

ADVANCING POST-FRAME CONSTRUCTION



ICC
ES
ESR-4238



ICC-ES certified Perma-Column® precast foundations



The Perma-Column® difference



Perma-Column® is 3x stronger than standard concrete

Supports solid posts, nail-laminated
or glue-laminated wood columns

10,000 psi precast concrete

60,000 psi rebar

Powder-coated ¼" steel bracket

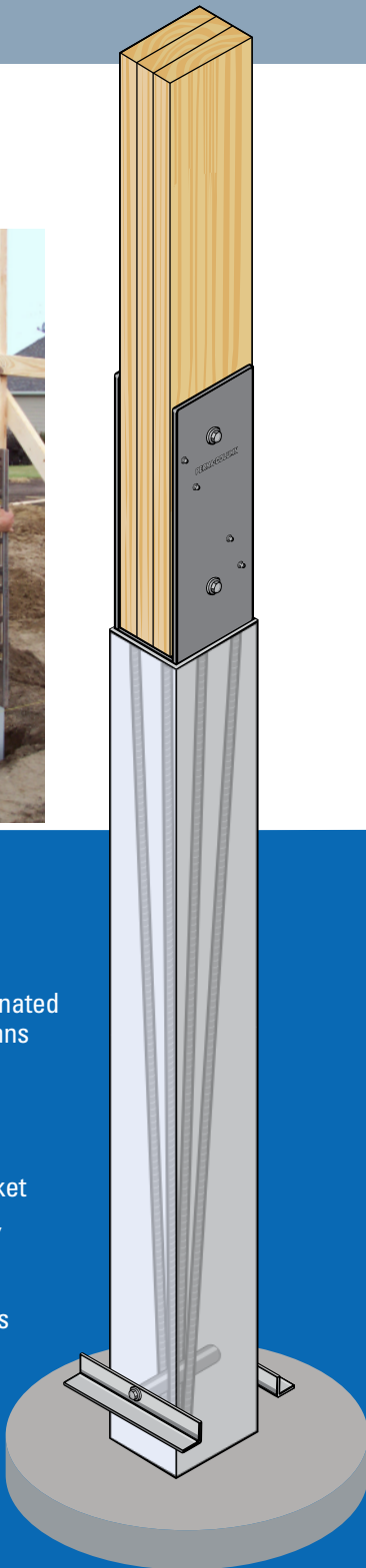
Uplift anchors and 12" and 24"
column extenders available

Guaranteed to last generations



Perma-Column® combines the durability of
concrete with the value of post-frame construction
for a long-lasting foundation performance.

Build better, build stronger, build to last.



CERTIFIED EXCELLENCE

ICC-ES certified

The International Code Council has evaluated and
certified Perma-Column® precast concrete posts
are compliant with the following:

- 2018 and 2015 International Building Code® (IBC)
- 2018 and 2015 International Residential Code® (IRC)
- 2017 Florida Building Code—Building
- 2017 Florida Building Code—Residential
- 2016 California Building Code (CBC)
- 2016 California Residential Code (CRC)

Builder advantages

- Easier permitting and approvals
- Assured code-compliance

Customer benefits

- Trust in Perma-Column® quality
- Confidence in their lasting investment

See ICC-ES Evaluation Report No. ESR-4238
at icc-es.org/report-listing/esr-4238/



BUILD BETTER. BUILD STRONGER. BUILD TO LAST.



Perma-Column® meets the market demand for durability, fits into your current building process, and elevates your reputation for enduring quality.

				LOAD AND RESISTANCE FACTOR DESIGN (LRFD)				ALLOWABLE STRENGTH DESIGN (ASD)			
Model ID	Width (in)	Depth (in)	Length (in)	P _{LRFD} (lb)	M _{LRFD-x} (ft-lb)	M _{LRFD-z} (ft-lb)	T _{LRFD} (lb)	P _{ASD} (lb)	M _{ASD-x} (ft-lb)	M _{ASD-z} (ft-lb)	T _{ASD} (lb)
PC6300	5-3/8	5-3/8	59-3/4	113100	6517	6620	10320	70700	4073	4137	6870
PC6400	6-7/8	5-3/8	59-3/4	140100	9217	6723	9070	87600	5761	4202	6030
PC6600	6-3/8	5-3/8	59-3/4	131100	8317	6694	9360	82000	5198	4184	6230
PC8300	5-3/8	7-1/8	59-3/4	153100	9781	14545	15710	95700	6113	9091	10450
PC8400	6-7/8	7-1/8	59-3/4	188900	13966	14792	13590	118100	8729	9245	9040
PC8500	8-3/8	7-1/8	59-3/4	223000	17955	14945	12340	139400	11222	9341	8210

For SI: 1 inch = 25.4 mm, 1 pound = 4.4482 N

¹ For biaxial bending: $\frac{m_x}{M_x} + \frac{m_z}{M_z} \leq 1$

² The tabulated values account for combined axial compression load and bending moment load. No reduction in axial compression loads and bending moment loads for combined axial compression bending moment is required.

³ For combined tension loads and bending moment loads: $\frac{t}{T} + \frac{m}{M} \leq 1$

⁴ Length is measured from the top of the concrete to the bottom of the concrete.

