.9 / 17.2 |
| 24        | LL    |         |         | 48        | 99        | 107       | 176       | 207       | 335        | 495        | 696        | 943        | 1237       | 1581       |
|           | TL    |         |         | 55        | 121       | 131       | 221       | 261       | 430        | 641        | 907        | 1233       | 1483       | 1748       |
|           | BRG   |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.6 / 4    | 2.3 / 5.9  | 3.3 / 8.3  | 4.5 / 11.2 | 5.4 / 13.4 | 6.3 / 15.8 |
| 26        | LL    |         |         |           | 78        | 84        | 139       | 163       | 265        | 392        | 552        | 749        | 985        | 1262       |
|           | TL    |         |         |           | 93        | 101       | 172       | 203       | 337        | 504        | 715        | 975        | 1260       | 1485       |
|           | BRG   |         |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.4  | 2 / 5      | 2.8 / 7.1  | 3.8 / 9.6  | 5 / 12.4   | 5.8 / 14.6 |
| 28        | LL    |         |         |           | 62        | 68        | 112       | 131       | 213        | 316        | 445        | 605        | 796        | 1022       |
|           | TL    |         |         |           | 72        | 79        | 135       | 161       | 267        | 402        | 572        | 783        | 1036       | 1277       |
|           | BRG   |         |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.7 / 4.4  | 2.5 / 6.2  | 3.3 / 8.4  | 4.4 / 11   | 5.4 / 13.5 |
| 30        | LL    |         |         |           | 51        | 55        | 91        | 107       | 174        | 258        | 364        | 495        | 653        | 839        |
|           | TL    |         |         |           | 57        | 62        | 108       | 128       | 215        | 325        | 464        | 636        | 844        | 1090       |
|           | BRG   |         |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3.8  | 2.2 / 5.4  | 2.9 / 7.3  | 3.9 / 9.7  | 5 / 12.4   |
| 32        | LL    |         |         |           |           |           | 75        | 88        | 144        | 213        | 301        | 410        | 541        | 696        |
|           | TL    |         |         |           |           |           | 87        | 103       | 175        | 265        | 380        | 523        | 696        | 900        |
|           | BRG   |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3.4  | 1.9 / 4.8  | 2.6 / 6.5  | 3.4 / 8.6  | 4.4 / 11   |
| 34        | LL    |         |         |           |           |           | 63        | 74        | 120        | 178        | 252        | 344        | 454        | 584        |
|           | TL    |         |         |           |           |           | 70        | 84        | 143        | 219        | 315        | 434        | 579        | 751        |
|           | BRG   |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.7 / 4.2  | 2.3 / 5.8  | 3 / 7.6    | 3.9 / 9.8  |
| 36        | LL    |         |         |           |           |           | 53        | 62        | 101        | 150        | 213        | 291        | 384        | 495        |
|           | TL    |         |         |           |           |           | 57        | 69        | 118        | 182        | 263        | 364        | 486        | 632        |
|           | BRG   |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8  | 2.1 / 5.2  | 2.7 / 6.8  | 3.5 / 8.8  |
| 38        | LL    |         |         |           |           |           |           | 53        | 86         | 128        | 182        | 248        | 328        | 423        |
|           | TL    |         |         |           |           |           |           | 56        | 98         | 152        | 221        | 307        | 411        | 535        |
|           | BRG   |         |         |           |           |           |           | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.4  | 1.9 / 4.7  | 2.5 / 6.2  | 3.2 / 7.9  |
| 40        | LL    |         |         |           |           |           |           |           | 74         | 110        | 156        | 213        | 282        | 364        |
|           | TL    |         |         |           |           |           |           |           | 82         | 128        | 187        | 260        | 350        | 457        |
|           | BRG   |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.1  | 1.7 / 4.2  | 2.2 / 5.6  | 2.9 / 7.2  |
| 42        | LL    |         |         |           |           |           |           |           | 64         | 95         | 135        | 185        | 244        | 316        |
|           | TL    |         |         |           |           |           |           |           | 69         | 108        | 159        | 222        | 300        | 392        |
|           | BRG   |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8  | 2 / 5.1    | 2.6 / 6.5  |
| 44        | LL    |         |         |           |           |           |           |           | 56         | 83         | 118        | 161        | 213        | 275        |
|           | TL    |         |         |           |           |           |           |           | 58         | 92         | 136        | 191        | 258        | 339        |
|           | BRG   |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5  | 1.9 / 4.6  | 2.4 / 6    |
| 46        | LL    |         |         |           |           |           |           |           |            | 73         | 103        | 141        | 187        | 242        |
|           | TL    |         |         |           |           |           |           |           |            | 78         | 116        | 164        | 223        | 294        |
|           | BRG   |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.2  | 1.7 / 4.2  | 2.2 / 5.5  |
| 48        | LL    |         |         |           |           |           |           |           |            | 64         | 91         | 124        | 165        | 213        |
|           | TL    |         |         |           |           |           |           |           |            | 66         | 100        | 142        | 194        | 256        |
|           | BRG   |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.6 / 3.9  | 2 / 5.1    |
| 50        | LL    |         |         |           |           |           |           |           |            | 57         | 81         | 110        | 146        | 189        |
|           | TL    |         |         |           |           |           |           |           |            | 57         | 86         | 123        | 169        | 223        |
|           | BRG   |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.6  | 1.9 / 4.7  |
| 52        | LL    |         |         |           |           |           |           |           |            |            | 72         | 98         | 130        | 168        |
|           | TL    |         |         |           |           |           |           |           |            |            | 74         | 107        | 147        | 196        |
|           | BRG   |         |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.3  | 1.7 / 4.3  |
| 54        | LL    |         |         |           |           |           |           |           |            |            | 64         | 88         | 116        | 150        |
|           | TL    |         |         |           |           |           |           |           |            |            | 64         | 93         | 129        | 172        |
|           | BRG   |         |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.1  | 1.6 / 4    |
| 56        | LL    |         |         |           |           |           |           |           |            |            | 57         | 79         | 104        | 135        |
|           | TL    |         |         |           |           |           |           |           |            |            | 55         | 81         | 113        | 152        |
|           | BRG   |         |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.7  |
| 58        | LL    |         |         |           |           |           |           |           |            |            |            | 71         | 94         | 122        |
|           | TL    |         |         |           |           |           |           |           |            |            |            | 71         | 99         | 134        |
|           | BRG   |         |         |           |           |           |           |           |            |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5  |

