

3" COMPOSITE DECK		Sectional Properties				
	Type	Design Thickness	Weight PSF	Ip In. <sup>4</sup> /Ft.	Sp In. <sup>3</sup> /Ft.	Sn In. <sup>3</sup> /Ft.
	22	.0295	2.1	0.766	0.428	0.436
	20	.0358	2.5	0.965	0.551	0.565
	18	.0474	3.3	1.315	0.820	0.826
	16	0.0600	4.1	1.667	1.051	1.050

Slab Total Thickness (D or h)	Type	Maximum Unshored Clear Span		Superimposed Live Load-PSF: No Studs														
				Span Feet														
				Single Span	Double Span	Triple Span	9'-0"	9'-6"	10'-0"	10'-6"	11'-0"	11'-6"	12'-0"	12'-6"	13'-0"	13'-6"	14'-0"	14'-6"
Regular Weight Concrete @ 145 PCF	5-1/2"	22	9'-1"	10'-1"	10'-5"	253	224	198	176	157	141	126	113	102	92	83	75	
		20	10'-6"	12'-8"	13'-2"	310	274	244	217	195	175	158	142	129	117	106	96	
		18	11'-7"	13'-10"	14'-3"	319	282	251	224	201	180	162	147	133	120	109	99	
		16	13'-3"	15'-6"	15'-7"	319	282	251	224	201	180	162	147	133	120	109	99	
	6"	22	8'-4"	9'-3"	9'-7"	293	259	230	204	182	163	147	132	119	107	97	87	
		20	10'-0"	12'-2"	12'-7"	358	317	282	252	226	203	183	165	150	136	123	112	
		18	11'-0"	13'-2"	13'-8"	369	327	290	259	233	209	189	170	154	140	127	116	
		16	12'-7"	14'-10"	15'-2"	369	327	290	259	233	209	189	170	154	140	127	116	
	6-1/2"	22	7'-9"	8'-6"	8'-11"	335	296	262	234	209	187	168	151	136	123	111	100	
		20	9'-7"	11'-8"	11'-11"	400	362	322	288	258	232	209	189	171	156	141	129	
		18	10'-6"	12'-8"	13'-2"	400	373	332	297	266	240	216	195	177	161	146	133	
		16	12'-0"	14'-4"	14'-10"	400	373	332	297	266	240	216	195	177	161	146	133	
	7"	22	7'-2"	8'-0"	8'-4"	378	334	296	264	236	212	190	171	154	140	126	114	
		20	9'-4"	11'-0"	11'-2"	400	400	364	325	292	262	237	214	194	176	160	146	
		18	10'-3"	12'-3"	12'-8"	400	400	375	336	301	271	245	222	201	182	166	151	
		16	11'-8"	13'-9"	14'-3"	400	400	375	336	301	271	245	222	201	182	166	151	
	7-1/2"	22	6'-9"	7'-6"	7'-9"	400	373	331	295	264	237	213	192	173	157	142	128	
		20	9'-0"	10'-4"	10'-5"	400	400	400	363	326	294	265	240	218	198	180	164	
		18	10'-0"	11'-10"	12'-3"	400	400	400	376	337	304	274	248	225	205	187	170	
		16	11'-5"	13'-4"	13'-9"	400	400	400	376	337	304	274	248	225	205	187	170	
	Lightweight Concrete @ 115 PCF	5-1/2"	22	10'-0"	11'-8"	12'-2"	251	222	197	176	158	142	128	115	104	95	86	78
			20	11'-6"	13'-10"	14'-4"	304	270	240	215	193	174	158	143	130	118	108	98
			18	12'-9"	14'-11"	15'-6"	311	276	246	221	198	179	162	147	133	121	111	101
			16	14'-1"	16'-10"	16'-6"	311	276	246	221	198	179	162	147	133	121	111	101
6"		22	9'-6"	10'-10"	11'-4"	290	257	229	204	183	165	149	134	122	110	100	91	
		20	11'-0"	13'-3"	13'-9"	352	312	278	249	224	202	183	166	151	137	125	115	
		18	12'-1"	14'-4"	14'-10"	360	320	285	256	230	207	188	170	155	141	129	118	
		16	13'-8"	16'-2"	16'-1"	360	320	285	256	230	207	188	170	155	141	129	118	
6-1/4"		22	9'-4"	10'-5"	10'-11"	311	275	245	219	196	177	159	144	131	118	108	98	
		20	10'-9"	13'-0"	13'-6"	377	334	298	267	240	217	196	178	162	147	135	123	
		18	11'-10"	14'-1"	14'-7"	386	343	306	274	246	222	201	183	166	151	138	126	
		16	13'-6"	15'-10"	15'-10"	386	343	306	274	246	222	201	183	166	151	138	126	
6-1/2"		22	9'-1"	10'-1"	10'-6"	332	294	262	234	210	189	170	154	140	127	115	105	
		20	10'-6"	12'-9"	13'-3"	400	357	318	285	257	232	210	190	173	158	144	132	
		18	11'-7"	13'-10"	14'-4"	400	366	327	293	263	238	215	195	178	162	148	135	
		16	13'-3"	15'-7"	15'-8"	400	366	327	293	263	238	215	195	178	162	148	135	
7-1/4"		22	8'-3"	9'-2"	9'-6"	397	352	313	280	251	226	204	185	168	153	139	127	
		20	9'-11"	12'-2"	12'-6"	400	400	381	342	307	278	251	228	208	190	173	159	
		18	10'-11"	13'-2"	13'-7"	400	400	391	351	316	285	259	235	214	195	178	163	
		16	12'-6"	14'-9"	15'-2"	400	400	391	351	316	285	259	235	214	195	178	163	

All data taken from manufacturer's catalogs and is presented for estimating purposes only.  
 All loads are based on Load and Resistance Factor Design rationale with the exception of web crippling being based on Allowable Stress Design.  
 Section properties have been determined in accordance with the American Iron and Steel Institute's Specifications for the Design of Cold Formed Steel Structural Members.  
 Revised: 3/8/2006