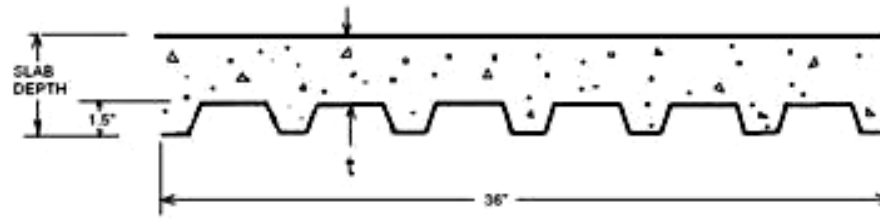


## TYPE 1.5CF COMPOSITE FLOOR DECK



### SECTION PROPERTIES $F_y=40$ KSI

DECK TYPE	DESIGN THICKNESS	WT PSF	$I^x$ IN. <sup>4</sup>	$I^y$ IN. <sup>4</sup>	$S^x$ IN. <sup>3</sup>	$S^y$ IN. <sup>3</sup>
22	.0295 IN.	1.61	.153	.186	.188	.198
20	.0358 IN.	1.95	.199	.226	.233	.242
18	.0474 IN.	2.56	.288	.300	.316	.320
16	.0598 IN.	3.25	.380	.380	.402	.402

### GENERAL INFORMATION

SLAB THICKNESS	3 1/2"	4"	4 1/2"	5"	5 1/4"	5 1/2"	6"
Vol. Conc. Yds/100SF	.78	.93	1.09	1.24	1.32	1.40	1.55
Conc. Wt. PSF (Light Wt.)	26	29	34	38	41	43	48
Recommended W.W.F. 6"x6"	W1.4xW1.4	W1.4xW1.4	W1.4xW1.4	W1.4xW1.4	W1.4xW1.4	W2.1xW2.1	W2.1xW2.1

	SLAB DEPTH	DECK TYPE	ALLOWABLE UNSHORED CLEAR SPAN			SUPERIMPOSED LIVE LOAD, PSF												
						CLEAR SPAN, FT.												
			1 SPAN	2 SPAN	3 SPAN	6-0	6-6	7-0	7-6	8-0	8-6	9-0	9-6	10-0	10-6	11-0	11-6	12-0
LIGHT WEIGHT CONCRETE (110 PCF)	3 1/2" (t=2)	22	5-11	7-10	7-11	245	206	175	150	129	112	98	86	76	67	59	53	47
		20	6-10	9-1	9-3	292	246	209	180	156	136	119	105	93	81	70	61	54
		18	8-4	10-9	11-1	375	316	270	233	202	172	145	123	106	91	80	70	61
		16	9-9	12-0	12-5	*	385	329	278	229	191	161	137	117	101	88	77	68
	4" (t=2 1/2)	22	5-7	7-5	7-6	315	265	225	193	167	145	127	112	99	87	78	69	62
		20	6-6	8-7	8-9	376	317	270	232	201	176	154	136	120	107	96	85	77
		18	7-10	10-2	10-6	*	*	348	300	261	228	201	178	157	136	118	103	91
		16	9-2	11-5	11-9	*	*	*	367	320	280	239	203	174	150	131	114	101
	4 1/2" (t=3)	22	5-4	7-1	7-2	389	327	278	239	207	180	158	139	123	109	97	87	77
		20	6-2	8-2	8-4	*	392	334	288	250	218	192	169	150	134	119	107	96
		18	7-5	9-8	10-1	*	*	*	372	324	284	250	222	198	177	159	143	129
		16	8-8	10-10	11-3	*	*	*	398	349	309	274	245	213	185	162	143	129
	5" (t=3 1/2)	22	5-1	6-10	6-10	x	392	334	287	249	217	190	168	148	132	117	105	94
		20	5-10	7-10	7-11	x	x	x	345	300	262	231	204	181	161	144	130	117
		18	7-1	9-3	9-7	x	x	x	x	390	342	302	268	239	214	192	173	156
		16	8-3	10-5	10-9	x	x	x	x	x	x	373	331	296	266	239	216	195
	5 1/2" (t=4)	22	4-10	6-6	6-7	x	x	391	336	291	254	223	197	174	155	138	124	111
		20	5-7	7-7	7-8	x	x	x	x	352	308	271	240	213	190	170	153	138
		18	6-9	8-11	9-3	x	x	x	x	x	x	355	315	281	252	226	204	185
		16	7-10	10-0	10-4	x	x	x	x	x	x	x	391	349	314	283	256	232
	6" (t=4 1/2)	22	4-8	6-4	6-5	x	x	x	386	335	292	257	227	201	179	160	143	128
		20	5-5	7-3	7-4	x	x	x	x	x	354	312	276	246	219	196	177	159
		18	6-6	8-7	8-11	x	x	x	x	x	x	x	364	324	291	262	236	214
		16	7-7	9-8	10-0	x	x	x	x	x	x	x	x	x	363	327	296	269

x INDICATES LIVE LOADS IN EXCESS OF 400 P.S.F.