

2.0E LVL STUD ALLOWABLE PRESSURE [PSF]

DEFLECTION LIMITED TO L/360 OR 1/4" MAX.

2.0E LVL ALLOWABLE PRESSURE [PSF]

Stud Size	Stud Spacing	Wale Spacing								Minimum Bearing Length
		18"	24"	30"	36"	42"	48"	54"	60"	
1 1/2" x 3 1/2"	6"	3000	2865	2072	1622	1258	843			3"
	8"	3000	2149	1554	1217	944	632			3"
	12"	2322	1433	1036	811	629				3"
	16"	1741	1074	777	608					3"
1 3/4" x 3 1/2"	6"	3000	3000	2417	1893	1468	983	691		3"
	8"	3000	2507	1813	1420	1101	737			3"
	12"	2709	1671	1209	946	734				3"
	16"	2032	1254	906	710					3"
2 1/4" x 3 1/2"	6"	3000	3000	3000	2434	1887	1264	888	647	3"
	8"	3000	3000	2331	1825	1415	948	666		3"
	12"	3000	2149	1554	1217	944	632			3"
	16"	2612	1612	1165	913	708				3"
2 1/2" x 3 1/2"	6"	3000	3000	3000	2704	2097	1405	987	719	3"
	8"	3000	3000	2590	2028	1573	1053	740		3"
	12"	3000	2388	1726	1352	1048	702			3"
	16"	2902	1791	1295	1014	786				3"
3 1/2" x 3 1/2"	6"	3000	3000	2544	1992	1637	1390	1207	1007	3"
	8"	3000	2639	1908	1494	1228	1042	905	755	3"
	12"	2851	1759	1272	996	819	695	604		3"
	16"	2138	1319	954	747	614				3"
1 1/2" x 4 1/2"	6"	3000	3000	2947	2256	1827	1536	1258	917	3 1/2"
	8"	3000	3000	2210	1692	1370	1152	944	688	3 1/2"
	12"	2695	2021	1474	1128	914	768	629		3 1/2"
	16"	2021	1516	1105	846	685				3 1/2"
1 3/4" x 4 1/2"	6"	3000	3000	3000	2632	2132	1792	1468	1070	3 1/2"
	8"	3000	3000	2579	1974	1599	1344	1101	802	3 1/2"
	12"	3000	2358	1719	1316	1066	896	734		3 1/2"
	16"	2358	1769	1289	987	799	672			3 1/2"
2 1/4" x 4 1/2"	6"	3000	3000	3000	3000	2741	2303	1887	1376	3 1/2"
	8"	3000	3000	3000	2538	2056	1728	1415	1032	3 1/2"
	12"	3000	3000	2210	1692	1370	1152	944	688	3 1/2"
	16"	3000	2274	1658	1269	1028	864	708		3 1/2"
2 1/2" x 4 1/2"	6"	3000	3000	3000	3000	3000	2559	2097	1529	3 1/2"
	8"	3000	3000	3000	2820	2284	1919	1573	1146	3 1/2"
	12"	3000	3000	2456	1880	1523	1280	1048	764	3 1/2"
	16"	3000	2526	1842	1410	1142	960	786		3 1/2"
3 1/2" x 4 1/2"	6"	3000	3000	3000	3000	3000	3000	2935	2140	3 1/2"
	8"	3000	3000	3000	3000	3000	2687	2202	1605	3 1/2"
	12"	3000	3000	3000	2632	2132	1792	1468	1070	3 1/2"
	16"	3000	3000	2579	1974	1599	1344	1101	802	3 1/2"

