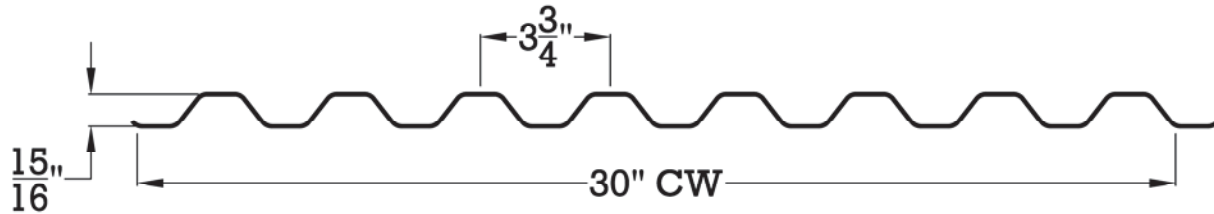


**TYPE "HF" HEAVY DUTY FORM DECK
TYPE "HVF" HEAVY DUTY SLOT VENTED FORM DECK**



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
26	.0179 IN.	1.00	GALV.	.036	.036	.070	.073
24	.0239 IN.	1.21	GALV.	.050	.050	.098	.098
22	.0295 IN.	1.48	GALV.	.062	.062	.124	.124
20	.0358 IN.	1.80	GALV.	.077	.077	.161	.161

DECK-SPAN	DECK TYPE	DESIGN THICKNESS	DECK SUPPORT SPACING (FT.-IN.)					POUNDS PER SQUARE FOOT				
			3-0	3-6	4-0	4-6	5-0	5-6	6-0	6-6	7-0	
SIMPLE	26	STRESS 36000	172	126	97	76	62	51	43	37	32	
		DEFLECTION L/240	100	67	48	37	29	25	21	19	17	
		DEFLECTION L/180	130	86	61	46	36	29	25	22	19	
	24	STRESS 36000	252	185	142	112	91	75	63	54	46	
		DEFLECTION L/240	138	90	64	48	38	31	26	23	20	
		DEFLECTION L/180	180	117	82	60	47	38	31	27	23	
	22	STRESS 36000	332	244	187	148	120	99	83	71	61	
		DEFLECTION L/240	171	111	78	58	45	36	30	26	23	
		DEFLECTION L/180	224	146	100	73	56	45	37	31	27	
	20	STRESS 36000	421	310	237	187	152	125	105	90	77	
		DEFLECTION L/240	205	133	92	68	52	42	34	29	25	
		DEFLECTION L/180	270	175	120	87	66	52	42	36	30	

DOUBLE	26	STRESS 36000	183	134	103	81	66	54	46	39	34
		DEFLECTION L/240	180	117	82	60	47	38	31	27	23
		DEFLECTION L/180	183	134	103	77	59	47	38	32	28
	24	STRESS 36000	269	198	152	120	97	80	67	57	49
		DEFLECTION L/240	252	162	112	82	62	49	40	34	29
		DEFLECTION L/180	269	198	146	106	80	62	50	42	35
	22	STRESS 36000	345	254	194	153	124	103	86	74	63
		DEFLECTION L/240	314	202	138	100	76	59	48	40	34
		DEFLECTION L/180	345	254	181	130	98	76	61	50	42
	20	STRESS 36000	421	310	237	187	152	125	105	90	77
		DEFLECTION L/240	379	242	166	119	90	70	56	46	39
		DEFLECTION L/180	421	310	217	156	116	90	71	58	49

TRIPLE	26	STRESS 36000	228	168	128	101	82	68	57	49	42
		DEFLECTION L/240	180	117	82	60	47	38	31	27	23
		DEFLECTION L/180	228	153	106	77	59	47	38	32	28
	24	STRESS 36000	337	247	189	150	121	100	84	72	62
		DEFLECTION L/240	252	162	112	82	62	49	40	34	29
		DEFLECTION L/180	333	213	146	106	80	62	51	42	35
	22	STRESS 36000	432	317	243	192	155	128	108	92	79
		DEFLECTION L/240	314	202	138	100	76	59	48	40	34
		DEFLECTION L/180	432	265	181	130	98	76	61	50	42
	20	STRESS 36000	527	387	296	234	190	157	132	112	97
		DEFLECTION L/240	379	242	166	119	90	70	56	46	39
		DEFLECTION L/180	502	320	217	156	116	90	71	58	49

LOAD TABLES AND SECTION PROPERTIES WERE GENERATED BY THE SDI.

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

TYPE "HF" HEAVY FORM DECK

SLAB INFORMATION

MAXIMUM CONSTRUCTION CLEAR SPANS

Total Slab Depth, inches	W.W.F	Mp	Mn	Theo. Concrete Volume	
				yd ³ /100ft ²	ft ³ /ft ²
2.5	6x6- W1.4 x W1.4	1.14	1.85	0.632	0.172
3	6x6- W1.4 x W1.4	1.52	2.23	0.789	0.213
3.5	6x6- W2.0 x W2.0	5.28	4.32	0.944	0.255
4	6x6- W2.9 x W2.9	9.11	7.63	1.10	0.297
4.5	6x6- W4.0 x W4.0	14.6	12.38	1.25	0.338
5	6x6- W4.0 x W4.0	16.7	14.5	1.41	0.380
5.5	6x6- W4.0 x W4.0	18.9	16.7	1.56	0.422

