



DEFLECTION AND SIGHTLINE REFERENCE GUIDE

1-5/8" Insulating Unit																																					
Constructed with two plies of 1/4" laminated on the outboard and two plies of 1/4" laminated on the inboard, all plies fully tempered (FT) 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		
60 psf	24"	<0.04"	1"	<0.04"	3/4"	<0.04"	3/4"	<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"	0.05"	5/8"	0.05"	5/8"	0.05"	5/8"	<0.04"	5/8"	0.05"	5/8"		
	36"	<0.04"	3/4"	0.06"	3/4"	0.08"	5/8"	0.13"	5/8"	0.17"	5/8"	0.11"	5/8"	0.14"	5/8"	0.14"	5/8"	0.10"	5/8"	0.11"	5/8"	0.11"	5/8"	0.10"	5/8"	0.10"	5/8"	0.12"	5/8"	0.13"	5/8"	0.17"	5/8"	0.13"	5/8"		
	48"	<0.04"	3/4"	0.08"	5/8"	0.18"	3/4"	0.20"	5/8"	0.24"	5/8"	0.28"	5/8"	0.32"	5/8"	0.31"	5/8"	0.32"	5/8"	0.31"	5/8"	0.32"	5/8"	0.24"	5/8"	0.30"	5/8"	0.36"	5/8"	0.28"	5/8"	0.33"	5/8"	0.33"	5/8"		
	60"	<0.04"	3/4"	0.13"	5/8"	0.20"	5/8"	0.28"	3/4"	0.31"	5/8"	0.36"	5/8"	0.42"	5/8"	0.46"	5/8"	0.51"	5/8"	0.41"	5/8"	0.54"	5/8"	0.54"	5/8"	0.57"	5/8"	0.62"	5/8"	0.48"	5/8"	0.54"	5/8"	0.62"	5/8"		
	72"	<0.04"	5/8"	0.17"	5/8"	0.24"	5/8"	0.31"	5/8"	0.41"	3/4"	0.46"	3/4"	0.51"	3/4"	0.57"	3/4"	0.65"	3/4"	0.71"	3/4"	0.78"	3/4"	0.73"	3/4"	0.85"	3/4"	0.84"	3/4"	0.88"	3/4"	0.97"	3/4"	1.01"	3/4"		
	84"	<0.04"	5/8"	0.11"	5/8"	0.28"	5/8"	0.36"	5/8"	0.46"	3/4"	0.55"	3/4"	0.59"	3/4"	0.69"	3/4"	0.76"	3/4"	0.85"	3/4"	0.94"	3/4"	1.02"	3/4"	1.10"	3/4"	1.09"	3/4"	1.26"	3/4"	1.23"	3/4"	1.37"	3/4"		
	96"	<0.04"	5/8"	0.14"	5/8"	0.32"	5/8"	0.42"	5/8"	0.51"	3/4"	0.59"	3/4"	0.73"	7/8"	0.82"	7/8"	0.89"	7/8"	0.99"	7/8"	1.09"	7/8"	1.19"	7/8"	1.36"	7/8"	1.46"	7/8"	1.57"	7/8"	1.47"	7/8"	1.68"	7/8"		
	108"	<0.04"	5/8"	0.14"	5/8"	0.31"	5/8"	0.46"	5/8"	0.57"	3/4"	0.69"	3/4"	0.82"	7/8"	0.93"	7/8"	1.01"	7/8"	1.12"	7/8"	1.23"	7/8"	1.43"	7/8"	1.54"	7/8"	1.66"	7/8"	1.77"	7/8"	1.89"	7/8"	2.00"	7/8"		
	120"	<0.04"	5/8"	0.10"	5/8"	0.32"	5/8"	0.51"	5/8"	0.65"	3/4"	0.76"	3/4"	0.89"	7/8"	1.01"	7/8"	1.15"	1"	1.26"	1"	1.47"	1"	1.59"	1"	1.73"	1"	1.84"	1"	1.95"	1"	2.09"	1"	2.20"	1"		
132"	<0.04"	5/8"	0.11"	5/8"	0.31"	5/8"	0.41"	5/8"	0.71"	3/4"	0.85"	3/4"	0.99"	7/8"	1.12"	7/8"	1.26"	1"	1.40"	1"	1.62"	1"	1.74"	1"	1.89"	1"	2.01"	1"	2.17"	1"	2.28"	1"	>2.36"	1"			
