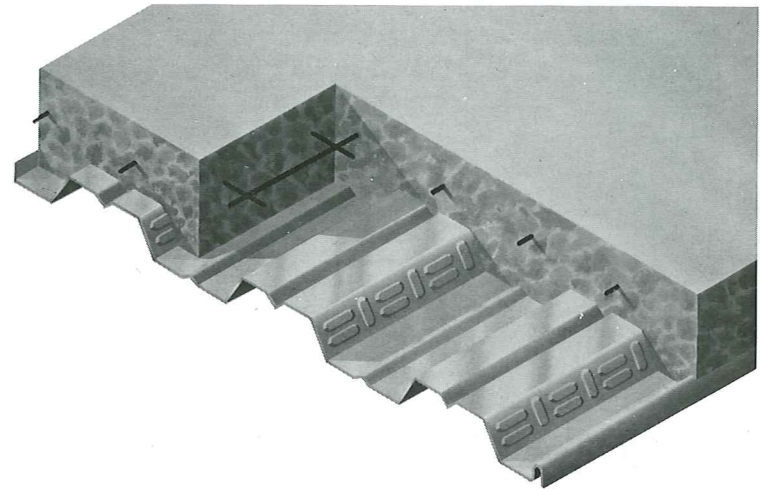


SLAB INFORMATION

Total Slab Depth	Theo. Concrete Volume		Recommended Welded Wire Fabric
	Yds./ 100 Sq. Ft.	Cu. Ft./ Sq. Ft.	
4"	0.94	0.253	6x6-W1.4xW1.4
4 1/2"	1.09	0.294	6x6-W1.4xW1.4
5"	1.24	0.336	6x6-W1.4xW1.4
5 1/4"	1.32	0.357	6x6-W1.4xW1.4
5 1/2"	1.40	0.378	6x6-W2.1xW2.1
6"	1.55	0.419	6x6-W2.1xW2.1
6 1/4"	1.63	0.440	6x6-W2.1xW2.1
6 1/2"	1.71	0.461	6x6-W2.1xW2.1



(N=14) LIGHTWEIGHT CONCRETE (110 PCF)

