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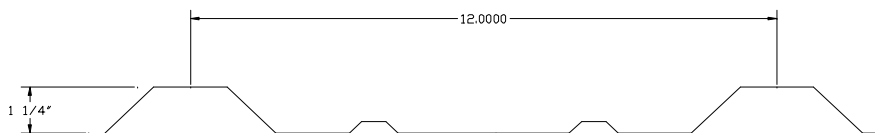
Project: WESTERN STATES DECKING

Project #: F-033106-9

## PBR Panel (24 ga, Grade 50)

### Section Properties

Gauge	Fy	Weight	Top in Compression		Bottom in Compression	
			Ix (in <sup>4</sup> /ft)	Sx (in <sup>3</sup> /ft)	Ix (in <sup>4</sup> /ft)	Sx (in <sup>3</sup> /ft)
24 ga (0.023")	50.0 ksi	1.14 psf	0.0560 in <sup>4</sup>	0.0580 in <sup>4</sup>	0.0440 in <sup>4</sup>	0.0830 in <sup>4</sup>



### Allowable Uniform Load (psf)

Span	Loading	Span "L" (ft)					
		3.0 ft	4.0 ft	5.0 ft	6.0 ft	7.0 ft	8.0 ft
Single	Static Live Load <sup>3,4</sup>	128 psf	72 psf	48 psf	31 psf	23 psf	16 psf
	Wind Uplift <sup>2</sup>	133 psf	72 psf	47 psf	33 psf	24 psf	18 psf
	Deflection (L/240)	135 psf	57 psf	28 psf	17 psf	10 psf	6 psf
Double	Static Live Load <sup>3,4</sup>	125 psf	72 psf	48 psf	32 psf	24 psf	19 psf
	Wind Uplift <sup>2</sup>	124 psf	70 psf	45 psf	31 psf	23 psf	18 psf
	Deflection (L/240)	225 psf	124 psf	63 psf	35 psf	22 psf	15 psf
Triple	Static Live Load <sup>3,4</sup>	155 psf	91 psf	58 psf	41 psf	30 psf	23 psf
	Wind Uplift <sup>2</sup>	155 psf	88 psf	56 psf	39 psf	29 psf	22 psf
	Deflection (L/240)	228 psf	97 psf	49 psf	26 psf	18 psf	12 psf

### Notes

- 1) Allowable loads based on uniform loading on equal deck spans
- 2) Wind load allowable have not been increased by 33.33%
- 3) Live load rating is equivalent to allowable snow loads
- 4) Weight of the panels has not been deducted from the allowable loads