

FIRST FLOOR	2673	SQ. FT.
SECOND FLOOR	2613	SQ. FT.
GARAGE	884	SQ. FT.
STORAGE	116	SQ. FT.
COVERED TERRACE	427	SQ. FT.
COVERED PORCH	164	SQ. FT.
COVERED DECK (2ND FLOOR)	427	SQ. FT.

iLevel Trus Joist Beam, Header and Column, Specifier's Guide TJ-9000

COLUMNS

Allowable Axial Loads (lbs) for 1.8E Parallam® PSL

Column Spacing Type	Elevation Offset Length	Volume Size																																																																																																																																																																																																																		
		10' x 10'						12' x 12'						14' x 14'						16' x 16'						18' x 18'																																																																																																																																																																																										
		10' x 10'	12' x 12'	14' x 14'	16' x 16'	18' x 18'	10' x 10'	12' x 12'	14' x 14'	16' x 16'	18' x 18'	10' x 10'	12' x 12'	14' x 14'	16' x 16'	18' x 18'	10' x 10'	12' x 12'	14' x 14'	16' x 16'	18' x 18'	10' x 10'	12' x 12'	14' x 14'	16' x 16'	18' x 18'																																																																																																																																																																																										
10'	10,000	12,000	14,000	16,000	18,000	20,000	22,000	24,000	26,000	28,000	30,000	32,000	34,000	36,000	38,000	40,000	42,000	44,000	46,000	48,000	50,000	52,000	54,000	56,000	58,000	60,000	62,000	64,000	66,000	68,000	70,000	72,000	74,000	76,000	78,000	80,000	82,000	84,000	86,000	88,000	90,000	92,000	94,000	96,000	98,000	100,000																																																																																																																																																																						
12'	12,000	14,400	16,800	19,200	21,600	24,000	26,400	28,800	31,200	33,600	36,000	38,400	40,800	43,200	45,600	48,000	50,400	52,800	55,200	57,600	60,000	62,400	64,800	67,200	69,600	72,000	74,400	76,800	79,200	81,600	84,000	86,400	88,800	91,200	93,600	96,000	98,400	100,800	103,200	105,600	108,000	110,400	112,800	115,200	117,600	120,000																																																																																																																																																																						
14'	14,000	16,800	19,600	22,400	25,200	28,000	30,800	33,600	36,400	39,200	42,000	44,800	47,600	50,400	53,200	56,000	58,800	61,600	64,400	67,200	70,000	72,800	75,600	78,400	81,200	84,000	86,800	89,600	92,400	95,200	98,000	100,800	103,600	106,400	109,200	112,000	114,800	117,600	120,400	123,200	126,000	128,800	131,600	134,400	137,200	140,000																																																																																																																																																																						
16'	16,000	19,200	22,400	25,600	28,800	32,000	35,200	38,400	41,600	44,800	48,000	51,200	54,400	57,600	60,800	64,000	67,200	70,400	73,600	76,800	80,000	83,200	86,400	89,600	92,800	96,000	99,200	102,400	105,600	108,800	112,000	115,200	118,400	121,600	124,800	128,000	131,200	134,400	137,600	140,800	144,000	147,200	150,400	153,600	156,800	160,000																																																																																																																																																																						
18'	18,000	21,600	25,200	28,800	32,400	36,000	39,600	43,200	46,800	50,400	54,000	57,600	61,200	64,800	68,400	72,000	75,600	79,200	82,800	86,400	90,000	93,600	97,200	100,800	104,400	108,000	111,600	115,200	118,800	122,400	126,000	129,600	133,200	136,800	140,400	144,000	147,600	151,200	154,800	158,400	162,000	165,600	169,200	172,800	176,400	180,000																																																																																																																																																																						
