

Wall Height = 8.00 feet

Wall Thickness: t = 5.5 in

Lateral Wall Pressure =		15.00		20.00		25.00		30.00		35.00		40.00	
Wall Designation	Allowable Compression (kips per foot)	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio
		(Inches)		(Inches)		(Inches)		(Inches)		(Inches)		(Inches)	
TS - 01	1.97 k / ft	0.1175 "	L / 817	0.1681 "	L / 571	0.2267 "	L / 423	0.2953 "	L / 325	0.3767 "	L / 255	0.4425 "	L / 217
TS - 18	4.79 k / ft	0.0578 "	L / 1660	0.0794 "	L / 1210	0.1022 "	L / 940	0.1264 "	L / 760	0.1521 "	L / 631	0.1796 "	L / 535
TS - 25	6.18 k / ft	0.0439 "	L / 2188	0.0598 "	L / 1606	0.0764 "	L / 1257	0.0938 "	L / 1024	0.1120 "	L / 857	0.1310 "	L / 733
TS - 39	10.40 k / ft	0.0674 "	L / 1425	0.0908 "	L / 1057	0.1148 "	L / 836	0.1393 "	L / 689	0.1644 "	L / 584	0.1901 "	L / 505
TS - 45	11.63 k / ft	0.0540 "	L / 1777	0.0727 "	L / 1321	0.0917 "	L / 1047	0.1110 "	L / 865	0.1307 "	L / 735	0.1508 "	L / 637
TS - 50	12.78 k / ft	0.0390 "	L / 2465	0.0523 "	L / 1837	0.0658 "	L / 1460	0.0794 "	L / 1209	0.0933 "	L / 1029	0.1073 "	L / 895
TS - 14	4.38 k / ft	0.0571 "	L / 1682	0.0781 "	L / 1229	0.1002 "	L / 958	0.1236 "	L / 777	0.1483 "	L / 647	0.1744 "	L / 550
TS - 21	5.71 k / ft	0.0434 "	L / 2214	0.0590 "	L / 1628	0.0752 "	L / 1277	0.0921 "	L / 1043	0.1097 "	L / 875	0.1280 "	L / 750
TS - 35	9.47 k / ft	0.0667 "	L / 1439	0.0898 "	L / 1069	0.1134 "	L / 846	0.1375 "	L / 698	0.1621 "	L / 592	0.1872 "	L / 513
TS - 43	10.89 k / ft	0.0535 "	L / 1795	0.0719 "	L / 1336	0.0906 "	L / 1060	0.1096 "	L / 876	0.1289 "	L / 745	0.1485 "	L / 646
TS - 48	12.19 k / ft	0.0385 "	L / 2495	0.0516 "	L / 1860	0.0649 "	L / 1480	0.0783 "	L / 1226	0.0919 "	L / 1044	0.1057 "	L / 908
TS - 38	10.05 k / ft	0.0628 "	L / 1529	0.0846 "	L / 1135	0.1068 "	L / 899	0.1296 "	L / 741	0.1528 "	L / 628	0.1766 "	L / 544
TS - 10	4.09 k / ft	0.0531 "	L / 1806	0.0721 "	L / 1322	0.0931 "	L / 1032	0.1146 "	L / 838	0.1372 "	L / 700	0.1611 "	L / 596
TS - 19	5.35 k / ft	0.0404 "	L / 2376	0.0549 "	L / 1749	0.0699 "	L / 1373	0.0855 "	L / 1123	0.1017 "	L / 944	0.1186 "	L / 810
TS - 34	10.22 k / ft	0.0622 "	L / 1543	0.0837 "	L / 1146	0.1057 "	L / 908	0.1281 "	L / 750	0.1509 "	L / 636	0.1741 "	L / 551
TS - 40	10.63 k / ft	0.0498 "	L / 1926	0.0670 "	L / 1434	0.0844 "	L / 1138	0.1020 "	L / 941	0.1199 "	L / 800	0.1382 "	L / 695
TS - 47	12.11 k / ft	0.0358 "	L / 2679	0.0480 "	L / 1998	0.0604 "	L / 1590	0.0729 "	L / 1318	0.0855 "	L / 1123	0.0982 "	L / 977
TS - 07	3.26 k / ft	0.0420 "	L / 2286	0.0572 "	L / 1678	0.0731 "	L / 1313	0.0898 "	L / 1069	0.1072 "	L / 896	0.1254 "	L / 765
TS - 13	4.26 k / ft	0.0320 "	L / 3003	0.0433 "	L / 2215	0.0551 "	L / 1743	0.0672 "	L / 1428	0.0798 "	L / 1203	0.0928 "	L / 1034
TS - 05	3.14 k / ft	0.0416 "	L / 2306	0.0566 "	L / 1696	0.0722 "	L / 1329	0.0885 "	L / 1085	0.1054 "	L / 910	0.1231 "	L / 780
TS - 11	4.15 k / ft	0.0317 "	L / 3027	0.0429 "	L / 2236	0.0545 "	L / 1762	0.0664 "	L / 1445	0.0787 "	L / 1219	0.0914 "	L / 1050
TS - 37	9.58 k / ft	0.0392 "	L / 2449	0.0526 "	L / 1825	0.0662 "	L / 1451	0.0799 "	L / 1201	0.0938 "	L / 1023	0.1079 "	L / 889
TS - 04	2.97 k / ft	0.0391 "	L / 2453	0.0532 "	L / 1803	0.0680 "	L / 1413	0.0833 "	L / 1153	0.0993 "	L / 967	0.1160 "	L / 827
TS - 09	3.89 k / ft	0.0298 "	L / 3221	0.0404 "	L / 2378	0.0513 "	L / 1873	0.0625 "	L / 1536	0.0741 "	L / 1295	0.0861 "	L / 1115
TS - 31	8.42 k / ft	0.0460 "	L / 2086	0.0619 "	L / 1552	0.0780 "	L / 1231	0.0943 "	L / 1018	0.1109 "	L / 865	0.1278 "	L / 751
TS - 36	9.51 k / ft	0.0368 "	L / 2605	0.0494 "	L / 1941	0.0622 "	L / 1543	0.0751 "	L / 1278	0.0882 "	L / 1088	0.1015 "	L / 946
TS - 44	10.97 k / ft	0.0264 "	L / 3634	0.0354 "	L / 2713	0.0444 "	L / 2160	0.0536 "	L / 1792	0.0628 "	L / 1529	0.0721 "	L / 1331
TS - 02	2.62 k / ft	0.0390 "	L / 2465	0.0529 "	L / 1813	0.0675 "	L / 1423	0.0826 "	L / 1162	0.0983 "	L / 976	0.1148 "	L / 837
TS - 06	3.24 k / ft	0.0297 "	L / 3234	0.0402 "	L / 2390	0.0510 "	L / 1884	0.0621 "	L / 1547	0.0735 "	L / 1306	0.0853 "	L / 1125
TS - 29	7.64 k / ft	0.0459 "	L / 2093	0.0616 "	L / 1558	0.0776 "	L / 1237	0.0939 "	L / 1023	0.1104 "	L / 870	0.1271 "	L / 755
TS - 33	8.98 k / ft	0.0367 "	L / 2615	0.0493 "	L / 1949	0.0619 "	L / 1550	0.0748 "	L / 1284	0.0878 "	L / 1094	0.1009 "	L / 951