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
2.5 (t=1.50)	26	25.9	3-9	4-11	4-11	19.9	4-2	5-3	5-3
	24	26.1	5-0	6-7	6-8	20.1	5-7	7-1	7-2
	22	26.4	6-0	8-0	7-5	20.4	6-1	8-7	8-1
	20	26.7	6-5	8-7	7-11	20.8	6-6	9-8	8-7
3 (t=2.00)	26	31.9	3-6	4-8	4-8	24.4	4-0	5-0	5-1
	24	32.1	4-8	6-2	6-3	24.7	5-4	6-8	6-9
	22	32.4	5-7	7-6	6-11	24.9	5-8	8-1	7-7
	20	32.7	5-11	8-0	7-4	25.2	6-1	9-0	8-1
3.5 (t=2.50)	26	38.0	3-4	4-5	4-6	29.0	3-10	4-9	4-10
	24	38.2	4-5	5-10	5-11	29.2	5-0	6-4	6-5
	22	38.4	5-3	7-1	6-7	29.5	5-5	7-8	7-2
	20	38.8	5-7	7-7	7-0	29.8	5-9	8-5	7-7
4 (t=3.00)	26	44.0	3-2	4-3	4-4	33.6	3-8	4-7	4-8
	24	44.2	4-2	5-7	5-8	33.8	4-9	6-1	6-2
	22	44.5	5-0	6-8	6-3	34.1	5-2	7-4	6-10
	20	44.8	5-4	7-2	6-8	34.4	5-5	8-0	7-3
4.5 (t=3.50)	26	50.0	3-1	4-1	4-2	38.9	3-6	4-5	4-6
	24	50.2	4-0	5-4	5-5	38.4	4-7	5-10	5-11
	22	50.5	4-9	6-5	6-0	38.7	4-11	7-1	6-7
	20	50.8	5-2	6-11	6-4	39.0	5-3	7-8	7-0
5 (t=4.00)	26	56.1	2-11	3-11	4-0	42.8	3-5	4-4	4-4
	24	56.3	3-10	5-2	5-3	43.0	4-5	5-8	5-9
	22	56.6	4-7	6-2	5-9	43.3	4-9	6-10	6-4
	20	56.9	4-11	6-8	6-1	43.6	5-0	7-5	6-9
5.5 (t=4.50)	26	61.7	2-10	3-10	3-10	47.11	3-4	4-2	4-3
	24	61.9	3-8	5-0	5-0	47.3	4-3	5-6	5-7
	22	62.2	4-5	5-11	5-7	47.5	4-7	6-7	6-1
	20	62.5	4-9	6-5	5-11	47.9	4-11	7-2	6-6

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
2.5 (t=1.50)	6x6- W1.4 x W1.4	0.028	223	143	99	73	56	44	36	30	25	21	18	16	14
	6x6- W2.0 x W2.0	0.040	314	201	140	103	79	62	50	42	35	30	26	22	20
	6x6- W2.9 x W2.9	0.058	400	285	198	145	111	88	71	59	49	42	36	32	28
3 (t=2.00)	6x6- W1.4 x W1.4	0.028	298	190	132	97	74	59	48	39	33	28	24	21	19
	6x6- W2.0 x W2.0	0.040	400	269	187	137	105	83	67	56	47	40	34	30	26
	6x6- W2.9 x W2.9	0.058	400	383	266	195	150	118	96	79	66	57	49	43	37
3.5 (t=2.50)	6x6- W2.0 x W2.0	0.040	400	400	282	207	159	125	102	84	71	60	52	45	40
	6x6- W2.9 x W2.9	0.058	400	400	396	291	223	176	143	119	99	84	73	63	56
	6x6- W4.0 x W4.0	0.080	400	400	400	387	296	234	190	157	132	112	97	84	74
4 (t=3.00)	6x6- W2.9 x W2.9	0.058	400	400	400	366	281	222	180	148	125	106	92	80	70
	6x6- W4.0 x W4.0	0.080	400	400	400	400	376	297	240	199	167	142	123	107	94
	4x4- W2.9 x W2.9	0.087	400	400	400	400	400	329	266	220	185	158	136	118	104
4.5 (t=3.50)	6x6- W4.0 x W4.0	0.080	400	400	400	400	400	360	291	241	202	172	149	129	114
	4x4- W2.9 x W2.9	0.087	400	400	400	400	400	397	321	266	223	190	164	143	126
	4x4- W4.0 x W4.0	0.120	400	400	400	400	400	400	400	356	299	255	220	192	168
5 (t=4.00)	6x6- W4.0 x W4.0	0.080	400	400	400	400	400	400	342	283	238	202	175	152	135
	4x4- W2.9 x W2.9	0.087	400	400	400	400	400	400	377	311	262	223	192	167	147
	4x4- W4.0 x W4.0	0.120	400	400	400	400	400	400	400	400	352	300	259	225	198
5.5 (t=4.50)	6x6- W4.0 x W4.0	0.080	400	400	400	400	400	400	393	325	273	232	200	175	153
	4x4- W2.9 x W2.9	0.087	400	400	400	400	400	400	400	357	300	256	220	192	169
	4x4- W4.0 x W4.0	0.120	400	400	400	400	400	400	400	400	400	345	298	259	228