

DEFLECTION AND SIGHTLINE REFERENCE GUIDE

1-3/4" Insulating Unit																																							
Constructed with three plies of 1/4" 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"	7/8"	0.03"	3/4"	0.04"	3/4"	0.06"	5/8"	0.06"	5/8"	0.06"	5/8"	0.06"	5/8"	0.06"	5/8"	0.06"	5/8"	0.06"	5/8"	0.07"	5/8"	0.07"	5/8"	0.07"	5/8"	0.07"	5/8"	0.07"	5/8"	0.18"	5/8"	0.20"	5/8"	0.22"	5/8"		
	36"	0.03"	3/4"	0.10"	3/4"	0.15"	5/8"	0.20"	5/8"	0.23"	5/8"	0.26"	5/8"	0.28"	5/8"	0.29"	5/8"	0.30"	5/8"	0.30"	5/8"	0.30"	5/8"	0.31"	5/8"	0.31"	5/8"	0.31"	5/8"	0.31"	5/8"	0.31"	5/8"	0.39"	5/8"	0.44"	5/8"	0.49"	5/8"
	48"	0.04"	5/8"	0.15"	5/8"	0.25"	5/8"	0.34"	3/4"	0.41"	5/8"	0.48"	5/8"	0.55"	5/8"	0.60"	5/8"	0.65"	5/8"	0.70"	5/8"	0.74"	5/8"	0.78"	5/8"	0.81"	5/8"	0.85"	5/8"	0.88"	5/8"	0.79"	5/8"	0.76"	5/8"	0.89"	5/8"		
	60"	0.06"	5/8"	0.20"	5/8"	0.34"	3/4"	0.44"	3/4"	0.55"	3/4"	0.66"	3/4"	0.76"	3/4"	0.85"	3/4"	0.95"	3/4"	1.04"	3/4"	1.13"	3/4"	1.22"	3/4"	1.32"	3/4"	1.41"	3/4"	1.51"	3/4"	>1.18"	3/4"	>1.18"	3/4"	>1.18"	3/4"		
	72"	0.06"	5/8"	0.23"	5/8"	0.41"	5/8"	0.55"	3/4"	0.66"	7/8"	0.79"	7/8"	0.91"	7/8"	1.04"	7/8"	1.16"	7/8"	1.29"	7/8"	1.41"	7/8"	1.54"	7/8"	1.68"	7/8"	1.82"	7/8"	1.98"	7/8"	>1.18"	7/8"	>1.18"	7/8"	>1.18"	7/8"		
	84"	0.06"	5/8"	0.26"	5/8"	0.48"	5/8"	0.66"	3/4"	0.79"	7/8"	0.89"	7/8"	1.03"	7/8"	1.18"	7/8"	1.32"	7/8"	1.46"	7/8"	1.61"	7/8"	1.76"	7/8"	1.92"	7/8"	2.09"	7/8"	2.28"	7/8"	>1.18"	7/8"	>1.18"	7/8"	>1.18"	7/8"		
	96"	0.06"	5/8"	0.28"	5/8"	0.55"	5/8"	0.76"	3/4"	0.91"	7/8"	1.03"	7/8"	1.14"	1"	1.29"	1"	1.44"	1"	1.60"	1"	1.75"	1"	1.92"	1"	2.09"	1"	2.27"	1"	2.47"	1"	>1.18"	1"	>1.18"	1"	>1.18"	1"		
	108"	0.06"	5/8"	0.29"	5/8"	0.60"	5/8"	0.85"	3/4"	1.04"	7/8"	1.18"	7/8"	1.29"	1"	1.39"	1"	1.55"	1"	1.71"	1"	1.87"	1"	2.04"	1"	2.22"	1"	2.41"	1"	2.60"	1"	>1.18"	1"	>1.18"	1"	>1.18"	1"		
