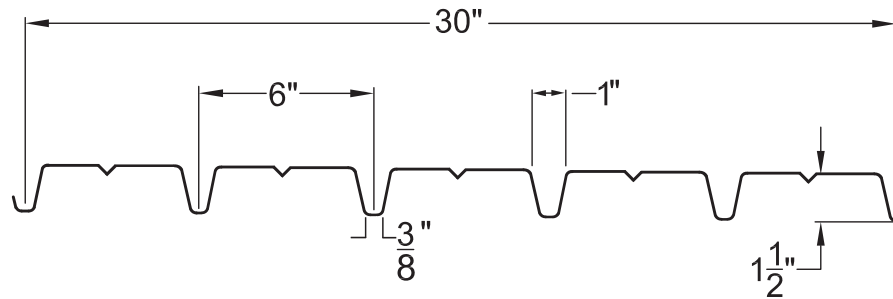


## 1.5A (ST) ROOF DECK



### SECTION PROPERTIES

Deck Type	Design Thickness (in.)	Deck Weight (psf)	Section Properties				F <sub>y</sub> (ksi)
			I <sub>p</sub> (in <sup>4</sup> /ft)	S <sub>p</sub> (in <sup>3</sup> /ft)	I <sub>n</sub> (in <sup>4</sup> /ft)	S <sub>n</sub> (in <sup>3</sup> /ft)	
A22	0.0299	1.91	0.115	0.110	0.121	0.114	60
A20	0.0359	2.26	0.141	0.133	0.146	0.138	60

### VERTICAL LOADS FOR TYPE 1.5AST

No. of Spans	Deck Type	Max. Const. Span	Allowable Total Load (psf) / Load Causing Deflection of L/240 or 1 inch (psf)										
			Span (ft-in.) ctr to ctr of supports										
			5-0	5-6	6-0	6-6	7-0	7-6	8-0	8-6	9-0	9-6	10-0
1	A22	6'-4	103 / 58	85 / 43	71 / 33	60 / 26	52 / 20	45 / 16	39 / 13	35 / 10	31 / 8	27 / 7	24 / 6
	A20	7'-7	125 / 72	103 / 53	86 / 41	73 / 31	63 / 25	54 / 20	48 / 16	42 / 13	37 / 10	33 / 9	30 / 7
2	A22	7'-10	107 / 144	88 / 107	74 / 82	63 / 64	54 / 51	47 / 41	41 / 34	36 / 28	32 / 23	28 / 19	25 / 16
	A20	9'-4	130 / 176	107 / 132	90 / 101	76 / 79	65 / 63	57 / 51	49 / 41	43 / 34	39 / 28	34 / 24	31 / 20
3	A22	7'-10	135 / 112	111 / 84	93 / 64	79 / 50	68 / 40	59 / 32	51 / 26	45 / 21	40 / 18	36 / 15	32 / 12
	A20	9'-4	163 / 137	134 / 103	113 / 78	96 / 61	82 / 49	71 / 39	62 / 32	55 / 26	49 / 22	44 / 18	39 / 15