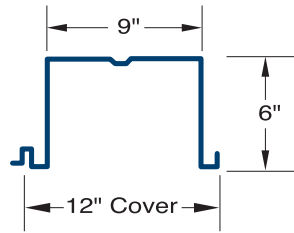
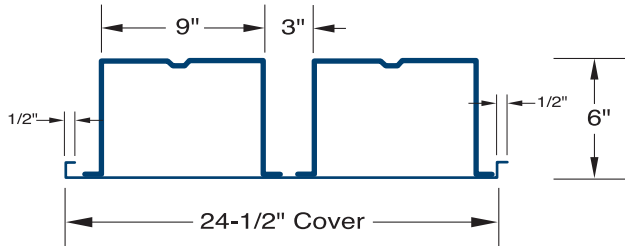


TYPE "H" & "H-CELLULAR" (6" DEEP ROOF DECK)

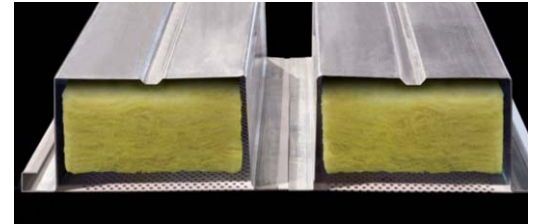


Type "H" Deck



Type "H-Cell" Deck

Acoustical Type Shown



Section Properties (Fy=33 ksi)

Gage	Design Thickness	Weight (psf) Glv	Ip(In ⁴)	In(In ⁴)	Sp(In ³)	Sn(In ³)
20	.0358	3.37	4.9065	5.7104	1.391	1.614
18	.0474	4.31	6.9754	7.8215	2.0557	2.2796
16	.0598	5.39	9.1359	9.8338	2.7339	2.9773

- Section properties calculated in accordance with AISI specifications

Gage	Weight (psf) Glv	Ip(In ⁴)	In(In ⁴)	Sp(In ³)	Sn(In ³)
20/20	4.77	6.169	5.391	1.277	1.261
20/18	5.6	6.458	6.781	1.255	1.693
18/20	5.71	8.635	6.579	2.101	1.59
18/18	6.53	9.422	7.849	2.032	1.969
18/16	6.89	10.08	11.216	2.112	2.439
16/18	7.61	11.897	9.214	3.044	2.241
16/16	7.85	12.837	11.051	3.074	2.722

Acoustical Data

Absorption Coefficients						NRC
125	250	500	1000	2000	4000	
.67	1.03	1.19	.99	.87	.77	1.0

Type	Gage	Single Span Uniform Total Load in Pounds Per Square Foot (Dead and Live)															
		15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"	25'-0"	26'-0"	27'-0"	28'-0"	29'-0"	30'-0"
H	20	55	51	48	46	43	41	39	37	35	32	29	27	25	23	22	20
H	18	95	89	84	79	75	67	59	53	48	43	39	36	33	31	29	27
H	16	145	136	127	115	97	85	75	66	59	53	48	44	40	37	35	32
HC	20/20	55	51	48	46	43	41	38	35	32	29	27	25	23	22	20	19
HC	20/18	55	51	48	46	43	41	39	36	33	30	28	26	24	23	21	20
HC	18/20	95	89	84	79	75	69	63	57	52	48	44	41	38	36	33	31
HC	18/18	95	89	84	79	75	69	63	57	52	48	44	41	38	36	33	31
HC	18/16	95	89	84	79	75	70	63	58	53	49	45	41	38	36	33	31
HC	16/18	145	136	127	121	111	100	91	83	74	66	60	55	50	46	42	39
HC	16/16	145	136	127	121	112	101	92	84	77	70	64	58	53	48	45	42

- Notes:
- Load tables are calculated using section properties based on the steel design thickness shown in the Steel Deck Institute (SDI) design manual.
 - 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.
 - Loads shown in the unshaded areas are controlled by a maximum stress of 20 ksi.
 - Loads shown in the beige shaded areas are controlled by web crippling with a minimum 3" bearing.