50 psf	24"	<0.04"	1"	<0.04"	3/4"	<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"	<0.04"	5/8"	<0.04"	5/8"	<0.04"	5/8"	<0.04"	5/8"		
	36"	<0.04"	3/4"	0.05"	3/4"	0.07"	5/8"	0.11"	5/8"	0.15"	5/8"	0.11"	5/8"	0.10"	5/8"	0.12"	1/2"	0.07"	1/2"	0.09"	1/2"	0.09"	1/2"	0.08"	1/2"	0.09"	1/2"	0.10"	1/2"	0.11"	1/2"	0.13"	1/2"	0.09"	1/2"		
	48"	<0.04"	3/4"	0.07"	5/8"	0.15"	5/8"	0.18"	5/8"	0.21"	5/8"	0.25"	5/8"	0.29"	5/8"	0.26"	5/8"	0.29"	5/8"	0.28"	5/8"	0.28"	5/8"	0.23"	5/8"	0.23"	5/8"	0.32"	5/8"	0.30"	5/8"	0.28"	5/8"	0.31"	1/2"		
	60"	<0.04"	5/8"	0.11"	5/8"	0.18"	5/8"	0.25"	5/8"	0.27"	5/8"	0.34"	5/8"	0.38"	5/8"	0.42"	5/8"	0.46"	5/8"	0.39"	5/8"	0.40"	5/8"	0.51"	5/8"	0.51"	5/8"	0.54"	5/8"	0.52"	5/8"	0.57"	5/8"	0.53"	5/8"		
	72"	<0.04"	5/8"	0.15"	5/8"	0.21"	5/8"	0.27"	5/8"	0.37"	5/8"	0.40"	5/8"	0.47"	5/8"	0.52"	5/8"	0.58"	5/8"	0.65"	5/8"	0.71"	5/8"	0.74"	5/8"	0.71"	5/8"	0.72"	5/8"	0.85"	5/8"	0.85"	5/8"	0.90"	5/8"		
	84"	<0.04"	5/8"	0.11"	5/8"	0.25"	5/8"	0.34"	5/8"	0.40"	5/8"	0.50"	3/4"	0.54"	3/4"	0.64"	3/4"	0.70"	3/4"	0.76"	3/4"	0.85"	3/4"	0.92"	3/4"	1.00"	3/4"	0.91"	3/4"	1.08"	3/4"	1.05"	3/4"	1.19"	3/4"		
	96"	<0.04"	5/8"	0.10"	5/8"	0.29"	5/8"	0.38"	5/8"	0.47"	5/8"	0.54"	3/4"	0.66"	3/4"	0.72"	3/4"	0.82"	3/4"	0.89"	3/4"	0.98"	3/4"	1.07"	3/4"	1.23"	3/4"	1.32"	3/4"	1.42"	3/4"	1.24"	3/4"	1.45"	3/4"		
	108"	<0.04"	5/8"	0.12"	5/8"	0.26"	5/8"	0.42"	5/8"	0.52"	5/8"	0.64"	3/4"	0.72"	3/4"	0.85"	7/8"	0.91"	3/4"	1.01"	3/4"	1.12"	3/4"	1.29"	3/4"	1.40"	3/4"	1.51"	3/4"	1.61"	3/4"	1.72"	3/4"	1.83"	3/4"		
	120"	<0.04"	5/8"	0.07"	1/2"	0.27"	5/8"	0.46"	5/8"	0.58"	5/8"	0.70"	3/4"	0.82"	3/4"	0.91"	3/4"	1.05"	7/8"	1.14"	7/8"	1.33"	7/8"	1.45"	7/8"	1.56"	7/8"	1.68"	7/8"	1.79"	7/8"	1.92"	7/8"	2.02"	7/8"		
132"	<0.04"	5/8"	0.09"	1/2"	0.28"	5/8"	0.39"	5/8"	0.65"	5/8"	0.76"	3/4"	0.89"	3/4"	1.01"	3/4"	1.14"	7/8"	1.28"	7/8"	1.47"	7/8"	1.60"	7/8"	1.74"	7/8"	1.85"	7/8"	1.95"	7/8"	2.09"	7/8"	2.20"	7/8"			
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"	<0.04"	5/8"	<0.04"	5/8"	<0.04"	5/8"	<0.04"	5/8"	<0.04"	5/8"	<0.04"	5/8"		
	36"	<0.04"	3/4"	<0.04"	3/4"	0.06"	5/8"	0.09"	5/8"	0.13"	1/2"	0.12"	1/2"	0.10"	1/2"	0.10"	1/2"	0.08"	1/2"	0.07"	1/2"	0.08"	1/2"	0.07"	1/2"	0.07"	1/2"	0.08"	1/2"	0.09"	1/2"	0.10"	1/2"	0.07"	1/2"		
