



DEFLECTION AND SIGHTLINE REFERENCE GUIDE

1-13/16" Insulating Unit																																									
Constructed with a 5/16" glass outboard and 1/4" middle and inboard, all glass fully tempered (FT)																																									
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"	3/4"	0.04"	3/4"	0.04"	3/4"	0.04"	5/8"	0.04"	5/8"	0.04"	5/8"	0.05"	5/8"	0.05"	5/8"	0.05"	5/8"	0.05"	5/8"	0.05"	5/8"	0.05"	5/8"	0.05"	5/8"	0.12"	5/8"	0.13"	5/8"	0.15"	5/8"		
	36"	0.00"	3/4"	0.07"	7/8"	0.10"	3/4"	0.14"	3/4"	0.17"	3/4"	0.19"	5/8"	0.21"	5/8"	0.21"	5/8"	0.21"	5/8"	0.21"	5/8"	0.21"	5/8"	0.21"	5/8"	0.21"	5/8"	0.21"	5/8"	0.21"	5/8"	0.21"	5/8"	0.21"	5/8"	0.27"	5/8"	0.30"	5/8"	0.34"	5/8"
	48"	0.02"	3/4"	0.10"	3/4"	0.21"	3/4"	0.28"	3/4"	0.34"	3/4"	0.40"	3/4"	0.46"	3/4"	0.50"	3/4"	0.53"	3/4"	0.56"	3/4"	0.58"	3/4"	0.60"	3/4"	0.62"	3/4"	0.63"	3/4"	0.64"	3/4"	0.64"	3/4"	0.63"	3/4"	0.51"	3/4"	0.63"	3/4"	0.61"	3/4"
	60"	0.03"	3/4"	0.14"	3/4"	0.28"	3/4"	0.40"	7/8"	0.49"	7/8"	0.59"	7/8"	0.68"	7/8"	0.77"	7/8"	0.84"	7/8"	0.92"	7/8"	0.98"	7/8"	1.05"	7/8"	1.11"	7/8"	1.17"	7/8"	1.22"	7/8"	1.14"	7/8"	1.42"	3/4"	1.45"	3/4"	1.45"	3/4"	1.45"	3/4"
	72"	0.04"	3/4"	0.17"	3/4"	0.34"	3/4"	0.49"	7/8"	0.62"	7/8"	0.74"	7/8"	0.86"	7/8"	0.98"	7/8"	1.09"	7/8"	1.20"	7/8"	1.31"	7/8"	1.42"	7/8"	1.53"	7/8"	1.63"	7/8"	1.74"	7/8"	1.74"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"
	84"	0.04"	3/4"	0.19"	5/8"	0.40"	3/4"	0.59"	7/8"	0.74"	7/8"	0.86"	1"	1.00"	1"	1.14"	1"	1.28"	1"	1.42"	1"	1.56"	1"	1.70"	1"	1.84"	1"	1.98"	1"	2.13"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"		
	96"	0.04"	3/4"	0.21"	5/8"	0.46"	3/4"	0.68"	7/8"	0.86"	7/8"	1.00"	1"	1.12"	1-1/8"	1.28"	1-1/8"	1.43"	1-1/8"	1.59"	1-1/8"	1.74"	1-1/8"	1.90"	1-1/8"	2.07"	1"	2.23"	1"	2.41"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"		
	108"	0.04"	5/8"	0.21"	5/8"	0.50"	3/4"	0.77"	7/8"	0.98"	7/8"	1.14"	1"	1.28"	1-1/8"	1.39"	1-1/8"	1.56"	1-1/8"	1.73"	1-1/8"	1.90"	1-1/8"	2.07"	1-1/8"	2.24"	1-1/8"	2.42"	1-1/8"	2.61"	1-1/8"	>1.57"	1-1/8"	>1.57"	1-1/8"	>1.57"	1-1/8"	>1.57"	1-1/8"		
	120"	0.04"	5/8"	0.21"	5/8"	0.53"	3/4"	0.84"	7/8"	1.09"	7/8"	1.28"	1"	1.43"	1-1/8"	1.56"	1-1/8"	1.67"	1-1/4"	1.85"	1-1/4"	2.02"	1-1/4"	2.20"	1-1/4"	2.39"	1-1/4"	2.57"	1-1/4"	2.77"	1-1/4"	>1.57"	1-1/4"	>1.57"	1-1/4"	>1.57"	1-1/4"	>1.57"	1-1/4"		
