



Estimating Scaffold Requirements

How to estimate your scaffold requirements (using the chart below):

Find the height you need. Check the column under the height of the frame you are using until you come to the total height you want to reach. Note the number of frames high (in 1st column). Look across top line to total length your scaffold must extend. Look down the column until you are opposite the number of frames high you located first. The top figure is the number of frames of scaffold you need and the bottom figure is the number of braces.

No. Frames High	Using Standard SP07 Stack Pins				Using SP09 Stack Pins with 1" collar				No. Required	Length Based on 7' Spacing																																														
	4' Frames	4'-6" Frames	5' Frames	6'6" Frames	4' Frames	4'-6" Frames	5' Frames	6'6" Frames		7'	14'	21'	28'	35'	42'	49'	56'	63'	70'	77'	84'	91'	98'	105'	112'	119'	126'	133'	140'	147'	154'	161'																								
1	4'	4'6"	5'	6'6"	4'	4'6"	5'	6'6"	Frames 2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Braces 2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
2	8'	9'	10'	13'	8'1"	9'1"	10'1"	13'1"	Frames 4	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	Braces 4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	
3	12'	13'6"	15'	19'6"	12'2"	13'7"	15'2"	19'7"	Frames 6	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	Braces 6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	
4	16'	18'	20'	26'	16'3"	18'8"	20'3"	26'3"	Frames 8	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	Braces 8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168	176	184		
5	20'	22'6"	25'	32'6"	20'4"	23'2"	25'4"	32'7"	Frames 10	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	Braces 10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	
6	24'	27'	30'	39'	24'5"	27'3"	30'5"	39'5"	Frames 12	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144	Braces 12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	
7	28'	31'6"	35'	45'6"	28'6"	31'9"	35'6"	45'7"	Frames 14	14	21	28	35	42	49	56	63	70	77	84	91	98	105	112	119	126	133	140	147	154	161	168	Braces 14	28	42	56	70	84	98	112	126	140	154	168	182	196	210	224	238	252	266	280	294	308	322	
8	32'	36'	40'	52'	32'7"	36'10"	40'7"	52'7"	Frames 16	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168	176	184	192	Braces 16	32	48	64	80	96	112	128	144	160	176	192	208	224	240	256	272	288	304	320	336	352	368	
9	36'	40'6"	45'	58'6"	36'8"	41'4"	45'8"	58'7"	Frames 18	18	27	36	45	54	63	72	81	90	99	108	117	126	135	144	153	162	171	180	189	198	207	216	Braces 18	36	54	72	90	108	126	144	162	180	198	216	234	252	270	288	306	324	342	360	378	396	414	
10	40'	45'	50'	65'	40'9"	45'5"	50'9"	65'7"	Frames 20	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	Braces 20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	
11	44'	49'6"	55'	72'	44'10"	49'11"	55'10"	71'7"	Frames 22	22	33	44	55	66	77	88	99	110	121	132	143	154	165	176	187	198	209	220	231	242	253	264	Braces 22	44	66	88	110	132	154	176	198	220	242	264	286	308	330	352	374	396	418	440	462	484	506	
12	48'	54'	60'	78'6"	48'11"	55'	60'11"	78'11"	Frames 24	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	Braces 24	48	72	96	120	144	168	192	216	240	264	288	312	336	360	384	408	432	456	480	504	528	552	
13	52'	58'6"	65'	85'	53'	58'7"	66'	84'7"	Frames 26	26	39	52	65	78	91	104	117	130	143	156	169	182	195	208	221	234	247	260	273	286	299	312	Braces 25	52	78	104	130	156	182	208	234	260	286	312	338	364	390	416	442	468	494	520	546	572	598	
14	56'	63'	70'	91'6"	57'1"	63'8"	71'1"	92'	Frames 28	28	42	56	70	84	98	112	126	140	154	168	182	196	210	224	238	252	266	280	294	308	322	336	Braces 28	56	84	112	140	168	196	224	252	280	308	336	364	392	420	448	476	504	532	560	588	616	644	
15	60'	67'6"	75'	98'	61'2"	68'5"	76'2"	98'7"	Frames 30	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	Braces 30	60	90	120	150	180	210	240	270	300	330	360	390	420	450	480	510	540	570	600	630	660	690	