



DEFLECTION AND SIGHTLINE REFERENCE GUIDE

1-5/16" Insulating Unit																																					
Constructed with two plies of 1/4" laminated on the outboard and a 1/4" inboard, all plies heat strengthened (HS) glass and .060" PVB interlayer																																					
Wind Load	Width (Base)	Height																																			
		24"		36"		48"		60"		72"		84"		96"		108"		120"		132"		144"		156"		168"		180"		192"		204"		216"		228"	
		Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline	Deflection	Sightline
60 psf	24"	<0.04"	7/8"	<0.04"	3/4"	0.07"	3/4"	0.04"	3/4"	0.06"	3/4"	0.05"	5/8"	0.04"	5/8"	<0.04"	5/8"	0.04"	5/8"	0.05"	5/8"	0.06"	5/8"	0.06"	5/8"	0.07"	5/8"	0.08"	5/8"	0.08"	5/8"	0.06"	5/8"	0.08"	5/8"	0.07"	5/8"
	36"	<0.04"	3/4"	0.10"	3/4"	0.17"	3/4"	0.19"	3/4"	0.23"	3/4"	0.22"	3/4"	0.21"	3/4"	0.20"	3/4"	0.19"	3/4"	0.18"	3/4"	0.15"	3/4"	0.16"	3/4"	0.18"	5/8"	0.16"	5/8"	0.25"	5/8"	0.19"	5/8"	0.13"	5/8"		
	48"	0.07"	3/4"	0.17"	3/4"	0.24"	7/8"	0.27"	3/4"	0.34"	3/4"	0.39"	3/4"	0.44"	3/4"	0.39"	3/4"	0.44"	3/4"	0.48"	3/4"	0.50"	3/4"	0.36"	3/4"	0.47"	3/4"	0.46"	3/4"	0.52"	3/4"	0.48"	3/4"	0.46"	3/4"	0.51"	3/4"
	60"	0.04"	3/4"	0.19"	3/4"	0.27"	3/4"	0.38"	7/8"	0.44"	7/8"	0.50"	7/8"	0.57"	7/8"	0.65"	7/8"	0.73"	7/8"	0.73"	7/8"	0.73"	7/8"	0.83"	7/8"	0.91"	7/8"	0.97"	7/8"	0.76"	7/8"	0.91"	7/8"	0.87"	7/8"	0.96"	7/8"
	72"	0.06"	3/4"	0.23"	3/4"	0.34"	3/4"	0.44"	7/8"	0.54"	1"	0.60"	1"	0.71"	1"	0.81"	1"	0.89"	1"	0.99"	1"	1.09"	1"	1.12"	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"
	84"	0.05"	5/8"	0.22"	3/4"	0.39"	3/4"	0.50"	7/8"	0.60"	1"	0.75"	1"	0.85"	1"	0.96"	1"	1.07"	1"	1.18"	1"	1.30"	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"
	96"	0.04"	5/8"	0.22"	3/4"	0.44"	3/4"	0.57"	7/8"	0.71"	1"	0.85"	1"	0.99"	1-1/8"	1.10"	1-1/8"	1.23"	1-1/8"	1.37"	1-1/8"	1.50"	1-1/8"	FT req.	1-1/8"	FT req.	1-1/8"	FT req.	1-1/8"	FT req.	1-1/8"	FT req.	1-1/8"	FT req.	1-1/8"	FT req.	1-1/8"
