

Rosboro



Rosboro Manufactured Timber

- Preferred lengths
- Dry stable timber
- Full-Framing Width

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Rosboro RMT™. It's Real Wood.

For over 150 years, Douglas fir solid sawn timber has been the choice of builders around the nation. As old-growth forests have become increasingly protected, solid sawn timber in many grades and lengths has become less available. Responding to the demands of today's builders, Rosboro has created RMT (Rosboro Manufactured Timber), a cost effective alternative to solid sawn timber.

Equal Design Values

Rosboro RMT is manufactured to meet or exceed the published design values of solid sawn timber of the same size and grade. For example, an RMT timber stamped with WCLIB Select Structural or #1 will meet or exceed all the published design values for solid timber of the same size. The WCLIB certification is in compliance with the American Lumber Standards.

Straight and True

RMT is available in lengths of up to 60 feet and you will find that from the first piece to the last, everything is usable. Waste due to fall down is virtually eliminated.

Dependable Performance

For a number of reasons, RMT is superior to solid sawn timber. First and foremost, in nearly all conditions it will not twist, split, cup or warp—before or after it reaches the jobsite. Because the lam stock has been kiln dried to a moisture content of less than 15% before assembly, common problems seen in green timbers are virtually eliminated from the finished product.

Environmentally Friendly

Perhaps most important of all, by using RMT you're protecting the environment. Because it's a laminate, it can be made from smaller, faster growing trees cut from second and third generation forests.

RMT Sizes, Availability and Weight

| Nonimal Size | Net Dry Size | Weight (pounds per lineal foot) |
|--------------|--------------|------------------------------------|
| 3 x 6 | 2½ x 5½ | 3.2 |
| 3 x 8 | 2½ x 7¼ | 4.2 |
| 3 x 10 | 2½ x 9¼ | 5.4 |
| 3 x 12 | 2½ x 11¼ | 6.6 |
| 3 x 14 | 2½ x 13¼ | 7.7 |
| 3 x 16 | 2½ x 15¼ | 8.9 |
| 3 x 18 | 2½ x 17¼ | 10.0 |
| 4 x 6 | 3½ x 5½ | 4.8 |
| 4 x 8 | 3½ x 7¼ | 6.4 |
| 4 x 10 | 3½ x 9¼ | 8.0 |
| 4 x 12 | 3½ x 11¼ | 9.6 |
| 4 x 14 | 3½ x 13¼ | 11.2 |
| 4 x 16 | 3½ x 15¼ | 13.0 |
| 4 x 18 | 3½ x 17¼ | 14.7 |
| 6 x 6 | 5½ x 5½ | 7.4 |
| 6 x 8 | 5½ x 7½ | 10.0 |
| 6 x 10 | 5½ x 9½ | 12.7 |
| 6 x 12 | 5½ x 11½ | 15.4 |
| 6 x 14 | 5½ x 13½ | 18.0 |
| 6 x 16 | 5½ x 15½ | 20.7 |
| 6 x 18 | 5½ x 17½ | 23.4 |

Enjoy the Benefits of Building with RMT™

State of California DSA Certified

Along with WCLIB certification, RMT certified glued lumber is also California DSA certified and is accepted as an alternate building material for solid sawn lumber on State of California jobs. According to this certification, “RMT is acceptable for use in [California] public schools (K-12), state-owned and state-leased essential services buildings and California Community College projects...”

Uniform Dimensions and Common Sizes

Rosboro RMT is manufactured with uniform dimensions matching to solid sawn lumber. For example, a 6 x 10 RMT header will match typical 2 x 6 wall framing. No need for shims or planing to adjust for size variations when building with RMT.

RMT Grading Rules

Design values for all of the RMT sizes and grades are equal to the same size and grade of solid-sawn lumber and can be found in Section 7 of Standard No.17 Grading Rules for West Coast Lumber published by the West Coast Lumber Inspection Bureau.

- 3" and 4" nominal thickness is graded as Structural Joists and Planks, paragraph 123 .
- 6" nominal thickness is graded as paragraph 131 Posts and Timbers or paragraph 130 Beams and Stringers.

Rosboro Technical Support

The Rosboro website is now packed with technical literature for all of our products, including RMT. If you have immediate questions or issues while working with RMT, we also have a toll-free support hotline. Call and talk to the Rosboro technical staff, and get straight answers directly from the source.

