

ROSBORO™ MANUFACTURED TIMBER™



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.

Direct Timber Substitute

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.

State of California DSA Certified

RMT is California DSA certified and is accepted as an alternate building material for solid sawn lumber on State of California jobs.

Key Benefits

- Surfaced solid timber sizes
- S4S square edge and kiln dried
- Readily available
- Paper wrapped units
- Double end trimmed
- WCLIB grade stamped both ends
- Pre-cut lengths: 16', 18', 20', 22', 24'
- Custom lengths up to 60'





**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 |

RMT Sizes, Availability and Weight

| Nominal Size | Net Dry Size | Weight (pounds per lineal foot) |
|--------------|----------------|------------------------------------|
| 3 x 6 | 2 1/2 x 5 1/2 | 3.2 |
| 3 x 8 | 2 1/2 x 7 1/4 | 4.2 |
| 3 x 10 | 2 1/2 x 9 1/4 | 5.4 |
| 3 x 12 | 2 1/2 x 11 1/4 | 6.6 |
| 3 x 14 | 2 1/2 x 13 3/4 | 7.7 |
| 3 x 16 | 2 1/2 x 15 1/4 | 8.9 |
| 3 x 18 | 2 1/2 x 17 1/4 | 10.0 |
| 4 x 6 | 3 1/2 x 5 1/2 | 4.8 |
| 4 x 8 | 3 1/2 x 7 1/4 | 6.4 |
| 4 x 10 | 3 1/2 x 9 1/4 | 8.0 |
| 4 x 12 | 3 1/2 x 11 1/4 | 9.6 |
| 4 x 14 | 3 1/2 x 13 3/4 | 11.2 |
| 4 x 16 | 3 1/2 x 15 1/4 | 13.0 |
| 4 x 18 | 3 1/2 x 17 1/4 | 14.7 |
| 6 x 6 | 5 1/2 x 5 1/2 | 7.4 |
| 6 x 8 | 5 1/2 x 7 1/2 | 10.0 |
| 6 x 10 | 5 1/2 x 9 1/2 | 12.7 |
| 6 x 12 | 5 1/2 x 11 1/2 | 15.4 |
| 6 x 14 | 5 1/2 x 13 1/2 | 18.0 |
| 6 x 16 | 5 1/2 x 15 1/2 | 20.7 |
| 6 x 18 | 5 1/2 x 17 1/2 | 23.4 |

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 |

Contact Rosboro Lumber Sales for more information about RMT.

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