TS - 41	10.84 k / ft	0.0263 "	L / 3652	0.0352 "	L / 2727	0.0442 "	L / 2172	0.0533 "	L / 1802	0.0624 "	L / 1538	0.0717 "	L / 1340
TS - 03	2.80 k / ft	0.0839 "	L / 1145	0.1175 "	L / 817	0.1548 "	L / 620	0.1963 "	L / 489	0.2428 "	L / 395	0.2953 "	L / 325
TS - 27	6.82 k / ft	0.0425 "	L / 2260	0.0578 "	L / 1660	0.0739 "	L / 1300	0.0906 "	L / 1060	0.1081 "	L / 888	0.1264 "	L / 760
TS - 32	8.79 k / ft	0.0324 "	L / 2964	0.0439 "	L / 2188	0.0557 "	L / 1722	0.0680 "	L / 1412	0.0807 "	L / 1190	0.0938 "	L / 1024
TS - 56	14.80 k / ft	0.0501 "	L / 1916	0.0674 "	L / 1425	0.0849 "	L / 1131	0.1027 "	L / 934	0.1209 "	L / 794	0.1393 "	L / 689
TS - 61	16.53 k / ft	0.0403 "	L / 2385	0.0540 "	L / 1777	0.0680 "	L / 1412	0.0821 "	L / 1169	0.0965 "	L / 995	0.1110 "	L / 865
TS - 64	18.18 k / ft	0.0291 "	L / 3302	0.0390 "	L / 2465	0.0489 "	L / 1962	0.0590 "	L / 1627	0.0692 "	L / 1388	0.0794 "	L / 1209
TS - 26	6.23 k / ft	0.0420 "	L / 2285	0.0571 "	L / 1682	0.0727 "	L / 1320	0.0890 "	L / 1078	0.1060 "	L / 906	0.1236 "	L / 777
TS - 30	8.13 k / ft	0.0321 "	L / 2994	0.0434 "	L / 2214	0.0550 "	L / 1745	0.0670 "	L / 1433	0.0793 "	L / 1210	0.0921 "	L / 1043
TS - 52	13.47 k / ft	0.0497 "	L / 1933	0.0667 "	L / 1439	0.0840 "	L / 1143	0.1016 "	L / 945	0.1194 "	L / 804	0.1375 "	L / 698
TS - 59	15.49 k / ft	0.0399 "	L / 2408	0.0535 "	L / 1795	0.0672 "	L / 1428	0.0812 "	L / 1183	0.0953 "	L / 1007	0.1096 "	L / 876
TS - 63	17.34 k / ft	0.0287 "	L / 3341	0.0385 "	L / 2495	0.0483 "	L / 1987	0.0582 "	L / 1649	0.0682 "	L / 1407	0.0783 "	L / 1226
TS - 55	14.30 k / ft	0.0467 "	L / 2055	0.0628 "	L / 1529	0.0791 "	L / 1214	0.0956 "	L / 1004	0.1125 "	L / 854	0.1296 "	L / 741
TS - 22	5.81 k / ft	0.0392 "	L / 2452	0.0531 "	L / 1806	0.0677 "	L / 1419	0.0827 "	L / 1161	0.0983 "	L / 976	0.1146 "	L / 838
TS - 28	7.61 k / ft	0.0299 "	L / 3211	0.0404 "	L / 2376	0.0512 "	L / 1875	0.0623 "	L / 1540	0.0737 "	L / 1302	0.0855 "	L / 1123
TS - 51	13.11 k / ft	0.0463 "	L / 2072	0.0622 "	L / 1543	0.0783 "	L / 1226	0.0947 "	L / 1014	0.1112 "	L / 863	0.1281 "	L / 750
TS - 57	15.12 k / ft	0.0372 "	L / 2583	0.0498 "	L / 1926	0.0627 "	L / 1532	0.0756 "	L / 1269	0.0887 "	L / 1082	0.1020 "	L / 941
TS - 62	17.23 k / ft	0.0268 "	L / 3587	0.0358 "	L / 2679	0.0450 "	L / 2135	0.0542 "	L / 1772	0.0635 "	L / 1512	0.0729 "	L / 1318
TS - 17	4.64 k / ft	0.0310 "	L / 3097	0.0420 "	L / 2286	0.0534 "	L / 1799	0.0651 "	L / 1475	0.0772 "	L / 1243	0.0898 "	L / 1069
TS - 24	6.06 k / ft	0.0237 "	L / 4053	0.0320 "	L / 3003	0.0405 "	L / 2373	0.0492 "	L / 1953	0.0581 "	L / 1653	0.0672 "	L / 1428
TS - 15	4.46 k / ft	0.0308 "	L / 3121	0.0416 "	L / 2306	0.0528 "	L / 1818	0.0643 "	L / 1492	0.0762 "	L / 1259	0.0885 "	L / 1085
TS - 23	5.90 k / ft	0.0235 "	L / 4081	0.0317 "	L / 3027	0.0401 "	L / 2394	0.0487 "	L / 1973	0.0574 "	L / 1671	0.0664 "	L / 1445
TS - 54	13.62 k / ft	0.0293 "	L / 3280	0.0392 "	L / 2449	0.0492 "	L / 1950	0.0594 "	L / 1617	0.0696 "	L / 1379	0.0799 "	L / 1201
TS - 12	4.22 k / ft	0.0289 "	L / 3321	0.0391 "	L / 2453	0.0497 "	L / 1933	0.0605 "	L / 1586	0.0717 "	L / 1338	0.0833 "	L / 1153
TS - 20	5.53 k / ft	0.0221 "	L / 4344	0.0298 "	L / 3221	0.0377 "	L / 2547	0.0458 "	L / 2098	0.0540 "	L / 1777	0.0625 "	L / 1536
TS - 46	11.97 k / ft	0.0343 "	L / 2798	0.0460 "	L / 2086	0.0579 "	L / 1659	0.0699 "	L / 1374	0.0820 "	L / 1170	0.0943 "	L / 1018
TS - 53	13.53 k / ft	0.0275 "	L / 3490	0.0368 "	L / 2605	0.0463 "	L / 2074	0.0558 "	L / 1720	0.0654 "	L / 1467	0.0751 "	L / 1278
TS - 60	15.60 k / ft	0.0197 "	L / 4862	0.0264 "	L / 3634	0.0331 "	L / 2897	0.0399 "	L / 2406	0.0467 "	L / 2055	0.0536 "	L / 1792
TS - 08	3.73 k / ft	0.0288 "	L / 3333	0.0390 "	L / 2465	0.0494 "	L / 1944	0.0601 "	L / 1596	0.0712 "	L / 1348	0.0826 "	L / 1162
TS - 16	4.61 k / ft	0.0220 "	L / 4358	0.0297 "	L / 3234	0.0375 "	L / 2559	0.0455 "	L / 2109	0.0537 "	L / 1788	0.0621 "	L / 1547
TS - 42	10.86 k / ft	0.0342 "	L / 2806	0.0459 "	L / 2093	0.0577 "	L / 1665	0.0696 "	L / 1379	0.0817 "	L / 1176	0.0939 "	L / 1023
TS - 49	12.77 k / ft	0.0274 "	L / 3502	0.0367 "	L / 2615	0.0461 "	L / 2082	0.0556 "	L / 1727	0.0651 "	L / 1474	0.0748 "	L / 1284
TS - 58	15.41 k / ft	0.0197 "	L / 4885	0.0263 "	L / 3652	0.0330 "	L / 2912	0.0397 "	L / 2419	0.0465 "	L / 2066	0.0533 "	L / 1802

