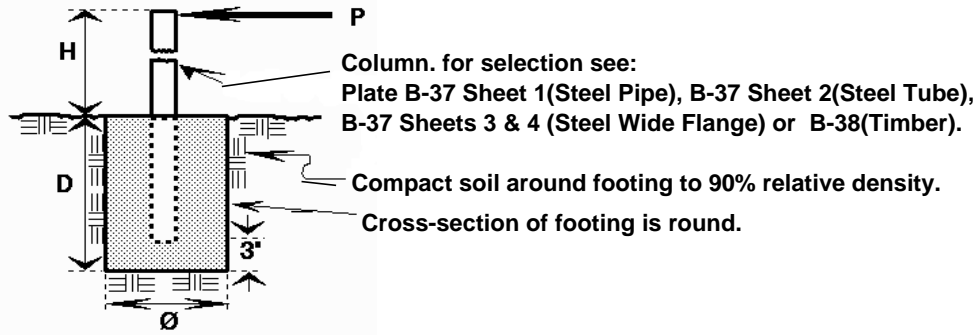


**ISOLATED UNREINFORCED ROUND FOOTINGS  
FOR CANTILEVER POSTS WITH HORIZONTAL TOP LOAD**

California Building Code 2007 Edition (CBC), NDS 2005

DESIGN CRITERIA: Design is based on flag pole method for non-constrained condition per CBC Section 1805.7.2.1  
 Allowable Lateral Soil Bc Allowable Lateral Soil Bearing Pressure used:  $150 \times 2 \times 1.33 = 400$  PSF  
 Concrete  $f_c' = 2500$  PSI.



Ø Ft.	D Ft.	HEIGHT, H, IN FEET									
		6	7	8	9	10	11	12	13	14	15
		MAXIMUM VALUES OF P, IN POUNDS									
1.0	3.0	161	144	131	120	110	102	95	89	84	79
1.5	3.0	241	217	196	180	166	153	143	134	126	119
2.0	3.0	322	289	262	240	221	205	191	179	168	159
1.0	3.5	243	219	199	183	169	157	147	138	130	123
1.5	3.5	364	329	299	275	254	236	221	207	195	184
2.0	3.5	486	438	399	367	339	315	294	276	260	246
1.0	4.0	345	313	286	264	244	228	213	200	189	179
1.5	4.0	518	470	430	396	367	342	320	301	284	268
2.0	4.0	691	627	573	528	489	456	427	401	378	358
1.0	4.5	470	428	392	362	337	314	295	278	262	249
1.5	4.5	705	642	589	544	505	472	443	417	394	373
2.0	4.5	940	856	785	725	674	629	590	556	525	498
1.0	5.0	617	563	519	480	447	419	393	371	351	333
1.5	5.0	925	845	778	721	671	628	590	557	527	500
2.0	5.0	1234	1127	1038	961	895	838	787	743	703	667
1.0	5.5	787	722	666	619	578	542	510	481	456	433
1.5	5.5	1181	1083	1000	928	867	813	765	722	684	650
2.0	5.5	1574	1444	1333	1238	1156	1084	1020	963	913	867
1.0	6.0	981	902	836	778	728	684	645	610	578	550
1.5	6.0	1472	1354	1254	1167	1092	1026	967	915	868	826
2.0	6.0	1962	1805	1672	1556	1456	1368	1290	1220	1157	1101
1.0	6.5	1200	1107	1028	959	899	846	799	757	719	684
1.5	6.5	1800	1661	1542	1439	1348	1269	1198	1135	1078	1027
2.0	6.5	2400	2214	2056	1918	1798	1692	1598	1514	1438	1369
1.0	7.0	1443	1335	1243	1162	1091	1029	973	923	877	837
1.5	7.0	2165	2003	1864	1743	1637	1543	1459	1384	1316	1255
2.0	7.0	2886	2671	2486	2325	2183	2058	1946	1846	1755	1674
1.0	7.5	1712	1588	1482	1388	1306	1233	1168	1109	1056	1007
1.5	7.5	2568	2383	2223	2083	1959	1850	1752	1663	1584	1511
2.0	7.5	3424	3177	2964	2777	2612	2466	2336	2218	2112	2015
1.0	8.0	2006	1866	1744	1638	1543	1459	1383	1315	1254	1198
1.5	8.0	3009	2799	2617	2457	2315	2189	2075	1973	1881	1797
2.0	8.0	4012	3733	3489	3276	3087	2918	2767	2631	2508	2396
1.0	8.5	2326	2169	2032	1911	1803	1707	1621	1543	1472	1408
1.5	8.5	3489	3254	3048	2866	2705	2561	2432	2315	2209	2112
2.0	8.5	4653	4338	4064	3822	3607	3415	3243	3087	2945	2816
1.0	9.0	2673	2497	2344	2208	2087	1978	1881	1792	1712	1638
1.5	9.0	4009	3746	3516	3312	3131	2968	2821	2689	2568	2457
2.0	9.0	5346	4995	4688	4416	4174	3957	3762	3585	3424	3277
1.0	9.5	3045	2851	2681	2529	2394	2273	2163	2063	1973	1889
1.5	9.5	4568	4277	4021	3794	3592	3409	3245	3095	2959	2834
2.0	9.5	6091	5703	5362	5059	4789	4546	4327	4127	3946	3779
1.0	10.0	3444	3231	3043	2876	2726	2591	2468	2357	2255	2162
1.5	10.0	5167	4847	4565	4314	4089	3886	3703	3536	3383	3243
2.0	10.0	6889	6463	6087	5752	5452	5182	4937	4714	4511	4324

**DIVISION OF BUILDING AND SAFETY  
COUNTY OF VENTURA**

BUILDING OFFICIAL \_\_\_\_\_

*Jim MacDonald*

B & S  
STD **B-39**

DATE: 01/01/08