20'	20,000	24,000	28,000	32,000	36,000	40,000	44,000	48,000	52,000	56,000	60,000	64,000	68,000	72,000	76,000	80,000	84,000	88,000	92,000	96,000	100,000	104,000	108,000	112,000	116,000	120,000	124,000	128,000	132,000	136,000	140,000	144,000	148,000	152,000	156,000	160,000	164,000	168,000	172,000	176,000	180,000	184,000	188,000	192,000	196,000	200,000																																																																																																																																																																						
22'	22,000	26,400	30,800	35,200	39,600	44,000	48,400	52,800	57,200	61,600	66,000	70,400	74,800	79,200	83,600	88,000	92,400	96,800	101,200	105,600	110,000	114,400	118,800	123,200	127,600	132,000	136,400	140,800	145,200	149,600	154,000	158,400	162,800	167,200	171,600	176,000	180,400	184,800	189,200	193,600	198,000	202,400	206,800	211,200	215,600	220,000																																																																																																																																																																						
24'	24,000	28,800	33,600	38,400	43,200	48,000	52,800	57,600	62,400	67,200	72,000	76,800	81,600	86,400	91,200	96,000	100,800	105,600	110,400	115,200	120,000	124,800	129,600	134,400	139,200	144,000	148,800	153,600	158,400	163,200	168,000	172,800	177,600	182,400	187,200	192,000	196,800	201,600	206,400	211,200	216,000	220,800	225,600	230,400	235,200	240,000																																																																																																																																																																						
26'	26,000	31,200	36,400	41,600	46,800	52,000	57,200	62,400	67,600	72,800	78,000	83,200	88,400	93,600	98,800	104,000	109,200	114,400	119,600	124,800	130,000	135,200	140,400	145,600	150,800	156,000	161,200	166,400	171,600	176,800	182,000	187,200	192,400	197,600	202,800	208,000	213,200	218,400	223,600	228,800	234,000	239,200	244,400	249,600	254,800	260,000																																																																																																																																																																						
28'	28,000	33,600	39,200	44,800	50,400	56,000	61,600	67,200	72,800	78,400	84,000	89,600	95,200	100,800	106,400	112,000	117,600	123,200	128,800	134,400	140,000	145,600	151,200	156,800	162,400	168,000	173,600	179,200	184,800	190,400	196,000	201,600	207,200	212,800	218,400	224,000	229,600	235,200	240,800	246,400	252,000	257,600	263,200	268,800	274,400	280,000																																																																																																																																																																						
30'	30,000	36,000	42,000	48,000	54,000	60,000	66,000	72,000	78,000	84,000	90,000	96,000	102,000	108,000	114,000	120,000	126,000	132,000	138,000	144,000	150,000	156,000	162,000	168,000	174,000	180,000	186,000	192,000	198,000	204,000	210,000	216,000	222,000	228,000	234,000	240,000	246,000	252,000	258,000	264,000	270,000	276,000	282,000	288,000	294,000	300,000																																																																																																																																																																						
32'	32,000	38,400	44,800	51,200	57,600	64,000	70,400	76,800	83,200	89,600	96,000	102,400	108,800	115,200	121,600	128,000	134,400	140,800	147,200	153,600	160,000	166,400	172,800	179,200	185,600	192,000	198,400	204,800	211,200	217,600	224,000	230,400	236,800	243,200	249,600	256,000	262,400	268,800	275,200	281,600	288,000	294,400	300,800	307,200	313,600	320,000																																																																																																																																																																						
34'	34,000	40,800	47,600	54,400	61,200	68,000	74,800	81,600	88,400	95,200	102,000	108,800	115,600	122,400	129,200	136,000	142,800	149,600	156,400	163,200	170,000	176,800	183,600	190,400	197,200	204,000	210,800	217,600	224,400	231,200	238,000	244,800	251,600	258,400	265,200	272,000	278,800	285,600	292,400	299,200	306,000	312,800	319,600	326,400	333,200	340,000																																																																																																																																																																						