Technical Support Hotline: 1-877-457-4139
www.rosboro.com



RMT: Beam and Header Design Values

Douglas Fir

Flexural Stress (F_b , psi)

| Nominal Size | Sel Str | No. 1 |
|--------------|---------|-------|
| 4 x 6 | 1,950 | 1,300 |
| 4 x 8 | 1,950 | 1,300 |
| 4 x 10 | 1,800 | 1,200 |
| 4 x 12 | 1,650 | 1,100 |
| 4 x 14 | 1,500 | 1,000 |
| 4 x 16 | 1,500 | 1,000 |
| 4 x 18 | 1,500 | 1,000 |
| 6 x 6 | 1,500 | 1,200 |
| 6 x 8 | 1,500 | 1,200 |
| 6 x 10 | 1,600 | 1,350 |
| 6 x 12 | 1,600 | 1,350 |
| 6 x 14 | 1,580 | 1,330 |
| 6 x 16 | 1,555 | 1,310 |
| 6 x 18 | 1,535 | 1,295 |

Horizontal Shear (F_v , psi)

| Nominal Size | Sel Str | No. 1 |
|--------------|---------|-------|
| 4 x ... | 180 | 180 |
| 6 x ... | 170 | 170 |

Modulus of Elasticity ($E \times 10^6$, psi)

| Nominal Size | Sel Str | No. 1 |
|--------------|---------|-------|
| 4 x ... | 1.9 | 1.7 |
| 6 x ... | 1.6 | 1.6 |

RMT: Column Design Values

Douglas Fir

| Nominal Size | Compression Parallel-to-Grain (F_c , psi) | | Modulus of Elasticity ($E \times 10^6$, psi) | |
|--------------|--|-------|--|-------|
| | Sel Str | No. 1 | Sel Str | No. 1 |
| 6 x 6 | 1,150 | 1,000 | 1.6 | 1.6 |
| 6 x 8 | 1,150 | 1,000 | 1.6 | 1.6 |

RMT: Allowable Uniform Floor Loads in pounds per lineal foot Douglas Fir

| Nominal Size | Grade | Span (feet) | | | | | | | | | | | |
|--------------|---------|-------------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 |
| 4 x 6 | Sel Str | 614 | 322 | 165 | 95 | 60 | 40 | - | - | - | - | - | - |
| | No. 1 | 410 | 230 | 147 | 85 | 54 | 36 | - | - | - | - | - | - |
| 4 x 8 | Sel Str | 1,068 | 601 | 377 | 218 | 137 | 92 | 65 | 47 | 35 | - | - | - |
| | No. 1 | 712 | 400 | 256 | 178 | 123 | 82 | 58 | 42 | 32 | - | - | - |
| 4 x 10 | Sel Str | 1,604 | 902 | 578 | 401 | 285 | 191 | 134 | 98 | 74 | 57 | 45 | 36 |
| | No. 1 | 1,070 | 602 | 385 | 267 | 196 | 150 | 119 | 88 | 66 | 51 | 40 | 32 |
| 4 x 12 | Sel Str | 2,175 | 1,224 | 783 | 544 | 400 | 306 | 242 | 176 | 132 | 102 | 80 | 64 |
| | No. 1 | 1,450 | 816 | 522 | 363 | 266 | 204 | 161 | 131 | 108 | 91 | 72 | 57 |
| 4 x 14 | Sel Str | 2,743 | 1,543 | 988 | 686 | 504 | 386 | 305 | 247 | 204 | 167 | 131 | 105 |
| | No. 1 | 1,829 | 1,029 | 658 | 457 | 336 | 257 | 203 | 165 | 136 | 114 | 97 | 84 |
| 4 x 16 | Sel Str | 3,572 | 2,044 | 1,308 | 908 | 667 | 511 | 404 | 327 | 270 | 227 | 194 | 160 |
| | No. 1 | 2,423 | 1,363 | 872 | 606 | 445 | 341 | 269 | 218 | 180 | 151 | 129 | 111 |
| 4 x 18 | Sel Str | 4,471 | 2,615 | 1,674 | 1,162 | 854 | 654 | 517 | 418 | 346 | 291 | 248 | 213 |
| | No. 1 | 3,100 | 1,744 | 1,116 | 775 | 569 | 436 | 344 | 279 | 231 | 194 | 165 | 142 |