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Stud Size	Stud Spacing	Wale Spacing								Minimum Bearing Length
		18"	24"	30"	36"	42"	48"	54"	60"	
1 1/2" x 5 1/2"	6"	3000	3000	3000	2695	2310	1964	1683	1472	3 1/2"
	8"	3000	3000	2425	2021	1732	1473	1262	1104	3 1/2"
	12"	2695	2021	1617	1347	1155	982	841	736	3 1/2"
	16"	2021	1516	1213	1011	866	736	631		3 1/2"
1 3/4" x 5 1/2"	6"	3000	3000	3000	3000	2695	2291	1963	1717	3 1/2"
	8"	3000	3000	2830	2358	2021	1718	1472	1288	3 1/2"
	12"	3000	2358	1886	1572	1347	1146	982	859	3 1/2"
	16"	2358	1769	1415	1179	1011	859	736	644	3 1/2"
2 1/4" x 5 1/2"	6"	3000	3000	3000	3000	3000	2946	2524	2208	3 1/2"
	8"	3000	3000	3000	3000	2599	2209	1893	1656	3 1/2"
	12"	3000	3000	2425	2021	1732	1473	1262	1104	3 1/2"
	16"	3000	2274	1819	1516	1299	1105	947	828	3 1/2"
2 1/2" x 5 1/2"	6"	3000	3000	3000	3000	3000	3000	2805	2453	3 1/2"
	8"	3000	3000	3000	3000	2887	2455	2104	1840	3 1/2"
	12"	3000	3000	2695	2246	1925	1637	1402	1227	3 1/2"
	16"	3000	2526	2021	1684	1444	1227	1052	920	3 1/2"
3 1/2" x 5 1/2"	6"	3000	3000	3000	3000	3000	3000	3000	3000	3 1/2"
	8"	3000	3000	3000	3000	3000	3000	2945	2576	3 1/2"
	12"	3000	3000	3000	3000	2695	2291	1963	1717	3 1/2"
	16"	3000	3000	2830	2358	2021	1718	1472	1288	3 1/2"
1 3/4" x 6 1/2"	8"	3000	3000	3000	2967	2543	2183	1851	1606	4 1/2"
	12"	3000	2967	2373	1978	1695	1455	1234	1071	4 1/2"
	16"	2967	2225	1780	1483	1271	1091	925	803	4 1/2"
	19.2"	2472	1854	1483	1236	1059	910	771	669	4 1/2"
2 1/4" x 6 1/2"	8"	3000	3000	3000	3000	3000	2806	2379	2065	4 1/2"
	12"	3000	3000	3000	2543	2180	1871	1586	1377	4 1/2"
	16"	3000	2861	2288	1907	1635	1403	1190	1032	4 1/2"
	19.2"	3000	2384	1907	1589	1362	1169	991	860	4 1/2"
2 1/2" x 6 1/2"	8"	3000	3000	3000	3000	3000	3000	2644	2294	4 1/2"
	12"	3000	3000	3000	2825	2422	2079	1762	1530	4 1/2"
	16"	3000	3000	2543	2119	1816	1559	1322	1147	4 1/2"
	19.2"	3000	2649	2119	1766	1514	1299	1102	956	4 1/2"
3 1/2" x 6 1/2"	8"	3000	3000	3000	3000	3000	3000	3000	3000	4 1/2"
	12"	3000	3000	3000	3000	3000	2910	2467	2141	4 1/2"
	16"	3000	3000	3000	2967	2543	2183	1851	1606	4 1/2"
	19.2"	3000	3000	2967	2472	2119	1819	1542	1338	4 1/2"

Notes:

- Table values are for beam orientation except for shaded cells. Values in shaded cells are for either plank or beam orientation.
- Span is measured from center to center of supports.
- Table values are limited by deflection equal to the lesser of 1/4-inch or span/360.
- Table values have been adjusted by C_M = 0.90 for unprotected use and by C_D = 1.25 for construction load duration.
- Table values are based on 3 or more equal, continuous spans. Use sizing software or consult a professional engineer when a continuous span is less than half the length of an adjacent span or when design conditions are otherwise outside the scope of this table.

HOW TO USE THESE TABLES:

- Determine the design wall pressure in pounds per square foot (psf).
- Select a combination of stud size, stud spacing, and wale spacing that will resist the design wall pressure.
- Verify that the required Minimum Bearing Length can be provided. If not, use sizing software or consult a professional engineer.