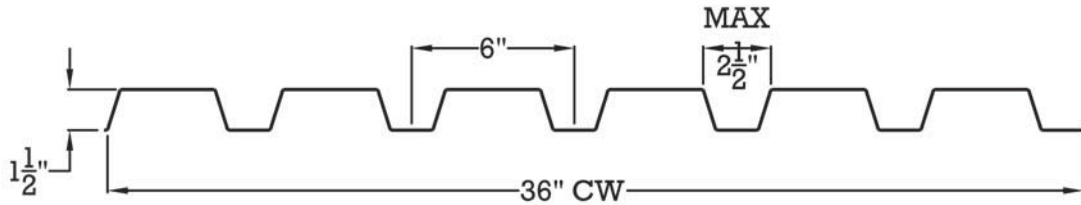


TYPE "EF" EXTRA DUTY FORM DECK TYPE "EVF" EXTRA DUTY SLOT VENTED FORM DECK



SECTION PROPERTIES FY=80 KSI

DECK TYPE	DESIGN THICKNESS	WT PSF	FINISH	I ^P IN. ⁴	I ^N IN. ⁴	S ^P IN. ³	S ^N IN. ³
24	.0239 IN.	1.32	GALV.	.111	.141	.135	.148
22	.0295 IN.	1.61	GALV.	.146	.183	.184	.195
20	.0358 IN.	1.95	GALV.	.185	.228	.230	.240
18	.0474 IN.	2.56	GALV.	.224	.240	.299	.245

DECK-SPAN	DECK TYPE	DESIGN THICKNESS		DECK SUPPORT SPACING (FT.-IN.)									POUNDS PER SQUARE	
				FOOT									8-0"	8-6"
				4-0"	4-6"	5-0"	5-6"	6-0"	6-6"	7-0"	7-6"	8-0"	8-6"	9-0"
SIMPLE	24	STRESS	36000	179	141	115	95	80	68	58	51	45	40	35
		DEFLECTION	L/240	121	88	67	53	43	36	31	27	24	22	20
		DEFLECTION	L/180	158	114	86	67	54	45	38	33	29	25	23
	22	STRESS	36000	242	191	155	128	108	92	79	69	61	54	48
		DEFLECTION	L/240	157	113	85	66	53	44	37	32	28	25	23
		DEFLECTION	L/180	206	147	110	85	68	56	47	40	34	30	27
	20	STRESS	36000	321	254	206	170	143	122	105	91	80	71	63
		DEFLECTION	L/240	200	143	107	83	66	54	45	39	34	30	27
		DEFLECTION	L/180	263	188	140	107	85	69	57	48	42	36	32
	18	STRESS	36000	597	472	382	316	265	226	195	170	149	132	118
		DEFLECTION	L/240	246	173	126	95	73	57	46	37	31	26	22
		DEFLECTION	L/180	328	231	168	126	97	77	61	50	41	34	29

DOUBLE	24	STRESS	36000	196	155	125	104	87	74	64	56	49	43	39
		DEFLECTION	L/240	196	155	118	91	72	59	49	42	36	32	28
		DEFLECTION	L/180	196	155	125	104	87	74	62	53	45	39	35
	22	STRESS	36000	258	204	165	137	115	98	84	73	65	57	51
		DEFLECTION	L/240	258	204	152	117	92	75	62	52	45	39	34
		DEFLECTION	L/180	258	204	165	137	115	96	79	66	56	49	43
	20	STRESS	36000	331	262	212	175	147	126	108	94	83	73	65
		DEFLECTION	L/240	331	262	194	148	116	94	77	65	55	47	42
		DEFLECTION	L/180	331	262	212	175	147	122	99	83	70	60	52
	18	STRESS	36000	597	472	382	316	265	226	195	170	149	132	118
		DEFLECTION	L/240	594	417	304	228	176	138	111	90	74	62	52
		DEFLECTION	L/180	597	472	382	305	235	184	148	120	99	83	70

