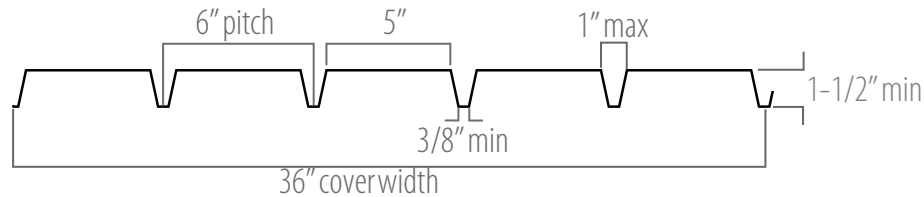


## 1.5A ROOF DECK

FM Global Approved



### SECTION PROPERTIES

Deck Type	Design Thickness (in.)	Deck Weight (psf)	Section Properties					
			$I_p$ (in <sup>4</sup> /ft)	$S_p$ (in <sup>3</sup> /ft)	$I_n$ (in <sup>4</sup> /ft)	$S_n$ (in <sup>3</sup> /ft)	$V_a$ (lbs/ft)	$F_y$ (ksi)
A22	0.0295	1.80	0.104	0.098	0.120	0.106	1700	33
A20	0.0358	2.16	0.134	0.122	0.145	0.130	2049	33
A19	0.0418	2.51	0.163	0.145	0.170	0.152	2377	33
A18	0.0474	2.84	0.190	0.167	0.193	0.172	2679	33

### VERTICAL LOADS FOR TYPE 1.5A

No. of Spans	Deck Type	Max. SDI Const. Span	Allowable Total Load (psf) / Load Causing Deflection of L/240 or 1 inch (psf)										
			Span (ft-in.) ctr to ctr of supports										
			4-0	4-6	5-0	5-6	6-0	6-6	7-0	7-6	8-0	8-6	9-0
1	A22	3'-9"	81 / 107	64 / 75	52 / 55	43 / 41	36 / 32	31 / 25	26 / 20	23 / 16	20 / 13	18 / 11	16 / 9
	A20	4'-8"	100 / 137	79 / 96	64 / 70	53 / 53	45 / 41	38 / 32	33 / 26	29 / 21	25 / 17	22 / 14	20 / 12
	A19	5'-6"	119 / 167	94 / 117	76 / 85	63 / 64	53 / 49	45 / 39	39 / 31	34 / 25	30 / 21	26 / 17	24 / 15
	A18	6'-2"	138 / 195	109 / 137	88 / 100	73 / 75	61 / 58	52 / 45	45 / 36	39 / 30	34 / 24	30 / 20	27 / 17
2	A22	4'-7"	87 / 276	69 / 194	56 / 141	46 / 106	39 / 82	33 / 64	28 / 52	25 / 42	22 / 35	19 / 29	17 / 24
	A20	5'-9"	106 / 344	84 / 242	68 / 176	56 / 132	47 / 102	40 / 80	35 / 64	30 / 52	27 / 43	24 / 36	21 / 30
	A19	6'-10"	124 / 411	98 / 289	80 / 210	66 / 158	55 / 122	47 / 96	41 / 77	36 / 62	31 / 51	28 / 43	25 / 36
	A18	7'-4"	140 / 473	111 / 332	90 / 242	75 / 182	63 / 140	53 / 110	46 / 88	40 / 72	35 / 59	31 / 49	28 / 41
3	A22	4'-7"	108 / 216	85 / 152	69 / 111	57 / 83	48 / 64	41 / 50	35 / 40	31 / 33	27 / 27	24 / 23	21 / 19
	A20	5'-9"	132 / 270	105 / 189	85 / 138	70 / 104	59 / 80	50 / 63	44 / 50	38 / 41	33 / 34	30 / 28	26 / 24
	A19	6'-10"	155 / 322	122 / 226	99 / 165	82 / 124	69 / 95	59 / 75	51 / 60	44 / 49	39 / 40	35 / 34	31 / 28
	A18	7'-4"	175 / 370	138 / 260	112 / 190	93 / 142	78 / 110	67 / 86	58 / 69	50 / 56	44 / 46	39 / 39	35 / 32