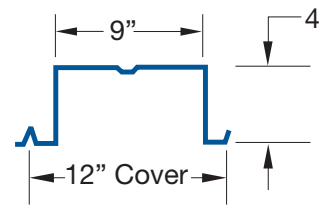
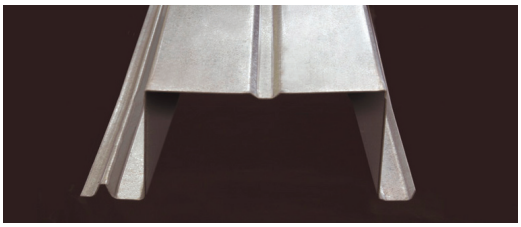
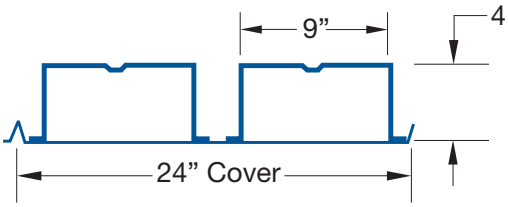
TYPE "J" & "J-CELLULAR" *(4 1/2" DEEP ROOF DECK)*

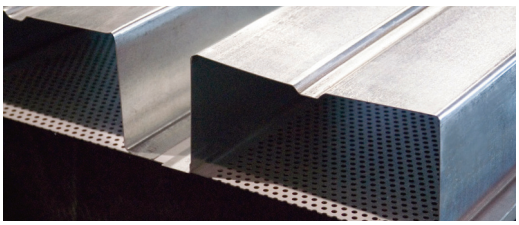


Type "J" Deck
Available in acoustical





Type "J-Cell" Deck
Available in acoustical



Section Properties (Fy=33 ksi)

Gage	Design Thickness	Weight (psf)Glv	Ip(In^4)	Sp(In^3)	Sn(In^3)
20	.0358	2.89	2.496	0.919	0.972
18	.0474	3.82	3.455	1.265	1.313
16	.0598	4.80	4.441	1.613	1.652

- Section properties calculated in accordance with AISI specifications

Gage	Weight (psf)Glv	Ip(In^4)	Sp(In^3)	Sn(In^3)
20/20	4.00	3.922	1.233	1.296
20/18	4.50	4.325	1.232	1.345
18/20	4.95	5.178	1.869	1.377
18/18	5.50	5.536	1.988	1.745
16/18	5.95	6.844	2.236	1.978
16/16	6.50	7.465	2.392	2.411

Type	Gage	Single Span Uniform Total Load in Pounds Per Square Foot (Dead and Live)															
		8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"
J	20	90	80	72	65	60	55	51	48	45	42	37	33	30	27	25	23
J	18	180	160	144	131	117	99	86	74	65	56	48	43	38	34	31	28
J	16	312	265	215	177	149	127	109	95	81	69	59	52	46	41	37	33
JC	20/20	90	80	72	65	60	55	51	48	45	42	40	37	36	34	32	31
JC	20/18	90	80	72	65	60	55	51	48	45	42	40	37	36	34	32	31
JC	18/20	180	160	144	131	120	111	103	96	90	79	68	59	52	46	41	37
JC	18/18	180	160	144	131	120	111	103	96	90	83	72	62	55	46	44	39
JC	16/18	312	278	250	227	207	176	152	132	116	101	87	75	66	58	52	46
JC	16/16	312	278	250	227	208	188	162	141	124	109	94	81	71	62	56	50

Notes: 1. Load tables are calculated using section properties based on the steel design thickness shown in the Steel Deck Institute (SDI) design manual.
2. Loads shown in the blue shaded areas are governed by the live load deflection not in excess of 1/240 of the span. A dead load of 10 psf has been included.
3. Loads shown in the beige shaded areas are controlled by a maximum stress of 20 ksi.
4. Loads unshaded are controlled by web crippling with a minimum 3" bearing.

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