Only wall designations highlighted orange can have horizontal wire ways.

Wall Height = 9.00 feet

Wall Thickness: t = 5.5 in

Lateral Wall Pressure =		15.00		20.00		25.00		30.00		35.00		40.00	
Wall Designation	Allowable Compression	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio
	(kips per foot)	(inches)		(inches)		(inches)		(inches)		(inches)		(inches)	
TS - 01	1.82 k / ft	0.1991 "	L / 543	0.2920 "	L / 370	0.4056 "	L / 266	0.5316 "	L / 203	0.6203 "	L / 174	0.7089 "	L / 152
TS - 18	4.42 k / ft	0.0948 "	L / 1140	0.1312 "	L / 823	0.1704 "	L / 634	0.2129 "	L / 507	0.2590 "	L / 417	0.3092 "	L / 349
TS - 25	5.70 k / ft	0.0715 "	L / 1510	0.0980 "	L / 1102	0.1261 "	L / 856	0.1559 "	L / 693	0.1875 "	L / 576	0.2212 "	L / 488
TS - 39	9.49 k / ft	0.1088 "	L / 992	0.1472 "	L / 734	0.1867 "	L / 579	0.2273 "	L / 475	0.2692 "	L / 401	0.3123 "	L / 346
TS - 45	10.60 k / ft	0.0872 "	L / 1239	0.1175 "	L / 919	0.1486 "	L / 727	0.1804 "	L / 599	0.2130 "	L / 507	0.2463 "	L / 438
TS - 50	11.65 k / ft	0.0627 "	L / 1722	0.0843 "	L / 1281	0.1063 "	L / 1016	0.1286 "	L / 840	0.1513 "	L / 714	0.1743 "	L / 619
TS - 14	4.03 k / ft	0.0933 "	L / 1157	0.1287 "	L / 839	0.1665 "	L / 649	0.2071 "	L / 522	0.2507 "	L / 431	0.2978 "	L / 363
TS - 21	5.26 k / ft	0.0706 "	L / 1531	0.0965 "	L / 1120	0.1237 "	L / 873	0.1525 "	L / 708	0.1828 "	L / 591	0.2148 "	L / 503
TS - 35	8.60 k / ft	0.1077 "	L / 1003	0.1455 "	L / 742	0.1842 "	L / 586	0.2240 "	L / 482	0.2648 "	L / 408	0.3068 "	L / 352
TS - 43	9.89 k / ft	0.0862 "	L / 1253	0.1161 "	L / 930	0.1467 "	L / 736	0.1779 "	L / 607	0.2097 "	L / 515	0.2423 "	L / 446
TS - 48	11.07 k / ft	0.0619 "	L / 1744	0.0832 "	L / 1298	0.1047 "	L / 1031	0.1266 "	L / 853	0.1489 "	L / 725	0.1714 "	L / 630
TS - 38	9.17 k / ft	0.1014 "	L / 1065	0.1370 "	L / 788	0.1736 "	L / 622	0.2112 "	L / 511	0.2498 "	L / 432	0.2896 "	L / 373
TS - 10	3.76 k / ft	0.0868 "	L / 1244	0.1194 "	L / 904	0.1542 "	L / 700	0.1914 "	L / 564	0.2312 "	L / 467	0.2739 "	L / 394
TS - 19	4.93 k / ft	0.0657 "	L / 1644	0.0897 "	L / 1204	0.1149 "	L / 940	0.1413 "	L / 764	0.1691 "	L / 639	0.1984 "	L / 544
TS - 34	8.38 k / ft	0.1004 "	L / 1076	0.1355 "	L / 797	0.1715 "	L / 630	0.2083 "	L / 518	0.2462 "	L / 439	0.2849 "	L / 379
TS - 40	9.66 k / ft	0.0803 "	L / 1344	0.1081 "	L / 999	0.1365 "	L / 791	0.1655 "	L / 653	0.1950 "	L / 554	0.2251 "	L / 480
TS - 47	11.01 k / ft	0.0576 "	L / 1874	0.0774 "	L / 1395	0.0974 "	L / 1108	0.1177 "	L / 917	0.1384 "	L / 781	0.1593 "	L / 678
TS - 07	3.01 k / ft	0.0684 "	L / 1578	0.0938 "	L / 1151	0.1207 "	L / 895	0.1492 "	L / 724	0.1795 "	L / 602	0.2117 "	L / 510
TS - 13	3.94 k / ft	0.0519 "	L / 2082	0.0707 "	L / 1528	0.0903 "	L / 1197	0.1107 "	L / 975	0.1321 "	L / 817	0.1545 "	L / 699
TS - 05	2.89 k / ft	0.0677 "	L / 1594	0.0927 "	L / 1165	0.1189 "	L / 908	0.1466 "	L / 737	0.1759 "	L / 614	0.2069 "	L / 522
TS - 11	3.82 k / ft	0.0514 "	L / 2100	0.0699 "	L / 1545	0.0891 "	L / 1212	0.1091 "	L / 990	0.1300 "	L / 831	0.1517 "	L / 712
TS - 37	8.73 k / ft	0.0631 "	L / 1711	0.0848 "	L / 1273	0.1069 "	L / 1010	0.1293 "	L / 835	0.1521 "	L / 710	0.1753 "	L / 616
TS - 04	2.74 k / ft	0.0637 "	L / 1695	0.0872 "	L / 1239	0.1120 "	L / 965	0.1381 "	L / 782	0.1658 "	L / 651	0.1952 "	L / 553
TS - 09	3.60 k / ft	0.0483 "	L / 2234	0.0657 "	L / 1643	0.0839 "	L / 1288	0.1027 "	L / 1051	0.1224 "	L / 882	0.1430 "	L / 755
TS - 31	7.70 k / ft	0.0742 "	L / 1456	0.0999 "	L / 1081	0.1262 "	L / 856	0.1531 "	L / 706	0.1805 "	L / 598	0.2085 "	L / 518
TS - 36	8.70 k / ft	0.0593 "	L / 1820	0.0798 "	L / 1354	0.1005 "	L / 1074	0.1216 "	L / 888	0.1431 "	L / 755	0.1649 "	L / 655
TS - 44	10.03 k / ft	0.0425 "	L / 2543	0.0570 "	L / 1896	0.0716 "	L / 1508	0.0865 "	L / 1249	0.1015 "	L / 1064	0.1167 "	L / 926
TS - 02	2.42 k / ft	0.0633 "	L / 1705	0.0866 "	L / 1247	0.1110 "	L / 973	0.1367 "	L / 790	0.1638 "	L / 659	0.1924 "	L / 561
TS - 06	2.99 k / ft	0.0481 "	L / 2245	0.0654 "	L / 1652	0.0833 "	L / 1297	0.1019 "	L / 1060	0.1212 "	L / 891	0.1414 "	L / 764
TS - 29	6.97 k / ft	0.0739 "	L / 1461	0.0995 "	L / 1085	0.1256 "	L / 860	0.1522 "	L / 709	0.1794 "	L / 602	0.2070 "	L / 522
TS - 33	8.19 k / ft	0.0591 "	L / 1828	0.0794 "	L / 1360	0.1000 "	L / 1080	0.1210 "	L / 893	0.1422 "	L / 759	0.1639 "	L / 659