TRIPLE	24	STRESS	36000	245	194	157	130	109	93	80	70	61	54	48
		DEFLECTION	L/240	221	158	118	91	72	59	49	42	36	32	28
		DEFLECTION	L/180	245	194	155	118	93	75	62	53	45	39	35
	22	STRESS	36000	323	255	206	171	143	122	105	92	81	71	64
		DEFLECTION	L/240	288	205	152	117	92	75	62	52	45	39	34
		DEFLECTION	L/180	323	255	200	152	120	96	79	66	56	49	43
	20	STRESS	36000	414	327	265	219	184	157	135	118	104	92	82
		DEFLECTION	L/240	369	262	194	148	116	94	77	65	55	47	42
		DEFLECTION	L/180	414	327	255	194	152	122	99	83	70	60	52
	18	STRESS	36000	747	590	478	395	332	283	244	212	187	165	147
		DEFLECTION	L/240	465	326	238	179	138	108	87	70	58	48	41
		DEFLECTION	L/180	620	435	317	238	184	144	116	94	77	65	54

LOAD TABLES AND SECTION PROPERTIES WERE GENERATED BY THE SDI.
Standard Cover Width is 36".

TYPE "EF" EXTRA FORM DECK

SLAB INFORMATION

Total Slab Depth, inches	W.W.F	Mp	Mn	Theo. Concrete Volume	
				yd ³ /100ft ²	ft ³ /ft ²
3.5	6x6- W2.9 x W2.9	5.79	7.19	0.774	0.209
4	6x6- W2.9 x W2.9	7.35	8.75	0.929	0.251
4.5	6x6- W2.9 x W2.9	8.92	10.32	1.08	0.292
5	6x6- W4.0 x W4.0	14.3	15.90	1.24	0.334
5.5	6x6- W4.0 x W4.0	16.5	18.06	1.39	0.376
6	6x6- W4.0 x W4.0	18.6	20.22	1.55	0.417
6.5	6x6- W4.0 x W4.0	20.8	22.38	1.70	0.459

MAXIMUM CONSTRUCTION CLEAR SPANS

Total Slab Depth	Deck	Weight PSF	NW Concrete N=9 145 PCF			Weight PSF	LW Concrete N=14 110 PCF		
			1 Span	2 Span	3 Span		1 Span	2 Span	3 Span
3.5 (t=2.00)	24	31.6	5-5	7-3	7-4	24.3	6-3	7-11	8-0
	22	31.9	6-8	8-11	9-0	24.6	7-5	9-9	9-10
	20	32.3	7-11	10-3	9-9	24.9	8-0	11-2	10-8
	18	32.9	8-7	10-2	10-6	25.6	9-3	11-0	11-5
4 (t=2.50)	24	37.7	5-1	6-10	6-10	28.9	5-11	7-6	7-7
	22	38.0	6-3	8-4	8-6	29.2	7-0	9-2	9-3
	20	38.3	7-5	9-8	9-3	29.6	7-7	10-7	10-1
	18	39.0	8-1	9-7	9-11	30.2	8-9	10-6	10-10
4.5 (t=3.00)	24	43.7	4-10	6-6	6-7	33.4	5-8	7-2	7-3
	22	44.0	5-11	7-11	8-0	33.7	6-8	8-9	8-9
	20	44.3	7-0	9-3	8-10	34.1	7-3	10-1	9-8
	18	44.9	7-8	9-1	9-5	34.7	8-3	10-0	10-4
5 (t=3.50)	24	49.8	4-8	6-3	6-4	38.1	5-5	6-10	6-11
	22	50.0	5-7	7-7	7-8	38.4	6-5	8-4	8-4
	20	50.4	6-8	8-9	8-5	38.7	6-11	9-8	9-3
	18	51.0	7-3	8-8	9-0	39.3	7-11	9-7	9-11
5.5 (t=4.00)	24	55.8	4-5	6-0	6-1	42.7	5-3	6-7	6-8
	22	56.1	5-4	7-3	7-4	43.0	6-2	8-0	7-11
	20	56.5	6-4	8-5	8-1	43.3	6-8	9-4	8-11
	18	57.1	6-11	8-4	8-7	43.9	7-7	9-2	9-6
6 (t=4.50)	24	61.8	4-3	5-9	5-10	47.2	5-0	6-5	6-6
	22	62.1	5-2	7-0	7-1	47.5	5-11	7-8	7-7
	20	62.4	6-1	8-1	7-10	47.8	6-5	9-0	8-7
	18	63.0	6-8	7-11	8-3	48.4	7-3	8-10	9-2
6.5 (t=5.00)	24	67.9	4-2	5-7	5-8	51.8	4-9	6-2	6-1
	22	68.2	5-0	6-9	6-10	52.1	5-9	7-5	7-3
	20	68.5	5-11	7-10	7-7	52.4	6-3	8-7	8-4
	18	69.1	6-5	7-7	7-11	53.1	7-0	8-7	8-10

