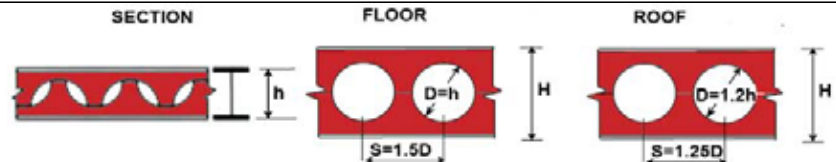


# Cellular Beams



Section Size h x b	Unit Weight M		FLOOR BEAMS							ROOF BEAMS						
			H	D	S	Ixx	Zexx	Zplx	Anet	H	D	S	Ixx	Zexx	Zplx	Anet
in (mm)	lb/ft	kg/m	mm	mm	mm	cm <sup>4</sup>	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>2</sup>	mm	mm	mm	cm <sup>4</sup>	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>2</sup>
<b>W6-6x6</b> (152x152)	15	22.32	217.4	150	225	2541	233.8	245.5	23.8	239.5	180	225	3080	257.1	267.9	23.4
	20	29.76	222.6	150	225	3543	318.4	337.3	32.2	244.7	180	225	4291	350.7	368.6	31.7
	25	37.20	226.8	150	225	4456	393.1	420.2	39.8	248.9	180	225	5389	433.0	458.9	39.2
<b>W8-8x5 1/4</b> (203x133)	17	25.1	289.8	200	300	4732	326.5	343.1	25.0	309.3	225	300	5384	348.2	364.0	24.7
	20	30.0	293.4	200	300	5852	398.9	421.0	30.5	312.9	225	300	6656	425.5	446.8	30.1
<b>W8-8x8</b> (203x203)	31	46.13	269.3	200	350	7906	587.1	616.7	48.2	322.0	245	305	11571	718.7	750.4	4.87
	35	52.09	272.3	200	350	9098	668.1	705.4	54.8	325.0	245	305	13283	817.5	857.1	5.54
	40	59.53	275.7	200	350	10564	766.2	814.1	62.9	328.4	245	305	15394	937.6	988.5	6.36
	48	71.43	281.9	200	350	13116	930.4	997.9	76.1	334.6	245	305	19013	1136.6	1207.8	7.69
<b>W10-10x5 3/4</b> (254x146)	21	31.1	359.7	250	375	8971	498.8	523.2	30.7	383.7	275	350	10262	534.9	559.3	30.6
	25	37.0	364.3	250	375	11254	617.9	650.1	37.7	388.3	275	350	12859	662.3	694.7	37.7
	29	43.0	367.9	250	375	13275	721.8	763.0	44.1	391.9	275	350	15160	773.7	815.0	44
	35	51.3	371.5	250	375	15981	858.1	903.1	53.1	399.3	275	350	18244	903.1	949.1	53.1
<b>W10-10x10</b> (254x254)	49	72.92	362.4	250	375	23472	1295.5	1364.1	79.5	399.3	300	375	28548	1429.8	1494.7	78.4
	60	89.29	368.6	250	375	29231	1586.2	1683.7	97.3	405.5	300	375	35502	1750.9	1844.0	96
	72	107.00	375.0	250	375	35671	1902.7	2037.4	116.9	411.9	300	375	43247	2099.7	2229.0	115.2
	89	132.00	384.6	250	375	45888	2365.8	2562.5	145.1	421.5	300	375	55032	2611.0	2801.5	143.1
<b>W12-12x4</b> (305x102)	16.5	24.8	435.0	300	450	8816	405.3	430.9	21.2	463.2	325	400	10124	437.1	463.9	21.4
	19	28.2	438.6	300	450	10657	485.9	515.9	25.2	466.8	325	400	12214	523.3	554.6	25.4
	22	32.8	442.6	300	450	12932	584.3	621.5	30.1	470.8	325	400	14801	628.7	667.4	30.3
	27	40.3	433.3	300	450	17237	795.6	832.8	40.4	461.5	325	400	19718	854.5	893.0	40.6
<b>W12-12x6 1/2</b> (305x165)	31	46.1	436.5	300	450	20061	919.2	965.2	46.7	464.7	325	400	22934	987.0	1034.6	46.9