TS - 41	9.89 k / ft	0.0423 "	L / 2556	0.0567 "	L / 1906	0.0712 "	L / 1517	0.0859 "	L / 1257	0.1008 "	L / 1071	0.1159 "	L / 932
TS - 03	2.60 k / ft	0.1398 "	L / 773	0.1991 "	L / 543	0.2670 "	L / 404	0.3458 "	L / 312	0.4380 "	L / 247	0.5316 "	L / 203
TS - 27	6.29 k / ft	0.0692 "	L / 1561	0.0948 "	L / 1140	0.1218 "	L / 887	0.1504 "	L / 718	0.1807 "	L / 598	0.2129 "	L / 507
TS - 32	8.11 k / ft	0.0525 "	L / 2055	0.0715 "	L / 1510	0.0913 "	L / 1183	0.1119 "	L / 965	0.1334 "	L / 810	0.1559 "	L / 693
TS - 56	13.49 k / ft	0.0808 "	L / 1337	0.1088 "	L / 992	0.1375 "	L / 785	0.1668 "	L / 647	0.1967 "	L / 549	0.2273 "	L / 475
TS - 61	15.08 k / ft	0.0648 "	L / 1666	0.0872 "	L / 1239	0.1099 "	L / 983	0.1330 "	L / 812	0.1565 "	L / 690	0.1804 "	L / 599
TS - 64	16.57 k / ft	0.0467 "	L / 2310	0.0627 "	L / 1722	0.0789 "	L / 1369	0.0952 "	L / 1134	0.1118 "	L / 966	0.1286 "	L / 840
TS - 26	5.73 k / ft	0.0683 "	L / 1581	0.0933 "	L / 1157	0.1196 "	L / 903	0.1473 "	L / 733	0.1764 "	L / 612	0.2071 "	L / 522
TS - 30	7.48 k / ft	0.0519 "	L / 2079	0.0707 "	L / 1531	0.0899 "	L / 1202	0.1099 "	L / 982	0.1308 "	L / 826	0.1525 "	L / 708
TS - 52	12.23 k / ft	0.0800 "	L / 1350	0.1077 "	L / 1003	0.1359 "	L / 795	0.1647 "	L / 656	0.1940 "	L / 557	0.2240 "	L / 482
TS - 59	14.07 k / ft	0.0642 "	L / 1683	0.0862 "	L / 1253	0.1086 "	L / 995	0.1313 "	L / 822	0.1544 "	L / 699	0.1779 "	L / 607
TS - 63	15.74 k / ft	0.0462 "	L / 2338	0.0619 "	L / 1744	0.0778 "	L / 1388	0.0939 "	L / 1150	0.1102 "	L / 980	0.1266 "	L / 853
TS - 55	13.04 k / ft	0.0753 "	L / 1435	0.1014 "	L / 1065	0.1280 "	L / 844	0.1552 "	L / 696	0.1829 "	L / 591	0.2112 "	L / 511
TS - 22	5.35 k / ft	0.0636 "	L / 1698	0.0868 "	L / 1244	0.1111 "	L / 972	0.1365 "	L / 791	0.1633 "	L / 661	0.1914 "	L / 564
TS - 28	7.01 k / ft	0.0484 "	L / 2231	0.0657 "	L / 1644	0.0836 "	L / 1292	0.1021 "	L / 1058	0.1213 "	L / 890	0.1413 "	L / 764
TS - 51	11.92 k / ft	0.0746 "	L / 1447	0.1004 "	L / 1076	0.1266 "	L / 853	0.1534 "	L / 704	0.1806 "	L / 598	0.2083 "	L / 518
TS - 57	13.74 k / ft	0.0598 "	L / 1806	0.0803 "	L / 1344	0.1011 "	L / 1068	0.1223 "	L / 883	0.1437 "	L / 752	0.1655 "	L / 653
TS - 62	15.66 k / ft	0.0430 "	L / 2511	0.0576 "	L / 1874	0.0724 "	L / 1491	0.0874 "	L / 1236	0.1025 "	L / 1054	0.1177 "	L / 917
TS - 17	4.28 k / ft	0.0503 "	L / 2148	0.0684 "	L / 1578	0.0874 "	L / 1236	0.1071 "	L / 1008	0.1277 "	L / 846	0.1492 "	L / 724
TS - 24	5.60 k / ft	0.0383 "	L / 2819	0.0519 "	L / 2082	0.0659 "	L / 1639	0.0803 "	L / 1344	0.0953 "	L / 1133	0.1107 "	L / 975
TS - 15	4.11 k / ft	0.0499 "	L / 2166	0.0677 "	L / 1594	0.0863 "	L / 1251	0.1056 "	L / 1022	0.1257 "	L / 859	0.1466 "	L / 737
TS - 23	5.44 k / ft	0.0380 "	L / 2841	0.0514 "	L / 2100	0.0652 "	L / 1656	0.0794 "	L / 1360	0.0941 "	L / 1148	0.1091 "	L / 990
TS - 54	12.41 k / ft	0.0471 "	L / 2295	0.0631 "	L / 1711	0.0794 "	L / 1361	0.0958 "	L / 1127	0.1125 "	L / 960	0.1293 "	L / 835
TS - 12	5.11 k / ft	0.0357 "	L / 3023	0.0483 "	L / 2234	0.0613 "	L / 1761	0.0747 "	L / 1446	0.0885 "	L / 1220	0.1027 "	L / 1051
TS - 20	10.95 k / ft	0.0552 "	L / 1956	0.0742 "	L / 1456	0.0935 "	L / 1156	0.1130 "	L / 956	0.1329 "	L / 813	0.1531 "	L / 706
TS - 46	12.37 k / ft	0.0442 "	L / 2442	0.0593 "	L / 1820	0.0746 "	L / 1447	0.0901 "	L / 1199	0.1058 "	L / 1021	0.1216 "	L / 888
TS - 53	14.26 k / ft	0.0317 "	L / 3405	0.0425 "	L / 2543	0.0533 "	L / 2025	0.0643 "	L / 1680	0.0753 "	L / 1434	0.0865 "	L / 1249
TS - 60	3.44 k / ft	0.0467 "	L / 2315	0.0633 "	L / 1705	0.0807 "	L / 1339	0.0986 "	L / 1095	0.1173 "	L / 921	0.1367 "	L / 790
TS - 08	4.26 k / ft	0.0356 "	L / 3035	0.0481 "	L / 2245	0.0610 "	L / 1771	0.0742 "	L / 1455	0.0879 "	L / 1229	0.1019 "	L / 1060
TS - 16	9.91 k / ft	0.0551 "	L / 1962	0.0739 "	L / 1461	0.0931 "	L / 1160	0.1125 "	L / 960	0.1322 "	L / 817	0.1522 "	L / 709
TS - 42	11.65 k / ft	0.0441 "	L / 2451	0.0591 "	L / 1828	0.0743 "	L / 1454	0.0897 "	L / 1204	0.1052 "	L / 1026	0.1210 "	L / 893
TS - 49	14.06 k / ft	0.0316 "	L / 3422	0.0423 "	L / 2556	0.0530 "	L / 2036	0.0639 "	L / 1690	0.0749 "	L / 1443	0.0859 "	L / 1257
TS - 58	3.90 k / ft	0.0469 "	L / 2305	0.0637 "	L / 1695	0.0812 "	L / 1330	0.0994 "	L / 1086	0.1184 "	L / 912	0.1381 "	L / 782

