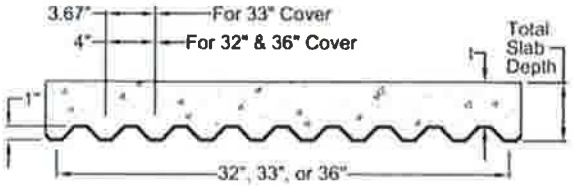
1.0 C, CSV CONFORM



NON-COMPOSITE

MAXIMUM CONSTRUCTION CLEAR SPANS (S.D.I. CRITERIA)

Total Slab Depth	DECK	WEIGHT PSF	NW CONCRETE N=9 145 PCF 1 SPAN	2 SPAN	3 SPAN	WEIGHT PSF	LW CONCRETE N=14 110 PCF 1 SPAN	2 SPAN	3 SPAN
2.5 (t=1.50)	1.0C26	25	3- 8	4- 10	4- 10	19	3- 11	5- 1	5- 1
	1.0C24	25	4- 11	6- 5	6- 6	19	5- 3	6- 10	6- 11
	1.0C22	25	6- 0	7- 10	7- 10	20	6- 5	8- 0	8- 3
	1.0C20	26	6- 8	8- 3	8- 3	20	7- 3	8- 11	9- 0
3 (t=2.00)	1.0C26	31	3- 6	4- 7	4- 7	24	3- 9	4- 10	4- 11
	1.0C24	31	4- 7	6- 1	6- 1	24	4- 11	6- 6	6- 7
	1.0C22	31	5- 7	7- 3	7- 3	24	6- 1	7- 11	7- 11
	1.0C20	32	6- 3	7- 8	7- 8	25	6- 10	8- 5	8- 5
3.5 (t=2.50)	1.0C26	37	3- 4	4- 4	4- 5	28	3- 7	4- 8	4- 9
	1.0C24	37	4- 4	5- 9	5- 10	29	4- 9	6- 2	6- 3
	1.0C22	37	5- 3	6- 10	6- 10	29	5- 9	7- 6	7- 6
	1.0C20	38	5- 11	7- 3	7- 3	29	6- 5	7- 11	7- 11
4 (t=3.00)	1.0C26	43	3- 2	4- 2	4- 3	33	3- 5	4- 6	4- 7
	1.0C24	43	4- 2	5- 6	5- 7	33	4- 6	5- 11	6- 0
	1.0C22	43	5- 0	6- 6	6- 6	33	5- 6	7- 1	7- 1
	1.0C20	44	5- 7	6- 11	6- 11	34	6- 1	7- 7	7- 7
4.5 (t=3.50)	1.0C26	49	3- 1	4- 1	4- 1	37	3- 4	4- 4	4- 5
	1.0C24	49	4- 0	5- 4	5- 4	38	4- 4	5- 9	5- 10
	1.0C22	50	4- 9	6- 3	6- 3	38	5- 3	6- 10	6- 10
	1.0C20	50	5- 4	6- 8	6- 8	38	5- 10	7- 3	7- 3
5 (t=4.00)	1.0C26	55	2- 11	3- 11	4- 0	42	3- 2	4- 3	4- 3
	1.0C24	55	3- 10	5- 1	5- 2	42	4- 2	5- 7	5- 7
	1.0C22	56	4- 7	6- 0	6- 0	43	5- 0	6- 7	6- 7
	1.0C20	56	5- 2	6- 5	6- 5	43	5- 8	7- 0	7- 0
5.5 (t=4.50)	1.0C26	61	2- 10	3- 10	3- 10	47	3- 1	4- 1	4- 2
	1.0C24	61	3- 8	4- 11	5- 0	47	4- 0	5- 5	5- 5
	1.0C22	62	4- 5	5- 10	5- 10	47	4- 10	6- 4	6- 4
	1.0C20	62	5- 0	6- 2	6- 2	47	5- 5	6- 9	6- 9

