









### Deflection and Sightline Reference Guide

1-1/16" Insulating Unit																																																	
Constructed with a 5/16" outboard and 1/4" inboard, both plies heat strengthened (HS) 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														
<b>60 psf</b>	24"	0.00"	9/16"	0.02"	9/16"	0.04"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.06"	9/16"	0.06"	9/16"	0.06"	9/16"	0.06"	9/16"	0.06"	9/16"	0.06"	9/16"	0.06"	9/16"	0.06"	9/16"	**	9/16"										
	36"	0.02"	9/16"	0.09"	11/16"	0.14"	11/16"	0.18"	11/16"	0.22"	11/16"	0.24"	11/16"	0.26"	11/16"	0.27"	11/16"	0.27"	11/16"	0.27"	11/16"	0.27"	11/16"	0.27"	11/16"	0.27"	11/16"	0.27"	11/16"	0.27"	11/16"	0.27"	11/16"	0.27"	11/16"	0.27"	11/16"	**	11/16"										
	48"	0.04"	9/16"	0.14"	11/16"	0.25"	11/16"	0.34"	11/16"	0.42"	11/16"	0.49"	11/16"	0.55"	11/16"	0.60"	11/16"	0.65"	11/16"	0.68"	11/16"	0.72"	11/16"	0.75"	11/16"	0.77"	11/16"	0.79"	11/16"	0.81"	11/16"	0.81"	11/16"	0.81"	11/16"	0.81"	11/16"	**	11/16"										
	60"	0.05"	9/16"	0.18"	11/16"	0.34"	11/16"	0.47"	13/16"	0.58"	13/16"	0.69"	13/16"	0.80"	13/16"	0.90"	13/16"	0.99"	13/16"	1.08"	13/16"	FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.											
	72"	0.05"	9/16"	0.22"	11/16"	0.42"	11/16"	0.58"	13/16"	0.71"	7/8"	0.85"	7/8"	0.99"	7/8"	1.12"	7/8"	1.25"	7/8"	1.39"	7/8"	1.53"	7/8"	1.67"	7/8"	1.81"	7/8"	1.95"	7/8"	2.09"	7/8"	2.23"	7/8"	2.37"	7/8"	2.51"	7/8"	2.65"	7/8"	2.79"	7/8"								
	84"	0.05"	9/16"	0.24"	11/16"	0.49"	11/16"	0.69"	13/16"	0.85"	7/8"	0.98"	1"	1.14"	1"	1.30"	1"	1.45"	1"	1.61"	1"	1.77"	1"	1.93"	1"	2.09"	1"	2.25"	1"	2.41"	1"	2.57"	1"	2.73"	1"	2.89"	1"	3.05"	1"	3.21"	1"								
	96"	0.05"	9/16"	0.26"	11/16"	0.55"	11/16"	0.80"	13/16"	0.99"	7/8"	1.14"	1"	1.26"	1-1/16"	1.44"	1-1/16"	1.61"	1-1/16"	1.78"	1-1/16"	1.95"	1-1/16"	2.12"	1-1/16"	2.29"	1-1/16"	2.46"	1-1/16"	2.63"	1-1/16"	2.80"	1-1/16"	2.97"	1-1/16"	3.14"	1-1/16"	3.31"	1-1/16"	3.48"	1-1/16"	3.65"	1-1/16"						
	108"	0.05"	9/16"	0.27"	11/16"	0.60"	11/16"	0.90"	13/16"	1.12"	7/8"	1.30"	1"	1.44"	1-1/16"	1.61"	1-1/16"	1.78"	1-1/16"	1.95"	1-1/16"	2.12"	1-1/16"	2.29"	1-1/16"	2.46"	1-1/16"	2.63"	1-1/16"	2.80"	1-1/16"	2.97"	1-1/16"	3.14"	1-1/16"	3.31"	1-1/16"	3.48"	1-1/16"	3.65"	1-1/16"	3.82"	1-1/16"						
	120"	0.05"	9/16"	0.27"	11/16"	0.65"	11/16"	0.99"	13/16"	1.25"	7/8"	1.45"	1"	1.61"	1-1/16"	1.78"	1-1/16"	1.95"	1-1/16"	2.12"	1-1/16"	2.29"	1-1/16"	2.46"	1-1/16"	2.63"	1-1/16"	2.80"	1-1/16"	2.97"	1-1/16"	3.14"	1-1/16"	3.31"	1-1/16"	3.48"	1-1/16"	3.65"	1-1/16"	3.82"	1-1/16"	3.99"	1-1/16"						
132"	0.06"	9/16"	0.27"	11/16"	0.68"	11/16"	1.08"	13/16"	1.39"	7/8"	1.61"	1"	1.78"	1-1/16"	1.95"	1-1/16"	2.12"	1-1/16"	2.29"	1-1/16"	2.46"	1-1/16"	2.63"	1-1/16"	2.80"	1-1/16"	2.97"	1-1/16"	3.14"	1-1/16"	3.31"	1-1/16"	3.48"	1-1/16"	3.65"	1-1/16"	3.82"	1-1/16"	3.99"	1-1/16"	4.16"	1-1/16"							
<b>50 psf</b>	24"	0.00"	9/16"	0.02"	9/16"	0.03"	9/16"	0.04"	9/16"	0.04"	9/16"	0.04"	9/16"	0.04"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	**	9/16"						
	36"	0.02"	9/16"	0.08"	5/8"	0.11"	5/8"	0.15"	5/8"	0.18"	5/8"	0.21"	5/8"	0.22"	5/8"	0.23"	5/8"	0.23"	5/8"	0.23"	5/8"	0.23"	5/8"	0.23"	5/8"	0.23"	5/8"	0.23"	5/8"	0.23"	5/8"	0.23"	5/8"	0.23"	5/8"	0.23"	5/8"	0.23"	5/8"	**	5/8"								
	48"	0.03"	9/16"	0.11"	5/8"	0.22"	11/16"	0.29"	11/16"	0.36"	11/16"	0.43"	11/16"	0.48"	11/16"	0.53"	11/16"	0.56"	11/16"	0.59"	11/16"	0.62"	11/16"	0.64"	11/16"	0.64"	11/16"	0.64"	11/16"	0.64"	11/16"	0.64"	11/16"	0.64"	11/16"	0.64"	11/16"	0.64"	11/16"	0.64"	11/16"	**	11/16"						
	60"	0.04"	9/16"	0.15"	5/8"	0.29"	11/16"	0.41"	3/4"	0.52"	3/4"	0.62"	3/4"	0.71"	3/4"	0.80"	3/4"	0.89"	3/4"	0.96"	3/4"	1.04"	3/4"	1.10"	3/4"	1.10"	3/4"	1.10"	3/4"	1.10"	3/4"	1.10"	3/4"	1.10"	3/4"	1.10"	3/4"	1.10"	3/4"	1.10"	3/4"	1.10"	3/4"	1.10"	3/4"				
	72"	0.04"	9/16"	0.18"	5/8"	0.36"	11/16"	0.52"	3/4"	0.64"	13/16"	0.77"	13/16"	0.90"	13/16"	1.02"	13/16"	1.14"	13/16"	1.25"	13/16"	1.37"	13/16"	1.48"	13/16"	1.59"	13/16"	1.70"	13/16"	1.81"	13/16"	1.92"	13/16"	2.03"	13/16"	2.14"	13/16"	2.25"	13/16"	2.36"	13/16"	2.47"	13/16"	2.58"	13/16"	2.69"	13/16"	2.80"	13/16"
	84"	0.04"	9/16"	0.21"	5/8"	0.43"	11/16"	0.62"	3/4"	0.77"	13/16"	0.89"	7/8"	1.04"	7/8"	1.16"	7/8"	1.32"	7/8"	1.47"	7/8"	1.62"	7/8"	1.76"	7/8"	1.90"	7/8"	2.04"	7/8"	2.18"	7/8"	2.32"	7/8"	2.46"	7/8"	2.60"	7/8"	2.74"	7/8"	2.88"	7/8"	3.02"	7/8"	3.16"	7/8"	3.30"	7/8"		
	96"	0.04"	9/16"	0.22"	5/8"	0.48"	11/16"	0.71"	3/4"	0.90"	13/16"	1.04"	7/8"	1.16"	15/16"	1.32"	15/16"	1.48"	15/16"	1.64"	15/16"	1.81"	15/16"	1.97"	15/16"	2.14"	15/16"	2.30"	15/16"	2.46"	15/16"	2.62"	15/16"	2.78"	15/16"	2.94"	15/16"	3.10"	15/16"	3.26"	15/16"	3.42"	15/16"	3.58"	15/16"	3.74"	15/16"		
	108"	0.05"	9/16"	0.23"	5/8"	0.53"	11/16"	0.80"	3/4"	1.02"	13/16"	1.19"	7/8"	1.32"	15/16"	1.44"	1"	1.61"	1"	1.78"	1"	1.95"	1"	2.12"	1"	2.29"	1"	2.46"	1"	2.63"	1"	2.80"	1"	2.97"	1"	3.14"	1"	3.31"	1"	3.48"	1"	3.65"	1"	3.82"	1"				
	120"	0.05"	9/16"	0.23"	5/8"	0.56"	11/16"	0.89"	3/4"	1.14"	13/16"	1.33"	7/8"	1.48"	15/16"	1.61"	1"	1.72"	1-1/8"	1.84"	1-1/8"	1.96"	1-1/8"	2.08"	1-1/8"	2.20"	1-1/8"	2.32"	1-1/8"	2.44"	1-1/8"	2.56"	1-1/8"	2.68"	1-1/8"	2.80"	1-1/8"	2.92"	1-1/8"	3.04"	1-1/8"	3.16"	1-1/8"	3.28"	1-1/8"	3.40"	1-1/8"		
132"	0.05"	9/16"	0.23"	5/8"	0.59"	11/16"	0.96"	3/4"	1.25"	13/16"	1.47"	7/8"	1.64"	15/16"	1.78"	1"	1.91"	1-1/8"	2.05"	1-1/8"	2.19"	1-1/8"	2.33"	1-1/8"	2.47"	1-1/8"	2.61"	1-1/8"	2.75"	1-1/8"	2.89"	1-1/8"	3.03"	1-1/8"	3.17"	1-1/8"	3.31"	1-1/8"	3.45"	1-1/8"	3.59"	1-1/8"	3.73"	1-1/8"					
