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A better alternative than traditional sawn lumber pieces.

1.5E PWLVL

1 1/2" x 1.5E PWLVL REFERENCE DESIGN VALUES

Depth	Maximum Vertical Shear (lb)			Maximum Bending Moment (ft-lb)			EI (x 10 ⁶ lb-in ²)	Weight (plf)
	100%	115%	125%	100%	115%	125%		
3 1/2"	805	926	1006	735	845	918	8	1.4
5 1/2"	1265	1455	1581	1657	1906	2072	31	2.1
7 1/4"	1668	1918	2084	2725	3134	3406	71	2.8
9 1/4"	2128	2447	2659	4225	4859	5281	148	3.6
9 1/2"	2185	2513	2731	4433	5098	5541	161	3.7
11 1/4"	2588	2976	3234	6010	6911	7512	267	4.4
11 7/8"	2731	3141	3414	6624	7618	8280	314	4.6
14"	3220	3703	4025	8909	10245	11136	515	5.5
16"	3680	4232	4600	11329	13028	14161	768	6.2
18"	4140	4761	5175	14005	16105	17506	1094	7.0
20"	4600	5290	5750	16929	19468	21161	1500	7.8
22"	5060	5819	6325	20097	23112	25122	1997	8.6
24"	5491	6315	6864	23285	26778	29106	2552	9.3

1.5E PWLVL Reference Design Values⁽¹⁾

Modulus of Elasticity $E = 1,500,000 \text{ psi}^{(2)}$

Bending (beam) $F_b = 2,250 \text{ psi}^{(3)(4)}$

Horizontal Shear (beam) $F_v = 230 \text{ psi}$

Compression Perpendicular to Grain (beam) $F_{cL} = 750 \text{ psi}^{(2)}$

- (1) Values apply to dry service conditions
- (2) Do not adjust for load duration
- (3) Adjust by $(12/d)^{1/5}$, where d is the depth of the member [inches]
- (4) Adjust by 1.04 for repetitive members as defined in the *ANSI/AWC NDS*

LVL SEALER

Pacific Woodtech's LVL has a wax-based sealer specifically formulated for laminated veneer lumber to help protect it from weather during storage and construction. The sealer helps to reduce the rate of moisture absorption and increases protection from UV rays.

EQUIVALENT SPECIFIC GRAVITY FOR FASTENER DESIGN

Nails & Wood Screws	Face	Lateral	0.50
		Withdrawal	0.50
Bolts & Lag Screws	Edge	Lateral	0.50
		Withdrawal	0.47
Bolts & Lag Screws	Face	Lateral	0.50

AVAILABLE SIZES (INCHES)

1 1/2" 1.5E PWLVL												
3 1/2"	5 1/2"	7 1/4"	9 1/4"	9 1/2"	11 1/4"	11 7/8"	14"	16"	18"	20"	22"	24"

For information about Pacific Woodtech's LVL products, please scan this code or visit www.pacificwoodtech.com

