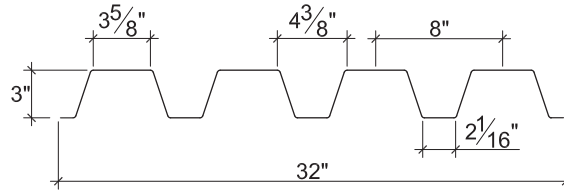


N32 ROOF DECK

FM Global Approved



SECTION PROPERTIES

Deck Type	Design Thickness (in.)	Deck Weight (psf)	Section Properties				V _a (lbs/ft)	F _y (ksi)
			I _p (in ⁴ /ft)	S _p (in ³ /ft)	I _n (in ⁴ /ft)	S _n (in ³ /ft)		
N22	0.0295	1.8	0.643	0.345	0.715	0.372	2176	50
N20	0.0358	2.2	0.806	0.448	0.886	0.476	3761	50
N19	0.0418	2.6	0.965	0.554	1.052	0.579	5127	50
N18	0.0474	2.9	1.123	0.660	1.200	0.675	6598	50
N16	0.0598	3.7	1.479	0.869	1.524	0.885	9064	50

VERTICAL LOADS FOR TYPE N32

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						
			10-0	11-0	12-0	14-0	16-0	18-0	20-0
1	N22	11'-11	69 / 42	57 / 32	48 / 24	35 / 15	27 / 10	21 / 7	17 / 5
	N20	15'-4	89 / 53	74 / 40	62 / 31	46 / 19	35 / 13	28 / 9	22 / 7
	N19		111 / 63	91 / 48	77 / 37	56 / 23	43 / 15	34 / 11	28 / 8
	N18	21'-1	132 / 74	109 / 55	91 / 43	67 / 27	51 / 18	41 / 13	33 / 9
	N16	27'-5	173 / 97	143 / 73	120 / 56	89 / 35	68 / 24	54 / 17	43 / 12
2	N22	14'-7	73 / ---	60 / ---	51 / ---	37 / ---	29 / 28	23 / 19	18 / 14
	N20	18'-11	94 / ---	78 / ---	65 / ---	48 / ---	37 / 34	29 / 24	24 / 17
	N19		114 / ---	95 / ---	80 / ---	59 / ---	45 / 41	36 / 28	29 / 21
	N18	26'-0	134 / ---	111 / ---	93 / ---	68 / ---	52 / 46	41 / 32	34 / 24
	N16	33'-9	175 / ---	145 / ---	122 / ---	90 / 88	69 / 59	54 / 41	44 / 30
3	N22	14'-7	90 / 88	75 / 66	63 / 51	47 / 32			
	N20	18'-11	117 / 110	97 / 82	81 / 63	60 / 40			
	N19		142 / 130	118 / 98	99 / 75	73 / 47			
	N18	26'-0	167 / 149	138 / 112	116 / 86	85 / 54			
	N16	33'-9	219 / 189	181 / 142	152 / 109	112 / 69			

Notes:

- Table does not account for web crippling. Required bearing should be determined based on specific span conditions.
- The symbol " --- " indicates that the uniform allowable load based on deflection exceeds the allowable load based on stress.