<b>40 psf</b>	24"	0.00"	1/2"	0.00"	1/2"	0.02"	1/2"	0.03"	1/2"	0.03"	1/2"	0.03"	1/2"	0.03"	1/2"	0.03"	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"	0.04"	1/2"	0.04"	1/2"	0.04"	1/2"	**	1/2"								
	36"	0.00"	1/2"	0.06"	9/16"	0.09"	9/16"	0.12"	9/16"	0.15"	9/16"	0.17"	9/16"	0.18"	9/16"	0.19"	9/16"	0.19"	9/16"	0.18"	9/16"	0.18"	9/16"	0.18"	9/16"	0.18"	9/16"	0.18"	9/16"	0.18"	9/16"	0.18"	9/16"	0.18"	9/16"	0.18"	9/16"	0.18"	9/16"	0.18"	9/16"	**	9/16"						
	48"	0.02"	1/2"	0.09"	9/16"	0.18"	5/8"	0.25"	5/8"	0.31"	5/8"	0.36"	5/8"	0.41"	5/8"	0.44"	5/8"	0.47"	5/8"	0.50"	5/8"	0.52"	5/8"	0.53"	5/8"	0.53"	5/8"	0.53"	5/8"	0.53"	5/8"	0.53"	5/8"	0.53"	5/8"	0.53"	5/8"	0.53"	5/8"	0.53"	5/8"	0.53"	5/8"	**	5/8"				
	60"	0.03"	1/2"	0.12"	9/16"	0.25"	5/8"	0.36"	11/16"	0.45"	11/16"	0.54"	11/16"	0.62"	11/16"	0.70"	11/16"	0.77"	11/16"	0.83"	11/16"	0.89"	11/16"	0.95"	11/16"	1.00"	11/16"	1.05"	11/16"	1.05"	11/16"	1.05"	11/16"	1.05"	11/16"	1.05"	11/16"	1.05"	11/16"	1.05"	11/16"	1.05"	11/16"	**	11/16"				
	72"	0.03"	1/2"	0.15"	9/16"	0.31"	5/8"	0.45"	11/16"	0.57"	11/16"	0.68"	11/16"	0.79"	11/16"	0.90"	11/16"	1.00"	11/16"	1.09"	11/16"	1.18"	11/16"	1.27"	11/16"	1.36"	11/16"	1.45"	11/16"	1.54"	11/16"	1.63"	11/16"	1.72"	11/16"	1.81"	11/16"	1.90"	11/16"	1.99"	11/16"	2.08"	11/16"	2.17"	11/16"	2.26"	11/16"	2.35"	11/16"
	84"	0.04"	1/2"	0.17"	9/16"	0.36"	5/8"	0.54"	11/16"	0.68"	11/16"	0.80"	3/4"	0.93"	3/4"	1.06"	3/4"	1.19"	3/4"	1.32"	3/4"	1.44"	3/4"	1.57"	3/4"	1.70"	3/4"	1.83"	3/4"	1.96"	3/4"	2.09"	3/4"	2.22"	3/4"	2.35"	3/4"	2.48"	3/4"	2.61"	3/4"	2.74"	3/4"	2.87"	3/4"	3.00"	3/4"		
	96"	0.03"	1/2"	0.18"	9/16"	0.41"	5/8"	0.62"	11/16"	0.79"	11/16"	0.93"	3/4"	1.04"	13/16"	1.19"	13/16"	1.34"	13/16"	1.48"	13/16"	1.63"	13/16"	1.78"	13/16"	1.93"	13/16"	2.08"	13/16"	2.23"	13/16"	2.38"	13/16"	2.53"	13/16"	2.68"	13/16"	2.83"	13/16"	2.98"	13/16"	3.13"	13/16"	3.28"	13/16"	3.43"	13/16"		
	108"	0.03"	1/2"	0.18"	9/16"	0.44"	5/8"	0.80"	11/16"	0.90"	11/16"	1.06"	3/4"																																				



### Deflection and Sightline Reference Guide

1-1/16" Insulating Unit																																					
Constructed with a 5/16" outboard and 1/4" inboard, both plies 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	Deflection	Sightline
60 psf	24"	0.00"	9/16"	0.02"	9/16"	0.04"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.06"	9/16"	0.06"	9/16"	0.06"	9/16"	0.06"	9/16"	0.06"	9/16"	0.06"	9/16"	0.06"	9/16"	**	9/16"		
	36"	0.02"	9/16"	0.09"	11/16"	0.14"	11/16"	0.18"	11/16"	0.22"	11/16"	0.24"	11/16"	0.26"	11/16"	0.27"	11/16"	0.27"	11/16"	0.27"	11/16"	0.27"	11/16"	0.27"	11/16"	0.27"	11/16"	0.27"	11/16"	0.27"	11/16"	0.27"	11/16"	**	11/16"		
	48"	0.04"	9/16"	0.14"	11/16"	0.25"	11/16"	0.34"	11/16"	0.42"	11/16"	0.49"	11/16"	0.55"	11/16"	0.60"	11/16"	0.65"	11/16"	0.68"	11/16"	0.72"	11/16"	0.75"	11/16"	0.77"	11/16"	0.79"	11/16"	0.81"	11/16"	**	11/16"	**	11/16"		
	60"	0.05"	9/16"	0.18"	11/16"	0.34"	11/16"	0.47"	13/16"	0.58"	13/16"	0.69"	13/16"	0.80"	13/16"	0.90"	13/16"	0.99"	13/16"	1.08"	13/16"	1.17"	13/16"	1.25"	13/16"	1.33"	13/16"	1.41"	13/16"	1.49"	13/16"	**	13/16"	**	13/16"		
	72"	0.05"	9/16"	0.22"	11/16"	0.42"	11/16"	0.58"	13/16"	0.71"	7/8"	0.85"	7/8"	0.99"	7/8"	1.12"	7/8"	1.25"	7/8"	1.39"	7/8"	1.51"	7/8"	1.64"	7/8"	1.78"	7/8"	1.91"	7/8"	2.05"	7/8"	**	7/8"	**	7/8"		
	84"	0.05"	9/16"	0.24"	11/16"	0.49"	11/16"	0.69"	13/16"	0.85"	7/8"	0.98"	1"	1.14"	1"	1.30"	1"	1.45"	1"	1.61"	1"	1.77"	1"	1.93"	1"	2.10"	1"	2.27"	1"	2.45"	1"	**	1"	**	1"		
	96"	0.05"	9/16"	0.26"	11/16"	0.55"	11/16"	0.80"	13/16"	0.99"	7/8"	1.14"	1"	1.26"	1-1/16"	1.44"	1-1/16"	1.61"	1-1/16"	1.78"	1-1/16"	1.96"	1-1/16"	2.14"	1-1/16"	2.33"	1-1/16"	2.52"	1-1/16"	2.73"	1-1/16"	**	1-1/16"	**	1-1/16"		
	108"	0.05"	9/16"	0.27"	11/16"	0.60"	11/16"	0.90"	13/16"	1.12"	7/8"	1.30"	1"	1.44"	1-1/16"	1.56"	1-3/16"	1.74"	1-3/16"	1.93"	1-3/16"	2.12"	1-3/16"	2.31"	1-3/16"	2.50"	1-3/16"	2.71"	1-3/16"	2.92"	1-3/16"	**	1-3/16"	**	1-3/16"		
120"	0.05"	9/16"	0.27"	11/16"	0.65"	11/16"	0.99"	13/16"	1.25"	7/8"	1.45"	1"	1.61"	1-1/16"	1.74"	1-3/16"	1.86"	1-1/4"	2.05"	1-1/4"	2.25"	1-1/4"	2.45"	1-1/4"	2.65"	1-1/4"	2.86"	1-1/4"	3.08"	1-1/4"	**	1-1/4"	**	1-1/4"			
132"	0.06"	9/16"	0.27"	11/16"	0.68"	11/16"	1.08"	13/16"	1.39"	7/8"	1.61"	1"	1.78"	1-1/16"	1.93"	1-3/16"	2.05"	1-1/4"	2.17"	1-5/16"	2.37"	1-5/16"	2.57"	1-5/16"	2.77"	1-5/16"	2.98"	1-5/16"	3.20"	1-5/16"	**	1-5/16"	**	1-5/16"			
50 psf	24"	0.00"	9/16"	0.02"	9/16"	0.03"	9/16"	0.04"	9/16"	0.04"	9/16"	0.04"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	**	9/16"	**	9/16"		
	36"	0.02"	9/16"	0.08"	5/8"	0.11"	5/8"	0.15"	5/8"	0.18"	5/8"	0.21"	5/8"	0.22"	5/8"	0.23"	5/8"	0.23"	5/8"	0.23"	5/8"	0.23"	5/8"	0.23"	5/8"	0.23"	5/8"	0.23"	5/8"	0.23"	5/8"	**	5/8"	**	5/8"		
	48"	0.03"	9/16"	0.11"	5/8"	0.22"	11/16"	0.29"	11/16"	0.36"	11/16"	0.43"	11/16"	0.48"	11/16"	0.53"	11/16"	0.56"	11/16"	0.59"	11/16"	0.62"	11/16"	0.64"	11/16"	0.66"	11/16"	0.67"	11/16"	0.69"	11/16"	**	11/16"	**	11/16"		
	60"	0.04"	9/16"	0.15"	5/8"	0.29"	11/16"	0.41"	3/4"	0.52"	3/4"	0.62"	3/4"	0.71"	3/4"	0.80"	3/4"	0.89"	3/4"	0.96"	3/4"	1.04"	3/4"	1.10"	3/4"	1.17"	3/4"	1.23"	3/4"	1.30"	3/4"	**	3/4"	**	3/4"		
	72"	0.04"	9/16"	0.18"	5/8"	0.36"	11/16"	0.52"	3/4"	0.64"	13/16"	0.77"	13/16"	0.90"	13/16"	1.02"	13/16"	1.14"	13/16"	1.25"	13/16"	1.37"	13/16"	1.48"	13/16"	1.60"	13/16"	1.71"	13/16"	1.83"	13/16"	**	13/16"	**	13/16"		
