



PW LVL STUDS

LAMINATED VENEER LUMBER ENGINEERED FOR TALL-WALL FRAMING

Build tall walls with confidence. Extra-long PW LVL Stud wall framing offers a stronger, stiffer, and straighter product than dimension lumber for all your tall-wall applications. PW LVL Stud is competitive in materials cost and is easy to handle and install, which can result in shorter construction schedules, saving you time and money.

Use beam-calculating software for better optimization of material selection and on-center spacing.

PW LVL Studs are available in virtually any length.

PW LVL STUD DESIGN PROPERTY COMPARISON⁽¹⁾⁽²⁾

Product		Modulus of Elasticity E (psi)	Bending F _b (psi) ⁽³⁾	Horizontal Shear F _v (psi)	Compression Parallel to Grain F _c (psi) ⁽⁴⁾
2 x 4	1.5" x 3.5" x 2.0E PW LVL	2000000	4125	285	2750
	1.5" x 3.5" x 1.8E PW LVL	1800000	3660	285	2450
	1.5" x 3.5" x 1.5E PW LVL	1500000	2995	230	1950
	2x4 Douglas Fir-Larch No. 2	1600000	1555	180	1550
	2x4 Spruce-Pine-Fir No. 1 / No. 2	1400000	1510	135	1325
	2x4 Hem-Fir No. 2	1300000	1465	150	1495
	2x4 Western Woods No. 2	1000000	1165	135	1035
	2 x 6	1.5" x 5.5" x 2.0E PW LVL	2000000	3770	285
1.5" x 5.5" x 1.8E PW LVL		1800000	3345	285	2450
1.5" x 5.5" x 1.5E PW LVL		1500000	2735	230	1950
2x6 Douglas Fir-Larch No. 2		1600000	1345	180	1485
2x6 Spruce-Pine-Fir No. 1 / No. 2		1400000	1310	135	1265
2x6 Hem-Fir No. 2		1300000	1270	150	1430
2x6 Western Woods No. 2		1000000	1010	135	990
2 x 8		1.5" x 7.25" x 2.0E PW LVL	2000000	3565	285
	1.5" x 7.25" x 1.8E PW LVL	1800000	3165	285	2450
	1.5" x 7.25" x 1.5E PW LVL	1500000	2590	230	1950
	2x8 Douglas Fir-Larch No. 2	1600000	1240	180	1420
	2x8 Spruce-Pine-Fir No. 1 / No. 2	1400000	1205	135	1210
	2x8 Hem-Fir No. 2	1300000	1175	150	1365
	2x8 Western Woods No. 2	1000000	930	135	945

(1) Refer to APA PR-L233 for PW LVL adjustment factors and other design properties.

(2) Refer to the 2015 NDS[®] for lumber adjustment factors and other design properties.

(3) Load applied to the narrow face of the member. Repetitive member and size factors have been applied where applicable.

(4) Size factors have been applied to lumber values where applicable.