SHEAR CAPACITIES

LOAD AND RESISTANCE FACTOR DESIGN (LRFD)													ALLOWABLE STRENGTH DESIGN (ASD)												
P _{LRFD} (lb)	PC6300		PC6400		PC6600		PC8300		PC8400		PC8500		P _{ASD} (lb)	PC6300		PC6400		PC6600		PC8300		PC8400		PC8500	
	V _{LRFD-x} (lb)	V _{LRFD-z} (lb)	V _{LRFD-x} (lb)	V _{LRFD-z} (lb)	V _{LRFD-x} (lb)	V _{LRFD-z} (lb)	V _{LRFD-x} (lb)	V _{LRFD-z} (lb)	V _{LRFD-x} (lb)	V _{LRFD-z} (lb)	V _{LRFD-x} (lb)	V _{LRFD-z} (lb)		V _{ASD-x} (lb)	V _{ASD-z} (lb)	V _{ASD-x} (lb)	V _{ASD-z} (lb)	V _{ASD-x} (lb)	V _{ASD-z} (lb)	V _{ASD-x} (lb)	V _{ASD-z} (lb)	V _{ASD-x} (lb)	V _{ASD-z} (lb)	V _{ASD-x} (lb)	V _{ASD-z} (lb)
10000	3722	3706	4610	4977	4314	4556	5121	4640	6386	6305	7592	7878	6250	2326	2316	2881	3111	2696	2847	3201	2900	3991	3941	4745	4924
9000	3668	3652	4555	4918	4260	4498	5063	4587	6327	6247	7533	7817	5625	2292	2283	2847	3074	2662	2812	3164	2867	3954	3905	4708	4886
8000	3614	3598	4501	4860	4205	4441	5004	4534	6269	6190	7475	7756	5000	2259	2249	2813	3037	2628	2776	3128	2834	3918	3869	4672	4848
7000	3559	3544	4447	4801	4151	4384	4946	4481	6210	6132	7416	7695	4375	2225	2215	2779	3001	2594	2740	3091	2800	3881	3832	4635	4810
6000	3505	3490	4392	4742	4097	4326	4887	4428	6151	6074	7357	7634	3750	2191	2181	2745	2964	2560	2704	3054	2767	3845	3796	4598	4771
5000	3451	3436	4338	4684	4042	4269	4828	4375	6093	6016	7299	7573	3125	2157	2148	2711	2927	2526	2668	3018	2734	3808	3760	4562	4733
4000	3397	3382	4284	4625	3988	4212	4770	4321	6034	5958	7240	7513	2500	2123	2114	2677	2891	2492	2632	2981	2701	3771	3724	4525	4695
3000	3342	3328	4229	4566	3934	4154	4711	4268	5976	5900	7181	7452	1875	2089	2080	2643	2854	2458	2596	2944	2668	3735	3688	4488	4657
2000	3288	3274	4175	4507	3879	4097	4653	4215	5917	5843	7123	7391	1250	2055	2046	2609	2817	2425	2561	2908	2635	3698	3652	4452	4619
1000	3234	3220	4120	4449	3825	4039	4594	4162	5858	5785	7064	7330	625	2021	2013	2575	2780	2391	2525	2871	2601	3662	3615	4415	4581
0	3180	3166	4066	4390	3771	3982	4535	4109	5800	5727	7005	7269	0	1987	1979	2541	2744	2357	2489	2835	2568	3625	3579	4378	4543
-1000	2963	2950	3849	4155	3553	3753	4301	3897	5566	5495	6771	7026	-625	1852	1844	2405	2597	2221	2345	2688	2435	3478	3435	4232	4391
-2000	2746	2734	3631	3921	3336	3523	4067	3684	5331	5264	6536	6782	-1250	1716	1709	2270	2450	2085	2202	2542	2303	3332	3290	4085	4239
-3000	2528	2518	3414	3686	3119	3294	3832	3472	5097	5033	6301	6539	-1875	1580	1574	2134	2304	1949	2058	2395	2170	3186	3145	3938	4087
-4000	2311	2302	3196	3451	2901	3064	3598	3260	4862	4801	6067	6295	-2500	1445	1439	1998	2157	1813	1915	2249	2037	3039	3001	3792	3934
-5000	2094	2086	2979	3216	2684	2835	3363	3047	4628	4570	5832	6051	-3125	1309	1303	1862	2010	1677	1772	2102	1905	2893	2856	3645	3782

For SI: 1 inch = 25.4 mm, 1 pound = 4.4482 N

¹ The tabulated shear values are for columns with axial tension load (ACI 318-14 Eq. 22.5.6.1 and 22.5.7.1 respectively)

BUILD BETTER

Perma-Column® outperforms treated wood — guaranteed

Insist on the environmentally friendly solution that will outlast a treated wood foundation every time. Only Perma-Column® precast concrete columns provide your building a foundation engineered to last for generations to come.

BUILD STRONGER

Perma-Column® is 3x stronger than concrete

Perma-Column® piers are precast concrete, reinforced with 60,000 psi rebar welded to a ¼" steel bracket. Perma-Column® is the unmatched post-frame foundation solution for homes and municipal, commercial, and agricultural buildings.

BUILD TO LAST

Perma-Column® protects the value of your building

Post-frame construction materials have come a long way. Your building deserves the lasting durability of a permanent foundation. Perma-Column® is engineered to protect the structural integrity of your post-frame building and is backed by a lifetime warranty.



BUILD ON A PERMANENT FOUNDATION

Build with Perma-Column®

www.permacolumn.com



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