



# DEFLECTION AND SIGHTLINE REFERENCE GUIDE

1-1/8" Insulating Unit																																							
Constructed with two plies of 5/16" fully tempered (FT) glass																																							
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"	0.00"	1"	0.00"	3/4"	0.02"	3/4"	0.03"	5/8"	0.03"	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"	0.11"	5/8"	0.12"	5/8"	0.14"	5/8"				
	36"	0.00"	3/4"	0.06"	3/4"	0.09"	5/8"	0.13"	5/8"	0.16"	5/8"	0.18"	5/8"	0.19"	5/8"	0.20"	5/8"	0.20"	5/8"	0.20"	5/8"	0.20"	5/8"	0.19"	5/8"	0.19"	5/8"	0.19"	5/8"	0.20"	5/8"	0.25"	5/8"	0.28"	5/8"	0.31"	5/8"		
	48"	0.02"	3/4"	0.09"	5/8"	0.19"	5/8"	0.26"	5/8"	0.32"	5/8"	0.38"	5/8"	0.43"	5/8"	0.47"	5/8"	0.50"	5/8"	0.52"	5/8"	0.54"	5/8"	0.56"	5/8"	0.56"	5/8"	0.57"	5/8"	0.58"	5/8"	0.59"	5/8"	0.53"	5/8"	0.50"	5/8"	0.59"	5/8"
	60"	0.03"	5/8"	0.13"	5/8"	0.26"	5/8"	0.37"	3/4"	0.47"	5/8"	0.56"	5/8"	0.65"	5/8"	0.73"	5/8"	0.80"	5/8"	0.87"	5/8"	0.93"	5/8"	0.99"	5/8"	1.05"	5/8"	1.10"	5/8"	1.15"	5/8"	1.13"	5/8"	1.13"	5/8"	1.26"	5/8"		
	72"	0.03"	5/8"	0.16"	5/8"	0.32"	5/8"	0.47"	5/8"	0.59"	3/4"	0.71"	3/4"	0.82"	3/4"	0.93"	3/4"	1.04"	3/4"	1.15"	3/4"	1.25"	3/4"	1.35"	3/4"	1.45"	3/4"	1.55"	3/4"	1.65"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"		
	84"	0.04"	5/8"	0.18"	5/8"	0.38"	5/8"	0.56"	5/8"	0.71"	3/4"	0.82"	3/4"	0.96"	3/4"	1.10"	3/4"	1.23"	3/4"	1.36"	3/4"	1.49"	3/4"	1.62"	3/4"	1.76"	3/4"	1.89"	3/4"	2.04"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"		
	96"	0.04"	5/8"	0.19"	5/8"	0.43"	5/8"	0.65"	5/8"	0.82"	3/4"	0.96"	3/4"	1.08"	7/8"	1.23"	7/8"	1.38"	7/8"	1.53"	7/8"	1.68"	7/8"	1.83"	7/8"	1.99"	7/8"	2.15"	7/8"	2.31"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"		
	108"	0.04"	5/8"	0.20"	5/8"	0.47"	5/8"	0.73"	5/8"	0.93"	3/4"	1.10"	3/4"	1.23"	3/4"	1.34"	7/8"	1.50"	7/8"	1.67"	7/8"	1.83"	7/8"	1.99"	7/8"	2.16"	7/8"	2.34"	7/8"	2.52"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"		
	120"	0.04"	5/8"	0.20"	5/8"	0.50"	5/8"	0.80"	5/8"	1.04"	3/4"	1.23"	3/4"	1.38"	7/8"	1.50"	7/8"	1.61"	1"	1.78"	1"	1.96"	1"	2.13"	1"	2.31"	1"	2.49"	1"	2.67"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"		
132"	0.04"	5/8"	0.20"	5/8"	0.52"	5/8"	0.87"	5/8"	1.15"	3/4"	1.36"	3/4"	1.53"	7/8"	1.67"	7/8"	1.78"	1"	1.89"	1"	2.07"	1"	2.25"	1"	2.43"	1"	2.62"	1"	2.81"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"			
