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# Type "A" 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	S <sub>n</sub> in <sup>3</sup> /ft	F <sub>y</sub> KSI
		Ptd.	Galv.				
A22	0.0295	1.70	1.80	0.112	0.098	0.106	33
A21	0.0329	1.89	1.99	0.127	0.111	0.119	33
A20	0.0358	2.06	2.16	0.140	0.122	0.130	33
A19	0.0417	2.41	2.51	0.167	0.145	0.152	33
A18	0.0474	2.74	2.84	0.192	0.167	0.172	33

## 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	A22	4'-2	82	65	52	43	36	31	27	23	20		
	A21	4'-9	93	73	59	49	41	35	30	26	23	20	18
	A20	5'-2	102	80	65	54	45	39	33	29	25	23	20
	A19	5'-9	121	95	77	64	54	46	39	34	30	27	24
	A18	6'-2	139	110	89	74	62	53	45	40	34	30	27
2	A22	5'-2	88	70	57	47	39	33	29	25	22	20	
	A21	5'-11	99	78	63	52	44	38	32	28	25	22	20
	A20	6'-3	108	86	69	57	48	41	35	31	27	24	21
	A19	6'-10	127	100	81	67	56	48	41	36	32	28	25
	A18	7'-4	143	113	92	76	64	54	47	41	36	32	28
3	A22	5'-2	110	87	71	58	49	42	36	31	28	24	22
	A21	5'-11	124	98	79	66	55	47	40	35	31	27	24
	A20	6'-3	135	107	87	72	60	51	44	39	34	30	27
	A19	6'-10	158	125	101	84	70	60	52	45	40	35	31
	A18	7'-4	179	142	115	95	80	68	59	51	45	40	35

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