Total Slab Depth	Deck Type	SDI Max. Unshored Clear Span			Superimposed Live Load, PSF																	
		1 Span	2 Span	3 Span	Clear Span (ft.-in.)																	
					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	12'-6	13'-0			
4"	2VLI22	7'-2	9'-6	9'-8	238	209	186	149	133	120	108	98	90	82	75	69	64	59	55			
	2VLI21	7'-10	10'-2	10'-6	254	223	198	178	142	128	115	105	96	87	80	74	68	63	58			
(t=2")	2VLI20	8'-5	10'-9	11'-1	268	235	209	187	169	135	122	110	101	92	84	78	72	66	61			
	2VLI19	9'-6	11'-11	12'-4	297	260	230	206	185	168	153	141	111	101	93	86	79	73	68			
30 PSF	2VLI18	10'-6	12'-10	13'-3	324	285	253	227	205	187	171	158	146	136	107	99	92	86	80			
	2VLI17	11'-5	13'-8	14'-0	352	308	273	245	221	201	184	169	156	145	135	107	99	92	86			
4 1/2"	2VLI16	12'-1	14'-4	14'-4	377	330	292	261	235	214	195	179	165	153	143	133	118	98	91			
	2VLI22	6'-9	9'-1	9'-3	276	243	195	173	155	139	126	114	104	96	88	81	75	69	64			
(t=2 1/2")	2VLI21	7'-5	9'-9	10'-1	295	259	231	185	165	149	134	122	111	102	93	86	79	73	68			
	2VLI20	8'-0	10'-4	10'-8	312	273	243	217	196	157	141	128	117	107	98	90	84	77	72			
35 PSF	2VLI19	9'-0	11'-5	11'-9	346	302	268	239	215	195	178	142	129	118	108	100	92	85	79			
	2VLI18	10'-0	12'-3	12'-8	376	331	294	264	238	217	199	183	170	136	125	116	107	100	93			
5"	2VLI17	10'-10	13'-1	13'-6	400	358	318	284	256	233	213	196	181	168	134	124	115	107	100			
	2VLI16	11'-5	13'-8	13'-10	400	384	340	303	273	248	227	208	192	178	166	132	123	114	106			
(t=3")	2VLI22	6'-6	8'-8	8'-10	315	277	222	197	176	159	144	130	119	109	100	92	85	79	73			
	2VLI21	7'-1	9'-4	9'-8	337	296	263	211	189	169	153	139	127	116	107	98	91	84	78			
40 PSF	2VLI20	7'-7	9'-11	10'-3	355	312	276	248	199	179	161	146	133	122	112	103	95	88	82			
	2VLI19	8'-7	10'-11	11'-4	394	345	305	272	245	223	178	162	147	135	124	114	105	97	90			
(t=3 1/4")	2VLI18	9'-6	11'-10	12'-2	400	377	335	300	272	247	227	209	168	155	143	132	122	114	106			
	2VLI17	10'-3	12'-7	13'-0	400	400	362	324	292	266	243	223	207	166	153	142	131	122	114			
5 1/4"	2VLI16	10'-11	13'-2	13'-5	400	400	387	346	311	283	258	237	219	203	163	151	140	130	121			
	2VLI22	6'-4	8'-6	8'-8	334	268	236	209	187	168	152	138	126	116	106	98	90	84	78			
(t=3 1/4")	2VLI21	7'-0	9'-2	9'-6	357	314	279	224	200	180	163	148	135	123	113	104	96	89	83			
	2VLI20	7'-6	9'-8	10'-0	377	331	293	263	211	190	171	155	142	130	119	110	101	94	87			
42 PSF	2VLI19	8'-5	10'-9	11'-1	400	366	324	289	260	210	189	172	156	143	131	121	111	103	95			
	2VLI18	9'-3	11'-7	12'-0	400	400	355	319	288	263	241	195	179	164	151	140	130	121	113			
5 1/2"	2VLI17	10'-1	12'-4	12'-9	400	400	384	344	310	282	258	237	219	177	163	151	140	130	121			
	2VLI16	10'-8	12'-11	13'-3	400	400	400	367	330	300	274	252	232	215	173	160	148	138	128			
(t=3 1/2")	2VLI22	6'-3	8'-5	8'-6	353	284	250	222	198	178	161	147	134	122	113	104	96	89	82			
	2VLI21	6'-10	9'-0	9'-4	378	332	268	237	212	190	172	156	142	130	120	110	102	94	87			
44 PSF	2VLI20	7'-4	9'-6	9'-10	399	350	310	250	223	201	181	165	150	137	126	116	107	99	92			
	2VLI19	8'-3	10'-6	10'-11	400	387	342	306	275	222	200	182	165	151	139	128	118	109	101			
(t=4 1/4")	2VLI18	9'-1	11'-4	11'-9	400	400	376	337	305	278	254	206	189	174	160	148	138	128	119			
	2VLI17	9'-10	12'-1	12'-6	400	400	400	363	328	298	273	251	204	187	172	159	148	137	128			
6 1/4"	2VLI16	10'-5	12'-8	13'-1	400	400	400	388	350	317	290	266	246	199	184	170	157	146	136			
	2VLI22	5'-11	7'-10	8'-0	380	331	291	258	231	208	188	171	156	143	131	121	112	103	96			
(t=4 1/4")	2VLI21	6'-5	8'-7	8'-10	400	355	312	276	247	222	200	182	166	152	140	129	119	110	102			
	2VLI20	6'-11	9'-1	9'-4	400	400	329	292	260	234	211	192	175	160	147	135	125	115	107			
51 PSF	2VLI19	7'-10	10'-0	10'-4	400	400	398	356	288	259	233	212	193	176	162	149	137	127	118			
	2VLI18	8'-7	10'-10	11'-2	400	400	400	392	355	323	264	240	220	202	187	173	160	149	139			
51 PSF	2VLI17	9'-3	11'-6	11'-11	400	400	400	400	381	347	317	259	237	218	201	186	172	160	149			
	2VLI16	9'-10	12'-1	12'-6	400	400	400	400	400	369	337	310	253	232	214	198	183	170	158			

- NOTES:
1. Minimum exterior bearing length required is 2.0 inches. Minimum interior bearing length required is 4.0 inches. If these minimum lengths are not provided, web crippling must be checked.
 2. Always contact Vulcraft when using loads in excess of 200 psf. Such loads often result from concentrated, dynamic, or long term load cases for which reductions due to bond breakage, concrete creep, etc. should be evaluated.
 3. All fire rated assemblies are subject to an upper live load limit of 250 psf.
 4. Inquire about material availability of 17, 19 & 21 gage.