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# Type "F" Roof Deck

Factory Mutual Approved

## SECTION PROPERTIES

Deck Type	Design Thick.	Weight (PSF)		I in <sup>4</sup> /ft	Sp in <sup>3</sup> /ft	Sn in <sup>3</sup> /ft	Fy KSI
		Ptd.	Galv.				
F22	0.0295	1.63	1.73	0.121	0.112	0.121	33
F21	0.0329	1.82	1.92	0.137	0.127	0.135	33
F20	0.0358	1.99	2.09	0.151	0.139	0.148	33
F19	0.0418	2.32	2.42	0.180	0.166	0.172	33
F18	0.0474	2.64	2.74	0.207	0.190	0.195	33

Type F (intermediate rib) deck is designed to provide the most economical combination of structural load carrying capacity and insulation materials. The rib openings permit fast and easy installation, and the nestable design eliminates

## VERTICAL LOADS

No. of Spans	Deck Type	Max. SDI Const. Span	Allowable Total (Dead + Live) Uniform Load (PSF)										
			Span (ft.-in.) C. to C. of Support										
			4'-0	4'-6	5'-0	5'-6	6'-0	6'-6	7'-0	7'-6	8'-0	8'-6	9'-0
1	F22	4'-9	93	74	60	49	41	35	30	27	23	21	21
	F21	5'-1	106	84	68	56	47	40	35	30	26	23	21
	F20	5'-5	116	92	74	61	51	44	38	33	29	25	23
	F19	6'-0	138	109	89	73	61	52	44	38	33	29	26
	F18	6'-5	158	125	101	84	70	59	49	42	36	32	29
2	F22	5'-10	101	80	65	53	45	38	33	29	25	22	20
	F21	6'-2	113	89	72	60	50	43	37	32	28	25	22
	F20	6'-6	123	97	79	65	55	47	40	35	31	27	24
	F19	7'-1	143	113	92	76	64	54	47	41	36	32	28
	F18	7'-8	163	128	104	86	72	62	53	46	41	36	32
3	F22	5'-10	126	100	81	67	56	48	41	36	32	28	25
	F21	6'-2	141	111	90	74	63	53	46	40	35	31	28
	F20	6'-6	154	122	99	82	69	58	50	44	39	34	30
	F19	7'-1	179	142	115	95	80	68	59	51	45	40	35
	F18	7'-8	203	160	130	107	90	77	66	58	51	45	40

Note 1. Load tables are calculated using sectional properties based on the steel design thickness shown in the Steel Deck Institute (SDI) Design Manual.