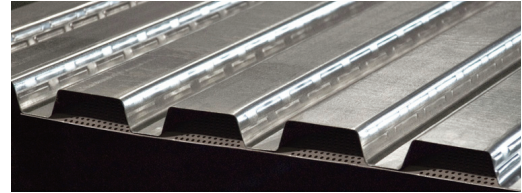
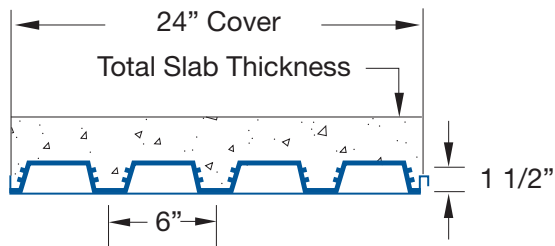


1.5" COMPOSITE CELLULAR DECK



Helpful Hint: Type 1.5" composite cellular deck is utilized in exposed ceiling areas where a flat bottom deck is desired for aesthetic purposes under a slab and a composite slab is desired.

Section Properties (Fy=40 ksi)

Gage Top/Bot	Weight (psf) Galv	Ip(In4)	Sp(In3)	Sn(In3)
20/20	3.53	0.380	0.305	0.375
20/18	4.02	0.405	0.314	0.415
18/20	4.48	0.512	0.456	0.460
18/18	5.11	0.550	0.463	0.515
18/16	5.58	0.596	0.475	0.563
16/18	5.58	0.703	0.644	0.635

- Section properties calculated in accordance with AISI specifications

Maximum Allowable Unshored Clear Spans

Slab Depth	Gage	Weight PSF	NW Concrete 145 PCF		
			1 Span	2 Span	3 Span
4.0"	20/20	41	6-10	9-2	9-3
	20/18	42	6-10	9-3	9-4
	18/20	42	8-8	10-11	11-3
	18/18	43	8-8	11-5	11-10
	18/16	43	8-9	11-11	12-1
	16/18	43	10-6	12-8	13-1
4.5"	20/20	47	6-6	8-9	8-10
	20/18	48	6-6	8-10	8-11
	18/20	48	8-2	10-5	10-9
	18/18	49	8-2	10-11	11-3
	18/16	49	8-4	11-4	11-6
	16/18	49	10-0	12-2	12-6
5.0"	20/20	53	6-2	8-4	8-6
	20/18	54	6-3	8-5	8-7
	18/20	54	7-10	10-0	10-4
	18/18	55	7-10	10-6	10-9
	18/16	55	7-11	10-10	11-0
	16/18	55	9-6	11-8	12-0

Slab Depth	Gage PSF	Weight	NW Concrete 145 PCF		
			1 Span	2 Span	3 Span
5.5"	20/20	59	5-11	8-0	8-2
	20/18	60	6-0	8-2	8-3
	18/20	60	7-6	9-7	9-11
	18/18	61	7-6	10-1	10-4
	18/16	61	7-7	10-5	10-6
	16/18	61	9-1	11-2	11-7
6.0"	20/20	65	5-8	7-9	7-10
	20/18	66	5-9	7-10	7-11
	18/20	66	7-2	9-3	9-7
	18/18	67	7-3	9-9	10-0
	18/16	67	7-4	10-0	10-2
	16/18	67	8-9	10-10	11-2