

2.0E COLUMNS

The properties that make PWLVL a superior beam material make it ideal for column use as well. In PWLVL columns, you'll find only quality construction, free of deep cracks, checks or twists. These columns are desirable enough to leave exposed, for a beautiful finish.

ALLOWABLE AXIAL LOAD (LB)

3½" x 3½" 2.0E PWLVL COLUMNS

Column Length	100%	115%	125%
6'-0"	11010	11700	12100
7'-0"	9185	9660	9930
8'-0"	7710	8050	8245
9'-0"	6535	6785	6930
10'-0"	5595	5785	5890
11'-0"	4835	4980	5065
12'-0"	4215	4330	4395
13'-0"	3705	3795	3850
14'-0"	3280	3355	3400
> 14'-0"	Not Permitted		

3½" x 5¼" 2.0E PWLVL COLUMNS

Column Length	100%	115%	125%
6'-0"	16515	17550	18150
7'-0"	13780	14490	14895
8'-0"	11565	12075	12370
9'-0"	9805	10180	10395
10'-0"	8395	8680	8835
11'-0"	7255	7470	7600
12'-0"	6325	6495	6595
13'-0"	5560	5695	5775
14'-0"	4920	5035	5100
> 14'-0"	Not Permitted		

3½" x 7" 2.0E PWLVL COLUMNS

Column Length	100%	115%	125%
6'-0"	22020	23400	24200
7'-0"	18370	19320	19860
8'-0"	15420	16100	16490
9'-0"	13070	13570	13860
10'-0"	11190	11570	11780
11'-0"	9670	9960	10130
12'-0"	8430	8660	8790
13'-0"	7410	7590	7700
14'-0"	6560	6710	6800
> 14'-0"	Not Permitted		

Notes

1. Table values are based on an effective column length equal to the actual column length.
2. Table values apply to solid, one-piece columns used in dry service conditions.
3. Table values apply to axially-loaded columns assuming a load eccentricity equal to one-sixth of the narrow face dimension. Refer to ANSI/AF&PA NDS when designing for combined bending and axial loads or other load eccentricities.

4. Reference column design values:

- F_b (beam) = 3100 psi
May be adjusted by $(12/d1)^{1/5}$, where d1 is the wide-face dimension (inches)
- F_b (plank) = 3100 psi
May be adjusted by $(1.75/d2)^{1/3}$ where d2 is the narrow-face dimension (inches)
- E = 2,000,000 psi
- COV_E = 0.10
- F_c = 2750 psi