	48"	<0.04"	5/8"	0.06"	5/8"	0.12"	5/8"	0.17"	5/8"	0.19"	1/2"	0.23"	1/2"	0.25"	1/2"	0.21"	1/2"	0.24"	1/2"	0.24"	1/2"	0.21"	1/2"	0.20"	1/2"	0.20"	1/2"	0.27"	1/2"	0.26"	1/2"	0.24"	1/2"	0.27"	1/2"		
	60"	<0.04"	5/8"	0.09"	5/8"	0.17"	5/8"	0.23"	5/8"	0.25"	5/8"	0.30"	5/8"	0.34"	1/2"	0.38"	1/2"	0.41"	1/2"	0.38"	1/2"	0.38"	1/2"	0.39"	1/2"	0.42"	1/2"	0.46"	1/2"	0.37"	1/2"	0.48"	1/2"	0.45"	1/2"		
	72"	<0.04"	5/8"	0.13"	1/2"	0.19"	1/2"	0.25"	5/8"	0.33"	5/8"	0.36"	5/8"	0.43"	5/8"	0.46"	5/8"	0.51"	5/8"	0.56"	5/8"	0.62"	5/8"	0.58"	5/8"	0.57"	5/8"	0.68"	5/8"	0.73"	5/8"	0.73"	5/8"	0.77"	5/8"		
	84"	<0.04"	5/8"	0.12"	1/2"	0.23"	1/2"	0.30"	5/8"	0.36"	5/8"	0.45"	5/8"	0.49"	5/8"	0.54"	5/8"	0.61"	5/8"	0.68"	5/8"	0.74"	5/8"	0.81"	5/8"	0.88"	5/8"	0.77"	5/8"	0.93"	5/8"	0.89"	5/8"	1.02"	5/8"		
	96"	<0.04"	5/8"	0.10"	1/2"	0.25"	1/2"	0.34"	1/2"	0.43"	5/8"	0.49"	5/8"	0.59"	5/8"	0.66"	5/8"	0.71"	5/8"	0.81"	5/8"	0.87"	5/8"	0.95"	5/8"	1.09"	5/8"	1.17"	5/8"	1.25"	5/8"	1.30"	5/8"	1.25"	5/8"		
	108"	<0.04"	5/8"	0.10"	1/2"	0.21"	1/2"	0.38"	1/2"	0.46"	5/8"	0.54"	5/8"	0.66"	5/8"	0.75"	3/4"	0.83"	3/4"	0.90"	3/4"	0.99"	3/4"	1.14"	3/4"	1.24"	3/4"	1.33"	3/4"	1.43"	3/4"	1.53"	3/4"	1.62"	3/4"		
	120"	<0.04"	5/8"	0.08"	1/2"	0.24"	1/2"	0.41"	1/2"	0.51"	5/8"	0.61"	5/8"	0.71"	5/8"	0.83"	3/4"	0.94"	3/4"	1.01"	3/4"	1.17"	3/4"	1.29"	3/4"	1.39"	3/4"	1.50"	3/4"	1.60"	3/4"	1.71"	3/4"	1.81"	3/4"		
132"	<0.04"	5/8"	0.07"	1/2"	0.24"	1/2"	0.38"	1/2"	0.56"	5/8"	0.68"	5/8"	0.81"	5/8"	0.90"	3/4"	1.01"	3/4"	1.14"	3/4"	1.31"	3/4"	1.43"	3/4"	1.53"	3/4"	1.65"	3/4"	1.76"	3/4"	1.88"	3/4"	1.98"	3/4"			
30 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"	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"	3/4"	<0.04"	5/8"	0.04"	1/2"	0.07"	1/2"	0.09"	1/2"	0.05"	1/2"	0.09"	1/2"	0.08"	1/2"	0.05"	1/2"	0.07"	1/2"	0.06"	1/2"	0.06"	1/2"	0.05"	1/2"	0.06"	1/2"	0.07"	1/2"	0.09"	1/2"	0.07"	1/2"		
	48"	<0.04"	5/8"	0.04"	1/2"	0.09"	1/2"	0.12"	1/2"	0.17"	1/2"	0.19"	1/2"	0.22"	1/2"	0.16"	1/2"	0.20"	1/2"	0.17"	1/2"	0.19"	1/2"	0.16"	1/2"	0.18"	1/2"	0.22"	1/2"	0.22"	1/2"	0.21"	1/2"	0.22"	1/2"		
	60"	<0.04"	5/8"	0.07"	1/2"	0.12"	1/2"	0.19"	1/2"	0.21"	1/2"	0.25"	1/2"	0.29"	1/2"	0.32"	1/2"	0.36"	1/2"	0.24"	1/2"	0.35"	1/2"	0.34"	1/2"	0.35"	1/2"										