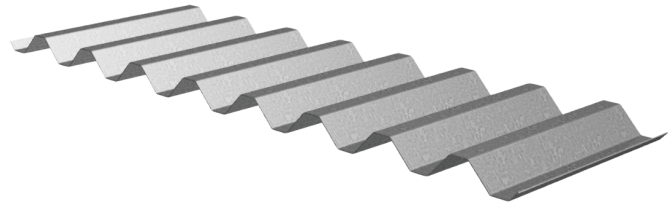
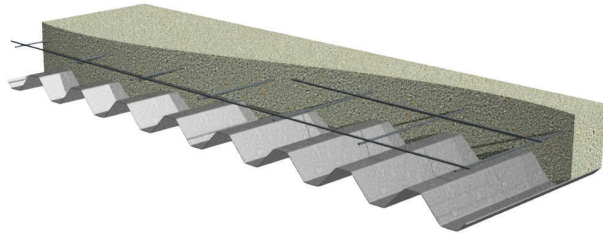
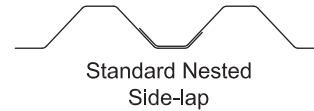
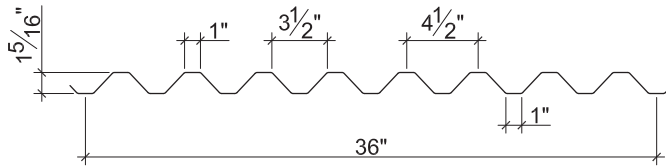


DEEP VERCOR® (DV) NON-COMPOSITE & ROOF DECK GRADE 80 STEEL

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 $I_d = (2I_e + I_g)/3$		Effective Section Modulus at $F_y = 60$ ksi		Vertical Web Shear ϕV_n (lb/ft)
				I_{d+} (in ⁴ /ft)	I_{d-} (in ⁴ /ft)	S_{e+} (in ³ /ft)	S_{e-} (in ³ /ft)	
26	1.1	0.0195	60	0.074	0.074	0.099	0.103	2340
24	1.4	0.0254	60	0.097	0.096	0.137	0.138	4353
22	1.7	0.0314	60	0.120	0.120	0.172	0.171	6641
20	2.1	0.0374	60	0.143	0.143	0.204	0.204	8087

Design Reactions at Supports Based on Web Crippling, ϕR_n (lb/ft)

Deck Gage	Bearing Length of Webs											
	One-Flange Loading						Two-Flange Loading					
	End Bearing				Interior Bearing		End Bearing				Interior Bearing	
	1 1/2"	2"	3"	4"	3"	4"	1 1/2"	2"	3"	4"	3"	4"
26	681	753	874	977	1233	1362	594	644	729	801	1446	1608
24	1115	1229	1419	1579	2033	2237	1080	1167	1312	1434	2444	2707
22	1649	1811	2082	2310	3018	3309	1717	1847	2066	2251	3686	4070
20	2273	2489	2851	3155	4171	4560	2495	2676	2980	3237	5151	5671

Standard Features

- ASTM A653 SS GR80 with G90
- Standard lengths – 6'-0" to 40'-0"
- IAPMO UES ER-2018 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 > 40'-0"
- Side-lap Venting

NOTICE: Design defects that could cause injury or death may result from relying on the information in this document without independent verification by a qualified professional. The information in this document is provided "AS IS". Nucor Corporation and its affiliates expressly disclaim: (i) any and all representations, warranties and conditions and (ii) all liability arising out of or related to this document and the information in it.