Only wall designations highlighted orange can have horizontal wire ways.

Wall Height = 10.00 feet

Wall Thickness: t = 5.5 in

Lateral Wall Pressure =		15.00		20.00		25.00		30.00		35.00		40.00	
Wall Designation	Allowable Compression	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio
	(kips per foot)	(inches)		(inches)		(inches)		(inches)		(inches)		(inches)	
TS - 01	1.70 k / ft	0.3241 "	L / 370	0.4911 "	L / 244	0.6753 "	L / 178	0.8103 "	L / 148	0.9454 "	L / 127	1.0804 "	L / 111
TS - 18	4.09 k / ft	0.1483 "	L / 809	0.2073 "	L / 579	0.2723 "	L / 441	0.3443 "	L / 349	0.4245 "	L / 283	0.5144 "	L / 233
TS - 25	5.28 k / ft	0.1111 "	L / 1080	0.1535 "	L / 782	0.1990 "	L / 603	0.2481 "	L / 484	0.3011 "	L / 399	0.3586 "	L / 335
TS - 39	8.67 k / ft	0.1676 "	L / 716	0.2274 "	L / 528	0.2895 "	L / 415	0.3538 "	L / 339	0.4206 "	L / 285	0.4900 "	L / 245
TS - 45	9.69 k / ft	0.1339 "	L / 896	0.1811 "	L / 663	0.2296 "	L / 523	0.2796 "	L / 429	0.3311 "	L / 362	0.3841 "	L / 312
TS - 50	10.65 k / ft	0.0961 "	L / 1248	0.1295 "	L / 927	0.1635 "	L / 734	0.1983 "	L / 605	0.2338 "	L / 513	0.2700 "	L / 444
TS - 14	3.72 k / ft	0.1456 "	L / 824	0.2026 "	L / 592	0.2647 "	L / 453	0.3327 "	L / 361	0.4075 "	L / 294	0.4901 "	L / 245
TS - 21	4.85 k / ft	0.1094 "	L / 1096	0.1506 "	L / 797	0.1946 "	L / 617	0.2415 "	L / 497	0.2918 "	L / 411	0.3459 "	L / 347
TS - 35	7.82 k / ft	0.1656 "	L / 724	0.2244 "	L / 535	0.2851 "	L / 421	0.3479 "	L / 345	0.4128 "	L / 291	0.4799 "	L / 250
TS - 43	9.00 k / ft	0.1323 "	L / 907	0.1787 "	L / 671	0.2263 "	L / 530	0.2752 "	L / 436	0.3253 "	L / 369	0.3769 "	L / 318
TS - 48	10.07 k / ft	0.0949 "	L / 1265	0.1277 "	L / 940	0.1611 "	L / 745	0.1951 "	L / 615	0.2298 "	L / 522	0.2651 "	L / 453
TS - 38	8.39 k / ft	0.1560 "	L / 769	0.2115 "	L / 567	0.2689 "	L / 446	0.3283 "	L / 366	0.3898 "	L / 308	0.4535 "	L / 265
TS - 10	3.47 k / ft	0.1352 "	L / 887	0.1877 "	L / 639	0.2445 "	L / 491	0.3065 "	L / 392	0.3741 "	L / 321	0.4484 "	L / 268
TS - 19	4.55 k / ft	0.1018 "	L / 1179	0.1398 "	L / 858	0.1803 "	L / 666	0.2233 "	L / 537	0.2692 "	L / 446	0.3183 "	L / 377
TS - 34	7.63 k / ft	0.1543 "	L / 778	0.2089 "	L / 574	0.2652 "	L / 452	0.3233 "	L / 371	0.3832 "	L / 313	0.4450 "	L / 270
TS - 40	8.80 k / ft	0.1233 "	L / 973	0.1664 "	L / 721	0.2105 "	L / 570	0.2558 "	L / 469	0.3022 "	L / 397	0.3497 "	L / 343
TS - 47	10.02 k / ft	0.0883 "	L / 1359	0.1187 "	L / 1011	0.1497 "	L / 801	0.1813 "	L / 662	0.2134 "	L / 562	0.2461 "	L / 488
TS - 07	2.79 k / ft	0.1064 "	L / 1128	0.1469 "	L / 817	0.1905 "	L / 630	0.2375 "	L / 505	0.2883 "	L / 416	0.3433 "	L / 350
TS - 13	3.65 k / ft	0.0803 "	L / 1495	0.1099 "	L / 1092	0.1412 "	L / 850	0.1742 "	L / 689	0.2092 "	L / 574	0.2463 "	L / 487
TS - 05	2.68 k / ft	0.1051 "	L / 1142	0.1448 "	L / 829	0.1871 "	L / 641	0.2325 "	L / 516	0.2811 "	L / 427	0.3335 "	L / 360
TS - 11	3.54 k / ft	0.0794 "	L / 1511	0.1085 "	L / 1106	0.1391 "	L / 863	0.1713 "	L / 701	0.2051 "	L / 585	0.2409 "	L / 498
TS - 37	7.97 k / ft	0.0967 "	L / 1240	0.1303 "	L / 921	0.1645 "	L / 730	0.1994 "	L / 602	0.2350 "	L / 511	0.2714 "	L / 442
TS - 04	2.55 k / ft	0.0989 "	L / 1213	0.1363 "	L / 880	0.1763 "	L / 681	0.2192 "	L / 547	0.2654 "	L / 452	0.3151 "	L / 381
TS - 09	3.34 k / ft	0.0747 "	L / 1606	0.1021 "	L / 1175	0.1310 "	L / 916	0.1613 "	L / 744	0.1934 "	L / 621	0.2272 "	L / 528
TS - 31	7.06 k / ft	0.1139 "	L / 1054	0.1538 "	L / 780	0.1948 "	L / 616	0.2368 "	L / 507	0.2799 "	L / 429	0.3242 "	L / 370
TS - 36	7.98 k / ft	0.0909 "	L / 1319	0.1225 "	L / 980	0.1547 "	L / 776	0.1876 "	L / 640	0.2211 "	L / 543	0.2554 "	L / 470
TS - 44	9.20 k / ft	0.0650 "	L / 1846	0.0873 "	L / 1375	0.1099 "	L / 1092	0.1329 "	L / 903	0.1562 "	L / 768	0.1798 "	L / 667
TS - 02	2.24 k / ft	0.0982 "	L / 1222	0.1351 "	L / 888	0.1744 "	L / 688	0.2164 "	L / 555	0.2612 "	L / 459	0.3093 "	L / 388
TS - 06	2.77 k / ft	0.0743 "	L / 1615	0.1014 "	L / 1183	0.1298 "	L / 924	0.1597 "	L / 752	0.1910 "	L / 628	0.2241 "	L / 536
TS - 29	6.38 k / ft	0.1134 "	L / 1058	0.1531 "	L / 784	0.1937 "	L / 620	0.2353 "	L / 510	0.2779 "	L / 432	0.3216 "	L / 373
TS - 33	7.49 k / ft	0.0906 "	L / 1325	0.1219 "	L / 984	0.1539 "	L / 780	0.1864 "	L / 644	0.2197 "	L / 546	0.2535 "	L / 473