	120"	0.06"	5/8"	0.30"	5/8"	0.65"	5/8"	0.95"	3/4"	1.16"	7/8"	1.32"	7/8"	1.44"	1"	1.55"	1"	1.64"	1-1/8"	1.81"	1-1/8"	1.98"	1-1/8"	2.15"	1-1/8"	2.33"	1-1/8"	2.51"	1-1/8"	2.71"	1-1/8"	>1.18"	1-1/8"	>1.18"	1-1/8"	>1.18"	1-1/8"		
132"	0.06"	5/8"	0.30"	5/8"	0.70"	5/8"	1.04"	3/4"	1.29"	7/8"	1.46"	7/8"	1.60"	1"	1.71"	1"	1.81"	1-1/8"	1.90"	1-1/4"	2.07"	1-1/4"	2.24"	1-1/4"	2.42"	1-1/4"	2.60"	1-1/4"	2.79"	1-1/4"	>1.18"	1-1/4"	>1.18"	1-1/4"	>1.18"	1-1/4"			
50 psf	24"	0.00"	7/8"	0.02"	3/4"	0.03"	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"	0.06"	5/8"	0.06"	5/8"	0.06"	5/8"	0.06"	5/8"	0.15"	5/8"	0.16"	5/8"	0.18"	5/8"	0.21"	5/8"		
	36"	0.02"	3/4"	0.09"	3/4"	0.13"	5/8"	0.17"	5/8"	0.20"	5/8"	0.22"	5/8"	0.24"	5/8"	0.25"	5/8"	0.25"	5/8"	0.25"	5/8"	0.26"	5/8"	0.26"	5/8"	0.26"	5/8"	0.26"	5/8"	0.33"	1/2"	0.37"	1/2"	0.41"	1/2"				
	48"	0.03"	5/8"	0.13"	5/8"	0.22"	5/8"	0.30"	5/8"	0.37"	5/8"	0.43"	5/8"	0.53"	5/8"	0.57"	5/8"	0.61"	5/8"	0.64"	5/8"	0.67"	5/8"	0.70"	5/8"	0.72"	5/8"	0.75"	5/8"	0.62"	5/8"	0.74"	5/8"	0.73"	5/8"	0.73"	5/8"		
	60"	0.04"	5/8"	0.17"	5/8"	0.30"	5/8"	0.40"	3/4"	0.50"	3/4"	0.59"	5/8"	0.68"	5/8"	0.77"	5/8"	0.85"	5/8"	0.93"	5/8"	1.01"	5/8"	1.09"	5/8"	1.17"	5/8"	1.24"	5/8"	1.32"	5/8"	>1.18"	5/8"	>1.18"	5/8"	>1.18"	5/8"		
	72"	0.05"	5/8"	0.20"	5/8"	0.37"	5/8"	0.50"	3/4"	0.60"	3/4"	0.72"	3/4"	0.83"	3/4"	0.95"	3/4"	1.06"	3/4"	1.17"	3/4"	1.28"	3/4"	1.40"	3/4"	1.52"	3/4"	1.64"	3/4"	1.77"	3/4"	>1.18"	3/4"	>1.18"	3/4"	>1.18"	3/4"		
	84"	0.05"	5/8"	0.22"	5/8"	0.43"	5/8"	0.55"	5/8"	0.72"	3/4"	0.84"	7/8"	0.95"	7/8"	1.08"	3/4"	1.21"	3/4"	1.34"	3/4"	1.48"	3/4"	1.62"	3/4"	1.76"	3/4"	1.91"	3/4"	2.07"	3/4"	>1.18"	3/4"	>1.18"	3/4"	>1.18"	3/4"		
	96"	0.05"	5/8"	0.24"	5/8"	0.48"	5/8"	0.68"	5/8"	0.83"	3/4"	0.95"	7/8"	1.05"	7/8"	1.19"	7/8"	1.33"	7/8"	1.48"	7/8"	1.62"	7/8"	1.77"	7/8"	1.93"	7/8"	2.10"	7/8"	2.27"	7/8"	>1.18"	7/8"	>1.18"	7/8"	>1.18"	7/8"		
	108"	0.05"	5/8"	0.25"	5/8"	0.53"	5/8"	0.77"	5/8"	0.95"	3/4"	1.08"	3/4"	1.19"	7/8"	1.29"	1"	1.44"	1"	1.59"	1"	1.74"	1"	1.90"	1"	2.06"	1"	2.23"	1"	2.41"	1"	>1.18"	1"	>1.18"	1"	>1.18"	1"		