| Nominal Size | Grade | Span (feet) | | | | | | | | | | | |
|--------------|---------|-------------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|
| | | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 |
| 6 x 6 | Sel Str | 735 | 414 | 216 | 125 | 79 | 53 | 37 | - | - | - | - | - |
| | No. 1 | 588 | 331 | 212 | 125 | 79 | 53 | 37 | - | - | - | - | - |
| 6 x 8 | Sel Str | 1,278 | 719 | 460 | 286 | 180 | 121 | 85 | 62 | 46 | 36 | - | - |
| | No. 1 | 1,022 | 575 | 368 | 256 | 180 | 121 | 85 | 62 | 46 | 36 | - | - |
| 6 x 10 | Sel Str | 2,218 | 1,248 | 799 | 555 | 374 | 250 | 176 | 128 | 96 | 74 | 58 | 47 |
| | No. 1 | 1,872 | 1,053 | 674 | 468 | 344 | 250 | 176 | 128 | 96 | 74 | 58 | 47 |
| 6 x 12 | Sel Str | 3,245 | 1,846 | 1,181 | 820 | 603 | 451 | 316 | 231 | 173 | 134 | 105 | 84 |
| | No. 1 | 2,769 | 1,557 | 997 | 692 | 509 | 389 | 308 | 231 | 173 | 134 | 105 | 84 |
| 6 x 14 | Sel Str | 4,158 | 2,527 | 1,617 | 1,123 | 825 | 632 | 499 | 377 | 283 | 218 | 172 | 137 |
| | No. 1 | 3,789 | 2,131 | 1,364 | 947 | 696 | 533 | 421 | 341 | 282 | 218 | 172 | 137 |
| 6 x 16 | Sel Str | 5,247 | 3,296 | 2,110 | 1,465 | 1,076 | 824 | 651 | 527 | 432 | 333 | 262 | 209 |
| | No. 1 | 4,944 | 2,781 | 1,780 | 1,236 | 908 | 695 | 549 | 445 | 368 | 309 | 262 | 209 |
| 6 x 18 | Sel Str | 6,569 | 4,005 | 2,663 | 1,849 | 1,359 | 1,040 | 822 | 666 | 550 | 462 | 379 | 303 |
| | No. 1 | 6,239 | 3,510 | 2,246 | 1,560 | 1,146 | 877 | 693 | 562 | 464 | 390 | 332 | 286 |

Notes:

1. A live-load-to-dead-load ratio of 4 is assumed. For example: Design loads of a 40 psf live load and a 10 psf dead load.
2. Deflection Limit is set at L/360 for Live Load only.
3. The tabulated loads apply to normal load duration designs, LDF = 1.00.

**RMT: Allowable Uniform Roof Live (Snow) Loads in pounds per lineal foot
Douglas Fir**

| RMT™ | Nominal Size | Grade | Span (feet) | | | | | | | | | | | |
|---|--------------|---------|-------------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 |
| Roof Beam Snow Simple Span (LDF = 1.15) | 4 x 6 | Sel Str | 707 | 397 | 254 | 152 | 96 | 64 | 45 | - | - | - | - | - |
| | | No. 1 | 471 | 265 | 170 | 118 | 86 | 58 | 40 | - | - | - | - | - |
| | 4 x 8 | Sel Str | 1,228 | 691 | 442 | 307 | 220 | 147 | 103 | 75 | 57 | 44 | 34 | - |
| | | No. 1 | 819 | 460 | 295 | 205 | 150 | 115 | 91 | 67 | 51 | 39 | 31 | - |
| | 4 x 10 | Sel Str | 1,845 | 1,038 | 664 | 461 | 339 | 259 | 205 | 157 | 118 | 91 | 71 | 57 |
| | | No. 1 | 1,230 | 692 | 443 | 307 | 226 | 173 | 137 | 111 | 91 | 77 | 64 | 51 |
| | 4 x 12 | Sel Str | 2,502 | 1,407 | 901 | 625 | 459 | 352 | 278 | 225 | 186 | 156 | 128 | 103 |
| | | No. 1 | 1,668 | 938 | 600 | 417 | 306 | 235 | 185 | 150 | 124 | 104 | 89 | 77 |
| | 4 x 14 | Sel Str | 3,155 | 1,774 | 1,136 | 789 | 579 | 444 | 351 | 284 | 235 | 197 | 168 | 145 |
| | | No. 1 | 2,103 | 1,183 | 757 | 526 | 386 | 296 | 234 | 189 | 156 | 131 | 112 | 97 |
| | 4 x 16 | Sel Str | 4,108 | 2,351 | 1,504 | 1,045 | 768 | 588 | 464 | 376 | 311 | 261 | 223 | 192 |
| | | No. 1 | 2,786 | 1,567 | 1,003 | 696 | 512 | 392 | 310 | 251 | 207 | 174 | 148 | 128 |
| | 4 x 18 | Sel Str | 5,142 | 3,008 | 1,925 | 1,337 | 982 | 752 | 594 | 481 | 398 | 334 | 285 | 246 |
| | | No. 1 | 3,565 | 2,005 | 1,283 | 891 | 655 | 501 | 396 | 321 | 265 | 223 | 190 | 164 |