TS - 41	9.04 k / ft	0.0647 "	L / 1856	0.0868 "	L / 1383	0.1092 "	L / 1099	0.1320 "	L / 909	0.1551 "	L / 774	0.1785 "	L / 672
TS - 03	2.42 k / ft	0.2230 "	L / 538	0.3241 "	L / 370	0.4453 "	L / 270	0.5930 "	L / 202	0.7090 "	L / 169	0.8103 "	L / 148
TS - 27	5.82 k / ft	0.1075 "	L / 1117	0.1483 "	L / 809	0.1920 "	L / 625	0.2390 "	L / 502	0.2896 "	L / 414	0.3443 "	L / 349
TS - 32	7.51 k / ft	0.0812 "	L / 1477	0.1111 "	L / 1080	0.1426 "	L / 841	0.1759 "	L / 682	0.2110 "	L / 569	0.2481 "	L / 484
TS - 56	12.33 k / ft	0.1240 "	L / 967	0.1676 "	L / 716	0.2123 "	L / 565	0.2582 "	L / 465	0.3053 "	L / 393	0.3538 "	L / 339
TS - 61	13.78 k / ft	0.0994 "	L / 1208	0.1339 "	L / 896	0.1692 "	L / 709	0.2052 "	L / 585	0.2420 "	L / 496	0.2796 "	L / 429
TS - 64	15.15 k / ft	0.0716 "	L / 1677	0.0961 "	L / 1248	0.1211 "	L / 991	0.1464 "	L / 820	0.1722 "	L / 697	0.1983 "	L / 605
TS - 26	5.28 k / ft	0.1059 "	L / 1133	0.1456 "	L / 824	0.1879 "	L / 639	0.2329 "	L / 515	0.2811 "	L / 427	0.3327 "	L / 361
TS - 30	6.90 k / ft	0.0802 "	L / 1496	0.1094 "	L / 1096	0.1401 "	L / 857	0.1722 "	L / 697	0.2060 "	L / 583	0.2415 "	L / 497
TS - 52	11.12 k / ft	0.1228 "	L / 977	0.1656 "	L / 724	0.2095 "	L / 573	0.2545 "	L / 471	0.3006 "	L / 399	0.3479 "	L / 345
TS - 59	12.79 k / ft	0.0983 "	L / 1221	0.1323 "	L / 907	0.1670 "	L / 719	0.2024 "	L / 593	0.2384 "	L / 503	0.2752 "	L / 436
TS - 63	14.32 k / ft	0.0707 "	L / 1698	0.0949 "	L / 1265	0.1194 "	L / 1005	0.1443 "	L / 832	0.1695 "	L / 708	0.1951 "	L / 615
TS - 55	11.93 k / ft	0.1155 "	L / 1039	0.1560 "	L / 769	0.1974 "	L / 608	0.2399 "	L / 500	0.2835 "	L / 423	0.3283 "	L / 366
TS - 22	4.94 k / ft	0.0985 "	L / 1218	0.1352 "	L / 887	0.1742 "	L / 689	0.2155 "	L / 557	0.2595 "	L / 462	0.3065 "	L / 392
TS - 28	6.47 k / ft	0.0747 "	L / 1607	0.1018 "	L / 1179	0.1301 "	L / 922	0.1597 "	L / 751	0.1908 "	L / 629	0.2233 "	L / 537
TS - 51	10.85 k / ft	0.1145 "	L / 1048	0.1543 "	L / 778	0.1951 "	L / 615	0.2368 "	L / 507	0.2795 "	L / 429	0.3233 "	L / 371
TS - 57	12.51 k / ft	0.0916 "	L / 1310	0.1233 "	L / 973	0.1555 "	L / 772	0.1883 "	L / 637	0.2217 "	L / 541	0.2558 "	L / 469
TS - 62	14.25 k / ft	0.0658 "	L / 1824	0.0883 "	L / 1359	0.1111 "	L / 1080	0.1342 "	L / 894	0.1576 "	L / 762	0.1813 "	L / 662
TS - 17	3.97 k / ft	0.0778 "	L / 1543	0.1064 "	L / 1128	0.1365 "	L / 879	0.1683 "	L / 713	0.2019 "	L / 594	0.2375 "	L / 505
TS - 24	5.19 k / ft	0.0590 "	L / 2033	0.0803 "	L / 1495	0.1023 "	L / 1173	0.1253 "	L / 958	0.1493 "	L / 804	0.1742 "	L / 689
TS - 15	3.81 k / ft	0.0770 "	L / 1558	0.1051 "	L / 1142	0.1346 "	L / 891	0.1656 "	L / 725	0.1982 "	L / 606	0.2325 "	L / 516
TS - 23	5.03 k / ft	0.0585 "	L / 2050	0.0794 "	L / 1511	0.1011 "	L / 1187	0.1236 "	L / 971	0.1470 "	L / 816	0.1713 "	L / 701
TS - 54	11.34 k / ft	0.0720 "	L / 1666	0.0967 "	L / 1240	0.1218 "	L / 985	0.1473 "	L / 815	0.1731 "	L / 693	0.1994 "	L / 602
TS - 12	4.74 k / ft	0.0550 "	L / 2181	0.0747 "	L / 1606	0.0951 "	L / 1261	0.1164 "	L / 1031	0.1384 "	L / 867	0.1613 "	L / 744
TS - 20	10.04 k / ft	0.0846 "	L / 1418	0.1139 "	L / 1054	0.1437 "	L / 835	0.1742 "	L / 689	0.2052 "	L / 585	0.2368 "	L / 507
TS - 46	11.34 k / ft	0.0677 "	L / 1773	0.0909 "	L / 1319	0.1145 "	L / 1048	0.1385 "	L / 866	0.1628 "	L / 737	0.1876 "	L / 640
TS - 53	13.08 k / ft	0.0485 "	L / 2475	0.0650 "	L / 1846	0.0817 "	L / 1469	0.0986 "	L / 1217	0.1156 "	L / 1038	0.1329 "	L / 903
TS - 60	3.19 k / ft	0.0720 "	L / 1666	0.0982 "	L / 1222	0.1257 "	L / 955	0.1545 "	L / 777	0.1846 "	L / 650	0.2164 "	L / 555
TS - 08	3.94 k / ft	0.0548 "	L / 2191	0.0743 "	L / 1615	0.0945 "	L / 1270	0.1155 "	L / 1039	0.1372 "	L / 875	0.1597 "	L / 752
TS - 16	9.07 k / ft	0.0843 "	L / 1423	0.1134 "	L / 1058	0.1431 "	L / 839	0.1733 "	L / 693	0.2040 "	L / 588	0.2353 "	L / 510
TS - 42	10.66 k / ft	0.0674 "	L / 1779	0.0906 "	L / 1325	0.1140 "	L / 1053	0.1378 "	L / 871	0.1619 "	L / 741	0.1864 "	L / 644
TS - 49	12.86 k / ft	0.0482 "	L / 2487	0.0647 "	L / 1856	0.0812 "	L / 1477	0.0980 "	L / 1225	0.1149 "	L / 1044	0.1320 "	L / 909
TS - 58	3.62 k / ft	0.0724 "	L / 1657	0.0989 "	L / 1213	0.1267 "	L / 947	0.1560 "	L / 769	0.1868 "	L / 643	0.2192 "	L / 547

Only wall designations highlighted orange can have horizontal wire ways.

