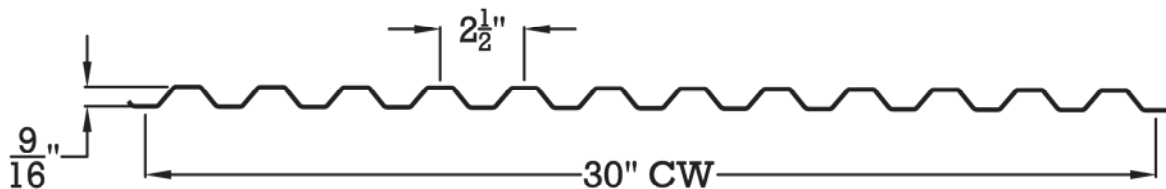


**TYPE "SF" STANDARD FORM DECK
TYPE "SVF" STANDARD SLOT VENTED FORM DECK**



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
28	.0149 IN.	.82	GALV.	.012	.012	.037	.038
26	.0179 IN.	.97	GALV.	.014	.014	.046	.046
24	.0239 IN.	1.17	GALV.	.018	.018	.061	.061
22	.0295 IN.	1.44	GALV.	.023	.023	.074	.074

DECK-SPAN	DECK TYPE	DESIGN THICKNESS		DECK SUPPORT SPACING (FT.-IN.)				POUNDS PER SQUARE FOOT		
				2-0	2-6	3-0	3-6	4-0	4-6	5-0
SIMPLE	28	STRESS	36000	206	132	92	67	52	41	33
		DEFLECTION	L/240	103	57	37	27	22	18	16
		DEFLECTION	L/180	134	73	47	33	25	21	18
	26	STRESS	36000	262	168	116	86	65	52	42
		DEFLECTION	L/240	124	68	44	31	24	20	17
		DEFLECTION	L/180	161	88	55	38	29	23	20
	24	STRESS	36000	367	235	163	120	92	72	59
		DEFLECTION	L/240	162	88	55	38	29	23	20
		DEFLECTION	L/180	212	114	70	48	35	28	23
	22	STRESS	36000	450	288	200	147	113	89	72
		DEFLECTION	L/240	198	106	66	45	33	26	22
		DEFLECTION	L/180	260	138	84	57	41	32	26

DOUBLE	28	STRESS	36000	212	135	94	69	53	42	34
		DEFLECTION	L/240	186	100	62	43	32	25	21
		DEFLECTION	L/180	212	130	79	54	39	31	25
	26	STRESS	36000	269	172	120	88	67	53	43
		DEFLECTION	L/240	126	74	50	37	29	24	24
		DEFLECTION	L/180	298	157	95	64	46	35	28
	24	STRESS	36000	367	235	163	120	92	72	59
		DEFLECTION	L/240	297	157	95	64	46	35	28
		DEFLECTION	L/180	367	206	123	81	58	44	35
	22	STRESS	36000	450	288	200	147	113	89	72
		DEFLECTION	L/240	365	191	115	76	54	41	33
		DEFLECTION	L/180	484	252	150	98	69	52	40

TRIPLE	28	STRESS	36000	265	169	118	86	66	52	42
		DEFLECTION	L/240	186	100	62	43	32	25	21
		DEFLECTION	L/180	244	130	79	54	39	31	25
	26	STRESS	36000	336	215	150	110	84	66	54
		DEFLECTION	L/240	226	120	74	50	37	29	24
		DEFLECTION	L/180	298	157	95	64	46	35	28
	24	STRESS	36000	458	293	204	150	115	91	73
		DEFLECTION	L/240	297	157	95	64	46	35	28
		DEFLECTION	L/180	367	206	123	81	58	44	35
	22	STRESS	36000	563	360	250	184	141	111	90
		DEFLECTION	L/240	365	191	115	76	54	41	33
		DEFLECTION	L/180	484	252	150	98	69	52	40

LOAD TABLES AND SECTION PROPERTIES WERE GENERATED BY THE SDI.

* Type "SVF" shall be vented in lower flutes with a .5% open area. .75% and 1.5% open areas available upon request.

TYPE "SF" STANDARD FORM DECK

SLAB INFORMATION

Total Slab Depth, in	W.W.F	Mp	Mn	Theo. Concrete Volume	
				yd ³ /100ft ²	ft ³ /ft ²
2	6x6- W1.4 x W1.4	1.05	1.47	0.529	0.143
2.5	6x6- W1.4 x W1.4	1.42	1.85	0.689	0.186
3	6x6- W1.4 x W1.4	1.80	2.23	0.843	0.228
3.5	6x6- W2.0 x W2.0	6.09	4.72	0.997	0.269
4	6x6- W2.9 x W2.9	10.3	8.22	1.15	0.311
4.5	6x6- W4.0 x W4.0	16.2	13.2	1.23	0.332
5	6x6- W4.0 x W4.0	18.4	15.4	1.46	0.393

