

# WALLS BUILT RIGHT

## WITH WEYERHAEUSER FRAMER SERIES® LUMBER

### STRUCTURAL FRAMING LUMBER WITH PREDICTABLE PERFORMANCE

Each piece of Weyerhaeuser Framer Series Lumber is performance tested to meet specific strength and density requirements. Because it's more stable than commodity boards, Framer Series lumber is ideal for any non-exposed application—even those where vertical-use-only products aren't allowed. That gives crews more flexibility at the job site and helps reduce the potential for red tags.

- Computerized grading virtually eliminates warp
- Comes with crown edge clearly marked
- Eliminates field culling
- Treated with a mold inhibitor
- More stable and consistent than ordinary lumber
- Limited product warranty



**WEYERHAEUSER FRAMER SERIES® LUMBER**

# FRAME A WALL RIGHT— THE FIRST TIME, EVERY TIME.



Weyerhaeuser Framers Series lumber is mechanically graded to virtually eliminate warping, and each board comes with the crown clearly marked to speed up installation. With lumber like this, framing goes up fast, crews won't spend valuable time culling, and there's less material waste when the job is done.

Framer Series lumber is available in 2x4 and 2x6 nominal sizes and in the following standard and customer precision-end-trimmed (PET) lengths:

92<sup>5</sup>/<sub>8</sub>" • 93" • 96" • 104<sup>5</sup>/<sub>8</sub>" • 105" • 116<sup>5</sup>/<sub>8</sub>" • 117" • 120" • 128<sup>5</sup>/<sub>8</sub>" • 140<sup>5</sup>/<sub>8</sub>"

## Allowable Design Stresses (100% Load Duration)

### 2x4 Lumber Comparison

		Framer Series Lumber	
		SP M-9	SP 1650
Modulus of elasticity (psi)	E =	1.4 x 10 <sup>6</sup>	1.5 x 10 <sup>6</sup>
Flexural stress (psi)	F <sub>b</sub> =	1,400	1,650
Tension stress (psi)	F <sub>t</sub> =	800	1,020
Compression perpendicular to grain (psi)	F <sub>c⊥</sub> =	565	565
Compression parallel to grain (psi)	F <sub>c  </sub> =	1,600	1,700
Horizontal shear parallel to grain (psi)	F <sub>v</sub> =	175	175

Commodity Grades					
SPF Stud	SPF #2	DF-L Stud	DF-L #2	HF #2	SP #2
1.2 x 10 <sup>6</sup>	1.4 x 10 <sup>6</sup>	1.4 x 10 <sup>6</sup>	1.6 x 10 <sup>6</sup>	1.3 x 10 <sup>6</sup>	1.4 x 10 <sup>6</sup>
740	1,310	770	1,350	1,275	1,100
385	675	495	860	785	675
425	425	625	625	405	565
760	1,320	890	1,550	1,495	1,450
135	135	180	180	150	175

### 2x6 Lumber Comparison

		Framer Series Lumber
		SP M-12
Modulus of elasticity (psi)	E =	1.6 x 10 <sup>6</sup>
Flexural stress (psi)	F <sub>b</sub> =	1,600
Tension stress (psi)	F <sub>t</sub> =	850
Compression perpendicular to grain (psi)	F <sub>c⊥</sub> =	565
Compression parallel to grain (psi)	F <sub>c  </sub> =	1,675
Horizontal shear parallel to grain (psi)	F <sub>v</sub> =	175

Commodity Grades					
SPF Stud	SPF #2	DF-L Stud	DF-L #2	HF #2	SP #2
1.2 x 10 <sup>6</sup>	1.4 x 10 <sup>6</sup>	1.4 x 10 <sup>6</sup>	1.6 x 10 <sup>6</sup>	1.3 x 10 <sup>6</sup>	1.4 x 10 <sup>6</sup>
675	1,135	700	1,170	1,105	1,000
350	585	450	745	680	600
425	425	625	625	405	565
725	1,265	850	1,485	1,430	1,400
135	135	180	180	150	175


- Design values based on *Tables 4A, 4B, 4C, NDS® Supplement 2015*.
- SP M-9 and SP 1650 values meet or exceed those of SPF #2, HF #2, and SP #2, making Weyerhaeuser Framers Series lumber acceptable for use in any code-evaluated application that allows those products.

**CONTACT US | 888.453.8358 | WEYERHAEUSER.COM**



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