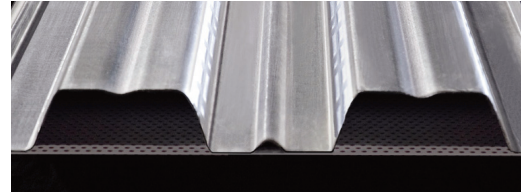
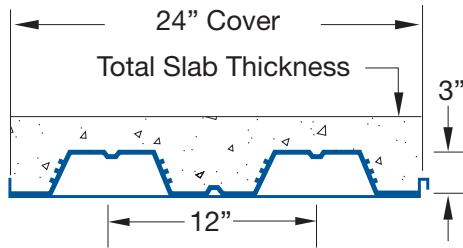


3" COMPOSITE CELLULAR DECK



Helpful Hint: Type 3" composite cellular deck is utilized in exposed ceiling areas where a flat bottom deck is desired for aesthetic purposes under a slab and the spans and loads exceed the capability of type 2" composite cellular deck.

Section Properties (Fy=40 ksi)

Gage Top/Bot	Weight (psf) Galv	Ip(In ⁴)	Sp(In ³)	Sn(In ³)
20/20	3.65	1.526	0.663	0.662
20/18	4.15	1.633	0.671	0.688
18/20	4.15	1.893	0.926	0.865
18/18	4.72	2.030	0.940	0.894
18/16	5.28	2.146	0.955	0.921
16/18	5.24	2.422	1.167	1.106

- Section properties calculated in accordance with AISI specifications

Maximum Construction Clear Spans

Slab Depth	Gage	Weight PSF	NW Concrete 145 PCF		
			1 Span	2 Span	3 Span
5.5"	20/20	58	9-5	11-8	12-0
	20/18	58	9-6	11-11	12-3
	18/20	58	11-5	13-4	13-9
	18/18	59	11-5	13-4	13-11
	18/16	59	11-7	13-8	14-1
	16/18	59	12-11	15-0	15-6
6.0"	20/20	64	9-0	11-3	11-7
	20/18	64	9-1	11-5	11-10
	18/20	64	10-11	12-10	13-3
	18/18	65	10-11	13-0	13-5
	18/16	65	11-1	13-2	13-7
	16/18	65	12-4	14-5	14-11
6.5"	20/20	70	8-9	10-10	11-3
	20/18	70	8-9	11-1	11-5
	18/20	70	10-6	12-5	12-10
	18/18	71	10-7	12-7	13-0
	18/16	71	10-8	12-9	13-2
	16/18	71	11-11	13-11	14-5

Slab Depth	Gage	Weight PSF	NW Concrete 145 PCF		
			1 Span	2 Span	3 Span
7.0"	20/20	76	8-5	10-6	10-10
	20/18	76	8-6	10-8	11-1
	18/20	76	10-2	12-0	12-5
	18/18	77	10-2	12-2	12-7
	18/16	77	10-3	12-4	12-9
	16/18	77	11-6	13-6	14-0
7.5"	20/20	82	8-2	10-2	10-6
	20/18	82	8-2	10-5	10-9
	18/20	82	9-10	11-8	12-0
	18/18	83	9-10	11-9	12-2
	18/16	83	9-11	12-0	12-4
	16/18	83	11-1	13-1	13-7