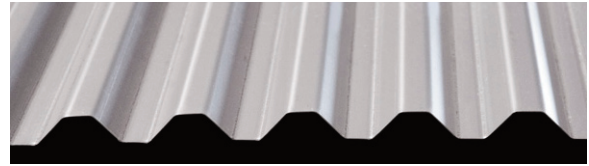
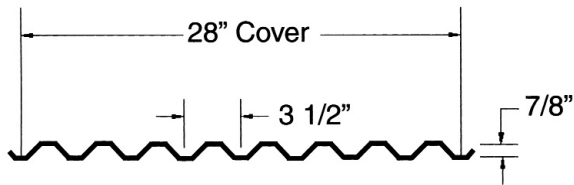


TYPE "HD" (HEAVY DUTY FORM DECK)



Helpful Hint: Heavy Duty form deck is used when the spans and loads exceed the capability of standard form deck.

Section Properties (Fy=40 ksi)

Gage	Design Thickness	Weight (psf)Glv	Ip(In ⁴)	Sp(In ³)	Sn(In ³)
26	.0179	1.10	0.031	0.062	0.064
24	.0238	1.40	0.041	0.088	0.088
22	.0295	1.60	0.051	0.109	0.108
20	.0358	2.03	0.062	0.132	0.131

- Section properties calculated in accordance with AISI specifications

Maximum Construction Clear Spans

Slab Depth	Gage	Weight PSF	NW Concrete 145 PCF			Weight PSF	LW Concrete 110 PCF		
			1 Span	2 Span	3 Span		1 Span	2 Span	3 Span
2.5"	26	24	3-7	4-8	4-8	18	3-11	5-0	5-0
	24	24	4-9	6-1	6-3	18	5-1	6-7	6-7
	22	24	5-6	7-2	7-3	19	5-9	7-7	7-9
	20	25	6-2	8-1	7-7	19	6-8	8-9	8-3
3.0"	26	30	3-6	4-6	4-7	23	3-8	4-9	4-10
	24	30	4-5	5-9	5-11	23	4-9	6-3	6-3
	22	30	5-1	6-9	6-9	23	5-7	7-3	7-4
	20	31	5-9	7-8	7-1	24	6-3	8-3	7-8
3.5"	26	36	3-4	4-4	4-5	27	3-7	4-7	4-8
	24	36	4-3	5-7	5-8	28	4-6	5-11	6-0
	22	36	4-11	6-5	6-3	28	5-3	6-11	6-10
	20	37	5-6	7-3	6-8	28	6-0	7-11	7-3
4.0"	26	42	3-2	4-2	4-3	32	3-5	4-5	4-6
	24	42	4-1	5-4	5-5	32	4-5	5-9	5-10
	22	42	4-8	6-2	6-0	32	5-1	6-8	6-7
	20	43	5-3	6-11	6-4	33	5-8	7-7	6-11
4.5"	26	48	3-1	4-0	4-0	36	3-4	4-4	4-5
	24	48	3-11	5-1	5-2	37	4-2	5-6	5-7
	22	49	4-5	6-0	5-9	37	4-10	6-5	6-3
	20	49	5-0	6-8	6-1	37	5-6	7-3	6-8
5.0"	26	54	3-0	3-11	3-11	41	3-3	4-2	4-3
	24	54	3-9	4-11	5-0	41	4-1	5-4	5-5
	22	55	4-3	5-8	5-6	42	4-8	6-2	6-0
	20	55	4-10	6-5	5-10	42	5-3	7-0	6-4
5.5"	26	60	2-11	3-10	3-10	46	3-1	4-1	4-1
	24	60	3-8	4-10	4-10	46	3-11	5-2	5-3
	22	61	4-1	5-6	5-4	46	4-6	6-0	5-10
	20	61	4-7	6-2	5-8	46	5-1	6-10	6-4

TYPE "HD" (HEAVY DUTY FORM DECK) *continued...*

Span Condition	Gage	Design Criteria	Uniform Total Load in Pounds Per Square Foot (Dead and Live)								
			3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"
One	26	36000	180	130	100	78	65	52	45		
		L/240	96	60	40	29					
		L/180	130	82	55	37					
	24	36000	260	192	147	116	94	77	66		
		L/240	136	88	59	40	31				
		L/180	184	115	77	54	40				
	22	36000		256	196	153	124	101			
		L/240		110	76	52	37	28			
		L/180		148	99	70	50	37			
	20	36000			250	197	159	133			
		L/240			89	62	45	35			
		L/180			121	83	61	45			
Two	26	36000	190	140	106	83	68	55	46	40	34
		L/240	*	140	100	70	51	39	29		
		L/180	*	*	*	83	67	51	40		
	24	36000	274	202	154	121	98	81	70	59	49
		L/240	*	202	144	100	72	55	41	33	
		L/180	*	202	155	121	98	73	57		
	22	36000		262	201	158	128	106	88	77	65
		L/240		263	180	126	91	68	52	41	33
		L/180		*	201	158	123	91	70	55	45
	20	36000			247	196	157	129	109	93	80
		L/240			216	151	110	83	63	50	40
		L/180			*	196	147	110	85	66	53
Three or More	26	36000	236	173	132	105	84	70	58		
		L/240	187	117	79	55	40	29			
		L/180	236	158	106	73	53	40			
	24	36000		252	193	152	123	101	85	72	63
		L/240		166	112	78	56	42	32		
		L/180		222	148	105	76	57	43		
	22	36000		327	250	198	160	132	111	94	
		L/240		211	140	99	71	53	41	32	
		L/180		280	187	132	96	72	56	44	
	20	36000			309	244	197	163	138	116	100
		L/240			169	119	87	64	49	39	31
		L/180			226	158	115	86	66	52	41