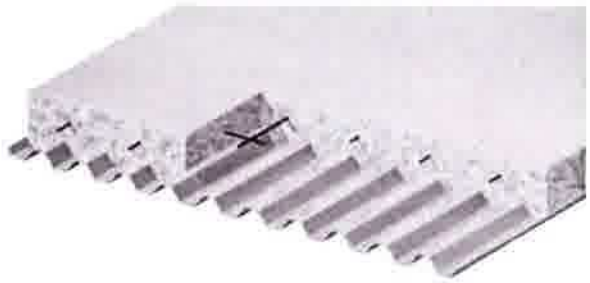
REINFORCED CONCRETE SLAB ALLOWABLE LOADS

Slab Depth	REINFORCEMENT W.W.F.	As	Superimposed Uniform Load (psf) -- 3 Span Condition Clear Span (ft.-in.) 3- 0	3- 3	3- 6	3- 9	4- 0	4- 6	5- 0	5- 6	6- 0	6- 6	7- 0
2.5 (t=1.50)	6X6-W1.4XW1.4	0.028*	95	81	70								
	6X6-W2.1XW2.1	0.042	140	119	103								
	6X6-W2.9XW2.9	0.058	189	161	139								
3 (t=2.00)	6X6-W1.4XW1.4	0.028*	128	109	94	82	72	57					
	6X6-W2.1XW2.1	0.042	190	161	139	121	107	84					
	6X6-W2.9XW2.9	0.058	257	219	189	165	145	114					
3.5 (t=2.50)	6X6-W2.1XW2.1	0.042*	239	204	176	153	134	106	86	71			
	6X6-W2.9XW2.9	0.058	326	277	239	208	183	145	117	97			
	4X4-W2.9XW2.9	0.087	400	400	350	305	268	212	172	142			
4 (t=3.00)	6X6-W2.1XW2.1	0.042*	288	246	212	185	162	128	**153**	**126**	**106**	**91**	
	6X6-W2.9XW2.9	0.058*	394	336	289	252	222	175	**205**	**169**	**142**	**121**	
	4X4-W2.9XW2.9	0.087	400	400	400	371	326	257	**298**	**247**	**207**	**177**	
4.5 (t=3.50)	6X6-W2.1XW2.1	0.042*	338	288	248	216	190	150	**180**	**148**	**125**	**106**	
	6X6-W2.9XW2.9	0.058*	400	394	340	296	260	205	**241**	**199**	**168**	**143**	
	4X4-W2.9XW2.9	0.087	400	400	400	400	383	303	**354**	**292**	**246**	**209**	
5 (t=4.00)	6X6-W2.9XW2.9	0.058*	400	400	390	339	298	236	**278**	**230**	**193**		
	4X4-W2.9XW2.9	0.087	400	400	400	400	400	348	**400**	**338**	**284**		
	4X4-W4.0XW4.0	0.120	400	400	400	400	400	400	**400**	**400**	**378**		
5.5 (t=4.50)	6X6-W2.9XW2.9	0.058*	400	400	400	383	337	266	**315**	**260**	**219**		
	4X4-W2.9XW2.9	0.087	400	400	400	400	400	394	**400**	**384**	**322**		
	4X4-W4.0XW4.0	0.120	400	400	400	400	400	400	**400**	**400**	**400**		

NOTES:
1. * As does not meet A.C.I. criterion for temperature and shrinkage.
2. Recommended conform types are based upon S.D.I. criteria and normal weight concrete.
3. Superimposed loads are based upon three span conditions and A.C.I. moment coefficients.
4. Load values for single span and double spans are to be reduced.
5. Vulcraft's painted or galvanized form deck can be considered as permanent support in most building applications. See page 23. If uncoated form deck is used, deduct the weight of the slab from the allowable superimposed uniform loads.
6. Superimposed load values shown in bold type require that mesh be draped. See page 23.

SLAB INFORMATION

Total Slab Depth, in.	Theo. Concrete Volume		Recommended Welded Wire Fabric
	Yd^3 / 100 ft^2	ft^3 / ft^2	
2 1/2	0.62	0.167	6x6 - W1.4xW1.4
3	0.77	0.208	6x6 - W1.4xW1.4
3 1/2	0.93	0.250	6x6 - W1.4xW1.4
3 3/4	1.00	0.271	6x6 - W1.4xW1.4
4	1.08	0.292	6x6 - W2.1xW2.1
4 1/2	1.23	0.333	6x6 - W2.1xW2.1
4 3/4	1.31	0.354	6x6 - W2.1xW2.1
5	1.39	0.375	6x6 - W2.1xW2.1