132"	0.04"	5/8"	0.21"	5/8"	0.56"	3/4"	0.92"	7/8"	1.20"	7/8"	1.42"	1"	1.59"	1-1/8"	1.73"	1-1/8"	1.85"	1-1/4"	1.96"	1-3/8"	2.14"	1-3/8"	2.32"	1-3/8"	2.51"	1-3/8"	2.70"	1-3/8"	2.90"	1-3/8"	>1.57"	1-3/8"	>1.57"	1-3/8"	>1.57"	1-3/8"	>1.57"	1-3/8"			
50 psf	24"	0.00"	1"	0.00"	3/4"	0.01"	3/4"	0.02"	3/4"	0.03"	5/8"	0.03"	5/8"	0.03"	5/8"	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"	0.10"	5/8"	0.11"	5/8"	0.12"	5/8"	0.12"	5/8"		
	36"	0.00"	3/4"	0.06"	3/4"	0.08"	3/4"	0.12"	5/8"	0.14"	5/8"	0.16"	5/8"	0.17"	5/8"	0.18"	5/8"	0.18"	5/8"	0.18"	5/8"	0.18"	5/8"	0.17"	5/8"	0.17"	5/8"	0.17"	5/8"	0.18"	5/8"	0.23"	5/8"	0.25"	5/8"	0.28"	5/8"	0.28"	5/8"		
	48"	0.01"	3/4"	0.08"	3/4"	0.18"	3/4"	0.24"	3/4"	0.30"	5/8"	0.35"	5/8"	0.40"	5/8"	0.43"	5/8"	0.46"	5/8"	0.48"	5/8"	0.50"	5/8"	0.51"	5/8"	0.52"	5/8"	0.53"	5/8"	0.54"	5/8"	0.55"	5/8"	0.50"	5/8"	0.54"	5/8"	0.54"	5/8"		
	60"	0.02"	3/4"	0.12"	5/8"	0.24"	3/4"	0.35"	3/4"	0.44"	3/4"	0.53"	3/4"	0.61"	3/4"	0.68"	3/4"	0.75"	3/4"	0.81"	3/4"	0.87"	3/4"	0.92"	3/4"	0.97"	3/4"	1.02"	3/4"	1.06"	3/4"	1.03"	3/4"	1.19"	3/4"	1.22"	3/4"	1.22"	3/4"	1.22"	3/4"
	72"	0.03"	5/8"	0.14"	5/8"	0.30"	5/8"	0.44"	3/4"	0.55"	7/8"	0.67"	7/8"	0.78"	7/8"	0.88"	7/8"	0.99"	3/4"	1.08"	3/4"	1.18"	3/4"	1.27"	3/4"	1.37"	3/4"	1.46"	3/4"	1.55"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"		
	84"	0.03"	5/8"	0.16"	5/8"	0.35"	5/8"	0.53"	3/4"	0.67"	7/8"	0.78"	7/8"	0.91"	7/8"	1.04"	7/8"	1.17"	7/8"	1.29"	7/8"	1.42"	7/8"	1.54"	7/8"	1.67"	7/8"	1.79"	7/8"	1.92"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"		
	96"	0.03"	5/8"	0.17"	5/8"	0.40"	5/8"	0.61"	3/4"	0.78"	7/8"	0.91"	7/8"	1.02"	1"	1.17"	1"	1.31"	1"	1.46"	1"	1.60"	1"	1.75"	1"	1.89"	1"	2.04"	1"	2.20"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"		
	108"	0.03"	5/8"	0.18"	5/8"	0.43"	5/8"	0.68"	3/4"	0.88"	7/8"	1.04"	7/8"	1.17"	1"	1.44"	1"	1.44"	1"	1.59"	1"	1.75"	1"	1.91"	1"	2.07"	1"	2.23"	1"	2.40"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"		
	120"	0.03"	5/8"	0.18"	5/8"	0.46"	5/8"	0.75"	3/4"	0.99"	3/4"	1.17"	7/8"	1.31"	1"	1.44"	1"	1.54"	1-1/8"	1.71"	1-1/8"	1.88"	1-1/8"	2.04"	1-1/8"	2.21"	1-1/8"	2.39"	1-1/8"	2.56"	1-1/8"	>1.57"	1-1/8"	>1.57"	1-1/8"	>1.57"	1-1/8"	>1.57"	1-1/8"		
132"	0.04"	5/8"	0.18"	5/8"	0.48"	5/8"	0.81"	3/4"	1.08"	3/4"	1.29"	7/8"	1.46"	1"	1.59"	1"	1.71"	1-1/8"	1.82"	1-1/8"	1.99"	1-1/8"	2.16"	1-1/8"	2.34"	1-1/8"	2.51"	1-1/8"	2.70"	1-1/8"	>1.57"	1-1/8"	>1.57"	1-1/8"	>1.57"	1-1/8"	>1.57"	1-1/8"			