	84"	0.04"	9/16"	0.21"	5/8"	0.43"	11/16"	0.62"	3/4"	0.77"	13/16"	0.89"	7/8"	1.04"	7/8"	1.19"	7/8"	1.33"	7/8"	1.47"	7/8"	1.62"	7/8"	1.76"	7/8"	1.91"	7/8"	2.06"	7/8"	2.22"	7/8"	**	7/8"	**	7/8"		
	96"	0.04"	9/16"	0.22"	5/8"	0.48"	11/16"	0.71"	3/4"	0.90"	13/16"	1.04"	7/8"	1.16"	15/16"	1.32"	15/16"	1.48"	15/16"	1.64"	15/16"	1.81"	15/16"	1.97"	15/16"	2.14"	15/16"	2.32"	15/16"	2.50"	15/16"	**	15/16"	**	15/16"		
	108"	0.05"	9/16"	0.23"	5/8"	0.53"	11/16"	0.80"	3/4"	1.02"	13/16"	1.19"	7/8"	1.32"	15/16"	1.44"	1"	1.61"	1"	1.78"	1"	1.96"	1"	2.14"	1"	2.32"	1"	2.50"	1"	2.70"	1"	**	1"	**	1"		
120"	0.05"	9/16"	0.23"	5/8"	0.56"	11/16"	0.89"	3/4"	1.14"	13/16"	1.33"	7/8"	1.48"	15/16"	1.61"	1"	1.72"	1-1/8"	1.91"	1-1/8"	2.09"	1-1/8"	2.27"	1-1/8"	2.46"	1-1/8"	2.65"	1-1/8"	2.86"	1-1/8"	**	1-1/8"	**	1-1/8"			
132"	0.05"	9/16"	0.23"	5/8"	0.59"	11/16"	0.96"	3/4"	1.25"	13/16"	1.47"	7/8"	1.64"	15/16"	1.78"	1"	1.91"	1-1/8"	2.02"	1-3/16"	2.21"	1-3/16"	2.39"	1-3/16"	2.59"	1-3/16"	2.78"	1-3/16"	2.99"	1-3/16"	**	1-3/16"	**	1-3/16"			
40 psf	24"	0.00"	1/2"	0.00"	1/2"	0.02"	1/2"	0.03"	1/2"	0.03"	1/2"	0.04"	1/2"	0.03"	1/2"	0.03"	1/2"	0.03"	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"	**	1/2"	**	1/2"		
	36"	0.00"	1/2"	0.06"	9/16"	0.09"	9/16"	0.12"	9/16"	0.15"	9/16"	0.17"	9/16"	0.18"	9/16"	0.19"	9/16"	0.18"	9/16"	0.18"	9/16"	0.18"	9/16"	0.18"	9/16"	0.18"	9/16"	0.18"	9/16"	0.18"	9/16"	**	9/16"	**	9/16"		
	48"	0.02"	1/2"	0.09"	9/16"	0.18"	5/8"	0.25"	5/8"	0.31"	5/8"	0.36"	5/8"	0.41"	5/8"	0.44"	5/8"	0.47"	5/8"	0.50"	5/8"	0.52"	5/8"	0.53"	5/8"	0.54"	5/8"	0.55"	5/8"	0.56"	5/8"	**	5/8"	**	5/8"		
	60"	0.03"	1/2"	0.12"	9/16"	0.25"	5/8"	0.36"	11/16"	0.45"	11/16"	0.54"	11/16"	0.62"	11/16"	0.70"	11/16"	0.77"	11/16"	0.83"	11/16"	0.89"	11/16"	0.95"	11/16"	1.00"	11/16"	1.05"	11/16"	1.09"	11/16"	**	11/16"	**	11/16"		
	72"	0.03"	1/2"	0.15"	9/16"	0.31"	5/8"	0.45"	11/16"	0.57"	11/16"	0.68"	11/16"	0.79"	11/16"	0.90"	11/16"	1.00"	11/16"	1.08"	11/16"	1.20"	11/16"	1.30"	11/16"	1.39"	11/16"	1.49"	11/16"	1.58"	11/16"	**	11/16"	**	11/16"		
	84"	0.04"	1/2"	0.17"	9/16"	0.36"	5/8"	0.54"	11/16"	0.68"	11/16"	0.80"	3/4"	0.93"	3/4"	1.06"	3/4"	1.19"	3/4"	1.32"	3/4"	1.44"	3/4"	1.57"	3/4"	1.70"	3/4"	1.83"	3/4"	1.96"	3/4"	**	3/4"	**	3/4"		
	96"	0.03"	1/2"	0.18"	9/16"	0.41"	5/8"	0.62"	11/16"	0.79"	11/16"	0.93"	3/4"	1.04"	13/16"	1.19"	13/16"	1.34"	13/16"	1.48"	13/16"	1.63"	13/16"	1.78"	13/16"	1.93"	13/16"	2.08"	13/16"	2.24"	13/16"	**	13/16"	**	13/16"		
	108"	0.03"	1/2"	0.18"	9/16"	0.44"	5/8"	0.80"	11/16"	0.90"	11/16"	1.06"	3/4"	1.19"	13/16"	1.30"	7/8"	1.46"	7/8"	1.62"	7/8"	1.78"	7/8"	1.94"	7/8"	2.10"	7/8"	2.27"	7/8"	2.44"	7/8"	**	7/8"	**	7/8"		
120"	0.03"	1/2"	0.19"	9/16"	0.47"	5/8"	0.77"	11/16"	1.00"	11/16"	1.19"	3/4"	1.34"	13/16"	1.46"	7/8"	1.57"	15/16"	1.74"	15/16"	1.90"	15/16"	2.07"	15/16"	2.24"	15/16"	2.42"	15/16"	2.60"	15/16"	**	15/16"	**	15/16"			
132"	0.04"	1/2"	0.18"	9/16"	0.50"	5/8"	0.83"	11/16"	1.11"	11/16"	1.32"	3/4"	1.48"	13/16"	1.62"	7/8"	1.74"	15/16"	1.84"	1"	2.02"	1"	2.19"	1"	2.37"	1"	2.55"	1"	2.73"	1"	**	1"	**	1"			
30 psf	24"	0.00"	1/2"	0.00"	1/2"	0.01"	1/2"	0.02"	1/2"	0.02"	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"	**	1/2"	**	1/2"				
	36"	0.00"	1/2"	0.04"	9/16"	0.07"	9/16"	0.09"	9/16"	0.11"	9/16"	0.13"	9/16"	0.13"	9/16"	0.14"	9/16"	0.14"	9/16"	0.14"	9/16"	0.14"	9/16"	0.14"	9/16"	0.14"	9/16"	0.14"	9/16"	0.14"	9/16"	**	9/16"	**	9/16"		
	48"	0.01"	1/2"	0.07"	9/16"	0.14"	9/16"	0.19"	9/16"	0.24"	9/16"	0.29"	9/16"	0.32"	9/16"	0.35"	9/16"	0.38"	9/16"	0.39"	9/16"	0.40"	9/16"	0.41"	9/16"	0.42"	9/16"	0.42"	9/16"	0.43"	9/16"	**	9/16"	**	9/16"		
	60"	0.02"	1/2"	0.09"	9/16"	0.19"	9/16"	0.29"	5/8"	0.37"	5/8"	0.44"	5/8"	0.51"	5/8"	0.58"	5/8"	0.63"	5/8"	0.68"	5/8"	0.73"	5/8"	0.77"	5/8"	0.81"	5/8"	0.84"	5/8"	0.87"	5/8"	**	5/8"	**	5/8"		
	72"	0.02"	1/2"	0.11"	9/16"	0.24"	9/16"	0.37"	5/8"	0.48"	11/16"	0.57"	11/16"	0.67"	11/16"	0.76"	11/16"	0.85"	11/16"	0.93"	11/16"	1.01"	11/16"	1.09"	11/16"	1.17"	11/16"	1.24"	11/16"	1.31"	11/16"	**	11/16"	**	11/16"		
	84"	0.03"	1/2"	0.13"	9/16"	0.29"	9/16"	0.44"	5/8"	0.57"	11/16"	0.68"	11/16"	0.80"	11/16"	0.91"	11/16"	1.02"	11/16"	1.13"	11/16"	1.24"	11/16"	1.35"	11/16"	1.45"	11/16"	1.56"	11/16"	1.66"	11/16"	**	11/16"	**	11/16"		
	96"	0.03"	1/2"	0.13"	9/16"	0.32"	9/16"	0.51"	5/8"	0.67"	11/16"	0.80"	11/16"	0.90"	11/16"	1.03"	11/16"	1.16"	11/16"	1.29"	11/16"	1.42"															



### Deflection and Sightline Reference Guide

1-1/8" Insulating Unit																																																	
Constructed with a 3/8" outboard and 1/4" inboard, both plies heat strengthened (HS) 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"	5/8"	0.00"	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"	0.04"	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"	0.00"	5/8"	0.06"	11/16"	0.09"	11/16"	0.12"	11/16"	0.14"	11/16"	0.16"	11/16"	0.17"	11/16"	0.18"	11/16"	0.18"	11/16"	0.18"	11/16"	0.18"	11/16"	0.18"	11/16"	0.17"	11/16"	0.17"	11/16"	0.17"	11/16"	0.17"	11/16"	0.17"	11/16"	0.17"	11/16"	0.17"	11/16"	0.17"	11/16"								
	48"	0.02"	5/8"	0.09"	11/16"	0.18"	3/4"	0.25"	3/4"	0.31"	3/4"	0.36"	3/4"	0.41"	3/4"	0.45"	3/4"	0.48"	3/4"	0.50"	3/4"	0.51"	3/4"	0.53"	3/4"	0.53"	3/4"	0.53"	3/4"	0.54"	3/4"	0.54"	3/4"	0.54"	3/4"	0.54"	3/4"	0.54"	3/4"	0.54"	3/4"	0.54"	3/4"						
	60"	0.03"	5/8"	0.12"	11/16"	0.25"	3/4"	0.37"	7/8"	0.47"	7/8"	0.56"	7/8"	0.65"	7/8"	0.73"	7/8"	0.80"	7/8"	0.86"	7/8"	0.92"	7/8"	0.97"	7/8"	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.								