	108"	<0.04"	5/8"	0.21"	3/4"	0.39"	3/4"	0.65"	7/8"	0.81"	1"	0.96"	1"	1.10"	1-1/8"	1.26"	1-1/4"	1.40"	1-1/4"	1.63"	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"
	120"	0.04"	5/8"	0.20"	3/4"	0.40"	3/4"	0.73"	7/8"	0.89"	1"	1.07"	1"	1.23"	1-1/8"	1.40"	1-1/4"	1.56"	1-3/8"	FT req.	1-3/8"	FT req.	1-3/8"	FT req.	1-3/8"	FT req.	1-3/8"	FT req.	1-3/8"	FT req.	1-3/8"	FT req.	1-3/8"	FT req.	1-3/8"	FT req.	1-3/8"
132"	0.05"	5/8"	0.19"	3/4"	0.48"	3/4"	0.73"	7/8"	0.99"	1"	1.18"	1"	1.37"	1-1/8"	1.63"	1-1/4"	FT req.	1-3/8"	FT req.	1-1/2"	FT req.	1-1/2"	FT req.	1-1/2"	FT req.	1-1/2"	FT req.	1-1/2"	FT req.	1-1/2"	FT req.	1-1/2"	FT req.	1-1/2"	FT req.	1-1/2"	
50 psf	24"	<0.04"	7/8"	<0.04"	3/4"	0.06"	3/4"	<0.04"	5/8"	0.05"	5/8"	0.04"	5/8"	<0.04"	5/8"	<0.04"	5/8"	<0.04"	5/8"	0.04"	5/8"	0.05"	5/8"	0.05"	5/8"	0.06"	5/8"	0.07"	5/8"	0.06"	5/8"	0.05"	5/8"	0.06"	5/8"	0.06"	5/8"
	36"	<0.04"	3/4"	0.09"	3/4"	0.13"	3/4"	0.18"	5/8"	0.21"	5/8"	0.15"	5/8"	0.18"	5/8"	0.19"	5/8"	0.15"	5/8"	0.17"	5/8"	0.16"	5/8"	0.13"	5/8"	0.14"	5/8"	0.15"	5/8"	0.11"	5/8"	0.19"	5/8"	0.13"	5/8"	0.21"	5/8"
	48"	0.06"	3/4"	0.13"	3/4"	0.22"	3/4"	0.25"	3/4"	0.30"	3/4"	0.35"	3/4"	0.40"	3/4"	0.37"	3/4"	0.39"	3/4"	0.44"	3/4"	0.37"	3/4"	0.44"	3/4"	0.43"	3/4"	0.43"	3/4"	0.47"	3/4"	0.40"	3/4"	0.46"	3/4"	0.44"	3/4"
	60"	<0.04"	5/8"	0.18"	5/8"	0.25"	3/4"	0.35"	3/4"	0.39"	3/4"	0.46"	3/4"	0.51"	3/4"	0.58"	3/4"	0.65"	3/4"	0.57"	3/4"	0.70"	3/4"	0.70"	3/4"	0.79"	3/4"	0.85"	3/4"	0.84"	3/4"	0.76"	3/4"	0.73"	3/4"	0.83"	3/4"
	72"	0.05"	5/8"	0.21"	5/8"	0.30"	3/4"	0.39"	3/4"	0.49"	7/8"	0.55"	7/8"	0.65"	7/8"	0.72"	7/8"	0.81"	7/8"	0.90"	7/8"	0.99"	7/8"	1.00"	7/8"	1.10"	7/8"	1.12"	7/8"	1.19"	7/8"	1.29"	7/8"	FT req.	7/8"	FT req.	7/8"
	84"	0.04"	5/8"	0.15"	5/8"	0.35"	3/4"	0.46"	3/4"	0.55"	7/8"	0.68"	1"	0.75"	1"	0.86"	1"	0.97"	1"	1.07"	1"	1.18"	1"	1.28"	1"	1.39"	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"
	96"	<0.04"	5/8"	0.18"	5/8"	0.40"	3/4"	0.51"	3/4"	0.65"	7/8"	0.75"	1"	0.90"	1"	1.00"	1"	1.12"	1"	1.24"	1"	1.36"	1"	1.48"	1"	1.70"	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"
