

WESTERN ENGINEERED WOOD PRODUCTS
VERSA-STUD[®] 1.7 2400

Stronger

Straighter

Stiffer

Longer



Better homes from better builders —
by design . . .with **VERSA-STUD**[®] wall framing

BOISE VERSA-STUD® 1.7 2400

Engineered Studs for Tall Walls

VERSA-STUD® 1.7 2400 laminated veneer lumber wall framing is engineered for the high quality builder who wants . . .

- Stronger walls to resist wind loads
- Stiffer walls for a solid feel
- Straight walls for a high quality finish

Long, continuous **VERSA-STUD® 1.7 2400** wall framing to provide superior strength, stiffness, and appearance in any tall wall application. **VERSA-STUD® 1.7 2400** wall framing provides more resistance to wind pressure than walls framed with dimension lumber and eliminates the hinge created by platform framing. $1\frac{1}{2}'' \times 5\frac{1}{2}''$ **VERSA-STUD® 1.7 2400** wall framing has two times more bending strength than No. 2 DF 2x6 studs.



Available from better lumber yards in lengths up to 24 feet

$1\frac{1}{2}''$ VERSA-STUD 1.7 2400 Allowable Design Values

Product	Bending F_b [psi] ^{(1) (2)}	Compression Parallel to Grain F_c [psi] ⁽¹⁾	Horizontal Shear F_v [psi] ⁽¹⁾	Modulus of Elasticity E [psi]
VERSA-STUD® 1.7 2400 $1\frac{1}{2}'' \times 5\frac{1}{2}''$	2720	3000	285	1,700,000
Douglas-Fir #2 Grade 2x6	1345	1350	180	1,600,000
Spruce Pine Fir (North) #1 / #2 Grade 2x6	1310	1150	135	1,400,000
Hem-Fir #2 Grade 2x6	1270	1300	150	1,300,000
Western Woods #2 Grade 2x6	1010	900	135	1,000,000

(1) Load duration factor may be applied to design stresses.

(2) Repetitive member and size factors have been applied to bending stresses.

— Design values are for loads applied to the narrow face of the studs.

— Dimension lumber values taken from 2001 Edition, *NDS Design Values for Wood Construction* (per 2003 IBC/IRC).

$1\frac{1}{2}''$ VERSA-STUD 1.7 2400 Design Properties

Width [in]	Depth [in]	Weight [lb/ft]	Allowable Shear [lb]	Allowable Moment [lb-ft]	Moment of Inertia (I) [in ⁴]
$1\frac{1}{2}$	$3\frac{1}{2}$	1.3	998	702	5.4
$1\frac{1}{2}$	$5\frac{1}{2}$	2.1	1568	1649	20.8
$1\frac{1}{2}$	$7\frac{1}{4}$	2.8	2066	2779	47.6
$1\frac{1}{2}$	$9\frac{1}{4}$	3.6	2636	4404	98.9
$1\frac{1}{2}$	$11\frac{1}{4}$	4.3	3206	6374	178.0

For information about Boise's engineered wood products, including sales terms and conditions, warranties and disclaimers,

visit our website at www.BC.com/ewp