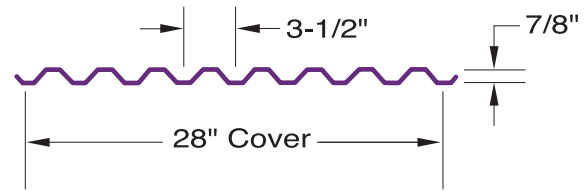
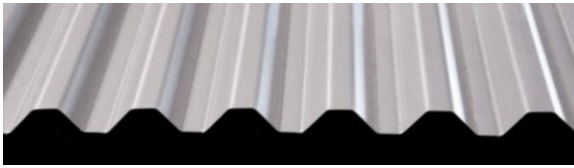


TYPE "HD" FORM DECK (HEAVY DUTY)



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



Section Properties (Fy=80 ksi)

Gage	Design Thickness	Weight (psf) Glv	I _p (In ⁴)	I _n (In ⁴)	S _p (In ³)	S _n (In ³)
26	.0179	1.10	0.0288	0.0288	0.0601	0.0605
24	.0238	1.40	0.0387	0.0386	0.0855	0.0855
22	.0295	1.60	0.048	0.048	0.1059	0.106
20	.0358	2.03	0.0583	0.0583	0.1277	0.1278

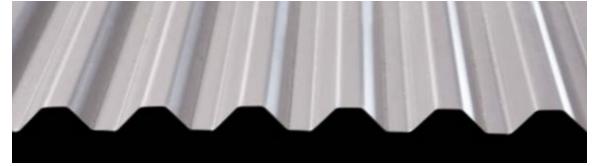
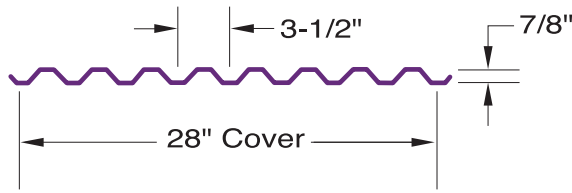
- Section properties calculated in accordance with AISI specifications

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	3-5	4-6	4-6	18	3-9	4-10	4-11
	24	24	4-7	5-11	6-1	18	4-11	6-5	6-5
	22	24	5-4	7-0	7-1	19	5-8	7-5	7-7
	20	25	6-0	7-11	7-5	19	6-6	8-7	8-1
3.0"	26	30	3-4	4-4	4-5	23	3-6	4-7	4-8
	24	30	4-3	5-8	5-9	23	4-7	6-1	6-1
	22	30	4-11	6-7	6-7	23	5-5	7-1	7-2
	20	31	5-8	7-6	6-11	24	6-1	8-1	7-6
3.5"	26	36	3-2	4-2	4-3	27	3-5	4-5	4-6
	24	36	4-1	5-5	5-6	28	4-4	5-9	5-10
	22	36	4-9	6-3	6-1	28	5-1	6-9	6-8
	20	37	5-4	7-1	6-6	28	5-10	7-9	7-1
4.0"	26	42	3-0	4-0	4-1	32	3-3	4-3	4-4
	24	42	3-11	5-2	5-3	32	4-3	5-7	5-8
	22	42	4-6	6-0	5-10	32	4-11	6-6	6-5
	20	43	5-1	6-9	6-2	33	5-6	7-5	6-9
4.5"	26	48	2-11	3-10	3-11	36	3-2	4-2	4-3
	24	48	3-9	4-11	5-0	37	4-0	5-4	5-5
	22	49	4-3	5-9	5-7	37	4-8	6-3	6-1
	20	49	4-10	6-6	5-11	37	5-4	7-1	6-6
5.0"	26	54	2-10	3-9	3-9	41	3-1	4-0	4-1
	24	54	3-7	4-10	4-10	41	3-11	5-2	5-3
	22	55	4-1	5-4	5-4	42	4-6	6-0	5-10
	20	55	4-8	6-3	5-8	42	5-1	6-10	6-2
5.5"	26	60	2-9	3-8	3-8	46	2-11	3-11	3-11
	24	60	3-6	4-8	4-8	46	3-9	5-0	5-1
	22	61	3-11	5-4	5-2	46	4-4	5-10	5-8
	20	61	4-5	6-0	5-6	46	4-11	6-8	6-2



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



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	165	121	93	73	59	49	41		
		L/240	74	46	31	22					
		L/180	99	62	41	29					
	24	36000	235	172	132	104	84	69	58		
		L/240	99	62	41	29	21				
		L/180	132	83	55	39	28				
	22	36000		214	163	129	104	86			
		L/240		77	52	36	26	20			
		L/180		103	69	48	35	26			
	20	36000			197	156	126	104			
		L/240			63	44	32	24			
		L/180			84	59	43	32			
Two	26	36000	171	125	96	76	61	50	42	36	31
		L/240	*	112	75	53	38	29	22		
		L/180	*	*	*	70	51	38	29		
	24	36000	233	171	131	103	84	69	58	49	42
		L/240	*	150	100	70	51	38	29	23	
		L/180	*	200	134	94	68	51	39		
	22	36000		211	162	128	103	85	72	61	52
		L/240		187	125	88	64	48	37	29	23
		L/180		*	167	117	85	64	49	38	31
	20	36000			196	154	125	103	87	74	64
		L/240			152	106	77	58	45	35	28
		L/180			*	142	103	78	60	47	37
Three or More	26	36000	213	157	120	95	77	63	53		
		L/240	140	88	59	41	30	22			
		L/180	187	118	79	55	40	30			
	24	36000		214	164	129	105	86	72	62	53
		L/240		118	79	55	40	30	23		
		L/180		157	105	74	54	40	31		
	22	36000		264	202	160	129	107	90	76	
		L/240		146	98	69	50	37	29	22	
		L/180		195	131	92	67	50	38	30	
	20	36000			245	193	156	129	108	92	80
		L/240			119	84	61	46	35	27	22
		L/180			159	112	81	61	47	37	29