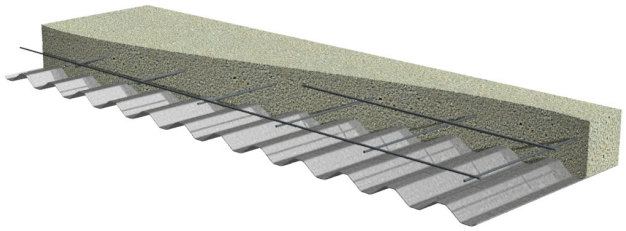
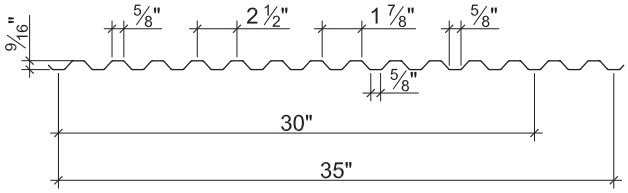
0.6C-30/0.6C-35 NON-COMPOSITE & ROOF DECKS
GRADE 80 STEEL

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 $I_d = (2I_e+I_g)/3$ I_d+ (in⁴/ft)	I_d- (in⁴/ft)	Effective Section Modulus at F_y = 60 ksi S_e+ (in³/ft)	S_e- (in³/ft)	Allowable Moment M_n+/Ω (lb-ft/ft)	M_n-/Ω (lb-ft/ft)	Vertical Web Shear V_n/Ω (lb/ft)
28	0.7	0.0149	60	0.011	0.011	0.033	0.034	99	102	1326
26	0.9	0.0179	60	0.013	0.013	0.042	0.042	126	126	1589
24	1.2	0.0239	60	0.017	0.017	0.056	0.056	168	168	2107
22	1.4	0.0295	60	0.021	0.021	0.069	0.068	207	204	2584

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

	Bearing Length of Webs One-Flange Loading			
	End Bearing		Interior Bearing	
Deck Gage	**1½"**	**2"**	**1½"**	**2"**
28	491	527	567	604
26	690	738	834	885
24	1176	1251	1507	1589
22	1729	1830	2295	2409

Standard Features

- ASTM A653 SS GR80 with G60
- Standard lengths – 6'-0" to 42'-0"
- IAPMO UES ER-0652 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

Inward Uniform Allowable Loads, ASD (psf)

Deck Gage	Spans	Criteria	Span (ft-in.) 1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"
28	Single	W_n / Ω	790	351	198	126	88	65	49	39	32	26	22
		L/240	721	214	90	46	27	17	11	8	6	4	3
	Double	W_n / Ω	760	351	200	129	90	66	51	40	32	27	23
		L/240	---	---	---	111	64	41	27	19	14	10	8
	Triple	W_n / Ω	925	433	248	160	112	82	63	50	41	34	28
		L/240	---	403	170	87	50	32	21	15	11	8	6
26	Single	W_n / Ω	1006	447	251	161	112	82	63	50	40	33	28
		L/240	852	253	107	55	32	20	13	9	7	5	4
	Double	W_n / Ω	935	432	247	159	111	82	63	49	40	33	28
		L/240	---	---	---	131	76	48	32	23	16	12	10
	Triple	W_n / Ω	1136	533	306	198	138	102	78	62	50	41	35
		L/240	---	477	201	103	60	38	25	18	13	10	7
24	Single	W_n / Ω	1341	596	335	215	149	109	84	66	54	44	37
		L/240	1114	330	139	71	41	26	17	12	9	7	5
	Double	W_n / Ω	1246	576	329	212	148	109	83	66	53	44	37
		L/240	---	---	---	172	99	63	42	29	21	16	12
	Triple	W_n / Ω	1513	710	408	264	184	136	104	82	67	55	46
		L/240	---	623	263	135	78	49	33	23	17	13	10
22	Single	W_n / Ω	1653	735	413	264	184	135	103	82	66	55	46
		L/240	1377	408	172	88	51	32	22	15	11	8	6
	Double	W_n / Ω	1515	700	400	257	179	132	101	80	65	54	45
		L/240	---	---	---	212	123	77	52	36	27	20	15
	Triple	W_n / Ω	1841	863	495	320	223	165	126	100	81	67	56
		L/240	---	770	325	166	96	61	41	29	21	16	12

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.