

CELLULAR COMPOSITE FLOOR DECKS

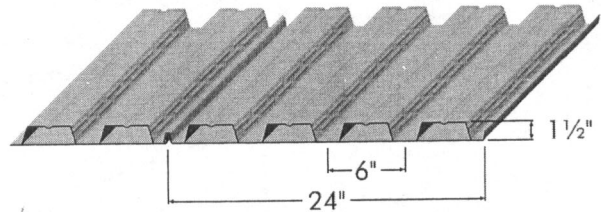
COMPOSITE

CFDC1.5

1½" high x 6" pitch x 24" wide

SECTION PROPERTIES $f_y = 40 \text{ ksi}$

GAGE	Wd (psf)	I _p (in ⁴)	I _n (in ⁴)	S _p (in ³)	S _n (in ³)
20/20	3.60	.371	.339	.308	.417
20/18	4.12	.400	.417	.314	.443
18/20	4.25	.497	.410	.454	.489
18/18	4.77	.540	.492	.464	.571
18/16	5.32	.577	.585	.472	.595
16/18	5.46	.682	.568	.641	.701
16/16	6.01	.732	.670	.652	.734

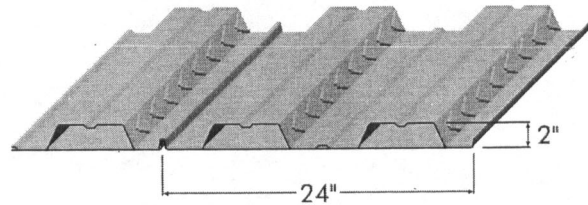


CFDC2

2" high x 12" pitch x 24" wide

SECTION PROPERTIES $f_y = 40 \text{ ksi}$

GAGE	Wd (psf)	I _p (in ⁴)	I _n (in ⁴)	S _p (in ³)	S _n (in ³)
20/20	3.55	.655	.562	.408	.437
20/18	4.07	.697	.643	.414	.453
18/20	4.18	.840	.695	.584	.571
18/18	4.70	.895	.789	.593	.589
18/16	5.26	.943	.871	.600	.605
16/18	5.38	1.071	.937	.764	.732
16/16	5.93	1.130	1.032	.774	.751

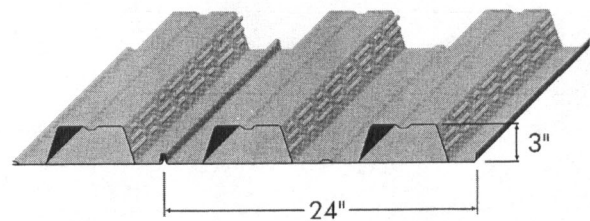


CFDC3

3" high x 12" pitch x 24" wide

SECTION PROPERTIES $f_y = 40 \text{ ksi}$

GAGE	Wd (psf)	I _p (in ⁴)	I _n (in ⁴)	S _p (in ³)	S _n (in ³)
20/20	3.76	1.534	1.275	.659	.674
20/18	4.27	1.632	1.450	.669	.698
18/20	4.45	1.925	1.579	.930	.879
18/18	4.97	2.052	1.782	.944	.907
18/16	5.53	2.161	1.969	.955	.931
16/18	5.72	2.456	2.126	1.185	1.128
16/16	6.27	2.589	2.338	1.199	1.157



Cellular composite floor deck profiles are available to accommodate special needs such as flush ceilings and longer unshored spans. CSI manufactures cellular composite decks with depths of 1½", 2", and 3". Gage combinations are from 20/20 to 16/16. Inquire for other gage combinations. The above profiles are also available as cellular acoustical. See page 37 for acoustical data. The allowable superimposed load for cellular composite floor deck systems can be conservatively determined from the appropriate non-cellular tables. For CFDC1.5 see pages 10 and 11; for CFDC2 see pages 12 and 13; and for CFDC3 see pages 14 and 15. The maximum unshored spans and cantilevers will be greater than shown. Inquire for exact spans.