50 psf	24"	0.00"	7/8"	0.00"	3/4"	0.01"	5/8"	0.02"	5/8"	0.03"	5/8"	0.03"	5/8"	0.03"	5/8"	0.03"	5/8"	0.03"	5/8"	0.03"	5/8"	0.03"	5/8"	0.03"	5/8"	0.03"	5/8"	0.03"	5/8"	0.03"	5/8"	0.09"	5/8"	0.10"	5/8"	0.11"	5/8"		
	36"	0.00"	3/4"	0.05"	3/4"	0.08"	5/8"	0.11"	5/8"	0.13"	5/8"	0.15"	1/2"	0.16"	1/2"	0.17"	1/2"	0.16"	1/2"	0.16"	1/2"	0.16"	1/2"	0.16"	1/2"	0.16"	1/2"	0.16"	1/2"	0.16"	1/2"	0.21"	1/2"	0.23"	1/2"	0.26"	1/2"		
	48"	0.01"	5/8"	0.08"	5/8"	0.17"	5/8"	0.22"	5/8"	0.28"	5/8"	0.33"	5/8"	0.37"	5/8"	0.41"	5/8"	0.43"	5/8"	0.45"	5/8"	0.47"	5/8"	0.48"	5/8"	0.49"	5/8"	0.49"	5/8"	0.50"	1/2"	0.50"	1/2"	0.41"	1/2"	0.50"	1/2"	0.48"	1/2"
	60"	0.02"	5/8"	0.11"	5/8"	0.22"	5/8"	0.33"	5/8"	0.42"	5/8"	0.50"	5/8"	0.57"	5/8"	0.65"	5/8"	0.71"	5/8"	0.77"	5/8"	0.82"	5/8"	0.87"	5/8"	0.91"	5/8"	0.96"	5/8"	1.00"	5/8"	0.93"	5/8"	1.06"	5/8"	1.07"	5/8"		
	72"	0.03"	5/8"	0.13"	5/8"	0.28"	5/8"	0.42"	5/8"	0.53"	5/8"	0.64"	5/8"	0.74"	5/8"	0.84"	5/8"	0.94"	5/8"	1.03"	5/8"	1.12"	5/8"	1.21"	5/8"	1.30"	5/8"	1.38"	5/8"	1.47"	5/8"	1.53"	5/8"	>1.57"	5/8"	1.43"	5/8"		
	84"	0.03"	5/8"	0.15"	1/2"	0.33"	5/8"	0.50"	5/8"	0.64"	5/8"	0.75"	3/4"	0.87"	3/4"	1.00"	3/4"	1.12"	3/4"	1.24"	3/4"	1.36"	3/4"	1.48"	3/4"	1.59"	3/4"	1.71"	3/4"	1.84"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"		
	96"	0.03"	5/8"	0.16"	1/2"	0.37"	5/8"	0.57"	5/8"	0.74"	5/8"	0.87"	3/4"	0.98"	3/4"	1.12"	3/4"	1.26"	3/4"	1.40"	3/4"	1.54"	3/4"	1.68"	3/4"	1.82"	3/4"	1.96"	3/4"	2.11"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"		
	108"	0.03"	5/8"	0.16"	1/2"	0.41"	5/8"	0.65"	5/8"	0.84"	5/8"	1.00"	3/4"	1.12"	3/4"	1.23"	3/4"	1.38"	3/4"	1.54"	3/4"	1.69"	3/4"	1.84"	3/4"	1.99"	3/4"	2.15"	3/4"	2.32"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"		
	120"	0.03"	5/8"	0.17"	1/2"	0.43"	5/8"	0.71"	5/8"	0.94"	5/8"	1.12"	3/4"	1.26"	3/4"	1.38"	3/4"	1.49"	7/8"	1.65"	7/8"	1.81"	7/8"	1.97"	7/8"	2.14"	7/8"	2.30"	7/8"	2.48"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"		
132"	0.03"	5/8"	0.16"	1/2"	0.45"	5/8"	0.77"	5/8"	1.03"	5/8"	1.24"	3/4"	1.40"	3/4"	1.54"	3/4"	1.65"	7/8"	1.75"	7/8"	1.92"	7/8"	2.09"	7/8"	2.26"	7/8"	2.43"	7/8"	2.61"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"			
40 psf	24"	0.00"	7/8"	0.00"	3/4"	0.00"	5/8"	0.01"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.07"	5/8"	0.08"	5/8"	0.09"	5/8"		
