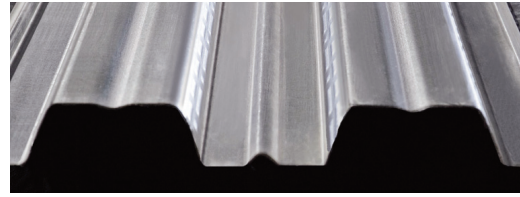
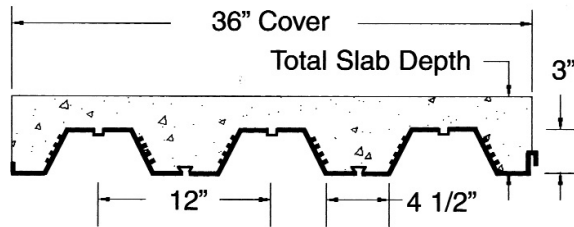


3" COMPOSITE DECK *NORMAL WEIGHT CONCRETE (145 pcf)*



Helpful Hint: 3" Composite deck is used when the spans and loads exceed the capabilities of 1 1/2" and 2" Composite deck.

Section Properties (F_y=40 ksi)

Gage	Design Thickness	Weight (psf) Glv	I _p (In ⁴)	S _p (In ³)	S _n (In ³)
22	.0295	1.75	0.774	0.435	0.460
20	.0358	2.03	0.968	0.559	0.582
18	.0474	2.75	1.277	0.780	0.780
16	.0598	3.50	1.614	0.991	0.986

- Section properties calculated in accordance with AISI specifications

Slab Depth	Gage	Max Unshored Clear Span			Superimposed Live Load in Pounds Per Square Foot										
		One	Two	Three	9'-0"	9'-6"	10'-0"	10'-6"	11'-0"	11'-6"	12'-0"	12'-6"	13'-0"	13'-6"	14'-0"
5.5"	22	7-10	9-7	9-9	135	118	104	92	82	73	65	58	52	46	41
	20	9-1	11-6	11-11	199	154	136	121	108	97	87	78	70	63	57
	18	11-0	13-3	13-9	273	245	221	201	157	142	128	116	105	96	87
	16	12-6	14-10	15-4	352	316	285	258	235	215	198	182	143	131	120
6.0"	22	7-2	8-10	9-0	151	132	117	103	92	81	72	65	58	51	46
	20	8-8	11-1	11-5	195	172	152	136	121	108	97	87	79	71	64
	18	10-6	12-9	13-2	306	274	247	196	176	159	143	130	118	107	98
	16	11-11	14-3	14-9	394	354	319	290	264	241	193	176	160	146	134
6.5"	22	6-8	8-2	8-4	167	146	129	114	101	90	80	71	64	57	51
	20	8-4	10-8	11-0	216	191	169	150	134	120	108	97	87	79	71
	18	0-0	12-3	12-8	339	304	275	218	196	176	159	144	131	119	109
	16	11-5	13-9	14-3	400	393	355	322	293	237	215	195	178	163	149
7.0"	22	6-2	7-7	7-9	183	161	142	126	111	99	88	79	70	63	56
	20	8-0	10-3	10-5	238	210	186	166	148	132	119	107	96	87	78
	18	9-8	11-10	12-3	374	335	268	240	216	194	176	159	145	132	120
	16	11-0	13-3	13-9	400	400	392	355	289	261	237	216	197	180	165
7.5"	22	5-10	7-1	7-3	200	176	155	137	122	108	96	86	77	68	61
	20	7-9	9-11	10-4	260	229	203	181	162	145	130	117	105	95	86
	18	9-3	11-6	11-10	400	329	294	263	236	213	192	174	158	144	131
	16	10-7	12-10	13-3	400	400	400	389	317	286	260	237	216	197	181

- Notes: 1. Load tables are calculated using section properties based on the steel design thickness shown in the Steel Deck Institute (SDI) design manual.
 2. Minimum exterior bearing length required is 1.5 inches. Minimum interior bearing length is 3 inches. If these minimum lengths are not provided, web crippling must be checked.