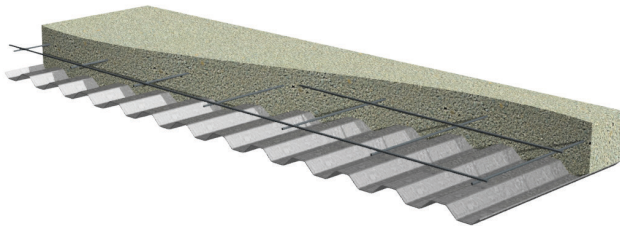
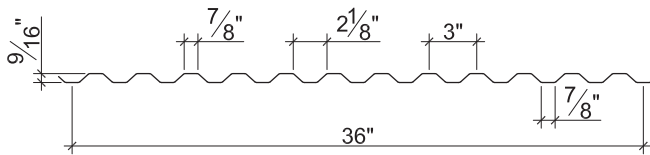


SHALLOW VERCOR® (SV) NON-COMPOSITE & ROOF DECK GRADE 80 STEEL

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/Ω (lb/ft)
				I_{d+} (in ⁴ /ft)	I_{d-} (in ⁴ /ft)	S_{e+} (in ³ /ft)	S_{e-} (in ³ /ft)	
26	1.0	0.0179	60	0.013	0.013	0.041	0.043	1492
24	1.3	0.0239	60	0.018	0.018	0.059	0.059	1988
22	1.6	0.0299	60	0.022	0.022	0.073	0.073	2482
20	1.9	0.0359	60	0.027	0.027	0.087	0.087	2974

Allowable Reactions at Supports Based on Web Crippling, R_n/Ω (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"	1 1/2"	2"	1 1/2"	2"	1 1/2"	2"
26	582	644	788	862	535	582	962	1060
24	981	1081	1375	1497	999	1080	1709	1874
22	1467	1612	2105	2283	1597	1721	2644	2889
20	2036	2230	2974	3215	2329	2500	3761	4096

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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