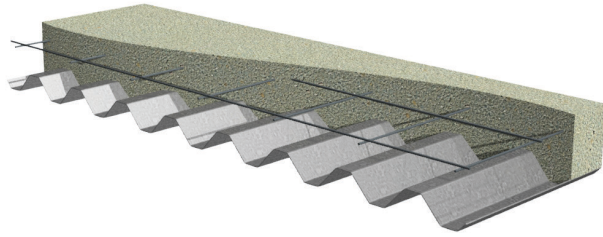
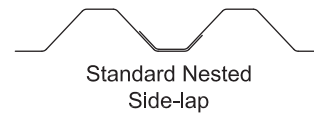
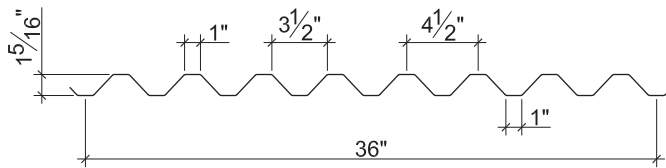


# DEEP VERCOR® (DV) NON-COMPOSITE & ROOF DECK GRADE 80 STEEL

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 $F_y = 50$ ksi		Vertical Web Shear $V_n/\Omega$ (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	1539
24	1.4	0.0254	60	0.097	0.096	0.137	0.138	2864
22	1.7	0.0314	60	0.120	0.120	0.172	0.171	4369
20	2.1	0.0374	60	0.143	0.143	0.204	0.204	5321

## Allowable Reactions at Supports Based on Web Crippling, $R_n/\Omega$ (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	445	492	571	638	829	916	388	421	477	523	972	1081
24	729	803	927	1032	1366	1504	706	763	858	938	1643	1820
22	1078	1184	1361	1510	2029	2225	1122	1207	1350	1471	2478	2736
20	1486	1627	1863	2062	2804	3066	1631	1749	1948	2116	3463	3813

## 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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