	72"	0.03"	5/8"	0.14"	11/16"	0.31"	3/4"	0.47"	7/8"	0.60"	15/16"	0.72"	15/16"	0.84"	15/16"	0.96"	15/16"	1.07"	15/16"	1.17"	15/16"	1.27"	15/16"	1.37"	15/16"	1.47"	15/16"	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.								
	84"	0.03"	5/8"	0.16"	11/16"	0.36"	3/4"	0.56"	7/8"	0.72"	15/16"	0.85"	1-1/16"	1.00"	1-1/16"	1.14"	1-1/16"	1.28"	1-1/16"	1.42"	1-1/16"	1.56"	1-1/16"	1.70"	1-1/16"	1.84"	1-1/16"	1.98"	1-1/16"	2.12"	1-1/16"	2.26"	1-1/16"	2.40"	1-1/16"	2.54"	1-1/16"	2.68"	1-1/16"	2.82"	1-1/16"	2.96"	1-1/16"						
	96"	0.03"	5/8"	0.17"	11/16"	0.41"	3/4"	0.65"	7/8"	0.84"	15/16"	1.00"	1-1/16"	1.13"	1-3/16"	1.29"	1-3/16"	1.45"	1-3/16"	1.61"	1-3/16"	1.77"	1-3/16"	1.93"	1-3/16"	2.09"	1-3/16"	2.25"	1-3/16"	2.41"	1-3/16"	2.57"	1-3/16"	2.73"	1-3/16"	2.89"	1-3/16"	3.05"	1-3/16"	3.21"	1-3/16"	3.37"	1-3/16"	3.53"	1-3/16"				
	108"	0.03"	5/8"	0.18"	11/16"	0.45"	3/4"	0.73"	7/8"	0.96"	15/16"	1.14"	1-1/16"	1.29"	1-3/16"	1.42"	1-1/4"	1.59"	1-1/4"	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.								
	120"	0.03"	5/8"	0.18"	11/16"	0.48"	3/4"	0.80"	7/8"	1.07"	15/16"	1.28"	1-1/16"	1.45"	1-3/16"	1.59"	1-1/4"	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.	FT req.								
	132"	0.04"	5/8"	0.18"	11/16"	0.50"	3/4"	0.86"	7/8"	1.17"	15/16"	1.42"	1-1/16"	1.61"	1-3/16"	1.77"	1-3/16"	1.93"	1-3/16"	2.09"	1-3/16"	2.25"	1-3/16"	2.41"	1-3/16"	2.57"	1-3/16"	2.73"	1-3/16"	2.89"	1-3/16"	3.05"	1-3/16"	3.21"	1-3/16"	3.37"	1-3/16"	3.53"	1-3/16"	3.69"	1-3/16"	3.85"	1-3/16"	4.01"	1-3/16"	4.17"	1-3/16"		
50 psf	24"	0.00"	9/16"	0.00"	9/16"	0.01"	9/16"	0.02"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"						
	36"	0.00"	9/16"	0.05"	11/16"	0.07"	11/16"	0.10"	11/16"	0.12"	11/16"	0.13"	11/16"	0.14"	11/16"	0.15"	11/16"	0.15"	11/16"	0.15"	11/16"	0.15"	11/16"	0.15"	11/16"	0.15"	11/16"	0.15"	11/16"	0.15"	11/16"	0.15"	11/16"	0.15"	11/16"	0.15"	11/16"	0.15"	11/16"	0.15"	11/16"	0.15"	11/16"	0.15"	11/16"				
	48"	0.01"	9/16"	0.07"	11/16"	0.16"	11/16"	0.21"	11/16"	0.26"	11/16"	0.31"	11/16"	0.35"	11/16"	0.39"	11/16"	0.43"	11/16"	0.47"	11/16"	0.51"	11/16"	0.55"	11/16"	0.59"	11/16"	0.63"	11/16"	0.67"	11/16"	0.71"	11/16"	0.75"	11/16"	0.79"	11/16"	0.83"	11/16"	0.87"	11/16"	0.91"	11/16"	0.95"	11/16"	0.99"	11/16"	1.03"	11/16"
	60"	0.02"	9/16"	0.10"	11/16"	0.21"	11/16"	0.33"	3/4"	0.41"	3/4"	0.49"	3/4"	0.57"	3/4"	0.64"	3/4"	0.70"	3/4"	0.76"	3/4"	0.81"	3/4"	0.85"	3/4"	0.89"	3/4"	0.93"	3/4"	0.97"	3/4"	1.01"	3/4"	1.05"	3/4"	1.09"	3/4"	1.13"	3/4"	1.17"	3/4"	1.21"	3/4"	1.25"	3/4"	1.29"	3/4"		
	72"	0.03"	9/16"	0.12"	11/16"	0.26"	11/16"	0.41"	3/4"	0.53"	7/8"	0.64"	7/8"	0.75"	7/8"	0.86"	7/8"	0.96"	7/8"	1.05"	7/8"	1.14"	7/8"	1.22"	7/8"	1.31"	7/8"	1.39"	7/8"	1.47"	7/8"	1.55"	7/8"	1.63"	7/8"	1.71"	7/8"	1.79"	7/8"	1.87"	7/8"	1.95"	7/8"	2.03"	7/8"	2.11"	7/8"	2.19"	7/8"
	84"	0.03"	9/16"	0.13"	11/16"	0.31"	11/16"	0.49"	3/4"	0.64"	7/8"	0.77"	15/16"	0.90"	15/16"	1.03"	1"	1.18"	1"	1.32"	1"	1.47"	1"	1.62"	1"	1.76"	1"	1.91"	1"	2.05"	1"	2.20"	1"	2.34"	1"	2.48"	1"	2.63"	1"	2.77"	1"	2.91"	1"	3.05"	1"				
	96"	0.03"	9/16"	0.14"	11/16"	0.35"	11/16"	0.57"	3/4"	0.75"	7/8"	0.90"	15/16"	1.03"	1"	1.18"	1"	1.32"	1"	1.47"	1"	1.62"	1"	1.76"	1"	1.91"	1"	2.05"	1"	2.20"	1"	2.34"	1"	2.48"	1"	2.63"	1"	2.77"	1"	2.91"	1"	3.05"	1"	3.19"	1"				
	108"	0.03"	9/16"	0.15"	11/16"	0.39"	11/16"	0.64"	3/4"	0.86"	7/8"	1.03"	15/16"	1.18"	1"	1.30"	1-1/8"	1.46"	1-1/8"	1.63"	1-1/8"	1.79"	1-1/8"	1.95"	1-1/8"	2.11"	1-1/8"	2.27"	1-1/8"	2.43"	1-1/8"	2.59"	1-1/8"	2.75"	1-1/8"	2.91"	1-1/8"	3.07"	1-1/8"	3.23"	1-1/8"	3.39"	1-1/8"	3.55"	1-1/8"				
	120"	0.03"	9/16"	0.15"	11/16"	0.41"	11/16"	0.70"	3/4"	0.96"	7/8"	1.16"	15/16"	1.32"	1"	1.46"	1-1/8"	1.58"	1-3/16"	1.76"	1-3/16"	1.93"	1-3/16"	2.10"	1-3/16"	2.27"	1-3/16"	2.44"	1-3/16"	2.61"	1-3/16"	2.78"	1-3/16"	2.95"	1-3/16"	3.12"	1-3/16"	3.29"	1-3/16"	3.46"	1-3/16"	3.63"	1-3/16"	3.80"	1-3/16"				
	132"	0.03"	9/16"	0.15"	11/16"	0.43"	11/16"	0.76"	3/4"	1.05"	7/8"	1.28"	15/16"	1.47"	1"	1.63"	1-1/8"	1.76"	1-3/16"	1.88"	1-1/4"	2.01"	1-1/4"	2.14"	1-1/4"	2.27"	1-1/4"	2.40"	1-1/4"	2.53"	1-1/4"	2.66"	1-1/4"	2.79"	1-1/4"	2.92"	1-1/4"	3.05"	1-1/4"	3.18"	1-1/4"	3.31"	1-1/4"	3.44"	1-1/4"				
