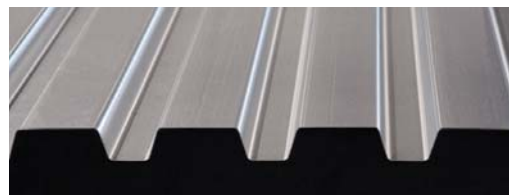
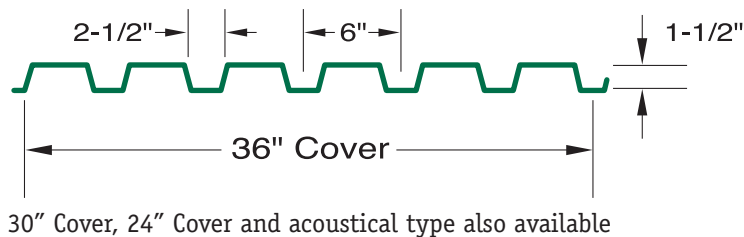


# ROOF TYPE "B" ROOF DECK (WIDE RIB)



Type "B"

Helpful Hint: Type "B" deck is the deck of choice for the majority of roofing applications. It is our most commonly sold product.



Type "B Acoustical"  
(wide rib perforated)

## Section Properties (Fy=33 ksi)

Gage	Design Thickness	Weight (psf) Ptd Galv	Ip(In <sup>4</sup> )	In(In <sup>4</sup> )	Sp(In <sup>3</sup> )	Sn(In <sup>3</sup> )	
22	.0295	1.58	1.61	0.1591	0.1891	0.1877	0.196
20	.0358	1.98	2.04	0.2067	0.2305	0.2327	0.2458
18	.0474	2.60	2.70	0.2981	0.3061	0.3166	0.3263
16	.0598	3.10	3.20	0.3869	0.3869	0.4063	0.4104
14	.0747	4.00	4.10	0.4845	0.4845	0.51	0.51
12	.1046	5.80	5.95	0.6819	0.6819	0.707	0.707

## Acoustical Data: Type "B Acoustical"

Absorption Coefficients						NRC
125	250	500	1000	2000	4000	.55
.14	.19	.45	.92	.54	.31	

- Section properties calculated in accordance with AISI specifications

Gage	Span Cond	Max SDI Const Sp	Uniform Total Load in Pounds Per Square Foot (Dead and Live)											
			5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"	
22	One	5'-9"	92	72	57	47	40	34	30					
20		6'-6"	116	90	71	58	48	41	36	31				
18		7'-9"	162	124	98	79	65	55	47	41	36	32		
16		8'-9"		155	122	98	80	67	57	49	43	38	34	
14		9'-8"		192	150	120	98	82	69	59	51	45	40	
12		11'-8"					165	134	111	93	79	68	59	52
22		Two	6'-8"	100	83		69	59	51	44	39	34	31	
20	7'-7"		123	102	85	73	63	54	48	42	38	34	30	
18	9'-1"		165	136	114	97	84	73	64	57	50	45	41	
16	10'-3"			172	145	123	106	92	81	72	64	57	52	
14	11'-6"				180	153	132	115	101	89	80	71	64	
12	13'-7"						183	159	140	124	110	99	89	
22	Three or More		6'-8"	125	104	87	74	64	55	48	41	36	32	
20		7'-7"	154	127	107	91	78	68	59	51	44	39	35	
18		9'-1"		170	143	122	105	91	80	68	59	52	46	
16		10'-3"			181	154	133	116	99	84	73	63	55	
14		11'-6"				191	165	144	122	103	88	77	67	
12		13'-7"						199	168	141	120	104	90	

- 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 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.