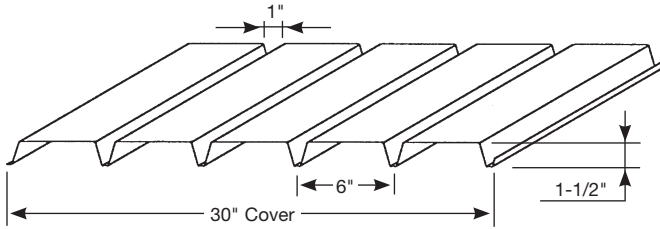


1-1/2" Narrow Rib Roof Deck - Type A



Wheeling
Roof Deck

Roof Deck



Section Properties (per ft. of width)

Gage	t in	Sp in ³	Sn in ³	Ip in ⁴	In in ⁴	Wt. (psf)	
						Galv.	Ptd.
22	0.0295	0.113	0.124	0.117	0.138	1.8	1.7
20	0.0358	0.140	0.150	0.152	0.168	2.2	2.0
18	0.0474	0.192	0.198	0.217	0.223	2.8	2.7

Allowable Uniform Total Loads - psf

Fy= 33 ksi

Number of Spans	Type	Span - Feet & Inches										
		4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"
1 Span	22	93	73	60	49	41	35	30	26	23	21	
	20	116	91	74	61	51	44	38	33	29	26	23
	18	158	125	101	84	70	60	51	44	38	33	29
2 Span	22	101	80	65	54	45	38	33	29	25	23	20
	20	122	97	79	65	55	47	40	35	31	27	24
	18	162	128	104	86	72	62	53	46	41	36	32
3 Span	22	125	99	81	67	56	48	41	36	32	28	25
	20	152	121	98	81	68	58	50	44	38	34	30
	18	201	159	129	107	90	77	66	58	51	45	40

◀ FM ▶ Approval

Wheeling 1-1/2", 3" and 4-1/2" deep Roof Decks are Factory Mutual Approved for Class 1 and Class 2 fire rated insulated assemblies and 1-60 through 1-90 Windstorm classification. For installation guidelines, consult FM Data Sheet 1-29.

FM ALLOWABLE SPANS				
Deck Profile	Design Thickness			
	22	20	18	16
Type A Narrow Rib	4'-10"	5'-3"	6'-0"	-
Type F36 Intermediate Rib	4'-11"	5'-5"	6'-3"	-
Type BW36 Wide Rib	6'-0"	6'-6"	7'-5"	8'-5"
Type BW36 Acoustical	5'-9"	6'-3"	7'-2"	8'-2"
Type N Deep Rib	12'-2"	13'-7"	16'-0"	18'-4"
Type N Acoustical	12'-2"	13'-7"	16'-0"	18'-1"
Type 4 1/2" Deep Rib	17'-0"	18'-6"	20'-1"	22'-6"
Type 4 1/2" Acoustical	17'-0"	18'-6"	20'-1"	22'-6"
Type High-Strength B&BW	6'-3"	6'-10"	7'-9"	8'-8"
Type High-Strength B&BW Acoustical	5'-11"	6'-6"	7'-6"	8'-5"