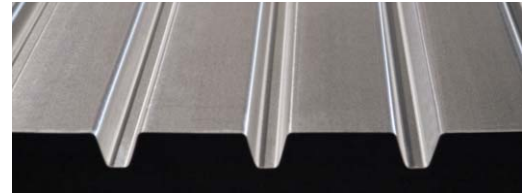
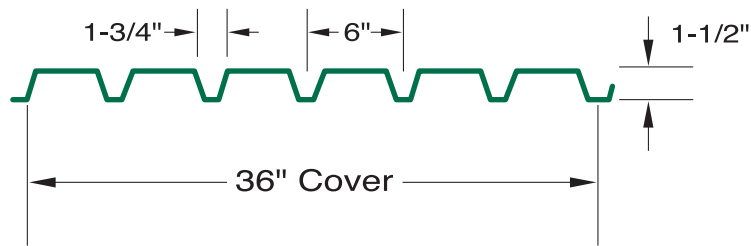


# ROOF TYPE "F" ROOF DECK (INTERMEDIATE RIB)



Helpful Hint: Type "F" deck is typically used when 2" or less of roof insulation is present to prevent insulation damage over the deck valleys.

## 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	0.1307	0.1523	0.1307	0.1419
20	.0358	1.98	2.04	0.1689	0.1851	0.1625	0.1728
18	.0474	2.60	2.70	0.2412	0.2458	0.2218	0.2285
16	.0598	3.10	3.20	0.3109	0.3109	0.2851	0.2875

- 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'-2"	70	58	49	41	35	30					
20		6'-0"	87	72	60	50	42	36	31				
18		7'-1"	119	98	82	68	56	48	41	36	32		
16		8'-1"	153	126	105	85	70	58	50	43	38	34	30
22	Two	6'-2"	76	63	53	45	39	34					
20		7'-1"	92	76	64	54	47	41	36	32			
18		8'-4"	122	101	85	72	62	54	47	42	37	33	30
16		9'-5"	154	127	107	91	78	68	60	53	47	42	38
22	Three or More	6'-2"	95	79	66	56	48	42	37	33			
20		7'-1"	115	95	80	68	59	51	45	40	35	32	
18		8'-4"	153	126	106	90	78	68	59	53	47	42	38
16		9'-5"	192	159	134	114	98	85	75	66	59	53	48

- 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.