Wall Height = 11.00 feet

Wall Thickness: t = 5.5 in

Lateral Wall Pressure =		15.00		20.00		25.00		30.00		35.00		40.00	
Wall Designation	Allowable Compression	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio
	(kips per foot)	(inches)		(inches)		(inches)		(inches)		(inches)		(inches)	
TS - 01	1.59 k / ft	0.5134 "	L / 257	0.7909 "	L / 167	0.9887 "	L / 134	1.1864 "	L / 111	1.3841 "	L / 95	1.5818 "	L / 83
TS - 18	3.80 k / ft	0.2236 "	L / 590	0.3164 "	L / 417	0.4212 "	L / 313	0.5408 "	L / 244	0.6782 "	L / 195	0.8379 "	L / 158
TS - 25	4.90 k / ft	0.1664 "	L / 793	0.2318 "	L / 570	0.3033 "	L / 435	0.3819 "	L / 346	0.4686 "	L / 282	0.5648 "	L / 234
TS - 39	7.93 k / ft	0.2481 "	L / 532	0.3381 "	L / 390	0.4321 "	L / 305	0.5305 "	L / 249	0.6335 "	L / 208	0.7414 "	L / 178
TS - 45	8.86 k / ft	0.1978 "	L / 667	0.2683 "	L / 492	0.3414 "	L / 387	0.4171 "	L / 316	0.4956 "	L / 266	0.5771 "	L / 229
TS - 50	9.74 k / ft	0.1417 "	L / 932	0.1912 "	L / 690	0.2421 "	L / 545	0.2942 "	L / 449	0.3477 "	L / 380	0.4026 "	L / 328
TS - 14	3.44 k / ft	0.2189 "	L / 603	0.3078 "	L / 429	0.4069 "	L / 324	0.5181 "	L / 255	0.6438 "	L / 205	0.7869 "	L / 168
TS - 21	4.48 k / ft	0.1635 "	L / 808	0.2267 "	L / 582	0.2952 "	L / 447	0.3696 "	L / 357	0.4509 "	L / 293	0.5399 "	L / 244
TS - 35	7.12 k / ft	0.2450 "	L / 539	0.3331 "	L / 396	0.4248 "	L / 311	0.5203 "	L / 254	0.6198 "	L / 213	0.7236 "	L / 182
TS - 43	8.19 k / ft	0.1953 "	L / 676	0.2645 "	L / 499	0.3359 "	L / 393	0.4097 "	L / 322	0.4859 "	L / 272	0.5859 "	L / 234
TS - 48	9.16 k / ft	0.1397 "	L / 945	0.1884 "	L / 701	0.2381 "	L / 554	0.2890 "	L / 457	0.3411 "	L / 387	0.3945 "	L / 335
TS - 38	7.68 k / ft	0.2308 "	L / 572	0.3141 "	L / 420	0.4009 "	L / 329	0.4914 "	L / 269	0.5860 "	L / 225	0.6848 "	L / 193
TS - 10	3.21 k / ft	0.2030 "	L / 650	0.2845 "	L / 464	0.3748 "	L / 352	0.4753 "	L / 278	0.5879 "	L / 225	0.7150 "	L / 185
TS - 19	4.21 k / ft	0.1518 "	L / 869	0.2101 "	L / 628	0.2729 "	L / 484	0.3408 "	L / 387	0.4145 "	L / 318	0.4948 "	L / 267
TS - 34	6.95 k / ft	0.2281 "	L / 579	0.3099 "	L / 426	0.3947 "	L / 334	0.4829 "	L / 273	0.5745 "	L / 230	0.6699 "	L / 197
TS - 40	8.02 k / ft	0.1819 "	L / 726	0.2461 "	L / 536	0.3123 "	L / 423	0.3804 "	L / 347	0.4508 "	L / 293	0.5233 "	L / 252
TS - 47	9.13 k / ft	0.1300 "	L / 1016	0.1751 "	L / 754	0.2213 "	L / 597	0.2684 "	L / 492	0.3166 "	L / 417	0.3658 "	L / 361
TS - 07	2.60 k / ft	0.1592 "	L / 829	0.2218 "	L / 595	0.2904 "	L / 455	0.3656 "	L / 361	0.4487 "	L / 294	0.5409 "	L / 244
TS - 13	3.40 k / ft	0.1195 "	L / 1105	0.1646 "	L / 802	0.2129 "	L / 620	0.2646 "	L / 499	0.3201 "	L / 412	0.3799 "	L / 347
TS - 05	2.48 k / ft	0.1571 "	L / 840	0.2180 "	L / 606	0.2841 "	L / 465	0.3562 "	L / 371	0.4350 "	L / 303	0.5215 "	L / 253
TS - 11	3.28 k / ft	0.1181 "	L / 1118	0.1623 "	L / 813	0.2092 "	L / 631	0.2592 "	L / 509	0.3126 "	L / 422	0.3696 "	L / 357
TS - 37	7.29 k / ft	0.1425 "	L / 926	0.1923 "	L / 686	0.2434 "	L / 542	0.2957 "	L / 446	0.3494 "	L / 378	0.4044 "	L / 326
TS - 04	2.37 k / ft	0.1478 "	L / 893	0.2054 "	L / 643	0.2680 "	L / 493	0.3363 "	L / 393	0.4112 "	L / 321	0.4936 "	L / 267
TS - 09	3.10 k / ft	0.1111 "	L / 1188	0.1528 "	L / 864	0.1971 "	L / 670	0.2444 "	L / 540	0.2950 "	L / 448	0.3491 "	L / 378
TS - 31	6.48 k / ft	0.1681 "	L / 785	0.2277 "	L / 580	0.2891 "	L / 457	0.3525 "	L / 374	0.4180 "	L / 316	0.4857 "	L / 272
TS - 36	7.32 k / ft	0.1340 "	L / 985	0.1809 "	L / 730	0.2290 "	L / 577	0.2783 "	L / 474	0.3288 "	L / 401	0.3807 "	L / 347
TS - 44	8.44 k / ft	0.0956 "	L / 1381	0.1286 "	L / 1026	0.1622 "	L / 814	0.1964 "	L / 672	0.2312 "	L / 571	0.2666 "	L / 495
TS - 02	2.08 k / ft	0.1467 "	L / 900	0.2032 "	L / 650	0.2644 "	L / 499	0.3308 "	L / 399	0.4031 "	L / 327	0.4822 "	L / 274
TS - 06	2.57 k / ft	0.1104 "	L / 1196	0.1515 "	L / 871	0.1951 "	L / 677	0.2414 "	L / 547	0.2906 "	L / 454	0.3431 "	L / 385
TS - 29	5.84 k / ft	0.1673 "	L / 789	0.2264 "	L / 583	0.2872 "	L / 460	0.3499 "	L / 377	0.4145 "	L / 318	0.4811 "	L / 274
TS - 33	6.86 k / ft	0.1334 "	L / 990	0.1799 "	L / 734	0.2276 "	L / 580	0.2764 "	L / 478	0.3263 "	L / 404	0.3775 "	L / 350
TS - 41	8.28 k / ft	0.0951 "	L / 1389	0.1278 "	L / 1033	0.1611 "	L / 819	0.1950 "	L / 677	0.2294 "	L / 575	0.2644 "	L / 499
TS - 03	2.26 k / ft	0.1445 "	L / 933	0.1978 "	L / 687	0.2585 "	L / 527	0.3246 "	L / 412	0.3914 "	L / 334	0.4604 "	L / 283
TS - 27	5.40 k / ft	0.1607 "	L / 821	0.2236 "	L / 590	0.2891 "	L / 452	0.3671 "	L / 360	0.4496 "	L / 294	0.5408 "	L / 244
TS - 32	6.97 k / ft	0.1209 "	L / 1092	0.1664 "	L / 793	0.2149 "	L / 614	0.2667 "	L / 495	0.3222 "	L / 410	0.3819 "	L / 346
TS - 56	11.28 k / ft	0.1831 "	L / 721	0.2481 "	L / 532	0.3152 "	L / 419	0.3846 "	L / 343	0.4563 "	L / 289	0.5305 "	L / 249
TS - 61	12.61 k / ft	0.1465 "	L / 901	0.1978 "	L / 667	0.2505 "	L / 527	0.3046 "	L / 433	0.3601 "	L / 367	0.4171 "	L / 316
TS - 64	13.86 k / ft	0.1053 "	L / 1254	0.1417 "	L / 932	0.1787 "	L / 739	0.2165 "	L / 610	0.2550 "	L / 518	0.2942 "	L / 449
TS - 26	4.89 k / ft	0.1581 "	L / 835	0.2189 "	L / 603	0.2847 "	L / 464	0.3560 "	L / 371	0.4335 "	L / 305	0.5181 "	L / 255
TS - 30	6.38 k / ft	0.1191 "	L / 1108	0.1635 "	L / 808	0.2104 "	L / 627	0.2602 "	L / 507	0.3132 "	L / 421	0.3696 "	L / 357
TS - 52	10.12 k / ft	0.1811 "	L / 729	0.2450 "	L / 539	0.3107 "	L / 425	0.3785 "	L / 349	0.4483 "	L / 294	0.5203 "	L / 254
TS - 59	11.64 k / ft	0.1448 "	L / 912	0.1953 "	L / 676	0.2470 "	L / 534	0.3000 "	L / 440	0.3542 "	L / 373	0.4097 "	L / 322
TS - 63	13.03 k / ft	0.1039 "	L / 1270	0.1397 "	L / 945	0.1761 "	L / 750	0.2131 "	L / 619	0.2508 "	L / 526	0.2890 "	L / 457
TS - 55	10.92 k / ft	0.1705 "	L / 774	0.2308 "	L / 572	0.2929 "	L / 451	0.3570 "	L / 370	0.4232 "	L / 312	0.4914 "	L / 269
TS - 22	4.57 k / ft	0.1469 "	L / 899	0.2030 "	L / 650	0.2634 "	L / 501	0.3284 "	L / 402	0.3989 "	L / 331	0.4753 "	L / 278
TS - 28	5.99 k / ft	0.1109 "	L / 1191	0.1518 "	L / 869	0.1951 "	L / 676	0.2409 "	L / 548	0.2894 "	L / 456	0.3408 "	L / 387
TS - 51	9.89 k / ft	0.1688 "	L / 782	0.2281 "	L / 579	0.2891 "	L / 457	0.3519 "	L / 375	0.4164 "	L / 317	0.4829 "	L / 273
TS - 57	11.40 k / ft	0.1349 "	L / 978	0.1819 "	L / 726	0.2298 "	L / 574	0.2789 "	L / 473	0.3291 "	L / 401	0.3804 "	L / 347
TS - 62	12.98 k / ft	0.0967 "	L / 1365	0.1300 "	L / 1016	0.1638 "	L / 806	0.1981 "	L / 666	0.2330 "	L / 567	0.2684 "	L / 492
TS - 17	3.69 k / ft	0.1157 "	L / 1141	0.1592 "	L / 829	0.2057 "	L / 642	0.2553 "	L / 517	0.3085 "	L / 428	0.3656 "	L / 361
TS - 24	4.83 k / ft	0.0875 "	L / 1509	0.1195 "	L / 1105	0.1531 "	L / 862	0.1883 "	L / 701	0.2255 "	L / 585	0.2646 "	L / 499
TS - 15	3.53 k / ft	0.1144 "	L / 1154	0.1571 "	L / 840	0.2023 "	L / 652	0.2504 "	L / 527	0.3016 "	L / 438	0.3562 "	L / 371
TS - 23	4.67 k / ft	0.0867 "	L / 1523	0.1181 "	L / 1118	0.1510 "	L / 874	0.1854 "	L / 712	0.2214 "	L / 596	0.2592 "	L / 509
TS - 54	10.37 k / ft	0.1059 "	L / 1246	0.1425 "	L / 926	0.1798 "	L / 734	0.2177 "	L / 606	0.2564 "	L / 515	0.2957 "	L / 446
TS - 12	4.41 k / ft	0.0815 "	L / 1620	0.1111 "	L / 1188	0.1421 "	L / 929	0.1746 "	L / 756	0.2086 "	L / 633	0.2444 "	L / 540
TS - 20	9.22 k / ft	0.1246 "	L / 1059	0.1681 "	L / 785	0.2126 "	L / 621	0.2581 "	L / 511	0.3048 "	L / 433	0.3525 "	L / 374
TS - 46	10.42 k / ft	0.0996 "	L / 1326	0.1340 "	L / 985	0.1691 "	L / 781	0.2048 "	L / 645	0.2412 "	L / 547	0.2783 "	L / 474
TS - 53	12.01 k / ft	0.0712 "	L / 1853	0.0956 "	L / 1381	0.1203 "	L / 1097	0.1453 "	L / 908	0.1707 "	L / 773	0.1964 "	L / 672
TS - 60	2.96 k / ft	0.1070 "	L / 1234	0.1467 "	L / 900	0.1887 "	L / 700	0.2332 "	L / 566	0.2805 "	L / 471	0.3308 "	L / 399
TS - 08	3.66 k / ft	0.0811 "	L / 1628	0.1104 "	L / 1196	0.1410 "	L / 936	0.1730 "	L / 763	0.2064 "	L / 640	0.2414 "	L / 547
TS - 16	8.30 k / ft	0.1242 "	L / 1063	0.1673 "	L / 789	0.2115 "	L / 624	0.2566 "	L / 514	0.3027 "	L / 436	0.3499 "	L / 377
TS - 42	9.76 k / ft	0.0992 "	L / 1331	0.1334 "	L / 990	0.1682 "	L / 785	0.2036 "	L / 648	0.2397 "	L / 551	0.2764 "	L / 478
TS - 49	11.78 k / ft	0.0709 "	L / 1863	0.0951 "	L / 1389	0.1196 "	L / 1104	0.1444 "	L / 914	0.1695 "	L / 779	0.1950 "	L / 677
TS - 58	3.37 k / ft	0.1076 "	L / 1227	0.1478 "	L / 893	0.1905 "	L / 693	0.2360 "	L / 559	0.2845 "	L / 464	0.3363 "	L / 393