	36	54.0	440.3	300	450	23670	1075.2	1134.4	54.7	468.5	325	400	27047	1154.6	1215.6	54.9
	45	67.1	445.0	300	450	31116	1413.6	1488.1	72.5	475.5	325	400	35502	1511.0	1586.0	72.5
<b>W12-12x12</b> (305x305)	65	96.73	437.8	300	450	45298	2069.3	2173.2	104.6	486.0	370	470	55687	2291.6	2386.7	102.5
	79	117.56	444.4	300	450	56163	2527.6	2674.1	127.8	492.6	370	470	68954	2799.5	2935.2	125.2
	92	137.00	450.4	300	450	66358	2946.6	3137.4	149.0	498.6	370	470	81380	3264.3	3442.5	146
	106	157.74	457.0	300	450	78001	3413.6	3659.8	172.5	505.2	370	470	95538	3782.1	4013.8	169.1
<b>W14-14x6 3/4</b> (356x171)	30	45.0	503.0	350	525	24287	965.8	1013.5	42.5	532.1	375	475	27436	1031.2	1081.0	42.8
	34	51.0	506.6	350	525	28501	1125.3	1182.3	49.3	535.7	375	475	32162	1200.7	1260.0	49.6
	38	57.0	509.6	350	525	32342	1269.4	1337.0	55.6	538.7	375	475	36478	1354.3	1424.4	55.9
	45	67.1	515.0	350	525	39223	1523.4	1610.9	66.5	554.1	375	475	44196	1624.5	1715.0	66.9
<b>W16-16x5 1/2</b> (406x140)	26	38.69	571.2	400	600	24957	873.8	921.2	34.2	604.5	425	525	28367	938.5	989.7	34.8
	31	46.13	576.4	400	600	31451	1091.3	1149.9	42.3	609.7	425	525	35662	1169.8	1232.6	42.9
<b>W16-16x7</b> (406x178)	36	53.57	575.8	400	600	37713	1309.9	1377.0	50.6	609.1	425	525	42739	1403.3	1475.1	51.2
	40	59.53	579.6	400	600	43565	1503.3	1580.9	57.7	612.9	425	525	49297	1608.6	1691.1	58.4
	45	66.97	582.6	400	600	49074	1684.6	1776.3	64.7	615.9	425	525	55511	1802.5	1899.8	65.4
	50	74.41	586.0	400	600	55063	1879.3	1986.0	72.1	619.3	425	525	62247	2010.1	2123.1	72.9
<b>W18-18x7 1/2</b> (457x191)	45	67.1	648.3	450	675	59376	1831.9	1926.9	62.9	682.5	475	600	66618	1952.1	2053.6	63.7
	50	74.3	651.9	450	675	67373	2067.1	2176.9	70.8	686.1	475	600	75522	2201.4	2318.2	71.6
	55	82.0	654.9	450	675	74891	2287.3	2414.4	78.3	689.1	475	600	83924	2435.7	2570.6	79.2
	60	89.3	658.3	450	675	82871	2517.9	2662.5	86.1	692.5	475	600	92809	2680.3	2833.4	87.1
	66	98.3	662.1	450	675	92309	2788.6	2956.3	95.3	696.3	475	600	103329	2967.8	3144.9	96.3
<b>W21-21x8 1/4</b> (533x210)	55	82.2	759.1	525	775	96581	2544.5	2682.9	75.1	796.1	550	675	107646	2704.3	2853.7	76.2
	62	92.1	763.9	525	775	112366	2941.8	3103.0	86.3	800.9	550	675	125070	3123.2	3296.2	87.5
	68	101	767.5	525	775	125204	3262.5	3446.4	95.5	804.5	550	675	139274	3462.4	3658.9	96.8
	73	109	770.3	525	775	135978	3530.4	3736.0	103.4	807.3	550	675	151220	3746.3	3965.7	104.7
	82	122	775.3	525	775	154662	3989.3	4232.8	116.7	812.3	550	675	171888	4232.1	4490.7	118.2

BEAMS AND COLUMNS