| RMT™ | Nominal Size | Grade | Span (feet) | | | | | | | | | | | |
|---|--------------|---------|-------------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|
| | | | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 |
| Roof Beam Snow Simple Span (LDF = 1.15) | 6 x 6 | Sel Str | 846 | 476 | 304 | 200 | 126 | 84 | 59 | 43 | 32 | - | - | - |
| | | No. 1 | 676 | 380 | 244 | 169 | 124 | 84 | 59 | 43 | 32 | - | - | - |
| | 6 x 8 | Sel Str | 1,469 | 826 | 529 | 367 | 270 | 193 | 136 | 99 | 74 | 57 | 45 | 36 |
| | | No. 1 | 1,175 | 661 | 423 | 294 | 216 | 165 | 131 | 99 | 74 | 57 | 45 | 36 |
| | 6 x 10 | Sel Str | 2,551 | 1,435 | 918 | 638 | 469 | 359 | 281 | 205 | 154 | 119 | 93 | 75 |
| | | No. 1 | 2,152 | 1,211 | 775 | 538 | 395 | 303 | 239 | 194 | 154 | 119 | 93 | 75 |
| | 6 x 12 | Sel Str | 3,732 | 2,123 | 1,358 | 943 | 693 | 531 | 419 | 340 | 277 | 214 | 168 | 135 |
| | | No. 1 | 3,184 | 1,791 | 1,146 | 796 | 585 | 448 | 354 | 287 | 237 | 199 | 168 | 135 |
| | 6 x 14 | Sel Str | 4,782 | 2,906 | 1,860 | 1,291 | 949 | 726 | 574 | 465 | 384 | 323 | 275 | 220 |
| | | No. 1 | 4,358 | 2,451 | 1,569 | 1,089 | 800 | 613 | 484 | 392 | 324 | 272 | 232 | 200 |
| | 6 x 16 | Sel Str | 6,035 | 3,791 | 2,426 | 1,685 | 1,238 | 948 | 749 | 606 | 501 | 421 | 359 | 309 |
| | | No. 1 | 5,686 | 3,198 | 2,047 | 1,421 | 1,044 | 800 | 632 | 512 | 423 | 355 | 303 | 261 |
| | 6 x 18 | Sel Str | 7,554 | 4,606 | 3,062 | 2,126 | 1,562 | 1,196 | 945 | 766 | 633 | 532 | 453 | 391 |
| | | No. 1 | 7,175 | 4,036 | 2,583 | 1,794 | 1,318 | 1,009 | 797 | 646 | 534 | 448 | 382 | 329 |

Notes:

1. A live-load-to-dead-load ratio of 3 is assumed. For example: Design loads of a 30 psf live load and a 10 psf dead load.
2. Deflection Limit is set at L/240 for Live Load only.
3. The tabulated loads apply to snow load duration designs, LDF = 1.15.

Allowable Uniform Roof (Non-Snow) Loads

RMT: Allowable Uniform Roof Live (Non-Snow) Loads in pounds per lineal foot Douglas Fir