	36"	0.00"	3/4"	0.04"	5/8"	0.06"	5/8"	0.08"	1/2"	0.10"	1/2"	0.12"	1/2"	0.13"	1/2"	0.13"	1/2"	0.13"	1/2"	0.13"	1/2"	0.13"	1/2"	0.13"	1/2"	0.13"	1/2"	0.13"	1/2"	0.13"	1/2"	0.17"	1/2"	0.19"	1/2"	0.21"	1/2"		
	48"	0.00"	5/8"	0.06"	5/8"	0.14"	5/8"	0.18"	1/2"	0.23"	1/2"	0.27"	1/2"	0.31"	1/2"	0.34"	1/2"	0.36"	1/2"	0.37"	1/2"	0.39"	1/2"	0.39"	1/2"	0.40"	1/2"	0.40"	1/2"	0.40"	1/2"	0.40"	1/2"	0.32"	1/2"	0.39"	1/2"	0.38"	1/2"
	60"	0.01"	5/8"	0.08"	1/2"	0.18"	1/2"	0.28"	5/8"	0.36"	5/8"	0.43"	1/2"	0.49"	1/2"	0.56"	1/2"	0.61"	1/2"	0.66"	1/2"	0.70"	1/2"	0.74"	1/2"	0.77"	1/2"	0.81"	1/2"	0.83"	1/2"	0.75"	1/2"	0.87"	1/2"	0.87"	1/2"		
	72"	0.02"	5/8"	0.10"	1/2"	0.23"	1/2"	0.36"	5/8"	0.46"	5/8"	0.56"	5/8"	0.65"	5/8"	0.74"	5/8"	0.82"	5/8"	0.91"	5/8"	0.98"	5/8"	1.06"	5/8"	1.13"	5/8"	1.20"	5/8"	1.26"	5/8"	1.31"	5/8"	1.39"	5/8"	1.44"	5/8"		
	84"	0.02"	5/8"	0.12"	1/2"	0.27"	1/2"	0.43"	1/2"	0.56"	5/8"	0.66"	5/8"	0.77"	5/8"	0.89"	5/8"	1.00"	5/8"	1.10"	5/8"	1.21"	5/8"	1.31"	5/8"	1.41"	5/8"	1.51"	5/8"	1.61"	5/8"	>1.57"	5/8"	>1.57"	5/8"	>1.57"	5/8"		
	96"	0.02"	5/8"	0.13"	1/2"	0.31"	1/2"	0.49"	1/2"	0.65"	5/8"	0.77"	5/8"	0.88"	5/8"	1.01"	5/8"	1.13"	5/8"	1.26"	5/8"	1.38"	5/8"	1.51"	5/8"	1.63"	5/8"	1.75"	5/8"	1.88"	5/8"	>1.57"	5/8"	>1.57"	5/8"	>1.57"	5/8"		
	108"	0.02"	5/8"	0.13"	1/2"	0.34"	1/2"	0.56"	1/2"	0.74"	5/8"	0.89"	5/8"	1.01"	5/8"	1.11"	3/4"	1.25"	3/4"	1.39"	3/4"	1.52"	3/4"	1.66"	3/4"	1.80"	3/4"	1.94"	3/4"	2.09"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"		
	120"	0.02"	5/8"	0.13"	1/2"	0.36"	1/2"	0.61"	1/2"	0.82"	5/8"	1.00"	5/8"	1.13"	5/8"	1.25"	3/4"	1.35"	3/4"	1.50"	3/4"	1.64"	3/4"	1.79"	3/4"	1.94"	3/4"	2.09"	3/4"	2.25"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"		
132"	0.03"	5/8"	0.13"	1/2"	0.38"	1/2"	0.66"	1/2"	0.91"	5/8"	1.10"	5/8"	1.26"	5/8"	1.39"	3/4"	1.50"	3/4"	1.60"	3/4"	1.75"	3/4"	1.91"	3/4"	2.06"	3/4"	2.22"	3/4"	2.38"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"			
30 psf	24"	0.00"	7/8"	0.00"	5/8"	0.00"	5/8"	0.01"	5/8"	0.01"	5/8"	0.02"	5/8"	0.02"	1/2"	0.02"	1/2"	0.02"	1/2"	0.02"	1/2"	0.02"	1/2"	0.02"	1/2"	0.02"	1/2"	0.02"	1/2"	0.02"	1/2"	0.05"	1/2"	0.06"	1/2"	0.07"	1/2"		
	36"	0.00"	5/8"	0.00"	5/8"	0.04"	1/2"	0.06"	1/2"	0.07"	1/2"	0.09"	1/2"	0.09"	1/2"	0.10"	1/2"	0.10"	1/2"	0.10"	1/2"	0.10"	1/2"	0.10"	1/2"	0.10"	1/2"	0.10"	1/2"	0.10"	1/2"	0.12"	1/2"	0.14"	1/2"	0.15"	1/2"		
	48"	0.00"	5/8"	0.04"	1/2"	0.14"	1/2"	0.14"	1/2																														