	108"	<0.04"	5/8"	0.19"	5/8"	0.37"	3/4"	0.58"	3/4"	0.72"	7/8"	0.86"	1"	1.00"	1"	1.15"	1-1/8"	1.27"	1-1/8"	1.41"	1-1/8"	1.55"	1-1/8"	1.76"	1-1/8"	FT req.	1-1/8"	FT req.	1-1/8"	FT req.	1-1/8"	FT req.	1-1/8"	FT req.	1-1/8"	FT req.	1-1/8"
	120"	<0.04"	5/8"	0.15"	5/8"	0.37"	3/4"	0.65"	3/4"	0.81"	7/8"	0.97"	1"	1.12"	1"	1.27"	1-1/8"	1.42"	1-1/4"	1.57"	1-1/4"	1.80"	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"
132"	0.04"	5/8"	0.17"	5/8"	0.39"	3/4"	0.57"	3/4"	0.90"	7/8"	1.07"	1"	1.24"	1"	1.41"	1-1/8"	1.57"	1-1/4"	1.73"	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	
40 psf	24"	<0.04"	7/8"	<0.04"	3/4"	0.04"	5/8"	<0.04"	5/8"	0.04"	5/8"	<0.04"	5/8"	<0.04"	5/8"	<0.04"	5/8"	<0.04"	5/8"	<0.04"	5/8"	0.04"	5/8"	0.05"	5/8"	0.06"	5/8"	0.05"	5/8"	0.06"	5/8"	0.05"	5/8"	0.05"	5/8"	0.05"	5/8"
	36"	<0.04"	3/4"	0.07"	3/4"	0.10"	5/8"	0.16"	5/8"	0.18"	5/8"	0.17"	5/8"	0.14"	5/8"	0.16"	5/8"	0.13"	5/8"	0.14"	5/8"	0.13"	5/8"	0.12"	5/8"	0.12"	5/8"	0.12"	5/8"	0.08"	5/8"	0.15"	5/8"	0.10"	5/8"	0.17"	5/8"
	48"	0.04"	5/8"	0.10"	5/8"	0.19"	5/8"	0.21"	5/8"	0.26"	5/8"	0.31"	5/8"	0.35"	5/8"	0.36"	5/8"	0.34"	5/8"	0.37"	5/8"	0.25"	5/8"	0.34"	5/8"	0.35"	5/8"	0.40"	5/8"	0.34"	5/8"	0.39"	5/8"	0.38"	5/8"	0.38"	5/8"
	60"	<0.04"	5/8"	0.16"	5/8"	0.21"	5/8"	0.31"	3/4"	0.35"	3/4"	0.39"	3/4"	0.46"	3/4"	0.51"	3/4"	0.58"	3/4"	0.57"	3/4"	0.56"	3/4"	0.66"	3/4"	0.67"	3/4"	0.72"	3/4"	0.71"	3/4"	0.64"	3/4"	0.73"	3/4"	0.71"	3/4"
	72"	0.04"	5/8"	0.18"	5/8"	0.26"	5/8"	0.35"	3/4"	0.45"	3/4"	0.49"	3/4"	0.56"	3/4"	0.65"	3/4"	0.71"	3/4"	0.80"	3/4"	0.87"	3/4"	0.87"	3/4"	0.85"	3/4"	0.97"	3/4"	1.02"	3/4"	1.11"	3/4"	1.15"	3/4"	1.17"	3/4"
	84"	<0.04"	5/8"	0.17"	5/8"	0.31"	5/8"	0.39"	3/4"	0.49"	3/4"	0.61"	7/8"	0.68"	7/8"	0.75"	7/8"	0.85"	7/8"	0.95"	7/8"	1.03"	7/8"	1.13"	7/8"	1.23"	7/8"	1.28"	7/8"	1.24"	7/8"	1.42"	7/8"	1.44"	7/8"	FT req.	7/8"
	96"	<0.04"	5/8"	0.14"	5/8"	0.35"	5/8"	0.46"	3/4"	0.56"	3/4"	0.68"	7/8"	0.81"	7/8"	0.88"	7/8"	0.99"	7/8"	1.10"	7/8"	1.21"	7/8"	1.31"	7/8"	1.51"	7/8"	1.62"	7/8"	1.74"	7/8"	1.71"	7/8"	FT req.	7/8"	FT req.	7/8"