| Nominal Size | Grade | Span (feet) | | | | | | | | | | | |
|--------------|---------|-------------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|
| | | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 |
| 4 x 6 | Sel Str | 768 | 432 | 263 | 152 | 96 | 64 | 45 | - | - | - | - | - |
| | No. 1 | 512 | 288 | 184 | 128 | 86 | 58 | 40 | - | - | - | - | - |
| 4 x 8 | Sel Str | 1,335 | 751 | 480 | 334 | 220 | 147 | 103 | 75 | 57 | 44 | 34 | - |
| | No. 1 | 890 | 500 | 320 | 222 | 163 | 125 | 93 | 67 | 51 | 39 | 31 | - |
| 4 x 10 | Sel Str | 2,005 | 1,128 | 722 | 501 | 368 | 282 | 215 | 157 | 118 | 91 | 71 | 57 |
| | No. 1 | 1,337 | 752 | 481 | 334 | 246 | 188 | 149 | 120 | 99 | 81 | 64 | 51 |
| 4 x 12 | Sel Str | 2,719 | 1,530 | 979 | 680 | 499 | 382 | 302 | 245 | 202 | 163 | 128 | 103 |
| | No. 1 | 1,813 | 1,020 | 653 | 453 | 333 | 255 | 201 | 163 | 135 | 113 | 97 | 83 |
| 4 x 14 | Sel Str | 3,429 | 1,929 | 1,234 | 857 | 630 | 482 | 381 | 309 | 255 | 214 | 183 | 157 |
| | No. 1 | 2,286 | 1,286 | 823 | 571 | 420 | 321 | 254 | 206 | 170 | 143 | 122 | 105 |
| 4 x 16 | Sel Str | 4,465 | 2,555 | 1,635 | 1,136 | 834 | 639 | 505 | 409 | 338 | 284 | 242 | 209 |
| | No. 1 | 3,028 | 1,703 | 1,090 | 757 | 556 | 426 | 336 | 273 | 225 | 189 | 161 | 139 |
| 4 x 18 | Sel Str | 5,589 | 3,269 | 2,092 | 1,453 | 1,067 | 817 | 646 | 523 | 432 | 363 | 310 | 267 |
| | No. 1 | 3,875 | 2,179 | 1,395 | 969 | 712 | 545 | 431 | 349 | 288 | 242 | 206 | 178 |

| Nominal Size | Grade | Span (feet) | | | | | | | | | | | |
|--------------|---------|-------------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|
| | | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 |
| 6 x 6 | Sel Str | 919 | 517 | 331 | 200 | 126 | 84 | 59 | 43 | 32 | - | - | - |
| | No. 1 | 735 | 414 | 265 | 184 | 126 | 84 | 59 | 43 | 32 | - | - | - |
| 6 x 8 | Sel Str | 1,597 | 898 | 575 | 399 | 288 | 193 | 136 | 99 | 74 | 57 | 45 | 36 |
| | No. 1 | 1,278 | 719 | 460 | 319 | 235 | 180 | 136 | 99 | 74 | 57 | 45 | 36 |
| 6 x 10 | Sel Str | 2,773 | 1,560 | 998 | 693 | 509 | 390 | 281 | 205 | 154 | 119 | 93 | 75 |
| | No. 1 | 2,340 | 1,316 | 842 | 585 | 430 | 329 | 260 | 205 | 154 | 119 | 93 | 75 |
| 6 x 12 | Sel Str | 4,057 | 2,307 | 1,477 | 1,025 | 753 | 577 | 456 | 369 | 277 | 214 | 168 | 135 |
| | No. 1 | 3,461 | 1,947 | 1,246 | 865 | 636 | 487 | 385 | 311 | 257 | 214 | 168 | 135 |
| 6 x 14 | Sel Str | 5,198 | 3,158 | 2,021 | 1,404 | 1,031 | 790 | 624 | 505 | 418 | 349 | 275 | 220 |
| | No. 1 | 4,737 | 2,664 | 1,705 | 1,184 | 870 | 666 | 526 | 426 | 352 | 296 | 252 | 217 |
| 6 x 16 | Sel Str | 6,559 | 4,120 | 2,637 | 1,831 | 1,345 | 1,030 | 814 | 659 | 545 | 458 | 390 | 335 |
| | No. 1 | 6,180 | 3,476 | 2,225 | 1,545 | 1,135 | 869 | 687 | 556 | 460 | 386 | 329 | 284 |
| 6 x 18 | Sel Str | 8,211 | 5,007 | 3,328 | 2,311 | 1,698 | 1,300 | 1,027 | 832 | 688 | 578 | 492 | 425 |
| | No. 1 | 7,799 | 4,387 | 2,808 | 1,950 | 1,432 | 1,097 | 867 | 702 | 580 | 487 | 415 | 358 |

Notes:

1. A live-load-to-dead-load ratio of 3 is assumed. For example: Design loads of a 30 psf live load and a 10 psf dead load.
2. Deflection Limit is set at L/240 for Live Load only.
3. The tabulated loads apply to roof live load duration designs, LDF = 1.25.

