

E N G I N E E R E D W O O D

P R O D U C T S



TALL WALL STUDS

TECHNICAL DATA

FOR PWLVL

STUDS & COLUMNS

PACIFIC
WOODTECH
CORPORATION



PW STUDS

LAMINATED VENEER LUMBER ENGINEERED FOR TALL WALL FRAMING

Build tall walls with confidence. Extra long PW Stud wall framing LVL offers a stronger, stiffer, and straighter product than dimension lumber for all your tall-wall applications. PW 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.

DON'T OVERBUILD! Use beam-calculating software for better optimization of material selection and on-center spacing.

PW Studs are available in virtually any length.

PW STUD DESIGN PROPERTY COMPARISON⁽¹⁾⁽²⁾

Product		Bending F _b (psi) ⁽³⁾	Compression Parallel to Grain F _c (psi) ⁽⁴⁾	Modulus of Elasticity E (psi)	Horizontal Shear F _v (psi)
2 x 4	1.5" x 3.5" x 2.0E PW LVL	4125	2750	2,000,000	285
	1.5" x 3.5" x 1.5E PW LVL	2995	1950	1,500,000	230
	2x4 Douglas Fir-Larch No.2	1555	1550	1,600,000	180
	2x4 Spruce-Pine-Fir No.1 / No.2	1510	1325	1,400,000	135
	2x4 Hem-Fir No.2	1465	1495	1,300,000	150
	2x4 Western Woods No.2	1165	1035	1,000,000	135
2 x 6	1.5" x 5.5" x 2.0E PW LVL	3770	2750	2,000,000	285
	1.5" x 5.5" x 1.5E PW LVL	2735	1950	1,500,000	230
	2x6 Douglas Fir-Larch No.2	1345	1485	1,600,000	180
	2x6 Spruce-Pine-Fir No.1 / No.2	1310	1265	1,400,000	135
	2x6 Hem-Fir No.2	1270	1430	1,300,000	150
	2x6 Western Woods No.2	1010	990	1,000,000	135
2 x 8	1.5" x 7.25" x 2.0E PW LVL	3565	2750	2,000,000	285
	1.5" x 7.25" x 1.5E PW LVL	2590	1950	1,500,000	230
	2x8 Douglas Fir-Larch No.2	1240	1420	1,600,000	180
	2x8 Spruce-Pine-Fir No.1 / No.2	1205	1210	1,400,000	135
	2x8 Hem-Fir No.2	1175	1365	1,300,000	150
	2x8 Western Woods No.2	930	945	1,000,000	135

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

(2) Refer to the 2005 NDS[®] for lumber adjustment factors and other design properties.

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

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



For information about Pacific Woodtech's complete line of engineered wood products, please scan this code or visit our website at www.pacificwoodtech.com

