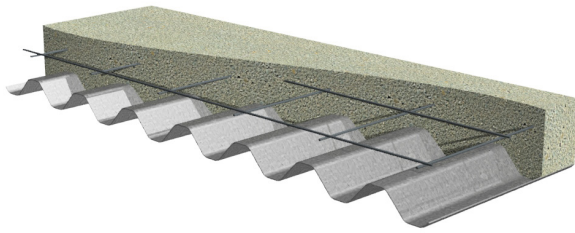
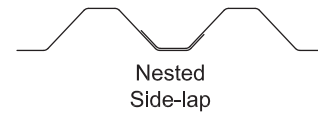
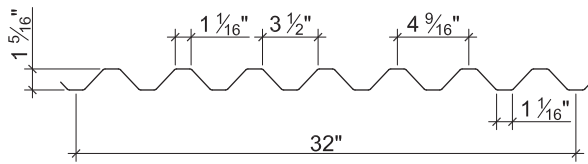


1.3C-32 NON-COMPOSITE DECK & ROOF DECK GRADE 80 STEEL

ASD



Nominal Dimensions



Section Properties

Deck Gage	Deck Weight w_{dd} (psf)	Base Metal Thickness t (in.)	Yield Strength F_y (ksi)	Effective Moment of Inertia at Service Load $I_d = (2I_e + I_g)/3$		Effective Section Modulus at $F_y = 60$ ksi		Allowable Moment		Vertical Web Shear V_n/Ω (lb/ft)
				I_{d+} (in ⁴ /ft)	I_{d-} (in ⁴ /ft)	S_{e+} (in ³ /ft)	S_{e-} (in ³ /ft)	M_{n+}/Ω (lb-ft/ft)	M_{n-}/Ω (lb-ft/ft)	
26	0.9	0.0179	60	0.067	0.067	0.080	0.089	240	266	1422
24	1.3	0.0239	60	0.093	0.092	0.126	0.130	377	389	2538
22	1.6	0.0295	60	0.116	0.116	0.163	0.163	488	488	3481
20	1.9	0.0358	60	0.139	0.139	0.197	0.197	590	590	4211

Allowable Reactions at Supports Based on Web Crippling, R_n/Ω (lb/ft)

Deck Gage	Bearing Length of Webs One-Flange Loading					
	End Bearing			Interior Bearing		
	1 1/2"	2"	3"	1 1/2"	2"	3"
26	353	391	454	393	430	492
24	614	677	783	746	812	923
22	915	1006	1158	1166	1265	1431
20	1318	1444	1656	1744	1885	2122

Standard Features

- ASTM A653 SS GR80 with G60
- Standard lengths – 6'-0" to 42'-0"
- IAPMO UES ER-652 and UL Listed
- Tables conform to ANSI/SDI NC-2017 and RD-2017

Optional Features

- Inquire regarding cost and lead times for:
 - Short cuts < 6'-0"
 - Sheet Lengths > 42'-0"
 - Alternative metallic and painted finishes
- Side-lap or bottom flange slot venting

1.3C-32 NON-COMPOSITE DECK & ROOF DECK GRADE 80 STEEL

ASD

Inward Uniform Allowable Loads, ASD (psf)

Deck Gage	Spans	Criteria	Span (ft-in.)										
			4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	9'-0"	10'-0"
26	Single	W_n / Ω	120	95	77	63	53	45	39	34	30	24	19
		$L/240$	69	48	35	26	20	16	13	10	9	6	4
	Double	W_n / Ω	130	103	84	69	59	50	43	38	33	26	21
		$L/240$	---	---	---	64	49	39	31	25	21	15	11
	Triple	W_n / Ω	160	128	104	86	73	62	54	47	41	33	26
		$L/240$	130	91	66	50	38	30	24	20	16	11	8
24	Single	W_n / Ω	189	149	121	100	84	71	62	54	47	37	30
		$L/240$	95	67	49	37	28	22	18	14	12	8	6
	Double	W_n / Ω	191	152	123	102	86	73	63	55	48	38	31
		$L/240$	---	---	116	87	67	53	42	34	28	20	15
	Triple	W_n / Ω	237	188	153	127	107	91	79	69	60	48	39
		$L/240$	178	125	91	68	53	41	33	27	22	16	11
22	Single	W_n / Ω	244	193	156	129	108	92	80	69	61	48	39
		$L/240$	119	83	61	46	35	28	22	18	15	10	8
	Double	W_n / Ω	240	191	155	128	108	92	79	69	61	48	39
		$L/240$	---	---	147	110	85	67	53	43	36	25	18
	Triple	W_n / Ω	298	237	193	159	134	115	99	86	76	60	49
		$L/240$	224	158	115	86	66	52	42	34	28	20	14
20	Single	W_n / Ω	295	233	189	156	131	112	96	84	74	58	47
		$L/240$	142	100	73	55	42	33	27	22	18	12	9
	Double	W_n / Ω	290	230	187	155	130	111	96	84	73	58	47
		$L/240$	---	---	176	132	102	80	64	52	43	30	22
	Triple	W_n / Ω	361	286	233	193	162	138	120	104	92	73	59
		$L/240$	269	189	138	103	80	63	50	41	34	24	17

Notes:

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

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