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.

1-1/2" LVL members 14" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.

BRG = End / Interior = Required bearing length (inches), based on bearing stress of 750 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.

Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.

**4-Ply, 1.5" 2.1E true RigidLam LVL @ 125% Roof (PLF)**
**L/240 LL L/180 TL**
**Douglas-fir**
**ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)**

| Span (ft) | Depth | 4.375"  | 5.5"    | 7.25"     | 9.25"     | 9.5"      | 11.25"    | 11.875"   | 14"        | 16"        | 18"        | 20"        | 22"        | 24"        |
|-----------|-------|---------|---------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|
| 10        | LL    | 191     | 376     | 842       | 1692      | 1825      | 2927      | -         | -          | -          | -          | -          | -          | -          |
|           | TL    | 248     | 493     | 1111      | 2242      | 2386      | 3053      | 3254      | 3971       | 4693       | 5466       | 6296       | 7188       | 8150       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.1 | 2.5 / 6.3 | 2.7 / 6.7 | 3.4 / 8.5 | 3.6 / 9.1 | 4.4 / 11.1 | 5.2 / 13.1 | 6.1 / 15.3 | 7 / 17.6   | 8 / 20.1   | 9.1 / 22.7 |
| 12        | LL    | 111     | 220     | 495       | 1005      | 1085      | 1758      | 2047      | -          | -          | -          | -          | -          | -          |
|           | TL    | 142     | 284     | 649       | 1325      | 1432      | 2271      | 2514      | 3183       | 3737       | 4322       | 4940       | 5595       | 6289       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3   | 1.8 / 4.5 | 1.9 / 4.8 | 3.1 / 7.6 | 3.4 / 8.4 | 4.3 / 10.7 | 5 / 12.5   | 5.8 / 14.5 | 6.6 / 16.6 | 7.5 / 18.8 | 8.4 / 21.1 |
| 14        | LL    | 70      | 139     | 315       | 643       | 695       | 1133      | 1322      | 2108       | 3057       | -          | -          | -          | -          |
|           | TL    | 87      | 177     | 409       | 843       | 912       | 1492      | 1744      | 2512       | 3103       | 3572       | 4062       | 4577       | 5118       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3   | 1.5 / 3.3 | 1.5 / 3.6 | 2.3 / 5.9 | 2.7 / 6.9 | 3.9 / 9.9  | 4.9 / 12.2 | 5.6 / 14   | 6.4 / 15.9 | 7.2 / 17.9 | 8 / 20     |
| 16        | LL    | 47      | 94      | 212       | 435       | 471       | 770       | 901       | 1445       | 2108       | 2927       | -          | -          | -          |
|           | TL    | 56      | 116     | 272       | 566       | 613       | 1009      | 1183      | 1905       | 2467       | 3042       | 3448       | 3871       | 4312       |
|           | BRG   | 1.5 / 3 | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.8 / 4.6 | 2.1 / 5.3 | 3.4 / 8.6  | 4.4 / 11.1 | 5.5 / 13.6 | 6.2 / 15.5 | 6.9 / 17.4 | 7.7 / 19.3 |
| 18        | LL    |         | 66      | 150       | 308       | 333       | 547       | 640       | 1031       | 1511       | 2108       | 2828       | -          | -          |
|           | TL    |         | 79      | 188       | 396       | 429       | 711       | 835       | 1353       | 1944       | 2427       | 2960       | 3353       | 3724       |
|           | BRG   |         | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.6 | 1.7 / 4.3 | 2.8 / 6.9  | 3.9 / 9.8  | 4.9 / 12.3 | 6 / 15     | 6.8 / 16.9 | 7.5 / 18.8 |
| 20        | LL    |         | 48      | 110       | 226       | 244       | 402       | 471       | 761        | 1118       | 1566       | 2108       | 2751       | -          |
|           | TL    |         | 55      | 135       | 286       | 311       | 518       | 609       | 992        | 1466       | 1961       | 2392       | 2863       | 3276       |
|           | BRG   |         | 1.5 / 3 | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.5 | 2.3 / 5.6  | 3.3 / 8.3  | 4.4 / 11.1 | 5.4 / 13.5 | 6.4 / 16.1 | 7.4 / 18.4 |
| 22        | LL    |         |         | 83        | 170       | 184       | 304       | 356       | 576        | 850        | 1193       | 1611       | 2108       | 2688       |
|           | TL    |         |         | 99        | 212       | 231       | 387       | 456       | 746        | 1108       | 1562       | 1971       | 2360       | 2781       |
|           | BRG   |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.9 / 4.7  | 2.8 / 6.9  | 3.9 / 9.7  | 4.9 / 12.2 | 5.9 / 14.6 | 6.9 / 17.2 |
| 24        | LL    |         |         | 64        | 132       | 142       | 235       | 275       | 447        | 660        | 929        | 1257       | 1649       | 2108       |