40 psf	24"	0.00"	9/16"	0.00"	9/16"	0.01"	9/16"	0.01"	9/16"	0.02"	9/16"	0.02"	9/16"	0.02"	9/16"	0.02"	9/16"	0.02"	9/16"	0.02"	9/16"	0.02"	9/16"	0.02"	9/16"	0.02"	9/16"	0.02"	9/16"	0.02"	9/16"	0.02"	9/16"	0.02"	9/16"	0.02"	9/16"	0.02"	9/16"	0.02"	9/16"	0.02"	9/16"						
	36"	0.00"	9/16"	0.04"	5/8"	0.05"	5/8"	0.08"	5/8"	0.09"	5/8"	0.11"	5/8"	0.11"	5/8"	0.12"	5/8"	0.12"	5/8"	0.12"	5/8"	0.12"	5/8"	0.12"	5/8"	0.12"	5/8"	0.12"	5/8"	0.12"	5/8"	0.12"	5/8"	0.12"	5/8"	0.12"	5/8"	0.12"	5/8"	0.12"	5/8"	0.12"	5/8"						
	48"	0.01"	9/16"	0.05"	5/8"	0.12"	11/16"	0.17"	11/16"	0.21"	11/16"	0.26"	11/16"	0.29"	11/16"	0.32"	11/16"	0.34"	11/16"	0.35"	11/16"	0.36"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"				
	60"	0.01"	9/16"	0.08"	5/8"	0.17"	11/16"	0.27"	11/16"	0.35"	11/16"	0.42"	11/16"	0.48"	11/16"	0.55"	11/16"	0.60"	11/16"	0.64"	11/16"	0.68"	11/16"	0.72"	11/16"	0.76"	11/16"	0.80"	11/16"	0.84"	11/16"	0.88"	11/16"	0.92"	11/16"	0.96"	11/16"	1.00"	11/16"	1.04"	11/16"	1.08"	11/16"	1.12"	11/16"	1.16"	11/16"		
	72"	0.02"	9/16"	0.09"	5/8"	0.21"	11/16"	0.35"	11/16"	0.46"	3/4"	0.56"	3/4"	0.65"	3/4"	0.75"	3/4"	0.83"	3/4"	0.90"	3/4"	0.97"	3/4"	1.04"	3/4"	1.11"	3/4"	1.18"	3/4"	1.25"	3/4"	1.32"	3/4"	1.39"	3/4"	1.46"	3/4"	1.53"	3/4"	1.60"	3/4"	1.67"	3/4"	1.74"	3/4"	1.81"	3/4"		
	84"	0.02"	9/16"	0.11"	5/8"	0.26"	11/16"	0.42"	11/16"	0.56"	3/4"	0.68"	13/16"	0.80"	13/16"	0.91"	13/16"	1.02"	13/16"	1.13"	13/16"	1.24"	13/16"	1.34"	13/16"	1.44"	13/16"	1.54"	13/16"	1.64"	13/16"	1.74"	13/16"	1.84"	13/16"	1.94"	13/16"	2.04"	13/16"	2.14"	13/16"	2.24"	13/16"	2.34"	13/16"	2.44"	13/16"		
	96"	0.02"	9/16"	0.11"	5/8"	0.29"	11/16"	0.48"	11/16"	0.65"	3/4"	0.80"	13/16"	0.91"	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"	1.82"	7/8"	1.95"	7/8"	2.08"	7/8"	2.21"	7/8"	2.34"	7/8"	2.47"	7/8"	2.60"	7/8"	2.73"	7/8"	2.86"	7/8"				
	108"	0.02"	9/16"	0.12"	5/8"	0.32"	11/16"	0.55"	11/16"	0.75"	3/4"	0.91"	13/16"	1.15"	7/8"	1.17"	15/16"	1.31"	15/16"																														





### Deflection and Sightline Reference Guide

1-5/16" Insulating Laminated Unit																																													
Constructed with a 1/4" outboard and two plies of 1/4" laminated on the inboard, all plies heat strengthened (HS) 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										
<b>60 psf</b>	24"	0.02"	1/2"	0.04"	1/2"	0.07"	1/2"	0.07"	1/2"	0.06"	1/2"	0.06"	1/2"	0.04"	1/2"	0.04"	1/2"	0.04"	1/2"	0.05"	1/2"	0.06"	1/2"	0.06"	1/2"	0.07"	1/2"	0.08"	1/2"	0.10"	1/2"	**	1/2"	**	1/2"	**	1/2"								
	36"	0.04"	1/2"	0.10"	1/2"	0.17"	1/2"	0.20"	1/2"	0.23"	1/2"	0.23"	1/2"	0.23"	1/2"	0.21"	1/2"	0.21"	1/2"	0.20"	1/2"	0.18"	1/2"	0.19"	1/2"	0.19"	1/2"	0.18"	1/2"	0.20"	1/2"	**	1/2"	**	1/2"	**	1/2"								
	48"	0.07"	1/2"	0.17"	1/2"	0.24"	1/2"	0.29"	1/2"	0.34"	1/2"	0.39"	1/2"	0.44"	1/2"	0.45"	1/2"	0.47"	1/2"	0.49"	1/2"	0.50"	1/2"	0.51"	1/2"	0.51"	1/2"	0.51"	1/2"	0.51"	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"						
	60"	0.07"	1/2"	0.20"	1/2"	0.29"	1/2"	0.38"	1/2"	0.45"	1/2"	0.51"	1/2"	0.58"	1/2"	0.65"	1/2"	0.73"	1/2"	0.77"	1/2"	0.81"	1/2"	0.86"	1/2"	0.91"	1/2"	0.97"	1/2"	1.01"	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"						
	72"	0.06"	1/2"	0.23"	1/2"	0.34"	1/2"	0.45"	1/2"	0.54"	1/2"	0.64"	1/2"	0.72"	1/2"	0.81"	1/2"	0.90"	1/2"	1.00"	1/2"	1.09"	1/2"	1.17"	1/2"	FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.							
	84"	0.06"	1/2"	0.23"	1/2"	0.39"	1/2"	0.51"	1/2"	0.64"	1/2"	0.75"	1/2"	0.86"	1/2"	0.96"	1/2"	1.07"	1/2"	1.18"	1/2"	1.30"	1/2"	1.37"	1/2"	1.50"	1/2"	FT req.		FT req.		FT req.		FT req.		FT req.		FT req.							
	96"	0.04"	1/2"	0.23"	1/2"	0.44"	1/2"	0.58"	1/2"	0.72"	1/2"	0.86"	1/2"	0.99"	1/2"	1.11"	1/2"	1.24"	1/2"	1.37"	1/2"	1.50"	1/2"	FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.							
	108"	0.04"	1/2"	0.21"	1/2"	0.45"	1/2"	0.65"	1/2"	0.81"	1/2"	0.96"	1/2"	1.11"	1/2"	1.26"	1/2"	1.40"	1/2"	1.57"	1/2"	FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.							
	120"	0.04"	1/2"	0.21"	1/2"	0.47"	1/2"	0.73"	1/2"	0.90"	1/2"	1.07"	1/2"	1.24"	1/2"	1.40"	1/2"	1.56"	9/16"	FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.							
132"	0.05"	1/2"	0.20"	1/2"	0.49"	1/2"	0.77"	1/2"	1.00"	1/2"	1.18"	1/2"	1.37"	1/2"	FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.								
