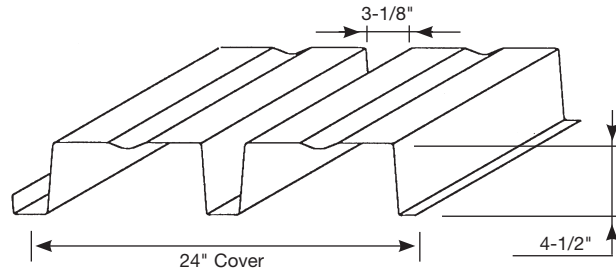


4.5DR ROOF DECK



SECTION PROPERTIES

Deck Type	Design Thickness (in.)	Deck Weight (psf)	Section Properties				F _y (ksi)
			I _p (in ⁴ /ft)	S _p (in ³ /ft)	I _n (in ⁴ /ft)	S _n (in ³ /ft)	
4.5DR 20	0.0359	2.87	2.059	0.715	2.139	0.559	60
4.5DR 19	0.0418	3.27	2.478	0.850	2.599	0.716	60
4.5DR 18	0.0478	3.71	2.914	0.989	3.035	0.959	60
4.5DR 16	0.0598	4.56	3.759	1.260	3.838	1.256	50

VERTICAL LOADS FOR TYPE 4.5DR

No. of Spans	Deck Type	Allowable Uniform Total Load (psf)													
		Span (ft-in.) ctr to ctr of supports													
		10-0	11-0	12-0	13-0	14-0	15-0	16-0	17-0	18-0	19-0	20-0	21-0	22-0	23-0
1	4.5DR 20	132	99	75	59	46	37	30	25	20	17	14	12	10	8
	4.5DR 19	159	119	91	71	56	45	36	30	25	20	17	14	12	10
	4.5DR 18	188	140	107	83	66	53	43	35	29	24	20	17	14	12
	4.5DR 16	242	181	138	108	85	69	56	46	38	31	26	22	19	16
2	4.5DR 20	123	108	90	76	65	57	49	43	38	34	31	28	25	22
	4.5DR 19	163	138	116	98	84	73	64	56	50	44	40	36	32	29
	4.5DR 18	208	186	156	132	113	98	86	76	67	60	54	46	40	34
	4.5DR 16	214	195	169	144	123	107	93	82	73	65	58	52	47	43
3	4.5DR 20	139	127	113	96	83	72	59	49	41	34	29	25	21	18
	4.5DR 19	185	168	146	124	106	88	72	59	49	41	35	30	26	22
	4.5DR 18	237	215	196	160	128	103	84	70	58	49	41	35	30	26
	4.5DR 16	296	254	213	181	155	133	109	90	75	63	54	46	39	34

Notes:

1. Values are based on a minimum exterior bearing of 3" and a minimum interior bearing of 5".
2. Values are based on deflection of L/240. Please contact D-MAC for allowable loads using deflection of L/180 or L/120.