	120"	0.05"	5/8"	0.25"	5/8"	0.57"	5/8"	0.85"	5/8"	1.06"	3/4"	1.21"	3/4"	1.33"	7/8"	1.44"	1"	1.53"	1"	1.68"	1"	1.84"	1"	2.00"	1"	2.17"	1"	2.34"	1"	2.52"	1"	>1.18"	1"	>1.18"	1"	>1.18"	1"		
132"	0.05"	5/8"	0.25"	5/8"	0.61"	5/8"	0.93"	5/8"	1.17"	3/4"	1.34"	3/4"	1.48"	7/8"	1.59"	1"	1.68"	1"	1.78"	1"	1.94"	1"	2.10"	1"	2.26"	1"	2.44"	1"	2.61"	1"	>1.18"	1"	>1.18"	1"	>1.18"	1"			
40 psf	24"	0.00"	7/8"	0.01"	5/8"	0.02"	5/8"	0.03"	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"	0.12"	1/2"	0.13"	1/2"	0.15"	1/2"				
	36"	0.01"	5/8"	0.07"	5/8"	0.10"	5/8"	0.14"	1/2"	0.16"	1/2"	0.18"	1/2"	0.20"	1/2"	0.20"	1/2"	0.21"	1/2"	0.21"	1/2"	0.21"	1/2"	0.20"	1/2"	0.20"	1/2"	0.21"	1/2"	0.21"	1/2"	0.26"	1/2"	0.29"	1/2"	0.33"	1/2"		
	48"	0.02"	5/8"	0.10"	5/8"	0.19"	5/8"	0.25"	5/8"	0.31"	5/8"	0.37"	1/2"	0.41"	1/2"	0.45"	1/2"	0.49"	1/2"	0.51"	1/2"	0.54"	1/2"	0.56"	1/2"	0.58"	1/2"	0.60"	1/2"	0.61"	1/2"	0.49"	1/2"	0.60"	1/2"	0.59"	1/2"		
	60"	0.03"	5/8"	0.14"	1/2"	0.25"	5/8"	0.35"	5/8"	0.44"	5/8"	0.52"	5/8"	0.60"	5/8"	0.67"	5/8"	0.75"	5/8"	0.81"	5/8"	0.88"	5/8"	0.94"	5/8"	1.00"	5/8"	1.06"	5/8"	1.12"	5/8"	1.06"	5/8"	>1.18"	5/8"	>1.18"	5/8"		
	72"	0.04"	5/8"	0.16"	1/2"	0.31"	5/8"	0.44"	5/8"	0.53"	5/8"	0.64"	5/8"	0.74"	5/8"	0.84"	5/8"	0.94"	5/8"	1.04"	5/8"	1.14"	5/8"	1.24"	5/8"	1.33"	5/8"	1.44"	5/8"	1.54"	5/8"	>1.18"	5/8"	>1.18"	5/8"	>1.18"	5/8"		
	84"	0.04"	5/8"	0.18"	1/2"	0.37"	1/2"	0.52"	5/8"	0.64"	5/8"	0.73"	3/4"	0.85"	3/4"	0.97"	3/4"	1.09"	3/4"	1.21"	3/4"	1.33"	3/4"	1.45"	3/4"	1.57"	3/4"	1.70"	3/4"	1.84"	3/4"	>1.18"	3/4"	>1.18"	3/4"	>1.18"	3/4"		
	96"	0.04"	5/8"	0.20"	1/2"	0.41"	1/2"	0.60"	5/8"	0.74"	5/8"	0.85"	3/4"	0.95"	3/4"	1.08"	3/4"	1.21"	3/4"	1.34"	3/4"	1.47"	3/4"	1.61"	3/4"	1.75"	3/4"	1.89"	3/4"	2.05"	3/4"	>1.18"	3/4"	>1.18"	3/4"	>1.18"	3/4"		