<b>50 psf</b>	24"	0.02"	1/2"	0.03"	1/2"	0.06"	1/2"	0.06"	1/2"	0.05"	1/2"	0.05"	1/2"	0.04"	1/2"	0.04"	1/2"	0.03"	1/2"	0.04"	1/2"	0.04"	1/2"	0.05"	1/2"	0.05"	1/2"	0.05"	1/2"	0.06"	1/2"	0.07"	1/2"	0.08"	1/2"	**	1/2"	**	1/2"	**	1/2"				
	36"	0.03"	1/2"	0.09"	1/2"	0.14"	1/2"	0.18"	1/2"	0.21"	1/2"	0.21"	1/2"	0.20"	1/2"	0.19"	1/2"	0.18"	1/2"	0.17"	1/2"	0.16"	1/2"	0.17"	1/2"	0.16"	1/2"	0.16"	1/2"	0.15"	1/2"	0.17"	1/2"	**	1/2"	**	1/2"	**	1/2"						
	48"	0.06"	1/2"	0.14"	1/2"	0.22"	1/2"	0.26"	1/2"	0.31"	1/2"	0.36"	1/2"	0.40"	1/2"	0.41"	1/2"	0.42"	1/2"	0.43"	1/2"	0.44"	1/2"	0.44"	1/2"	0.44"	1/2"	0.44"	1/2"	0.44"	1/2"	0.44"	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"				
	60"	0.06"	1/2"	0.18"	1/2"	0.26"	1/2"	0.34"	1/2"	0.41"	1/2"	0.46"	1/2"	0.52"	1/2"	0.59"	1/2"	0.65"	1/2"	0.72"	1/2"	0.79"	1/2"	0.86"	1/2"	0.92"	1/2"	0.99"	1/2"	1.06"	1/2"	1.12"	1/2"	1.19"	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"		
	72"	0.05"	1/2"	0.21"	1/2"	0.31"	1/2"	0.41"	1/2"	0.49"	1/2"	0.57"	1/2"	0.66"	1/2"	0.73"	1/2"	0.82"	1/2"	0.90"	1/2"	0.99"	1/2"	1.05"	1/2"	1.12"	1/2"	1.19"	1/2"	1.26"	1/2"	1.33"	1/2"	1.40"	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"		
	84"	0.04"	1/2"	0.21"	1/2"	0.36"	1/2"	0.46"	1/2"	0.57"	1/2"	0.68"	1/2"	0.78"	1/2"	0.88"	1/2"	0.97"	1/2"	1.07"	1/2"	1.18"	1/2"	1.28"	1/2"	1.39"	1/2"	1.48"	1/2"	1.58"	1/2"	1.68"	1/2"	1.78"	1/2"	1.88"	1/2"	1.98"	1/2"	2.08"	1/2"	2.18"	1/2"	2.28"	1/2"
	96"	0.04"	1/2"	0.20"	1/2"	0.40"	1/2"	0.52"	1/2"	0.66"	1/2"	0.78"	1/2"	0.90"	1/2"	1.01"	1/2"	1.13"	1/2"	1.24"	1/2"	1.36"	1/2"	1.48"	1/2"	1.60"	1/2"	1.72"	1/2"	1.84"	1/2"	1.96"	1/2"	2.08"	1/2"	2.20"	1/2"	2.32"	1/2"	2.44"	1/2"	2.56"	1/2"	2.68"	1/2"
	108"	0.03"	1/2"	0.19"	1/2"	0.41"	1/2"	0.59"	1/2"	0.73"	1/2"	0.88"	1/2"	1.01"	1/2"	1.15"	1/2"	1.28"	1/2"	1.41"	1/2"	1.54"	1/2"	1.67"	1/2"	1.80"	1/2"	1.93"	1/2"	2.06"	1/2"	2.19"	1/2"	2.32"	1/2"	2.45"	1/2"	2.58"	1/2"	2.71"	1/2"	2.84"	1/2"	2.97"	1/2"
	120"	0.04"	1/2"	0.18"	1/2"	0.42"	1/2"	0.65"	1/2"	0.82"	1/2"	0.97"	1/2"	1.13"	1/2"	1.28"	1/2"	1.42"	1/2"	1.57"	1/2"	1.71"	1/2"	1.85"	1/2"	1.99"	1/2"	2.13"	1/2"	2.27"	1/2"	2.41"	1/2"	2.55"	1/2"	2.69"	1/2"	2.83"	1/2"	2.97"	1/2"	3.11"	1/2"	3.25"	1/2"
132"	0.04"	1/2"	0.17"	1/2"	0.43"	1/2"	0.69"	1/2"	0.90"	1/2"	1.07"	1/2"	1.24"	1/2"	1.41"	1/2"	1.57"	1/2"	1.73"	1/2"	1.89"	1/2"	2.05"	1/2"	2.21"	1/2"	2.37"	1/2"	2.53"	1/2"	2.69"	1/2"	2.85"	1/2"	3.01"	1/2"	3.17"	1/2"	3.33"	1/2"	3.49"	1/2"	3.65"	1/2"	
<b>40 psf</b>	24"	0.01"	1/2"	0.03"	1/2"	0.04"	1/2"	0.05"	1/2"	0.04"	1/2"	0.04"	1/2"	0.03"	1/2"	0.03"	1/2"	0.03"	1/2"	0.03"	1/2"	0.03"	1/2"	0.04"	1/2"	0.04"	1/2"	0.05"	1/2"	0.06"	1/2"	0.07"	1/2"	**	1/2"	**	1/2"	**	1/2"						
	36"	0.03"	1/2"	0.07"	1/2"	0.11"	1/2"	0.16"	1/2"	0.18"	1/2"	0.18"	1/2"	0.17"	1/2"	0.16"	1/2"	0.15"	1/2"	0.15"	1/2"	0.13"	1/2"	0.13"	1/2"	0.13"	1/2"	0.13"	1/2"	0.12"	1/2"	0.14"	1/2"	**	1/2"	**	1/2"	**	1/2"						
	48"	0.04"	1/2"	0.11"	1/2"	0.19"	1/2"	0.24"	1/2"	0.28"	1/2"	0.31"	1/2"	0.35"	1/2"	0.36"	1/2"	0.36"	1/2"	0.36"	1/2"	0.37"	1/2"	0.37"	1/2"	0.37"	1/2"	0.37"	1/2"	0.37"	1/2"	0.37"	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"				
	60"	0.05"	1/2"	0.16"	1/2"	0.24"	1/2"	0.31"	1/2"	0.36"	1/2"	0.42"	1/2"	0.46"	1/2"	0.52"	1/2"	0.58"	1/2"	0.61"	1/2"	0.63"	1/2"	0.63"	1/2"	0.66"	1/2"	0.69"	1/2"	0.72"	1/2"	0.74"	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"				
	72"	0.04"	1/2"	0.18"	1/2"	0.28"	1/2"	0.36"	1/2"	0.45"	1/2"	0.51"	1/2"	0.58"	1/2"	0.65"	1/2"	0.72"	1/2"	0.80"	1/2"	0.87"	1/2"	0.92"	1/2"	0.99"	1/2"	1.03"	1/2"	1.07"	1/2"	1.11"	1/2"	1.15"	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"		
	84"	0.04"	1/2"	0.18"	1/2"	0.31"	1/2"	0.42"	1/2"	0.51"	1/2"	0.61"	1/2"	0.69"	1/2"	0.78"	1/2"	0.86"	1/2"	0.95"	1/2"	1.04"	1/2"	1.13"	1/2"	1.23"	1/2"	1.32"	1/2"	1.41"	1/2"	1.50"	1/2"	1.59"	1/2"	1.68"	1/2"	1.77"	1/2"	1.86"	1/2"	1.95"	1/2"	2.04"	1/2"
	96"	0.03"	1/2"	0.17"	1/2"	0.35"	1/2"	0.46"	1/2"	0.58"	1/2"	0.69"	1/2"	0.80"	1/2"	0.90"	1/2"	1.00"	1/2"	1.10"	1/2"	1.21"	1/2"	1.32"	1/2"	1.42"	1/2"	1.52"	1/2"	1.62"	1/2"	1.72"	1/2"	1.82"	1/2"	1.92"	1/2"	2.02"	1/2"	2.12"	1/2"	2.22"	1/2"	2.32"	1/2"
	108"	0.03"	1/2"	0.16"	1/2"	0.36"	1/2"	0.52"	1/2"	0.65"	1/2"	0.78"	1/2"	0.90"	1/2"	1.02"	1/2"	1.14"	1/2"	1.25"	1/2"	1.37"	1/2"	1.48"	1/2"	1.59"	1/2"	1.70"	1/2"	1.81"	1/2"	1.92"	1/2"	2.03"	1/2"	2.14"	1/2"	2.25"	1/2"	2.36"	1/2"	2.47"	1/2"	2.58"	1/2"
	120"	0.03"	1/2"	0.15"	1/2"	0.36"	1/2"	0.58"	1/2"	0.72"	1/2"	0.86"	1/2"	1.00"	1/2"	1.14"	1/2"	1.27"	1/2"	1.40"	1/2"	1.54"	1/2"	1.67"	1/2"	1.80"	1/2"	1.93"	1/2"	2.06"	1/2"	2.19"	1/2"	2.32"	1/2"	2.45"	1/2"	2.58"	1/2"	2.71"	1/2"	2.84"	1/2"	2.97"	1/2"
132"	0.03"	1/2"	0.15"	1/2"	0.36"	1/2"	0.61"	1/2"	0.80"	1/2"	0.95"	1/2"	1.10"	1/2"	1.25"	1/2"	1.40"	1/2"	1.54"	1/2"	1.68"	1/2"	1.82"	1/2"	1.96"	1/2"	2.10"	1/2"	2.24"	1/2"	2.38"	1/2"	2.52"	1/2"	2.66"	1/2"	2.80"	1/2"	2.94"	1/2"	3.08"	1/2"	3.22"	1/2"	
<b>30 psf</b>	24"	0.01"	1/2"	0.02"	1/2"	0.03"	1/2"	0.04"	1/2"	0.03"	1/2"	0.03"	1/2"	0.02"	1/2"	0.02"	1/2"	0.02"	1/2"	0.02"	1/2"	0.03"	1/2"	0.03"	1/2"	0.04"	1/2"	0.04"	1/2"	0.05"	1/2"	0.04"	1/2"	**	1/2"	**	1/2"	**	1/2"						
	36"	0.02"	1/2"	0.05"	1/2"	0.09"	1/2"	0.13"	1/2"	0.16"	1/2"	0.15"	1/2"	0.14"	1/2"	0.13"	1/2"																												





### Deflection and Sightline Reference Guide

		1-5/16" Insulating Laminated Unit																																									
