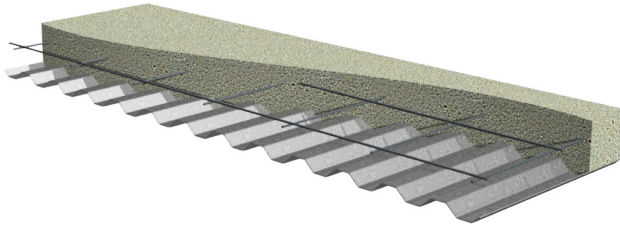
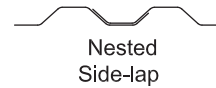
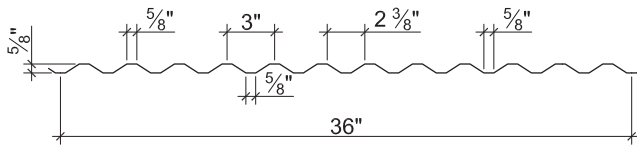


0.6C-36 NON-COMPOSITE & ROOF DECKS GRADE 80 STEEL

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 $I_d = (2I_e + I_g)/3$		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)	
28	0.7	0.0149	60	0.012	0.012	0.034	0.035	102	105	1191
26	0.9	0.0179	60	0.015	0.015	0.043	0.043	129	129	1719
24	1.1	0.0239	60	0.020	0.020	0.058	0.058	174	174	2391
22	1.4	0.0295	60	0.023	0.023	0.071	0.071	213	213	2943

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"	1 1/2"	2"
28	348	387	469	515
26	490	543	676	740
24	833	919	1186	1292
22	1227	1349	1782	1933

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

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ASD

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	814	362	204	130	90	66	51	40	33	27	23
		L/240	787	233	98	50	29	18	12	9	6	5	4
	Double	W_n / Ω	767	358	205	132	92	68	52	41	33	28	23
		L/240	---	---	---	121	70	44	30	21	15	11	9
	Triple	W_n / Ω	927	439	253	164	115	85	65	51	42	34	29
		L/240	---	---	186	95	55	35	23	16	12	9	7
26	Single	W_n / Ω	1030	458	257	165	114	84	64	51	41	34	29
		L/240	983	291	123	63	36	23	15	11	8	6	5
	Double	W_n / Ω	965	444	253	163	114	84	64	51	41	34	29
		L/240	---	---	---	152	88	55	37	26	19	14	11
	Triple	W_n / Ω	1174	548	314	203	141	104	80	63	51	42	36
		L/240	---	---	232	119	69	43	29	20	15	11	9
24	Single	W_n / Ω	1389	617	347	222	154	113	87	69	56	46	39
		L/240	1311	388	164	84	49	31	20	14	10	8	6
	Double	W_n / Ω	1306	600	342	220	153	113	86	68	55	46	39
		L/240	---	---	---	202	117	74	49	35	25	19	15
	Triple	W_n / Ω	1592	741	424	274	191	141	108	85	69	57	48
		L/240	---	733	309	158	92	58	39	27	20	15	11
22	Single	W_n / Ω	1701	756	425	272	189	139	106	84	68	56	47
		L/240	1508	447	188	96	56	35	24	17	12	9	7
	Double	W_n / Ω	1599	735	418	269	188	138	106	84	68	56	47
		L/240	---	---	---	232	135	85	57	40	29	22	17
	Triple	W_n / Ω	1950	908	519	335	234	172	132	104	85	70	59
		L/240	---	843	356	182	105	66	44	31	23	17	13

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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