RMT: Allowable Axial Compression Column Loads in pounds
Douglas Fir

| RMT™ | Nominal Size | Grade | Nominal Grade Effective Column Length (feet) | | | | | | | | | | | | | | | |
|--------------------------------------|--------------|---------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| | | | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| Columns Floor Loads LDF = 1.00 | 6 x 6 | Sel Str | 29,328 | 27,518 | 25,291 | 22,786 | 20,226 | 17,807 | 15,639 | 13,753 | 12,137 | 10,759 | 9,585 | 8,581 | 7,720 | 6,977 | 6,334 | 5,773 |
| | | No. 1 | 26,031 | 24,721 | 23,078 | 21,156 | 19,086 | 17,029 | 15,107 | 13,385 | 11,876 | 10,570 | 9,445 | 8,475 | 7,638 | 6,913 | 6,283 | 5,732 |
| | 6 x 8 | Sel Str | 38,660 | 36,273 | 33,338 | 30,036 | 26,661 | 23,472 | 20,614 | 18,129 | 15,999 | 14,183 | 12,635 | 11,312 | 10,177 | 9,198 | 8,349 | 7,609 |
| | | No. 1 | 34,314 | 32,586 | 30,421 | 27,887 | 25,159 | 22,447 | 19,914 | 17,643 | 15,655 | 13,933 | 12,450 | 11,172 | 10,069 | 9,113 | 8,282 | 7,555 |

| RMT™ | Nominal Size | Grade | Nominal Grade Effective Column Length (feet) | | | | | | | | | | | | | | | |
|---|--------------|---------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| | | | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| Columns Roof Loads LDF = 1.15 (Snow) | 6 x 6 | Sel Str | 32,886 | 30,401 | 27,440 | 24,277 | 21,221 | 18,466 | 16,083 | 14,059 | 12,354 | 10,917 | 9,702 | 8,670 | 7,789 | 7,031 | 6,377 | 5,807 |
| | | No. 1 | 29,328 | 27,518 | 25,291 | 22,786 | 20,226 | 17,807 | 15,639 | 13,753 | 12,137 | 10,759 | 9,585 | 8,581 | 7,720 | 6,977 | 6,334 | 5,773 |
| | 6 x 8 | Sel Str | 43,350 | 40,074 | 36,171 | 32,002 | 27,973 | 24,342 | 21,200 | 18,533 | 16,284 | 14,390 | 12,789 | 11,429 | 10,267 | 9,269 | 8,405 | 7,655 |
| | | No. 1 | 38,660 | 36,273 | 33,338 | 30,036 | 26,661 | 23,472 | 20,614 | 18,129 | 15,999 | 14,183 | 12,635 | 11,312 | 10,177 | 9,198 | 8,349 | 7,609 |

| RMT™ | Nominal Size | Grade | Nominal Grade Effective Column Length (feet) | | | | | | | | | | | | | | | |
|---|--------------|---------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| | | | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| Columns Roof Loads LDF = 1.25 (Non-Snow) | 6 x 6 | Sel Str | 35,115 | 32,129 | 28,662 | 25,087 | 21,744 | 18,808 | 16,311 | 14,216 | 12,465 | 10,998 | 9,762 | 8,716 | 7,824 | 7,059 | 6,399 | 5,825 |
| | | No. 1 | 31,422 | 29,232 | 26,585 | 23,695 | 20,837 | 18,214 | 15,913 | 13,942 | 12,271 | 10,857 | 9,657 | 8,636 | 7,763 | 7,011 | 6,360 | 5,794 |
| | 6 x 8 | Sel Str | 46,288 | 42,352 | 37,781 | 33,069 | 28,663 | 24,792 | 21,501 | 18,740 | 16,431 | 14,497 | 12,869 | 11,490 | 10,314 | 9,306 | 8,435 | 7,679 |
| | | No. 1 | 41,420 | 38,534 | 35,044 | 31,234 | 27,467 | 24,009 | 20,976 | 18,379 | 16,175 | 14,311 | 12,730 | 11,384 | 10,232 | 9,241 | 8,384 | 7,638 |

Notes:

1. Tabulated loads are for simple wood columns subjected to concentric compression loads only. For columns with non-concentric loads or bending loads, the tabulated load does not apply.
2. Table assumes simple column unbraced except at the ends and the effective column length is equal to the actual column.
3. The National Design Specification for Wood Construction limits solid wood columns to slenderness ratio (length divided by thickness) not exceeding 50 (NDS 2001 Section 3.7.1.4).

Rosboro

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