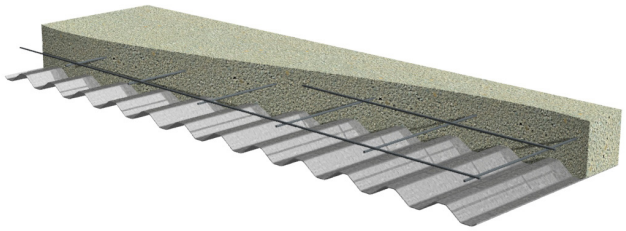
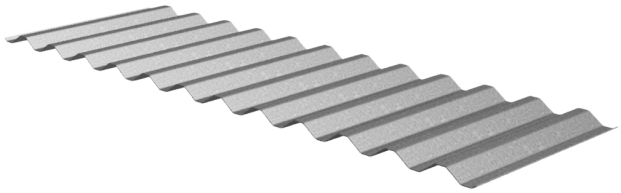
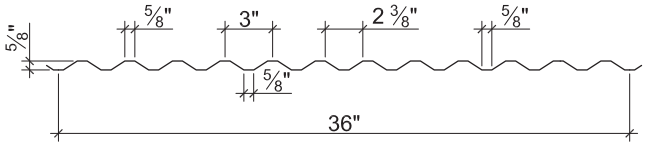
0.6C-36 NON-COMPOSITE DECK & ROOF DECKS
GRADE 80 STEEL

LRFD





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)	Design Moment øM$_n$+ (lb-ft/ft)	øM$_n$- (lb-ft/ft)	Vertical Web Shear øV$_n$ (lb/ft)
28	0.7	0.0149	60	0.012	0.012	0.034	0.035	153	158	1810
26	0.9	0.0179	60	0.015	0.015	0.043	0.043	194	194	2613
24	1.1	0.0239	60	0.020	0.020	0.058	0.058	261	261	3634
22	1.4	0.0295	60	0.023	0.023	0.071	0.071	320	320	4474

Design Reactions at Supports Based on Web Crippling, øR$_n$ (lb/ft)

	Bearing Length of Webs One-Flange Loading			
	End Bearing		Interior Bearing	
Deck Gage	**1½"**	**2"**	**1½"**	**2"**
28	533	592	698	766
26	750	831	1006	1100
24	1275	1406	1764	1921
22	1877	2063	2651	2875

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 Design Loads, LRFD (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	ϕW_n	1224	544	306	196	136	100	77	60	49	40	34
		L/240	787	233	98	50	29	18	12	9	6	5	4
	Double	ϕW_n	1155	538	308	199	139	102	78	62	50	42	35
		L/240	1895	561	237	121	70	44	30	21	15	11	9
	Triple	ϕW_n	1396	661	381	247	172	127	98	77	63	52	44
		L/240	1485	440	186	95	55	35	23	16	12	9	7
26	Single	ϕW_n	1548	688	387	248	172	126	97	76	62	51	43
		L/240	983	291	123	63	36	23	15	11	8	6	5
	Double	ϕW_n	1452	668	381	245	171	126	96	76	62	51	43
		L/240	2369	702	296	152	88	55	37	26	19	14	11
	Triple	ϕW_n	1768	825	472	305	213	157	120	95	77	64	54
		L/240	1857	550	232	119	69	43	29	20	15	11	9
24	Single	ϕW_n	2088	928	522	334	232	170	131	103	84	69	58
		L/240	1311	388	164	84	49	31	20	14	10	8	6
	Double	ϕW_n	1965	902	514	331	230	170	130	103	83	69	58
		L/240	3158	936	395	202	117	74	49	35	25	19	15
	Triple	ϕW_n	2397	1115	638	412	287	211	162	128	104	86	72
		L/240	2475	733	309	158	92	58	39	27	20	15	11
22	Single	ϕW_n	2556	1136	639	409	284	209	160	126	102	84	71
		L/240	1508	447	188	96	56	35	24	17	12	9	7
	Double	ϕW_n	2407	1105	629	405	282	208	159	126	102	84	71
		L/240	3632	1076	454	232	135	85	57	40	29	22	17
	Triple	ϕW_n	2937	1365	781	504	351	259	199	157	127	105	89
		L/240	2847	843	356	182	105	66	44	31	23	17	13

Note:

1. Table does not account for web crippling. Required bearing should be determined based on specific span conditions.