Only wall designations highlighted orange can have horizontal wire ways.

Wall Height = 12.0 feet

Wall Thickness: t = 5.5 in

Lateral Wall Pressure =		15.00		20.00		25.00		30.00		35.00		40.00	
Wall Designation	Allowable Compression	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio	Maximum Deflection	Deflection Ratio
	(kips per foot)	(inches)		(inches)		(inches)		(inches)		(inches)		(inches)	
TS - 01	1.53 k / ft	0.6414 "	L / 215	0.9448 "	L / 146	1.1810 "	L / 117	1.4172 "	L / 97	1.6535 "	L / 83	1.8897 "	L / 73
TS - 18	3.66 k / ft	0.2715 "	L / 508	0.3867 "	L / 357	0.5189 "	L / 266	0.6721 "	L / 205	0.8517 "	L / 162	1.0322 "	L / 134
TS - 25	4.72 k / ft	0.2011 "	L / 686	0.2816 "	L / 490	0.3704 "	L / 373	0.4691 "	L / 294	0.5794 "	L / 238	0.7033 "	L / 196
TS - 39	7.59 k / ft	0.2982 "	L / 463	0.4072 "	L / 339	0.5216 "	L / 265	0.6419 "	L / 215	0.7685 "	L / 180	0.9019 "	L / 153
TS - 45	8.48 k / ft	0.2374 "	L / 581	0.3227 "	L / 428	0.4112 "	L / 336	0.5034 "	L / 274	0.5993 "	L / 230	0.6992 "	L / 197
TS - 50	9.32 k / ft	0.1698 "	L / 813	0.2295 "	L / 601	0.2909 "	L / 474	0.3540 "	L / 390	0.4189 "	L / 329	0.4857 "	L / 284
TS - 14	3.31 k / ft	0.2654 "	L / 520	0.3753 "	L / 368	0.4994 "	L / 276	0.6407 "	L / 215	0.8030 "	L / 172	0.9913 "	L / 139
TS - 21	4.31 k / ft	0.1974 "	L / 699	0.2749 "	L / 502	0.3596 "	L / 384	0.4526 "	L / 305	0.5551 "	L / 249	0.6687 "	L / 206
TS - 35	6.79 k / ft	0.2942 "	L / 469	0.4009 "	L / 344	0.5123 "	L / 269	0.6288 "	L / 219	0.7507 "	L / 184	0.8785 "	L / 157
TS - 43	7.81 k / ft	0.2343 "	L / 589	0.3179 "	L / 434	0.4043 "	L / 341	0.4939 "	L / 279	0.5868 "	L / 235	0.6831 "	L / 202
TS - 48	8.74 k / ft	0.1674 "	L / 824	0.2260 "	L / 611	0.2860 "	L / 483	0.3475 "	L / 397	0.4106 "	L / 336	0.4754 "	L / 290
TS - 38	7.35 k / ft	0.2773 "	L / 498	0.3781 "	L / 365	0.4836 "	L / 285	0.5942 "	L / 232	0.7102 "	L / 194	0.8320 "	L / 166
TS - 10	3.09 k / ft	0.2458 "	L / 561	0.3464 "	L / 398	0.4592 "	L / 301	0.5863 "	L / 235	0.7310 "	L / 189	0.8969 "	L / 154
TS - 19	4.05 k / ft	0.1832 "	L / 753	0.2545 "	L / 542	0.3321 "	L / 416	0.4166 "	L / 331	0.5093 "	L / 271	0.6112 "	L / 226
TS - 34	6.64 k / ft	0.2739 "	L / 504	0.3728 "	L / 370	0.4757 "	L / 290	0.5832 "	L / 237	0.6953 "	L / 198	0.8124 "	L / 170
TS - 40	7.65 k / ft	0.2181 "	L / 633	0.2956 "	L / 467	0.3757 "	L / 367	0.4584 "	L / 301	0.5440 "	L / 254	0.6326 "	L / 218
TS - 47	8.71 k / ft	0.1557 "	L / 886	0.2100 "	L / 657	0.2657 "	L / 519	0.3226 "	L / 428	0.3809 "	L / 362	0.4406 "	L / 313
TS - 07	2.51 k / ft	0.1925 "	L / 717	0.2695 "	L / 512	0.3546 "	L / 389	0.4491 "	L / 307	0.5548 "	L / 249	0.6736 "	L / 205
TS - 13	3.28 k / ft	0.1440 "	L / 958	0.1991 "	L / 693	0.2584 "	L / 534	0.3225 "	L / 428	0.3918 "	L / 352	0.4672 "	L / 295
TS - 05	2.39 k / ft	0.1897 "	L / 727	0.2645 "	L / 522	0.3463 "	L / 398	0.4364 "	L / 316	0.5359 "	L / 258	0.6465 "	L / 213
TS - 11	3.16 k / ft	0.1423 "	L / 970	0.1961 "	L / 704	0.2536 "	L / 544	0.3154 "	L / 438	0.3817 "	L / 361	0.4533 "	L / 304
TS - 37	6.97 k / ft	0.1708 "	L / 808	0.2308 "	L / 598	0.2924 "	L / 472	0.3557 "	L / 388	0.4208 "	L / 328	0.4877 "	L / 283
TS - 04	2.29 k / ft	0.1786 "	L / 773	0.2492 "	L / 554	0.3268 "	L / 422	0.4123 "	L / 335	0.5070 "	L / 272	0.6126 "	L / 225
TS - 09	2.99 k / ft	0.1339 "	L / 1031	0.1846 "	L / 747	0.2390 "	L / 577	0.2975 "	L / 464	0.3604 "	L / 383	0.4284 "	L / 322
TS - 31	6.21 k / ft	0.2017 "	L / 684	0.2735 "	L / 504	0.3479 "	L / 397	0.4249 "	L / 325	0.5048 "	L / 273	0.5875 "	L / 235
TS - 36	7.02 k / ft	0.1606 "	L / 859	0.2171 "	L / 636	0.2751 "	L / 502	0.3348 "	L / 412	0.3962 "	L / 348	0.4593 "	L / 300
TS - 44	8.09 k / ft	0.1145 "	L / 1205	0.1541 "	L / 895	0.1946 "	L / 709	0.2358 "	L / 585	0.2778 "	L / 497	0.3207 "	L / 430
TS - 02	2.01 k / ft	0.1771 "	L / 779	0.2464 "	L / 560	0.3220 "	L / 429	0.4048 "	L / 341	0.4959 "	L / 278	0.5967 "	L / 231
TS - 06	2.48 k / ft	0.1329 "	L / 1038	0.1830 "	L / 754	0.2363 "	L / 584	0.2934 "	L / 470	0.3546 "	L / 389	0.4203 "	L / 328
TS - 29	5.59 k / ft	0.2007 "	L / 688	0.2720 "	L / 507	0.3455 "	L / 399	0.4216 "	L / 327	0.5002 "	L / 276	0.5815 "	L / 237
TS - 33	6.57 k / ft	0.1599 "	L / 863	0.2159 "	L / 639	0.2734 "	L / 505	0.3324 "	L / 415	0.3929 "	L / 351	0.4552 "	L / 303
TS - 41	7.93 k / ft	0.1138 "	L / 1212	0.1532 "	L / 901	0.1932 "	L / 714	0.2340 "	L / 590	0.2756 "	L / 501	0.3179 "	L / 434
TS - 03	2.18 k / ft	0.1420 "	L / 326	0.1914 "	L / 215	0.2488 "	L / 156	0.3069 "	L / 130	0.3691 "	L / 111	0.4321 "	L / 97
TS - 27	5.21 k / ft	0.1943 "	L / 710	0.2715 "	L / 508	0.3565 "	L / 387	0.4505 "	L / 306	0.5551 "	L / 249	0.6721 "	L / 205
TS - 32	6.71 k / ft	0.1457 "	L / 947	0.2011 "	L / 686	0.2607 "	L / 529	0.3248 "	L / 425	0.3941 "	L / 350	0.4691 "	L / 294
TS - 56	10.79 k / ft	0.2197 "	L / 628	0.2982 "	L / 463	0.3794 "	L / 364	0.4637 "	L / 298	0.5511 "	L / 250	0.6419 "	L / 215
TS - 61	12.06 k / ft	0.1756 "	L / 786	0.2374 "	L / 581	0.3010 "	L / 458	0.3665 "	L / 377	0.4339 "	L / 318	0.5034 "	L / 274
TS - 64	13.26 k / ft	0.1261 "	L / 1095	0.1698 "	L / 813	0.2144 "	L / 644	0.2600 "	L / 531	0.3065 "	L / 450	0.3540 "	L / 390
TS - 26	4.70 k / ft	0.1908 "	L / 723	0.2654 "	L / 520	0.3466 "	L / 398	0.4354 "	L / 317	0.5330 "	L / 259	0.6407 "	L / 215
TS - 30	6.14 k / ft	0.1435 "	L / 962	0.1974 "	L / 699	0.2549 "	L / 541	0.3163 "	L / 436	0.3820 "	L / 361	0.4526 "	L / 305
TS - 52	9.66 k / ft	0.2172 "	L / 635	0.2942 "	L / 469	0.3738 "	L / 369	0.4560 "	L / 303	0.5409 "	L / 255	0.6288 "	L / 219
TS - 59	11.11 k / ft	0.1735 "	L / 795	0.2343 "	L / 589	0.2967 "	L / 465	0.3607 "	L / 383	0.4264 "	L / 324	0.4939 "	L / 279
TS - 63	12.43 k / ft	0.1244 "	L / 1109	0.1674 "	L / 824	0.2112 "	L / 653	0.2558 "	L / 540	0.3012 "	L / 458	0.3475 "	L / 397
TS - 55	10.46 k / ft	0.2045 "	L / 675	0.2773 "	L / 498	0.3525 "	L / 392	0.4303 "	L / 321	0.5108 "	L / 270	0.5942 "	L / 232
TS - 22	4.40 k / ft	0.1772 "	L / 779	0.2458 "	L / 561	0.3202 "	L / 431	0.4011 "	L / 344	0.4895 "	L / 282	0.5863 "	L / 235
TS - 28	5.76 k / ft	0.1334 "	L / 1034	0.1832 "	L / 753	0.2362 "	L / 584	0.2925 "	L / 472	0.3525 "	L / 391	0.4166 "	L / 331
TS - 51	9.44 k / ft	0.2024 "	L / 682	0.2739 "	L / 504	0.3477 "	L / 397	0.4237 "	L / 326	0.5022 "	L / 275	0.5832 "	L / 237
TS - 57	10.88 k / ft	0.1617 "	L / 854	0.2181 "	L / 633	0.2760 "	L / 500	0.3353 "	L / 412	0.3961 "	L / 348	0.4584 "	L / 301
TS - 62	12.39 k / ft	0.1158 "	L / 1192	0.1557 "	L / 886	0.1963 "	L / 703	0.2377 "	L / 581	0.2798 "	L / 493	0.3226 "	L / 428
TS - 17	3.56 k / ft	0.1394 "	L / 990	0.1925 "	L / 717	0.2496 "	L / 553	0.3110 "	L / 444	0.3773 "	L / 366	0.4491 "	L / 307
TS - 24	4.66 k / ft	0.1052 "	L / 1312	0.1440 "	L / 958	0.1850 "	L / 746	0.2282 "	L / 605	0.2740 "	L / 504	0.3225 "	L / 428
TS - 15	3.40 k / ft	0.1378 "	L / 1002	0.1897 "	L / 727	0.2451 "	L / 563	0.3044 "	L / 453	0.3680 "	L / 375	0.4364 "	L / 316
TS - 23	4.50 k / ft	0.1041 "	L / 1325	0.1423 "	L / 970	0.1823 "	L / 757	0.2244 "	L / 615	0.2687 "	L / 514	0.3154 "	L / 438
TS - 54	9.91 k / ft	0.1269 "	L / 1088	0.1708 "	L / 808	0.2157 "	L / 640	0.2614 "	L / 528	0.3081 "	L / 448	0.3557 "	L / 388
TS - 12	4.26 k / ft	0.0979 "	L / 1409	0.1339 "	L / 1031	0.1716 "	L / 804	0.2114 "	L / 653	0.2533 "	L / 545	0.2975 "	L / 464
TS - 20	8.84 k / ft	0.1494 "	L / 924	0.2017 "	L / 684	0.2553 "	L / 540	0.3104 "	L / 445	0.3669 "	L / 376	0.4249 "	L / 325
TS - 46	9.98 k / ft	0.1193 "	L / 1157	0.1606 "	L / 859	0.2028 "	L / 680	0.2459 "	L / 561	0.2899 "	L / 476	0.3348 "	L / 412
TS - 53	11.51 k / ft	0.0852 "	L / 1619	0.1145 "	L / 1205	0.1441 "	L / 957	0.1742 "	L / 792	0.2048 "	L / 674	0.2358 "	L / 585
TS - 60	2.85 k / ft	0.1288 "	L / 1072	0.1771 "	L / 779	0.2285 "	L / 604	0.2833 "	L / 487	0.3420 "	L / 404	0.4048 "	L / 341
TS - 08	3.53 k / ft	0.0974 "	L / 1417	0.1329 "	L / 1038	0.1701 "	L / 811	0.2092 "	L / 660	0.2502 "	L / 551	0.2934 "	L / 470
TS - 16	7.95 k / ft	0.1488 "	L / 928	0.2007 "	L / 688	0.2539 "	L / 543	0.3084 "	L / 447	0.3643 "	L / 379	0.4216 "	L / 327
TS - 42	9.34 k / ft	0.1188 "	L / 1162	0.1589 "	L / 863	0.2017 "	L / 684	0.2444 "	L / 565	0.2880 "	L / 479	0.3324 "	L / 415
TS - 49	11.27 k / ft	0.0848 "	L / 1627	0.1138 "	L / 1212	0.1433 "	L / 963	0.1731 "	L / 797	0.2033 "	L / 679	0.2340 "	L / 590
TS - 58	3.25 k / ft	0.1296 "	L / 1065	0.1786 "	L / 773	0.2310 "	L / 598	0.2871 "	L / 481	0.3473 "	L / 397	0.4123 "	L / 335

Only wall designations highlighted orange can have horizontal wire ways.