

NEXT F BEAM PROPERTIES

BEAM TYPE	WIDTH (in)		DEPTH (in)	B (in)	AREA (in ²)	I (in ⁴)	Y _b (in)	Y _t (in)	S _b (in ³)	S _t (in ³)	WEIGHT (lbs/ft)	MAX. SPAN (ft)
	Nominal	Actual										
96" WIDE BEAMS												
NEXT 24F	96	95.5	24	13.75	972	51905	14.94	9.06	3475	5730	1013	62
NEXT 28F	96	95.5	28	13.50	1082	80037	17.23	10.77	4646	7432	1128	70
NEXT 32F	96	95.5	32	13.25	1190	116036	19.50	12.50	5951	9283	1240	78
NEXT 36F	96	95.5	36	13.00	1296	160602	21.75	14.25	7384	11271	1350	85
102" WIDE BEAMS												
NEXT 24F	102	101.5	24	13.75	996	53105	15.11	8.89	3515	5974	1038	61
NEXT 28F	102	101.5	28	13.50	1106	81875	17.42	10.58	4701	7739	1153	69
NEXT 32F	102	101.5	32	13.25	1214	118662	19.71	12.29	6021	9656	1265	78
NEXT 36F	102	101.5	36	13.00	1320	164167	21.97	14.03	7473	11702	1375	85
108" WIDE BEAMS												
NEXT 24F	108	107.5	24	13.75	1020	54250	15.27	8.73	3553	6215	1063	61
NEXT 28F	108	107.5	28	13.50	1130	83636	17.60	10.40	4753	8042	1178	68
NEXT 32F	108	107.5	32	13.25	1238	121188	19.91	12.09	6087	10024	1290	76
NEXT 36F	108	107.5	36	13.00	1344	167606	22.22	13.81	7544	12137	1400	85
114" WIDE BEAMS												
NEXT 24F	114	113.5	24	13.75	1043	55345	15.42	8.58	3590	6451	1087	60
NEXT 28F	114	113.5	28	13.50	1154	85326	17.78	10.22	4799	8349	1203	68
NEXT 32F	114	113.5	32	13.25	1262	123619	20.10	11.90	6151	10389	1315	75
NEXT 36F	114	113.5	36	13.00	1368	170925	22.41	13.59	7628	12578	1425	84
120" WIDE BEAMS												
NEXT 24F	120	119.5	24	13.75	1068	56391	15.57	8.43	3622	6690	1113	57
NEXT 28F	120	119.5	28	13.50	1178	86948	17.94	10.06	4847	8643	1228	65
NEXT 32F	120	119.5	32	13.25	1286	125960	20.28	11.72	6212	10748	1340	73
NEXT 36F	120	119.5	36	13.00	1392	174131	22.59	13.41	7709	12986	1450	81
126" WIDE BEAMS												
NEXT 24F	126	125.5	24	13.75	1092	57393	15.71	8.29	3654	6924	1138	57
NEXT 28F	126	125.5	28	13.50	1202	88506	18.11	9.89	4888	8950	1253	64
NEXT 32F	126	125.5	32	13.25	1310	128217	20.46	11.54	6267	11111	1365	73
NEXT 36F	126	125.5	36	13.00	1416	177230	22.78	13.22	7781	13407	1475	79
132" WIDE BEAMS												
NEXT 24F	132	131.5	24	13.75	1116	58353	15.85	8.15	3682	7160	1163	57
NEXT 28F	132	131.5	28	13.50	1226	90005	18.26	9.74	4930	9241	1278	64
NEXT 32F	132	131.5	32	13.25	1334	130393	20.63	11.37	6321	11469	1390	72
NEXT 36F	132	131.5	36	13.00	1440	180226	22.97	13.03	7847	13832	1500	79
138" WIDE BEAMS												
NEXT 24F	138	137.5	24	13.75	1140	59274	15.98	8.02	3710	7391	1188	55
NEXT 28F	138	137.5	28	13.50	1250	91447	18.41	9.59	4968	9536	1303	63
NEXT 32F	138	137.5	32	13.25	1358	132494	20.80	11.20	6370	11830	1415	71
NEXT 36F	138	137.5	36	13.00	1464	183125	23.09	12.84	7931	14263	1525	79
144" WIDE BEAMS												
NEXT 24F	144	143.5	24	13.75	1164	60159	16.10	7.90	3737	7616	1213	54
NEXT 28F	144	143.5	28	13.50	1274	92836	18.55	9.45	5005	9824	1328	63
NEXT 32F	144	143.5	32	13.25	1382	134523	20.96	11.04	6419	12186	1440	70
NEXT 36F	144	143.5	36	13.00	1488	186000	23.34	12.66	7970	14692	1550	78

NOTE:

See Dwg. No. 6.3.4 for maximum span length design assumptions.