



DEFLECTION AND SIGHTLINE REFERENCE GUIDE

1-3/16" Insulating Unit																																							
Constructed with a 1/4" outboard and two plies of 3/16" laminated on the 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				
60 psf	24"	<0.04"	3/4"	0.05"	5/8"	0.09"	1/2"	0.08"	1/2"	0.08"	1/2"	0.06"	1/2"	0.07"	1/2"	0.06"	1/2"	0.07"	1/2"	0.08"	1/2"	0.09"	1/2"	0.10"	1/2"	0.12"	1/2"	0.09"	1/2"	0.11"	1/2"	0.10"	1/2"	0.11"	1/2"				
	36"	0.05"	5/8"	0.15"	1/2"	0.17"	1/2"	0.21"	1/2"	0.26"	1/2"	0.21"	1/2"	0.27"	1/2"	0.27"	1/2"	0.20"	1/2"	0.26"	1/2"	0.26"	1/2"	0.20"	1/2"	0.25"	1/2"	0.26"	1/2"	0.29"	1/2"	0.33"	1/2"	0.35"	1/2"	0.27"	1/2"		
	48"	0.09"	1/2"	0.17"	1/2"	0.27"	1/2"	0.33"	1/2"	0.43"	1/2"	0.39"	1/2"	0.44"	1/2"	0.51"	1/2"	0.46"	1/2"	0.57"	1/2"	0.63"	1/2"	0.53"	1/2"	0.63"	1/2"	0.69"	1/2"	0.71"	1/2"	0.57"	1/2"	0.67"	1/2"	0.66"	1/2"		
	60"	0.08"	1/2"	0.21"	1/2"	0.33"	1/2"	0.43"	1/2"	0.48"	1/2"	0.48"	1/2"	0.58"	1/2"	0.68"	1/2"	0.77"	1/2"	0.87"	1/2"	0.90"	1/2"	0.98"	1/2"	1.07"	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"
	72"	0.08"	1/2"	0.26"	1/2"	0.39"	1/2"	0.48"	1/2"	0.62"	1/2"	0.72"	1/2"	0.84"	1/2"	0.95"	1/2"	1.07"	1/2"	1.20"	1/2"	1.33"	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"		
	84"	0.06"	1/2"	0.21"	1/2"	0.44"	1/2"	0.58"	1/2"	0.72"	1/2"	0.86"	1/2"	0.99"	1/2"	1.14"	1/2"	1.29"	1/2"	1.43"	1/2"	1.58"	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"		
	96"	0.07"	1/2"	0.27"	1/2"	0.51"	1/2"	0.68"	1/2"	0.84"	1/2"	0.99"	1/2"	1.13"	5/8"	1.31"	1/2"	1.47"	1/2"	1.63"	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"		
	108"	0.06"	1/2"	0.27"	1/2"	0.46"	1/2"	0.77"	1/2"	0.95"	1/2"	1.14"	1/2"	1.31"	1/2"	1.45"	5/8"	1.70"	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"		
	120"	0.06"	1/2"	0.20"	1/2"	0.57"	1/2"	0.87"	1/2"	1.07"	1/2"	1.29"	1/2"	1.47"	1/2"	1.70"	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"		
132"	0.07"	1/2"	0.26"	1/2"	0.57"	1/2"	0.90"	1/2"	1.20"	1/2"	1.43"	1/2"	1.63"	1/2"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"			
50 psf	24"	<0.04"	3/4"	0.04"	1/2"	0.08"	1/2"	0.08"	1/2"	0.07"	1/2"	0.06"	1/2"	0.06"	1/2"	0.05"	1/2"	0.05"	1/2"	0.06"	1/2"	0.07"	1/2"	0.08"	1/2"	0.09"	1/2"	0.10"	1/2"	0.11"	1/2"	0.09"	1/2"	0.08"	1/2"	0.09"	1/2"		