|           | TL    |         |         | 73        | 161       | 175       | 295       | 348       | 574        | 855        | 1210       | 1645       | 1977       | 2331       |
|           | BRG   |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.6 / 4    | 2.3 / 5.9  | 3.3 / 8.3  | 4.5 / 11.2 | 5.4 / 13.4 | 6.3 / 15.8 |
| 26        | LL    |         |         | 50        | 104       | 112       | 185       | 217       | 353        | 523        | 737        | 999        | 1313       | 1682       |
|           | TL    |         |         | 55        | 124       | 135       | 229       | 271       | 449        | 672        | 954        | 1300       | 1680       | 1980       |
|           | BRG   |         |         | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3.4  | 2 / 5      | 2.8 / 7.1  | 3.8 / 9.6  | 5 / 12.4   | 5.8 / 14.6 |
| 28        | LL    |         |         |           | 83        | 90        | 149       | 175       | 284        | 421        | 594        | 806        | 1062       | 1363       |
|           | TL    |         |         |           | 96        | 105       | 181       | 214       | 357        | 536        | 763        | 1044       | 1381       | 1702       |
|           | BRG   |         |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.7 / 4.4  | 2.5 / 6.2  | 3.3 / 8.4  | 4.4 / 11   | 5.4 / 13.5 |
| 30        | LL    |         |         |           | 68        | 73        | 121       | 142       | 232        | 344        | 485        | 660        | 870        | 1118       |
|           | TL    |         |         |           | 76        | 83        | 144       | 171       | 287        | 433        | 619        | 848        | 1126       | 1453       |
|           | BRG   |         |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3.8  | 2.2 / 5.4  | 2.9 / 7.3  | 3.9 / 9.7  | 5 / 12.4   |
| 32        | LL    |         |         |           | 56        | 60        | 100       | 118       | 191        | 284        | 402        | 547        | 722        | 929        |
|           | TL    |         |         |           | 60        | 66        | 116       | 138       | 233        | 353        | 507        | 698        | 928        | 1200       |
|           | BRG   |         |         |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3.4  | 1.9 / 4.8  | 2.6 / 6.5  | 3.4 / 8.6  | 4.4 / 11   |
| 34        | LL    |         |         |           |           | 50        | 84        | 98        | 160        | 238        | 336        | 458        | 605        | 779        |
|           | TL    |         |         |           |           | 52        | 94        | 112       | 191        | 291        | 420        | 579        | 772        | 1001       |
|           | BRG   |         |         |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.7 / 4.2  | 2.3 / 5.8  | 3 / 7.6    | 3.9 / 9.8  |
| 36        | LL    |         |         |           |           |           | 70        | 83        | 135        | 201        | 284        | 387        | 512        | 660        |
|           | TL    |         |         |           |           |           | 76        | 92        | 158        | 242        | 350        | 485        | 648        | 842        |
|           | BRG   |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8  | 2.1 / 5.2  | 2.7 / 6.8  | 3.5 / 8.8  |
| 38        | LL    |         |         |           |           |           | 60        | 70        | 115        | 171        | 242        | 330        | 437        | 564        |
|           | TL    |         |         |           |           |           | 62        | 75        | 131        | 203        | 294        | 409        | 548        | 714        |
|           | BRG   |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.4  | 1.9 / 4.7  | 2.5 / 6.2  | 3.2 / 7.9  |
| 40        | LL    |         |         |           |           |           | 51        | 60        | 99         | 147        | 208        | 284        | 376        | 485        |
|           | TL    |         |         |           |           |           | 51        | 62        | 110        | 170        | 249        | 347        | 467        | 609        |
|           | BRG   |         |         |           |           |           | 1.5 / 3   | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.1  | 1.7 / 4.2  | 2.2 / 5.6  | 2.9 / 7.2  |
| 42        | LL    |         |         |           |           |           |           | 52        | 85         | 127        | 180        | 246        | 326        | 421        |