SECTION PROPERTIES

Deck Type	Design Thickness in.	Deck Weight psf	Section Properties				V_a lbs/ft	F_y ksi
			I_p in^4/ft	I_n in^4/ft	S_p in^3/ft	S_n in^3/ft		
1.0C26	0.0179	0.96	0.040	0.042	0.067	0.071	2216	60
1.0C24	0.0239	1.28	0.057	0.059	0.098	0.103	3867	60
1.0C22	0.0295	1.57	0.073	0.073	0.130	0.134	4803	60
1.0C20	0.0358	1.91	0.088	0.088	0.167	0.165	5744	60

ALLOWABLE UNIFORM LOAD (PSF)

TYPE NO.	NO. OF SPANS	DESIGN CRITERIA	CLEAR SPAN (ft-in)												
			3- 0	3- 3	3- 6	3- 9	4- 0	4- 6	5- 0	5- 6	6- 0	6- 6	7- 0	7- 6	8- 0
1.0C26	1	Fb = 36,000	178	152	131	114	100	79	64	53	45	38	33	29	25
		Defl. = l/240	97	77	61	50	41	29	21	16	12	10	8	6	5
		Defl. = l/180	130	102	82	66	55	38	28	21	16	13	10	8	7
	2	Fb = 36,000	187	159	138	120	106	84	68	56	47	40	35	30	27
		Defl. = l/240	240	189	151	123	101	71	52	39	30	24	19	15	13
		Defl. = l/180	320	252	202	164	135	95	69	52	40	31	25	20	17
	3	Fb = 36,000	232	198	171	149	132	104	84	70	59	50	43	38	33
		Defl. = l/240	188	148	118	96	79	56	41	30	23	18	15	12	10
		Defl. = l/180	250	197	158	128	106	74	54	41	31	25	20	16	13
1.0C24	1	Fb = 36,000	261	222	192	167	147	116	94	78	65	56	48	42	37
		Defl. = l/240	139	109	87	71	58	41	30	22	17	14	11	9	7
		Defl. = l/180	185	145	116	95	78	55	40	30	23	18	15	12	10
	2	Fb = 36,000	272	232	200	174	153	121	98	81	68	58	50	44	39
		Defl. = l/240	340	267	214	174	143	101	73	55	42	33	27	22	18
		Defl. = l/180	453	356	285	232	191	134	98	73	57	45	36	29	24
	3	Fb = 36,000	338	289	249	218	191	151	123	102	85	73	63	55	48
		Defl. = l/240	266	209	167	136	112	79	57	43	33	26	21	17	14
		Defl. = l/180	354	279	223	181	149	105	77	58	44	35	28	23	19
1.0C22	1	Fb = 36,000	346	295	254	221	195	154	125	103	86	74	64	55	49
		Defl. = l/240	178	140	112	91	75	53	38	29	22	17	14	11	9
		Defl. = l/180	237	186	149	121	100	70	51	38	30	23	19	15	12
	2	Fb = 36,000	353	301	260	227	200	158	128	106	89	76	65	57	50
		Defl. = l/240	427	336	269	219	180	127	92	69	53	42	34	27	23
		Defl. = l/180	570	448	359	292	240	169	123	92	71	56	45	36	30
	3	Fb = 36,000	440	375	324	283	249	197	160	132	111	95	82	71	63
		Defl. = l/240	334	263	211	171	141	99	72	54	42	33	26	21	18
		Defl. = l/180	446	351	281	228	188	132	96	72	56	44	35	29	24
1.0C20	1	Fb = 36,000	444	379	327	284	250	198	160	132	111	95	82	71	63
		Defl. = l/240	214	168	135	110	90	63	46	35	27	21	17	14	11
		Defl. = l/180	285	224	180	146	120	85	62	46	36	28	22	18	15
	2	Fb = 36,000	435	371	320	279	246	194	158	130	109	93	81	70	62
		Defl. = l/240	515	405	324	264	217	153	111	84	64	51	41	33	27
		Defl. = l/180	687	540	433	352	290	204	148	111	86	68	54	44	36
	3	Fb = 36,000	541	462	399	348	306	242	197	163	137	117	101	88	77
		Defl. = l/240	403	317	254	206	170	119	87	65	50	40	32	26	21
		Defl. = l/180	538	423	339	275	227	159	116	87	67	53	42	34	28