	108"	<0.04"	5/8"	0.16"	5/8"	0.36"	5/8"	0.51"	3/4"	0.65"	3/4"	0.75"	7/8"	0.88"	7/8"	1.02"	1"	1.12"	1"	1.25"	1"	1.37"	1"	1.57"	1"	1.71"	1"	1.83"	1"	1.96"	1"	FT req.	1"	FT req.	1"	FT req.	1"
	120"	<0.04"	5/8"	0.13"	5/8"	0.34"	5/8"	0.58"	3/4"	0.71"	3/4"	0.85"	7/8"	0.99"	7/8"	1.12"	1"	1.27"	1"	1.40"	1"	1.62"	1"	1.74"	1"	1.90"	1"	2.01"	1"	2.17"	1"	FT req.	1"	FT req.	1"	FT req.	1"
132"	<0.04"	5/8"	0.14"	5/8"	0.34"	5/8"	0.57"	3/4"	0.80"	3/4"	0.95"	7/8"	1.10"	7/8"	1.25"	1"	1.40"	1"	1.54"	1-1/8"	1.76"	1-1/8"	1.94"	1-1/8"	2.07"	1-1/8"	2.18"	1-1/8"	FT req.	1-1/8"	FT req.	1-1/8"	FT req.	1-1/8"	FT req.	1-1/8"	
30 psf	24"	<0.04"	7/8"	<0.04"	5/8"	<0.04"	5/8"	<0.04"	5/8"	<0.04"	5/8"	<0.04"	1/2"	<0.04"	1/2"	<0.04"	1/2"	<0.04"	1/2"	<0.04"	1/2"	<0.04"	1/2"	<0.04"	1/2"	0.04"	1/2"	0.04"	1/2"	<0.04"	1/2"	0.04"	1/2"	<0.04"	1/2"		
	36"	<0.04"	5/8"	0.05"	5/8"	0.08"	5/8"	0.12"	1/2"	0.16"	1/2"	0.11"	1/2"	0.13"	1/2"	0.11"	1/2"	0.09"	1/2"	0.10"	1/2"	0.09"	1/2"	0.10"	1/2"	0.09"	1/2"	0.08"	1/2"	0.14"	1/2"	0.10"	1/2"	0.16"	1/2"		
	48"	<0.04"	5/8"	0.08"	5/8"	0.16"	5/8"	0.19"	5/8"	0.24"	5/8"	0.26"	5/8"	0.30"	1/2"	0.25"	1/2"	0.30"	1/2"	0.30"	1/2"	0.30"	1/2"	0.23"	1/2"	0.23"	1/2"	0.23"	1/2"	0.33"	1/2"	0.29"	1/2"	0.32"	1/2"	0.32"	1/2"
	60"	<0.04"	5/8"	0.12"	1/2"	0.19"	5/8"	0.27"	5/8"	0.30"	5/8"	0.35"	5/8"	0.39"	5/8"	0.44"	5/8"	0.49"	5/8"	0.40"	5/8"	0.42"	5/8"	0.52"	5/8"	0.54"	5/8"	0.58"	5/8"	0.46"	5/8"	0.55"	5/8"	0.53"	5/8"	0.59"	5/8"
	72"	<0.04"	5/8"	0.16"	1/2"	0.24"	5/8"	0.30"	5/8"	0.39"	5/8"	0.44"	5/8"	0.48"	5/8"	0.54"	5/8"	0.61"	5/8"	0.68"	5/8"	0.74"	5/8"	0.73"	5/8"	0.72"	5/8"	0.83"	5/8"	0.86"	5/8"	0.88"	5/8"	0.95"	5/8"	0.76"	5/8"
	84"	<0.04"	5/8"	0.11"	1/2"	0.26"	5/8"	0.35"	5/8"	0.44"	5/8"	0.52"	3/4"	0.57"	3/4"	0.66"	3/4"	0.73"	3/4"	0.81"	3/4"	0.88"	3/4"	0.97"	3/4"	1.05"	3/4"	1.12"	3/4"	1.06"	3/4"	1.22"	3/4"	1.21"	3/4"	1.33"	3/4"
	96"	<0.04"	1/2"	0.14"	1/2"	0.30"	1/2"	0.39"	5/8"	0.48"	5/8"	0.57"	3/4"	0.69"	3/4"	0.75"	3/4"	0.85"	3/4"	0.95"	3/4"	1.02"	3/4"	1.12"	3/4"	1.29"	3/4"	1.39"	3/4"</								