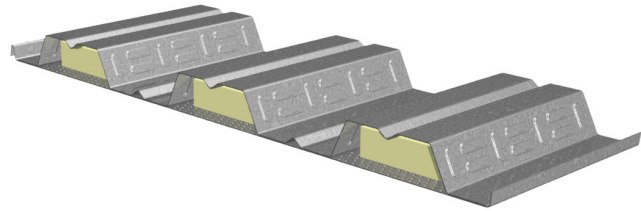


2VLPA CELLULAR ACOUSTICAL COMPOSITE DECK GRADE 50 STEEL

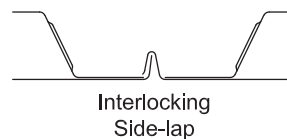
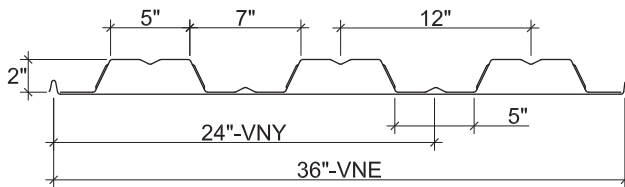
ASD

2VLP CELLULAR ACOUSTICAL COMPOSITE DECK

- 2VLPA Deck used with TSWs or BPs
- 2PLVLP Deck used with PunchLok® II System



Nominal Dimensions



Plant	Cover Width
VNY	24"
VNE	36"

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		Allowable Moment		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)	M_{n+}/Ω (lb-ft/ft)	M_{n-}/Ω (lb-ft/ft)	
20/20	3.2	0.0358/0.0358	50	0.655	0.491	0.367	0.303	916	756	2419
20/18	3.7	0.0358/0.0474	50	0.699	0.526	0.376	0.341	938	851	2419
18/20	3.8	0.0474/0.0358	50	0.834	0.634	0.543	0.432	1355	1078	3240
18/18	4.3	0.0474/0.0474	50	0.892	0.675	0.553	0.469	1380	1170	3240
18/16	4.8	0.0474/0.0598	50	0.945	0.716	0.562	0.511	1402	1275	3240
16/18	4.9	0.0598/0.0474	50	1.073	0.830	0.726	0.602	1811	1502	4069
16/16	5.4	0.0598/0.0598	50	1.137	0.877	0.737	0.643	1839	1604	4069

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	
	1½"	2"	3"	4"	4"	6"	1½"	2"	3"	4"	4"	6"
20/XX	522	571	655	726	1098	1257	554	595	663	721	1342	1550
18/XX	879	959	1092	1205	1843	2095	1013	1082	1198	1296	2292	2631
16/XX	1354	1470	1666	1830	2825	3194	1654	1759	1936	2085	3554	4059

Standard Features

- ASTM A653 SS GR50 Min., with G60
- Standard lengths – 6'-0" to 42'-0"
- IAPMO UES ER-0652 and UL Listed
- Tables conform to ANSI/SDI C-2017

Optional Features

- Inquire regarding cost and lead times for:
 - Short Cuts < 6'-0"
 - Sheet Lengths > 42'-0"
 - Alternative metallic finishes

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