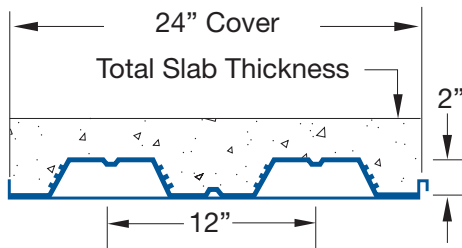


2" COMPOSITE CELLULAR DECK



Helpful Hint: Type 2" 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 1 1/2" 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	3.55	0.660	0.410	0.421
20/18	4.05	0.713	0.418	0.435
18/20	4.05	0.825	0.575	0.542
18/18	4.62	0.898	0.592	0.546
18/16	5.18	0.945	0.601	0.575
16/18	5.14	1.062	0.735	0.697

- 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
4.5"	20/20	46	7-10	10-1	10-5
	20/18	46	7-11	10-3	10-7
	18/20	46	9-7	11-6	11-10
	18/18	47	9-8	11-5	11-10
	18/16	47	9-9	11-9	12-2
	16/18	47	10-11	12-11	13-4
5.0"	20/20	52	7-5	9-8	10-0
	20/18	52	7-6	9-10	10-2
	18/20	52	9-1	11-0	11-4
	18/18	53	9-2	11-0	11-5
	18/16	53	9-3	11-3	11-7
	16/18	53	10-5	12-4	12-10
5.5"	20/20	58	7-1	9-4	9-7
	20/18	58	7-2	9-5	9-9
	18/20	58	8-8	10-7	10-11
	18/18	59	8-9	10-7	10-11
	18/16	59	8-10	10-10	11-2
	16/18	59	9-11	11-11	12-4

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