36'	36,000	43,200	50,400	57,600	64,800	72,000	79,200	86,400	93,600	100,800	108,000	115,200	122,400	129,600	136,800	144,000	151,200	158,400	165,600	172,800	180,000	187,200	194,400	201,600	208,800	216,000	223,200	230,400	237,600	244,800	252,000	259,200	266,400	273,600	280,800	288,000	295,200	302,400	309,600	316,800	324,000	331,200	338,400	345,600	352,800	360,000																																																																																																																																																																						
38'	38,000	45,600	52,800	60,000	67,200	74,400	81,600	88,800	96,000	103,200	110,400	117,600	124,800	132,000	139,200	146,400	153,600	160,800	168,000	175,200	182,400	189,600	196,800	204,000	211,200	218,400	225,600	232,800	240,000	247,200	254,400	261,600	268,800	276,000	283,200	290,400	297,600	304,800	312,000	319,200	326,400	333,600	340,800	348,000	355,200	362,400	369,600	376,800	384,000																																																																																																																																																																			
40'	40,000	48,000	56,000	64,000	72,000	80,000	88,000	96,000	104,000	112,000	120,000	128,000	136,000	144,000	152,000	160,000	168,000	176,000	184,000	192,000	200,000	208,000	216,000	224,000	232,000	240,000	248,000	256,000	264,000	272,000	280,000	288,000	296,000	304,000	312,000	320,000	328,000	336,000	344,000	352,000	360,000	368,000	376,000	384,000	392,000	400,000																																																																																																																																																																						
42'	42,000	50,400	58,800	67,200	75,600	84,000	92,400	100,800	109,200	117,600	126,000	134,400	142,800	151,200	160,000	168,000	176,000	184,800	193,600	202,400	211,200	220,000	228,800	237,600	246,400	255,200	264,000	272,800	281,600	290,400	299,200	308,000	316,800	325,600	334,400	343,200	352,000	360,800	369,600	378,400	387,200	396,000	404,800	413,600	422,400	431,200	440,000																																																																																																																																																																					
44'	44,000	52,800	61,600	70,400	79,200	88,000	96,800	105,600	114,400	123,200	132,000	140,800	149,600	158,400	167,200	176,000	184,800	193,600	202,400	211,200	220,000	228,800	237,600	246,400	255,200	264,000	272,800	281,600	290,400	299,200	308,000	316,800	325,600	334,400	343,200	352,000	360,800	369,600	378,400	387,200	396,000	404,800	413,600	422,400	431,200	440,000	448,800	457,600	466,400	475,200	484,000	492,800	501,600	510,400	519,200	528,000	536,800	545,600	554,400	563,200	572,000	580,800	589,600	598,400	607,200	616,000	624,800	633,600	642,400	651,200	660,000	668,800	677,600	686,400	695,200	704,000	712,800	721,600	730,400	739,200	748,000	756,800	765,600	774,400	783,200	792,000	800,800	809,600	818,400	827,200	836,000	844,800	853,600	862,400	871,200	880,000	888,800	897,600	906,400	915,200	924,000	932,800	941,600	950,400	959,200	968,000	976,800	985,600	994,400	1003,200	1012,000	1020,800	1029,600	1038,400	1047,200	1056,000	1064,800	1073,600	1082,400	1091,200	1100,000	1108,800	1117,600	1126,400	1135,200	1144,000	1152,800	1161,600	1170,400	1179,200	1188,000	1196,800	1205,600	1214,400	1223,200	1232,000	1240,800	1249,600	1258,400	1267,200	1276,000	1284,800	1293,600	1302,400	1311,200	1320,000	1328,800	1337,600	1346,400	1355,200	1364,000	1372,800	1381,600	1390,400	1399,200	1408,000	1416,800	1425,600	1434,400	1443,200	1452,000	1460,800	1469,600	1478,400	1487,200	1496,000	1504,800	1513,600	1522,400	1531,200	1540,000	1548,800	1557,600	1566,400	1575,200	1584,000	1592,800	1601,600	1610,400	1619,200	1628,000	1636,800	1645,600	1654,400	1663,200	1672,000	1680,800	1689,600	1698,400	1707,200	1716,000	1724,800	1733,600	1742,400	1751,200	1760,000	1768,800	1777,600	1786,400	1795,200	1804,000	1812,800	1821,600	1830,400	1839,200	1848,000	1856,800	1865,600	1874,400	1883,200	1892,000	1900,80