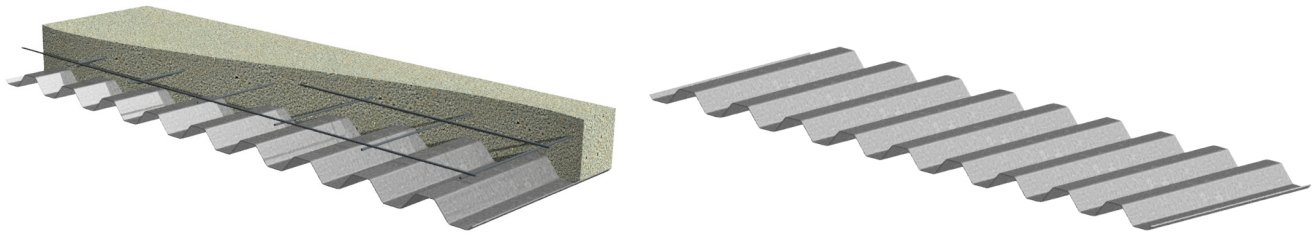
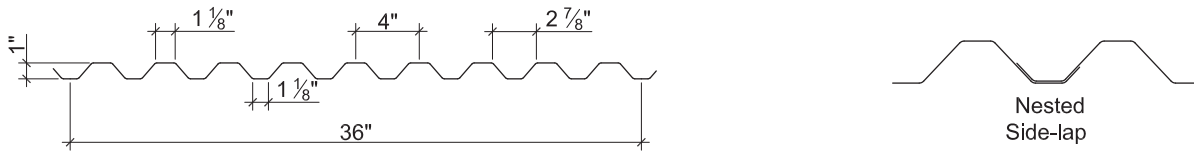


1.0C-36 NON-COMPOSITE & ROOF DECK GRADE 80 STEEL

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	0.039	0.039	0.065	0.068	195	204	1656
24	1.2	0.0239	60	0.057	0.057	0.099	0.103	296	308	2754
22	1.5	0.0295	60	0.070	0.070	0.129	0.131	386	392	3389
20	1.8	0.0358	60	0.083	0.083	0.160	0.160	479	479	4100

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	464	514	598	658	720	825
24	792	873	1010	1154	1257	1429
22	1167	1283	1477	1730	1877	2122
20	1665	1824	2091	2504	2707	3047

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.)										
			2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"
26	Single	W_n / Ω	389	249	173	127	97	77	62	51	43	37	32
		L/240	320	164	95	60	40	28	20	15	12	9	7
	Double	W_n / Ω	389	253	177	131	101	80	65	54	45	38	33
		L/240	---	---	---	---	96	68	49	37	29	22	18
	Triple	W_n / Ω	478	312	220	163	125	99	81	67	56	48	41
		L/240	---	309	179	113	75	53	39	29	22	18	14
24	Single	W_n / Ω	593	379	263	194	148	117	95	78	66	56	48
		L/240	467	239	138	87	58	41	30	22	17	14	11
	Double	W_n / Ω	594	385	269	199	153	121	98	81	68	58	50
		L/240	---	---	---	---	141	99	72	54	42	33	26
	Triple	W_n / Ω	731	477	334	247	190	151	122	101	85	73	63
		L/240	---	452	261	165	110	77	56	42	33	26	21
22	Single	W_n / Ω	772	494	343	252	193	153	124	102	86	73	63
		L/240	574	294	170	107	72	50	37	28	21	17	13
	Double	W_n / Ω	754	489	342	253	194	154	125	103	87	74	64
		L/240	---	---	---	---	173	121	88	66	51	40	32
	Triple	W_n / Ω	926	605	425	314	242	191	155	129	108	92	80
		L/240	---	554	321	202	135	95	69	52	40	32	25
20	Single	W_n / Ω	958	613	426	313	240	189	153	127	106	91	78
		L/240	680	348	202	127	85	60	44	33	25	20	16
	Double	W_n / Ω	920	597	418	309	237	188	152	126	106	90	78
		L/240	---	---	---	306	205	144	105	79	61	48	38
	Triple	W_n / Ω	1130	738	518	383	295	234	190	157	132	113	97
		L/240	---	657	380	240	161	113	82	62	48	37	30

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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