	36"	0.04"	1/2"	0.13"	1/2"	0.16"	1/2"	0.20"	1/2"	0.24"	1/2"	0.18"	1/2"	0.23"	1/2"	0.19"	1/2"	0.20"	1/2"	0.23"	1/2"	0.19"	1/2"	0.19"	1/2"	0.19"	1/2"	0.22"	1/2"	0.25"	1/2"	0.28"	1/2"	0.26"	1/2"	0.19"	1/2"		
	48"	0.08"	1/2"	0.16"	1/2"	0.25"	1/2"	0.29"	1/2"	0.35"	1/2"	0.40"	1/2"	0.45"	1/2"	0.45"	1/2"	0.53"	1/2"	0.46"	1/2"	0.52"	1/2"	0.59"	1/2"	0.52"	1/2"	0.59"	1/2"	0.63"	1/2"	0.60"	1/2"	0.57"	1/2"	0.62"	1/2"		
	60"	0.08"	1/2"	0.20"	1/2"	0.29"	1/2"	0.39"	1/2"	0.44"	1/2"	0.53"	1/2"	0.60"	1/2"	0.69"	1/2"	0.78"	1/2"	0.76"	1/2"	0.87"	1/2"	0.95"	1/2"	0.98"	1/2"	1.08"	1/2"	0.96"	1/2"	1.12"	1/2"	1.07"	1/2"	1.09"	1/2"		
	72"	0.07"	1/2"	0.24"	1/2"	0.35"	1/2"	0.44"	1/2"	0.57"	1/2"	0.64"	1/2"	0.75"	1/2"	0.86"	1/2"	0.97"	1/2"	1.08"	1/2"	1.20"	1/2"	1.25"	1/2"	1.34"	1/2"	1.43"	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"
	84"	0.06"	1/2"	0.18"	1/2"	0.40"	1/2"	0.53"	1/2"	0.64"	1/2"	0.78"	1/2"	0.90"	1/2"	1.02"	1/2"	1.16"	1/2"	1.28"	1/2"	1.43"	1/2"	1.58"	1/2"	1.72"	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"
	96"	0.06"	1/2"	0.23"	1/2"	0.46"	1/2"	0.60"	1/2"	0.75"	1/2"	0.90"	1/2"	1.03"	1/2"	1.18"	1/2"	1.34"	1/2"	1.48"	1/2"	1.63"	1/2"	1.84"	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"
	108"	0.05"	1/2"	0.23"	1/2"	0.45"	1/2"	0.69"	1/2"	0.86"	1/2"	1.02"	1/2"	1.18"	1/2"	1.32"	1/2"	1.54"	1/2"	1.72"	1/2"	1.93"	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"
	120"	0.05"	1/2"	0.19"	1/2"	0.45"	1/2"	0.78"	1/2"	0.97"	1/2"	1.16"	1/2"	1.34"	1/2"	1.54"	1/2"	1.64"	5/8"	1.90"	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"
132"	0.06"	1/2"	0.20"	1/2"	0.53"	1/2"	0.76"	1/2"	1.08"	1/2"	1.28"	1/2"	1.48"	1/2"	1.72"	1/2"	1.90"	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	FT req.	5/8"	
40 psf	24"	<0.04"	5/8"	<0.04"	1/2"	0.06"	1/2"	0.04"	1/2"	0.06"	1/2"	0.04"	1/2"	0.05"	1/2"	<0.04"	1/2"	<0.04"	1/2"	0.04"	1/2"	0.05"	1/2"	0.06"	1/2"	0.07"	1/2"	0.08"	1/2"	0.09"	1/2"	0.07"	1/2"	0.09"	1/2"	0.07"	1/2"		
	36"	<0.04"	1/2"	0.10"	1/2"	0.14"	1/2"	0.17"	1/2"	0.21"	1/2"	0.15"	1/2"	0.17"	1/2"	0.20"	1/2"	0.19"	1/2"	0.18"	1/2"	0.19"	1/2"	0.18"	1/2"	0.17"	1/2"	0.18"	1/2"	0.20"	1/2"	0.22"	1/2"	0.21"	1/2"	0.15"	1/2"		
	48"	0.06"	1/2"	0.14"	1/2"	0.22"	1/2"	0.25"	1/2"	0.29"	1/2"	0.35"	1/2"	0.40"	1/2"	0.32"	1/2"	0.42"	1/2"	0.42"	1/2"	0.47"	1/2"	0.42"	1/2"	0.42"	1/2"	0.41"	1/2"	0.48"	1/2"	0.54"	1/2"	0.51"	1/2"	0.48"	1/2"	0.53"	1/2"