|           | TL    |         |         |           |           |           |           | 51        | 92         | 144        | 212        | 296        | 400        | 523        |
|           | BRG   |         |         |           |           |           |           | 1.5 / 3   | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.8  | 2 / 5.1    | 2.6 / 6.5  |
| 44        | LL    |         |         |           |           |           |           |           | 74         | 111        | 157        | 214        | 284        | 367        |
|           | TL    |         |         |           |           |           |           |           | 77         | 122        | 181        | 254        | 344        | 451        |
|           | BRG   |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5  | 1.9 / 4.6  | 2.4 / 6    |
| 46        | LL    |         |         |           |           |           |           |           | 65         | 97         | 138        | 188        | 249        | 322        |
|           | TL    |         |         |           |           |           |           |           | 65         | 104        | 155        | 219        | 297        | 391        |
|           | BRG   |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.2  | 1.7 / 4.2  | 2.2 / 5.5  |
| 48        | LL    |         |         |           |           |           |           |           | 57         | 85         | 121        | 166        | 220        | 284        |
|           | TL    |         |         |           |           |           |           |           | 54         | 89         | 133        | 189        | 258        | 341        |
|           | BRG   |         |         |           |           |           |           |           | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.6 / 3.9  | 2 / 5.1    |
| 50        | LL    |         |         |           |           |           |           |           |            | 76         | 107        | 147        | 195        | 252        |
|           | TL    |         |         |           |           |           |           |           |            | 76         | 115        | 164        | 225        | 298        |
|           | BRG   |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.6  | 1.9 / 4.7  |
| 52        | LL    |         |         |           |           |           |           |           |            | 67         | 96         | 131        | 173        | 224        |
|           | TL    |         |         |           |           |           |           |           |            | 64         | 99         | 143        | 196        | 261        |
|           | BRG   |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.3  | 1.7 / 4.3  |
| 54        | LL    |         |         |           |           |           |           |           |            | 60         | 85         | 117        | 155        | 201        |
|           | TL    |         |         |           |           |           |           |           |            | 55         | 85         | 124        | 172        | 229        |
|           | BRG   |         |         |           |           |           |           |           |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.1  | 1.6 / 4    |
| 56        | LL    |         |         |           |           |           |           |           |            |            | 77         | 105        | 139        | 180        |
|           | TL    |         |         |           |           |           |           |           |            |            | 74         | 108        | 151        | 202        |
|           | BRG   |         |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.7  |
| 58        | LL    |         |         |           |           |           |           |           |            |            | 69         | 94         | 125        | 162        |
|           | TL    |         |         |           |           |           |           |           |            |            | 64         | 94         | 132        | 178        |
|           | BRG   |         |         |           |           |           |           |           |            |            | 1.5 / 3    | 1.5 / 3    | 1.5 / 3    | 1.5 / 3.5  |

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.

1-1/2" LVL members 14" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.

BRG = End / Interior = Required bearing length (inches), based on bearing stress of 750 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.

Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.