		<i>Constructed with a 1/4" outboard and two plies of 1/4" laminated on the inboard, all plies fully tempered (FT) glass</i>																																									
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								
<b>60 psf</b>	24"	0.02"	1/2"	0.04"	1/2"	0.07"	1/2"	0.07"	1/2"	0.06"	1/2"	0.06"	1/2"	0.04"	1/2"	0.04"	1/2"	0.04"	1/2"	0.05"	1/2"	0.06"	1/2"	0.06"	1/2"	0.07"	1/2"	0.08"	1/2"	0.10"	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"				
	36"	0.04"	1/2"	0.10"	1/2"	0.17"	1/2"	0.20"	1/2"	0.23"	1/2"	0.23"	1/2"	0.23"	1/2"	0.21"	1/2"	0.21"	1/2"	0.20"	1/2"	0.18"	1/2"	0.19"	1/2"	0.19"	1/2"	0.18"	1/2"	0.20"	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"				
	48"	0.07"	1/2"	0.17"	1/2"	0.24"	1/2"	0.29"	1/2"	0.34"	1/2"	0.39"	1/2"	0.44"	1/2"	0.45"	1/2"	0.47"	1/2"	0.49"	1/2"	0.50"	1/2"	0.51"	1/2"	0.51"	1/2"	0.51"	1/2"	0.51"	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"		
	60"	0.07"	1/2"	0.20"	1/2"	0.29"	1/2"	0.38"	1/2"	0.45"	1/2"	0.51"	1/2"	0.58"	1/2"	0.65"	1/2"	0.73"	1/2"	0.77"	1/2"	0.81"	1/2"	0.86"	1/2"	0.91"	1/2"	0.97"	1/2"	1.01"	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"		
	72"	0.06"	1/2"	0.23"	1/2"	0.34"	1/2"	0.45"	1/2"	0.54"	1/2"	0.64"	1/2"	0.72"	1/2"	0.81"	1/2"	0.90"	1/2"	1.00"	1/2"	1.09"	1/2"	1.17"	1/2"	1.25"	1/2"	1.34"	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"		
	84"	0.06"	1/2"	0.23"	1/2"	0.39"	1/2"	0.51"	1/2"	0.64"	1/2"	0.75"	1/2"	0.86"	1/2"	0.96"	1/2"	1.07"	1/2"	1.18"	1/2"	1.30"	1/2"	1.42"	1/2"	1.54"	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"		
	96"	0.04"	1/2"	0.23"	1/2"	0.44"	1/2"	0.58"	1/2"	0.72"	1/2"	0.86"	1/2"	0.99"	1/2"	1.11"	1/2"	1.24"	1/2"	1.37"	1/2"	1.50"	1/2"	1.64"	1/2"	***	1/2"	***	1/2"	***	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"
	108"	0.04"	1/2"	0.21"	1/2"	0.45"	1/2"	0.65"	1/2"	0.81"	1/2"	0.96"	1/2"	1.11"	1/2"	1.26"	1/2"	1.40"	1/2"	1.55"	1/2"	1.70"	1/2"	***	1/2"	***	1/2"	***	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"
120"	0.04"	1/2"	0.21"	1/2"	0.47"	1/2"	0.73"	1/2"	0.90"	1/2"	1.07"	1/2"	1.24"	1/2"	1.40"	1/2"	1.56"	9/16"	1.73"	9/16"	***	9/16"	***	9/16"	***	9/16"	***	9/16"	***	9/16"	**	9/16"	**	9/16"	**	9/16"	**	9/16"	**	9/16"			
132"	0.05"	1/2"	0.20"	1/2"	0.49"	1/2"	0.77"	1/2"	1.00"	1/2"	1.18"	1/2"	1.37"	1/2"	1.55"	1/2"	1.73"	9/16"	1.90"	9/16"	***	9/16"	***	9/16"	***	9/16"	***	9/16"	***	9/16"	**	9/16"	**	9/16"	**	9/16"	**	9/16"	**	9/16"			
<b>50 psf</b>	24"	0.02"	1/2"	0.03"	1/2"	0.06"	1/2"	0.06"	1/2"	0.05"	1/2"	0.05"	1/2"	0.04"	1/2"	0.04"	1/2"	0.03"	1/2"	0.04"	1/2"	0.05"	1/2"	0.05"	1/2"	0.06"	1/2"	0.07"	1/2"	0.08"	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"		
	36"	0.03"	1/2"	0.09"	1/2"	0.14"	1/2"	0.18"	1/2"	0.21"	1/2"	0.21"	1/2"	0.20"	1/2"	0.19"	1/2"	0.18"	1/2"	0.17"	1/2"	0.16"	1/2"	0.16"	1/2"	0.16"	1/2"	0.15"	1/2"	0.17"	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"		
	48"	0.06"	1/2"	0.14"	1/2"	0.22"	1/2"	0.26"	1/2"	0.31"	1/2"	0.36"	1/2"	0.40"	1/2"	0.41"	1/2"	0.42"	1/2"	0.43"	1/2"	0.44"	1/2"	0.44"	1/2"	0.44"	1/2"	0.44"	1/2"	0.44"	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"		
	60"	0.06"	1/2"	0.18"	1/2"	0.26"	1/2"	0.34"	1/2"	0.41"	1/2"	0.46"	1/2"	0.52"	1/2"	0.59"	1/2"	0.65"	1/2"	0.72"	1/2"	0.79"	1/2"	0.86"	1/2"	0.93"	1/2"	1.00"	1/2"	1.07"	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"
	72"	0.05"	1/2"	0.21"	1/2"	0.31"	1/2"	0.41"	1/2"	0.49"	1/2"	0.57"	1/2"	0.66"	1/2"	0.73"	1/2"	0.82"	1/2"	0.90"	1/2"	0.99"	1/2"	1.05"	1/2"	1.12"	1/2"	1.19"	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"
	84"	0.04"	1/2"	0.21"	1/2"	0.36"	1/2"	0.46"	1/2"	0.57"	1/2"	0.68"	1/2"	0.78"	1/2"	0.88"	1/2"	0.97"	1/2"	1.07"	1/2"	1.18"	1/2"	1.28"	1/2"	1.39"	1/2"	***	1/2"	***	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"
	96"	0.04"	1/2"	0.20"	1/2"	0.40"	1/2"	0.52"	1/2"	0.66"	1/2"	0.78"	1/2"	0.90"	1/2"	1.01"	1/2"	1.13"	1/2"	1.24"	1/2"	1.36"	1/2"	1.48"	1/2"	***	1/2"	***	1/2"	***	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"
	108"	0.03"	1/2"	0.19"	1/2"	0.41"	1/2"	0.59"	1/2"	0.73"	1/2"	0.88"	1/2"	1.01"	1/2"	1.15"	1/2"	1.28"	1/2"	1.41"	1/2"	1.54"	1/2"	***	1/2"	***	1/2"	***	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"
120"	0.04"	1/2"	0.18"	1/2"	0.42"	1/2"	0.65"	1/2"	0.82"	1/2"	0.97"	1/2"	1.13"	1/2"	1.28"	1/2"	1.42"	1/2"	1.57"	1/2"	***	1/2"	***	1/2"	***	1/2"	***	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	
132"	0.04"	1/2"	0.17"	1/2"	0.43"	1/2"	0.69"	1/2"	0.90"	1/2"	1.07"	1/2"	1.24"	1/2"	1.41"	1/2"	1.57"	1/2"	1.73"	1/2"	***	1/2"	***	1/2"	***	1/2"	***	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	
<b>40 psf</b>	24"	0.01"	1/2"	0.03"	1/2"	0.04"	1/2"	0.05"	1/2"	0.04"	1/2"	0.04"	1/2"	0.03"	1/2"	0.03"	1/2"	0.03"	1/2"	0.03"	1/2"	0.03"	1/2"	0.04"	1/2"	0.04"	1/2"	0.05"	1/2"	0.06"	1/2"	0.07"	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"
	36"	0.03"	1/2"	0.07"	1/2"	0.11"	1/2"	0.16"	1/2"	0.18"	1/2"	0.18"	1/2"	0.17"	1/2"	0.16"	1/2"	0.15"	1/2"	0.15"	1/2"	0.13"	1/2"	0.13"	1/2"	0.13"	1/2"	0.13"	1/2"	0.12"	1/2"	0.14"	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"
	48"	0.04"	1/2"	0.11"	1/2"	0.19"	1/2"	0.24"	1/2"	0.28"	1/2"	0.31"	1/2"	0.35"	1/2"	0.36"	1/2"	0.36"	1/2"	0.36"	1/2"	0.37"	1/2"	0.37"	1/2"	0.37"	1/2"	0.37"	1/2"	0.37"	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"		
	60"	0.05"	1/2"	0.16"	1/2"	0.24"	1/2"	0.31"	1/2"	0.36"	1/2"	0.42"	1/2"	0.46"	1/2"	0.52"	1/2"	0.58"	1/2"	0.61"	1/2"	0.63"	1/2"	0.63"	1/2"	0.66"	1/2"	0.69"	1/2"	0.72"	1/2"	0.74"	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"