	108"	0.04"	5/8"	0.20"	1/2"	0.45"	1/2"	0.67"	5/8"	0.84"	5/8"	0.97"	3/4"	1.08"	3/4"	1.17"	7/8"	1.31"	7/8"	1.45"	7/8"	1.59"	7/8"	1.73"	7/8"	1.88"	7/8"	2.03"	7/8"	2.19"	7/8"	>1.18"	7/8"	>1.18"	7/8"	>1.18"	7/8"		
	120"	0.04"	1/2"	0.21"	1/2"	0.49"	1/2"	0.75"	5/8"	0.94"	5/8"	1.09"	3/4"	1.21"	3/4"	1.31"	7/8"	1.40"	7/8"	1.54"	7/8"	1.69"	7/8"	1.84"	7/8"	1.99"	7/8"	2.14"	7/8"	2.31"	7/8"	>1.18"	7/8"	>1.18"	7/8"	>1.18"	7/8"		
132"	0.04"	1/2"	0.21"	1/2"	0.51"	1/2"	0.81"	5/8"	1.04"	5/8"	1.21"	3/4"	1.34"	3/4"	1.45"	7/8"	1.54"	7/8"	1.63"	7/8"	1.78"	7/8"	1.93"	7/8"	2.08"	7/8"	2.24"	7/8"	2.40"	7/8"	>1.18"	7/8"	>1.18"	7/8"	>1.18"	7/8"			
30 psf	24"	0.00"	3/4"	0.00"	5/8"	0.01"	5/8"	0.02"	5/8"	0.03"	1/2"	0.03"	1/2"	0.03"	1/2"	0.03"	1/2"	0.03"	1/2"	0.03"	1/2"	0.03"	1/2"	0.03"	1/2"	0.03"	1/2"	0.03"	1/2"	0.09"	1/2"	0.10"	1/2"	0.11"	1/2"				
	36"	0.00"	5/8"	0.05"	5/8"	0.08"	1/2"	0.10"	1/2"	0.12"	1/2"	0.14"	1/2"	0.15"	1/2"	0.16"	1/2"	0.16"	1/2"	0.16"	1/2"	0.15"	1/2"	0.15"	1/2"	0.15"	1/2"	0.15"	1/2"	0.20"	1/2"	0.22"	1/2"	0.25"	1/2"				
	48"	0.01"	5/8"	0.08"	1/2"	0.15"	1/2"	0.20"	1/2"	0.25"	1/2"	0.30"	1/2"	0.37"	1/2"	0.39"	1/2"	0.43"	1/2"	0.41"	1/2"	0.43"	1/2"	0.44"	1/2"	0.45"	1/2"	0.47"	1/2"	0.39"	1/2"	0.47"	1/2"	0.46"	1/2"				
	60"	0.02"	5/8"	0.10"	1/2"	0.20"	1/2"	0.29"	1/2"	0.36"	1/2"	0.44"	1/2"	0.50"	1/2"	0.56"	1/2"	0.62"	1/2"	0.68"	1/2"	0.73"	1/2"	0.77"	1/2"	0.82"	1/2"	0.86"	1/2"	0.90"	1/2"	0.86"	1/2"	0.95"	1/2"	1.07"	1/2"		
	72"	0.03"	1/2"	0.12"	1/2"	0.25"	1/2"	0.36"	1/2"	0.45"	5/8"	0.55"	5/8"	0.64"	5/8"	0.72"	5/8"	0.81"	5/8"	0.89"	5/8"	0.97"	5/8"	1.05"	5/8"	1.13"	1/2"	1.21"	1/2"	1.29"	1/2"	>1.18"	1/2"	>1.18"	1/2"	>1.18"	1/2"		
	84"	0.03"	1/2"	0.14"	1/2"	0.30"	1/2"	0.44"	1/2"	0.55"	5/8"	0.64"	5/8"	0.74"	5/8"	0.84"	5/8"	0.95"	5/8"	1.05"	5/8"	1.15"	5/8"	1.25"	5/8"	1.36"	5/8"	1.46"	5/8"	1.57"	5/8"	>1.18"	5/8"	>1.18"	5/8"	>1.18"	5/8"		
	96"	0.03"	1/2"	0.15"	1/2"	0.33"	1/2"	0.50"	1/2"	0.64"	5/8"	0.74"	5/8"	0.83"	5/8"	0.94"	5/8"	1.06"	5/8"																				