	60"	0.04"	1/2"	0.17"	1/2"	0.25"	1/2"	0.35"	1/2"	0.41"	1/2"	0.46"	1/2"	0.54"	1/2"	0.61"	1/2"	0.68"	1/2"	0.61"	1/2"	0.73"	1/2"	0.74"	1/2"	0.84"	1/2"	0.93"	1/2"	0.81"	1/2"	0.95"	1/2"	0.91"	1/2"	0.99"	1/2"		
	72"	0.06"	1/2"	0.21"	1/2"	0.29"	1/2"	0.41"	1/2"	0.51"	1/2"	0.58"	1/2"	0.65"	1/2"	0.75"	1/2"	0.85"	1/2"	0.95"	1/2"	1.05"	1/2"	1.00"	1/2"	1.11"	1/2"	1.22"	1/2"	1.32"	1/2"	1.40"	1/2"	1.49"	1/2"	FT req.	1/2"	FT req.	1/2"
	84"	0.04"	1/2"	0.15"	1/2"	0.35"	1/2"	0.46"	1/2"	0.58"	1/2"	0.70"	1/2"	0.79"	1/2"	0.90"	1/2"	1.02"	1/2"	1.13"	1/2"	1.26"	1/2"	1.38"	1/2"	1.51"	1/2"	1.55"	1/2"	1.65"	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"
	96"	0.05"	1/2"	0.17"	1/2"	0.40"	1/2"	0.54"	1/2"	0.65"	1/2"	0.79"	1/2"	0.92"	1/2"	1.05"	1/2"	1.17"	1/2"	1.31"	1/2"	1.47"	1/2"	1.60"	1/2"	1.74"	1/2"	1.89"	1/2"	>1.97"	1/2"	>1.97"	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"
	108"	<0.04"	1/2"	0.20"	1/2"	0.32"	1/2"	0.61"	1/2"	0.75"	1/2"	0.90"	1/2"	1.05"	1/2"	1.17"	1/2"	1.35"	1/2"	1.49"	1/2"	1.63"	1/2"	1.79"	1/2"	1.95"	1/2"	>1.97"	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"
	120"	<0.04"	1/2"	0.19"	1/2"	0.42"	1/2"	0.68"	1/2"	0.85"	1/2"	1.02"	1/2"	1.17"	1/2"	1.35"	1/2"	1.46"	1/2"	1.69"	1/2"	1.89"	1/2"	>1.97"	1/2"	>1.97"	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"
132"	0.04"	1/2"	0.18"	1/2"	0.43"	1/2"	0.61"	1/2"	0.95"	1/2"	1.13"	1/2"	1.31"	1/2"	1.49"	1/2"	1.69"	1/2"	1.78"	1/2"	>1.97"	1/2"	>1.97"	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	FT req.	1/2"	
30 psf	24"	<0.04"	5/8"	<0.04"	1/2"	0.05"	1/2"	<0.04"	1/2"	0.05"	1/2"	<0.04"	1/2"	<0.04"	1/2"	<0.04"	1/2"	<0.04"	1/2"	0.04"	1/2"	0.05"	1/2"	0.05"	1/2"	0.06"	1/2"	0.04"	1/2"	0.04"	1/2"	0.06"	1/2"	0.05"	1/2"	0.06"	1/2"		
	36"	<0.04"	1/2"	0.08"	1/2"	0.11"	1/2"	0.15"	1/2"	0.17"	1/2"	0.12"	1/2"	0.15"	1/2"	0.16"	1/2"	0.12"	1/2"	0.13"	1/2"	0.15"	1/2"	0.12"	1/2"	0.12"	1/2"	0.13"	1/2"	0.15"	1/2"	0.17"	1/2"	0.20"	1/2"	0.15"	1/2"		
	48"	0.05"	1/2"	0.11"	1/2"	0.19"	1/2"	0.21"	1/2"	0.25"	1/2"	0.30"	1/2"	0.32"	1/2"	0.31"	1/2"	0.37"	1/2"	0.38"	1/2"	0.30"	1/2"	0.39"	1/2"	0.37"	1/2"	0.38"	1/2"	0.45"	1/2"	0.44"	1/2"	0.41"	1/2"	0.45"	1/2"		
	60"	<0.04"	1/2"	0.15"	1/2"	0.21"	1/2"	0.30"	1/2"	0.33"	1/2"	0.40"	1/2"	0.45"	1/2"	0.52"	1/2"	0.58"	1/2"	0.47"	1/2"	0.59"	1/2"	0.60"	1/2"	0.69"	1/2"	0.78"	1/2"	0.71"	1/2"	0.66"	1/2"	0.77"	1/2"	0.77"	1/2"		
	72"	0.05"	1/2"	0																																			