40 psf	24"	0.00"	7/8"	0.00"	3/4"	0.00"	5/8"	0.02"	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"	0.08"	5/8"	0.09"	5/8"	0.10"	5/8"	0.10"	5/8"		
	36"	0.00"	3/4"	0.04"	3/4"	0.06"	5/8"	0.09"	5/8"	0.11"	5/8"	0.13"	5/8"	0.14"	5/8"	0.14"	5/8"	0.14"	5/8"	0.14"	5/8"	0.14"	5/8"	0.14"	5/8"	0.14"	5/8"	0.14"	5/8"	0.14"	5/8"	0.18"	5/8"	0.20"	5/8"	0.23"	5/8"	0.23"	5/8"		
	48"	0.00"	5/8"	0.06"	5/8"	0.15"	5/8"	0.20"	5/8"	0.25"	5/8"	0.29"	5/8"	0.33"	5/8"	0.36"	5/8"	0.39"	5/8"	0.40"	5/8"	0.42"	5/8"	0.42"	5/8"	0.43"	5/8"	0.43"	5/8"	0.44"	5/8"	0.43"	5/8"	0.40"	5/8"	0.45"	5/8"	0.45"	5/8"		
	60"	0.02"	5/8"	0.09"	5/8"	0.20"	5/8"	0.30"	5/8"	0.38"	5/8"	0.45"	5/8"	0.52"	5/8"	0.59"	5/8"	0.65"	5/8"	0.70"	5/8"	0.74"	5/8"	0.79"	5/8"	0.82"	5/8"	0.86"	5/8"	0.89"	5/8"	0.85"	5/8"	0.97"	5/8"	1.01"	5/8"	1.01"	5/8"		
	72"	0.02"	5/8"	0.11"	5/8"	0.25"	5/8"	0.38"	5/8"	0.48"	3/4"	0.58"	3/4"	0.68"	3/4"	0.78"	3/4"	0.87"	3/4"	0.95"	3/4"	1.03"	3/4"	1.11"	3/4"	1.19"	3/4"	1.26"	3/4"	1.34"	3/4"	1.49"	3/4"	>1.57"	3/4"	1.55"	3/4"	1.55"	3/4"		
	84"	0.03"	5/8"	0.13"	5/8"	0.29"	5/8"	0.45"	5/8"	0.58"	3/4"	0.69"	3/4"	0.81"	3/4"	0.93"	3/4"	1.04"	3/4"	1.15"	3/4"	1.26"	3/4"	1.37"	3/4"	1.48"	3/4"	1.58"	3/4"	1.69"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"		
	96"	0.03"	5/8"	0.14"	5/8"	0.33"	5/8"	0.52"	5/8"	0.68"	3/4"	0.81"	3/4"	0.92"	7/8"	1.05"	7/8"	1.18"	7/8"	1.31"	7/8"	1.44"	7/8"	1.57"	7/8"	1.70"	7/8"	1.83"	7/8"	1.96"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"		
	108"	0.03"	5/8"	0.14"	5/8"	0.36"	5/8"	0.59"	5/8"	0.78"	3/4"	0.93"	3/4"	1.05"	7/8"	1.15"	7/8"	1.30"	7/8"	1.44"	7/8"	1.58"	7/8"	1.73"	7/8"	1.87"	7/8"	2.02"	7/8"	2.17"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"		
	120"	0.03"	5/8"	0.14"	5/8"	0.39"	5/8"	0.65"	5/8"	0.87"	3/4"	1.04"	3/4"	1.18"	7/8"	1.30"	7/8"	1.40"	1"	1.55"	1"	1.71"	1"	1.86"	1"	2.01"	1"	2.17"	1"	2.33"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"		
132"	0.03"	5/8"	0.14"	5/8"	0.40"	5/8"	0.70"	5/8"	0.95"	3/4"	1.15"	3/4"	1.31"	7/8"	1.44"	7/8"	1.55"	1"	1.65"	1"	1.81"	1"	1.97"	1"	2.13"	1"	2.30"	1"	2.46"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"			
30 psf	24"	0.00"	7/8"	0.00"	3/4"	0.00"	5/8"	0.01"	5/8"	0.02																															