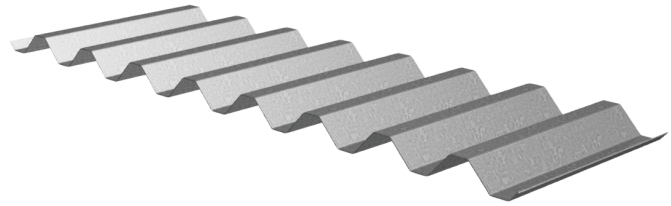
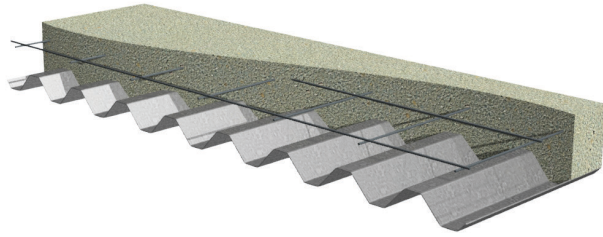
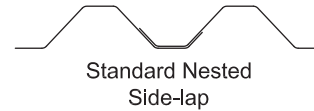
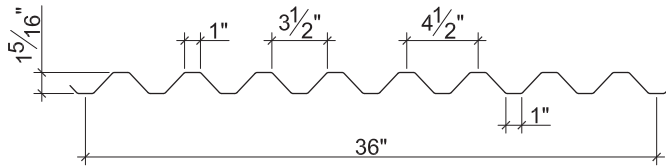


# DEEP VERCOR® (DV) NON-COMPOSITE & ROOF DECK GRADE 80 STEEL

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 $\phi V_n$ (lb/ft)
				$I_{d+}$ (in <sup>4</sup> /ft)	$I_{d-}$ (in <sup>4</sup> /ft)	$S_{e+}$ (in <sup>3</sup> /ft)	$S_{e-}$ (in <sup>3</sup> /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, $\phi R_n$ (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"
  - Alternative metallic and painted finishes
- Side-lap Venting

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