



# Technical Bulletin

May 28, 2015

Verco Decking, Inc., offers PLB™-36, HSB®-36 and HSB®-36-SS, and HSB®-30-NS in FP21 - Architectural Fully Perforated Deck for use in canopy's and windscreens. Approximate open area equals 21%.

FP21 – Architectural Fully Perforated Deck – Product Designations for Drawings or Specifications

- PLB™-36-FP21, HSB®-36-FP21, HSB®-36-SS-FP21, or HSB®-30-NS-FP21

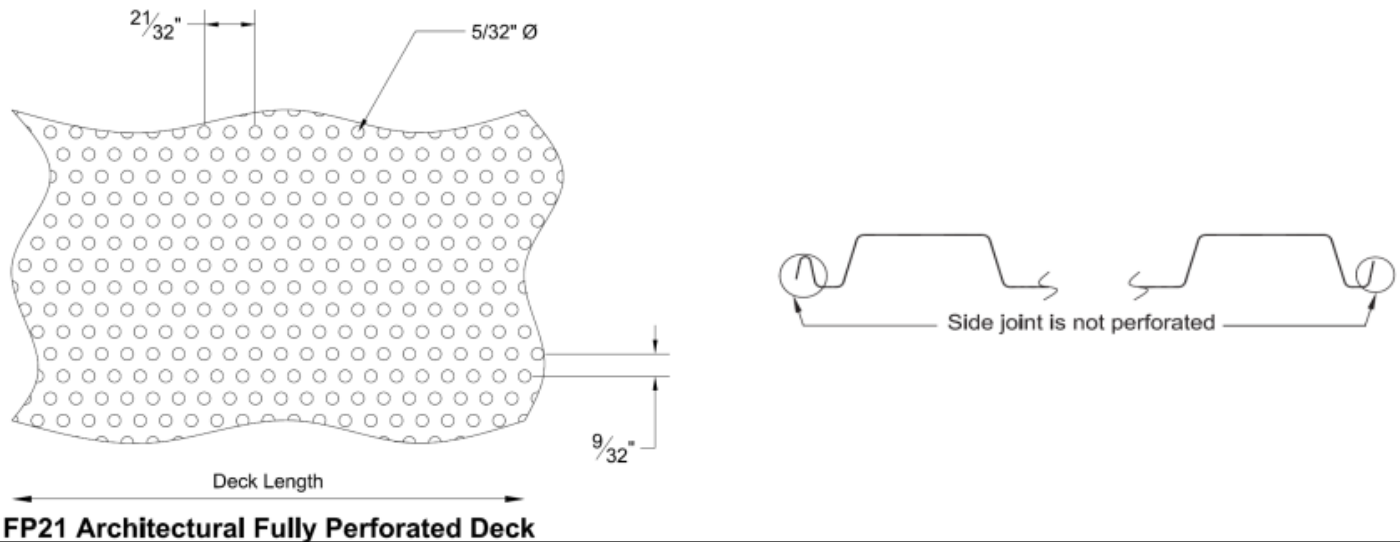
## Section Properties<sup>1</sup>

Deck Gage	Moment of Inertia					Positive Moment <sup>3</sup>		Negative Moment <sup>3</sup>	
	Gross	Effective		I <sub>d</sub> for Deflection <sup>2</sup>		+S (in. <sup>3</sup> /ft)	+M (in.-kip/ft)	-S (in. <sup>3</sup> /ft)	-M (in.-kip/ft)
	I <sub>x</sub> (in. <sup>4</sup> /ft)	+I (in. <sup>4</sup> /ft)	-I (in. <sup>4</sup> /ft)	Simple Span (in. <sup>4</sup> /ft)	Multiple Span (in. <sup>4</sup> /ft)				
22	0.193	0.104	0.106	0.133	0.135	0.079	2.4	0.085	2.5
20	0.231	0.126	0.127	0.161	0.162	0.104	3.1	0.107	3.2
18	0.306	0.168	0.168	0.214	0.214	0.142	4.3	0.150	4.5
16	0.381	0.210	0.210	0.267	0.267	0.180	5.4	0.185	5.5

1 Values based on yield strength of 50,000 psi.

2 I<sub>d</sub> is for deflection due to uniform loads.

3 S (+ or -) is the effective section modulus. M (+ or -) is the ASD allowable moment,  $M=M_n/\Omega_b$ , where  $\Omega_b=1.67$  and  $M_n$  is the nominal flexural strength. Nominal moments may be determined by multiplying the table values by  $\Omega_b$ . LRFD moments may be determined by multiplying nominal moments by  $\Phi_b=0.95$ .



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