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
2 (t=1.50)	28	21.5	2-4	3-0	3-1	16.5	2-7	3-2	3-3
	26	21.7	2-11	3-9	3-10	16.7	3-2	4-0	4-0
	24	21.9	3-9	4-10	4-11	16.9	4-2	5-2	5-3
	22	22.1	4-4	5-9	5-6	17.1	4-7	6-1	6-1
2.5 (t=2.00)	28	27.8	2-3	2-11	2-11	21.3	2-6	3-1	3-1
	26	27.9	2-9	3-7	3-7	21.4	3-1	3-10	3-10
	24	28.1	3-6	4-7	4-8	21.6	3-11	4-11	5-0
	22	28.4	4-1	5-4	5-1	21.9	4-2	5-9	5-7
3 (t=2.50)	28	33.8	2-2	2-9	2-10	25.9	2-5	3-0	3-0
	26	34.0	2-7	3-5	3-6	26.0	2-11	3-8	3-9
	24	34.2	3-4	4-5	4-5	26.2	3-8	4-9	4-9
	22	34.4	3-10	5-1	4-9	26.5	3-11	5-6	5-3
3.5 (t=3.00)	28	39.9	2-1	2-8	2-9	30.4	2-4	2-11	2-11
	26	40.0	2-6	3-4	3-4	30.6	2-10	3-6	3-7
	24	40.2	3-2	4-2	4-3	30.8	3-6	4-6	4-7
	22	40.5	3-8	4-10	4-6	31.1	3-9	5-3	5-0
4 (t=3.50)	28	45.9	2-0	2-7	2-8	35.0	2-3	2-10	2-10
	26	46.1	2-5	3-2	3-3	35.2	2-9	3-5	3-6
	24	46.3	3-0	4-0	4-1	35.4	3-4	4-5	4-5
	22	46.5	3-6	4-8	4-4	35.6	3-7	5-1	4-9
4.5 (t=4.00)	28	51.9	1-11	2-6	2-7	39.6	2-2	2-9	2-9
	26	52.1	2-4	3-1	3-1	39.8	2-8	3-4	3-5
	24	52.3	2-11	3-11	3-11	40.0	3-3	4-3	4-3
	22	52.6	3-4	4-6	4-2	40.2	3-5	4-11	4-7
5 (t=4.50)	28	57.8	1-10	2-6	2-6	41.5	2-2	2-8	2-8
	26	57.9	2-3	3-0	3-0	41.6	2-7	3-3	3-3
	24	58.1	2-10	3-9	3-9	41.8	3-3	4-3	4-3
	22	58.4	3-3	4-4	4-0	42.1	3-4	4-9	4-5

REINFORCED CONCRETE SLAB ALLOWABLE LOADS

Slab Depth	Reinforcement		Superimposed Uniform Load (psf) – 3 Span Condition												
			Clear Span (ft-in.)												
	W.W.F	As	2-0	2-6	3-0	3-6	4-0	4-6	5-0	5-6	6-0	6-6	7-0	7-6	8-0
2 (t=1.50)	6x6- W1.4 x W1.4	0.028	205	131	91	67	51	40	33	27	23	19	17	15	13
	6x6- W2.0 x W2.0	0.040	288	184	128	94	72	57	46	38	32	27	23	20	18
	6x6- W2.9 x W2.9	0.058	400	260	181	133	102	80	65	54	45	38	33	29	25
2.5 (t=2.00)	6x6- W1.4 x W1.4	0.028	272	174	121	89	68	54	43	36	30	26	22	19	17
	6x6- W2.0 x W2.0	0.040	385	246	171	126	96	76	62	51	43	36	31	27	24
	6x6- W2.9 x W2.9	0.058	400	352	244	179	137	109	88	73	61	52	45	39	34
3 (t=2.50)	6x6- W1.4 x W1.4	0.028	327	210	146	107	82	65	52	43	36	31	27	23	20
	6x6- W2.0 x W2.0	0.040	400	297	206	152	116	92	74	61	52	44	38	33	29
	6x6- W2.9 x W2.9	0.058	400	400	295	217	166	131	106	88	74	63	54	47	42
3.5 (t=3.00)	6x6- W2.0 x W2.0	0.040	400	400	309	227	174	137	111	92	77	66	57	49	43
	6x6- W2.9 x W2.9	0.058	400	400	400	319	245	193	157	129	109	93	80	70	61
	6x6- W4.0 x W4.0	0.080	400	400	400	400	326	258	209	172	145	123	106	93	82
4 (t=3.50)	6x6- W2.9 x W2.9	0.058	400	400	400	395	302	239	193	160	134	114	99	86	76
	6x6- W4.0 x W4.0	0.080	400	400	400	400	400	320	259	214	180	154	132	115	101
	4x4- W2.9 x W2.9	0.087	400	400	400	400	400	354	287	237	199	170	146	128	112
4.5 (t=4.00)	6x6- W4.0 x W4.0	0.080	400	400	400	400	400	383	310	256	215	184	158	138	121
	4x4- W2.9 x W2.9	0.087	400	400	400	400	400	400	342	283	238	202	175	152	134
	4x4- W4.0 x W4.0	0.120	400	400	400	400	400	400	400	380	319	272	234	204	179
5 (t=4.50)	6x6- W4.0 x W4.0	0.080	400	400	400	400	400	400	361	298	251	214	184	161	141
	4x4- W2.9 x W2.9	0.087	400	400	400	400	400	400	397	328	276	235	203	177	155
	4x4- W4.0 x W4.0	0.120	400	400	400	400	400	400	400	400	372	317	273	238	209