REINFORCED CONCRETE SLAB ALLOWABLE LOADS

Slab Depth	Reinforcement		Superimposed Uniform Load (psf) – 3 Span Condition												
			Clear Span (ft-in.)												
	W.W.F	As	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
3.5 (t=2.50)	6x6- W2.9 x W2.9	0.058	264	209	169	140	117	100	86	75	66	58	52	47	42
	6x6- W4.0 x W4.0	0.080	346	274	222	183	154	131	113	99	87	77	68	61	55
4 (t=3.00)	6x6- W2.9 x W2.9	0.058	322	254	206	170	143	122	105	92	80	71	64	57	51
	6x6- W4.0 x W4.0	0.080	400	336	273	225	189	161	139	121	106	94	84	75	68
	4x4- W2.9 x W2.9	0.087	400	370	300	248	208	177	153	133	117	104	92	83	75
4.5 (t=3.50)	6x6- W2.9 x W2.9	0.058	379	300	243	201	169	144	124	108	95	84	75	67	61
	6x6- W4.0 x W4.0	0.080	400	399	323	267	225	191	165	144	126	112	100	90	81
	4x4- W2.9 x W2.9	0.087	400	400	355	293	246	210	181	158	139	123	110	98	89
5 (t=4.00)	6x6- W4.0 x W4.0	0.080	400	400	374	309	260	221	191	166	146	129	115	104	94
	4x4- W2.9 x W2.9	0.087	400	400	400	339	285	243	209	182	160	142	127	114	103
	4x4- W4.0 x W4.0	0.120	400	400	400	400	377	322	277	242	212	188	168	151	136
5.5 (t=4.50)	6x6- W4.0 x W4.0	0.080	400	400	400	351	295	251	217	189	166	147	131	118	106
	4x4- W2.9 x W2.9	0.087	400	400	400	385	323	275	237	207	182	161	144	129	116
	4x4- W4.0 x W4.0	0.120	400	400	400	400	400	367	316	275	242	214	191	172	155
6 (t=5.00)	6x6- W4.0 x W4.0	0.080	400	400	400	393	330	282	243	211	186	165	147	132	119
	4x4- W2.9 x W2.9	0.087	400	400	400	400	362	308	266	231	203	180	161	144	130
	4x4- W4.0 x W4.0	0.120	400	400	400	400	400	355	309	272	241	215	193	174	
6.5 (t=5.50)	6x6- W4.0 x W4.0	0.080	400	400	400	400	366	312	269	234	206	182	163	146	132
	4x4- W2.9 x W2.9	0.087	400	400	400	400	400	341	294	256	225	199	178	160	144
	4x4- W4.0 x W4.0	0.120	400	400	400	400	400	394	343	302	267	238	214	193	