	72"	0.04"	1/2"	0.18"	1/2"	0.28"	1/2"	0.36"	1/2"	0.45"	1/2"	0.51"	1/2"	0.58"	1/2"	0.65"	1/2"	0.72"	1/2"	0.80"	1/2"	0.87"	1/2"	0.92"	1/2"	0.97"	1/2"	1.03"	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"
	84"	0.04"	1/2"	0.18"	1/2"	0.31"	1/2"	0.42"	1/2"	0.51"	1/2"	0.61"	1/2"	0.69"	1/2"	0.78"	1/2"	0.86"	1/2"	0.95"	1/2"	1.04"	1/2"	1.13"	1/2"	1.23"	1/2"	***	1/2"	***	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"
	96"	0.03"	1/2"	0.17"	1/2"	0.35"	1/2"	0.46"	1/2"	0.58"	1/2"	0.69"	1/2"	0.80"	1/2"	0.90"	1/2"	1.00"	1/2"	1.10"	1/2"	1.21"	1/2"	1.32"	1/2"	***	1/2"	***	1/2"	***	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"		
	108"	0.03"	1/2"	0.16"	1/2"	0.36"	1/2"	0.52"	1/2"	0.65"	1/2"	0.78"	1/2"	0.90"	1/2"	1.02"	1/2"	1.14"	1/2"	1.25"	1/2"	1.37"	1/2"	***	1/2"	***	1/2"	***	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"		
120"	0.03"	1/2"	0.15"	1/2"	0.36"	1/2"	0.58"	1/2"	0.72"	1/2"	0.86"	1/2"	1.00"	1/2"	1.14"	1/2"	1.27"	1/2"	1.40"	1/2"	1.54"	1/2"	***	1/2"	***	1/2"	***	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"			
132"	0.03"	1/2"	0.15"	1/2"	0.36"	1/2"	0.61"	1/2"	0.80"	1/2"	0.95"	1/2"	1.10"	1/2"	1.25"	1/2"	1.40"	1/2"	1.54"	1/2"	***	1/2"	***	1/2"	***	1/2"	***	1/2"	***	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"			
<b>30 psf</b>	24"	0.01"	1/2"	0.02"	1/2"	0.03"	1/2"	0.04"	1/2"	0.03"	1/2"	0.03"	1/2"	0.02"	1/2"	0.02"	1/2"	0.02"	1/2"	0.02"	1/2"	0.03"	1/2"	0.03"	1/2"	0.04"	1/2"	0.04"	1/2"	0.05"	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"	**	1/2"
	36"	0.02"	1/2"	0.05"	1/2"	0.09"	1/2"	0.13"	1/2"	0.16"	1/2"	0.15"	1/2"	0.14"	1/2"	0.13"	1/2"	0.12"	1/2"	0.11"	1/2"	0.10"	1/2"	0.10"	1/2"	0.10"	1/2"	0.10"	1/2"	0.09"	1/2"	0.11"	1/2"	**	1/2"	**	1/2"	**					



### Deflection and Sightline Reference Guide

1-5/16" Laminated Insulating Unit																																																	
Constructed with two plies of 1/4" laminated on the outboard a 1/4" inboard, all plies heat strengthened (HS) 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"	0.02"	5/8"	0.04"	5/8"	0.07"	5/8"	0.07"	5/8"	0.06"	5/8"	0.06"	5/8"	0.04"	5/8"	0.04"	5/8"	0.04"	5/8"	0.04"	5/8"	0.05"	5/8"	0.06"	5/8"	0.06"	5/8"	0.07"	5/8"	0.08"	5/8"	0.10"	5/8"	**	5/8"	**	5/8"	**	5/8"										
	36"	0.04"	5/8"	0.10"	11/16"	0.17"	11/16"	0.20"	11/16"	0.23"	11/16"	0.23"	11/16"	0.23"	11/16"	0.21"	11/16"	0.21"	11/16"	0.21"	11/16"	0.20"	11/16"	0.18"	11/16"	0.19"	11/16"	0.19"	11/16"	0.18"	11/16"	0.20"	11/16"	**	11/16"	**	11/16"	**	11/16"										
	48"	0.07"	5/8"	0.17"	11/16"	0.24"	13/16"	0.29"	13/16"	0.34"	13/16"	0.39"	13/16"	0.44"	13/16"	0.45"	13/16"	0.47"	13/16"	0.49"	13/16"	0.50"	13/16"	0.51"	13/16"	0.51"	13/16"	0.51"	13/16"	0.51"	13/16"	0.51"	13/16"	***	13/16"	**	13/16"	**	13/16"	**	13/16"								
	60"	0.07"	5/8"	0.20"	11/16"	0.29"	13/16"	0.38"	7/8"	0.45"	7/8"	0.51"	7/8"	0.58"	7/8"	0.65"	7/8"	0.73"	7/8"	0.77"	7/8"	0.81"	7/8"	0.86"	7/8"	0.91"	7/8"	0.97"	7/8"	1.01"	7/8"	**	7/8"	**	7/8"	**	7/8"	**	7/8"										
	72"	0.06"	5/8"	0.23"	11/16"	0.34"	13/16"	0.45"	7/8"	0.54"	1"	0.64"	1"	0.72"	1"	0.81"	1"	0.90"	1"	1.00"	1"	1.09"	1"	1.17"	1"	FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.									
	84"	0.06"	5/8"	0.23"	11/16"	0.39"	13/16"	0.51"	7/8"	0.64"	1"	0.75"	1-1/8"	0.86"	1-1/8"	0.96"	1-1/8"	1.07"	1-1/8"	1.18"	1-1/8"	1.30"	1-1/8"	1.40"	1-1/8"	1.50"	1-1/8"	FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.									
	96"	0.04"	5/8"	0.23"	11/16"	0.44"	13/16"	0.58"	7/8"	0.72"	1"	0.86"	1-1/8"	0.99"	1-1/4"	1.11"	1-1/4"	1.24"	1-1/4"	1.37"	1-1/4"	1.50"	1-1/4"	FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.									
	108"	0.04"	5/8"	0.21"	11/16"	0.45"	13/16"	0.65"	7/8"	0.81"	1"	0.96"	1-1/8"	1.11"	1-1/4"	1.26"	1-1/4"	1.40"	1-1/4"	1.57"	1-1/4"	FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.									
	120"	0.04"	5/8"	0.21"	11/16"	0.47"	13/16"	0.73"	7/8"	0.90"	1"	1.07"	1-1/8"	1.24"	1-1/4"	1.40"	1-1/4"	1.56"	1-1/4"	FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.									
132"	0.05"	5/8"	0.20"	11/16"	0.49"	13/16"	0.77"	7/8"	1.00"	1"	1.18"	1-1/8"	1.37"	1-1/4"	1.55"	1-1/4"	1.73"	1-1/4"	FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.		FT req.										
50 psf	24"	0.02"	9/16"	0.03"	9/16"	0.06"	9/16"	0.06"	9/16"	0.05"	9/16"	0.05"	9/16"	0.04"	9/16"	0.04"	9/16"	0.03"	9/16"	0.04"	9/16"	0.05"	9/16"	0.05"	9/16"	0.05"	9/16"	0.06"	9/16"	0.07"	9/16"	0.08"	9/16"	**	9/16"	**	9/16"	**	9/16"	**	9/16"								
	36"	0.03"	9/16"	0.09"	11/16"	0.14"	11/16"	0.18"	11/16"	0.21"	11/16"	0.21"	11/16"	0.20"	11/16"	0.19"	11/16"	0.18"	11/16"	0.17"	11/16"	0.17"	11/16"	0.16"	11/16"	0.16"	11/16"	0.16"	11/16"	0.15"	11/16"	0.17"	11/16"	**	11/16"	**	11/16"	**	11/16"	**	11/16"								
	48"	0.06"	9/16"	0.14"	11/16"	0.22"	11/16"	0.26"	11/16"	0.31"	11/16"	0.36"	11/16"	0.40"	11/16"	0.41"	11/16"	0.42"	11/16"	0.43"	11/16"	0.43"	11/16"	0.44"	11/16"	0.44"	11/16"	0.45"	11/16"	0.44"	11/16"	0.44"	11/16"	0.45"	11/16"	0.44"	11/16"	0.44"	11/16"	0.44"	11/16"	0.44"	11/16"	0.44"	11/16"				
	60"	0.06"	9/16"	0.18"	11/16"	0.26"	11/16"	0.34"	13/16"	0.41"	13/16"	0.46"	13/16"	0.52"	13/16"	0.59"	13/16"	0.65"	13/16"	0.72"	13/16"	0.79"	13/16"	0.86"	13/16"	0.92"	13/16"	0.99"	13/16"	1.05"	13/16"	1.12"	13/16"	1.19"	13/16"	1.26"	13/16"	1.33"	13/16"	1.40"	13/16"	1.47"	13/16"	1.54"	13/16"	1.61"	13/16"		
	72"	0.05"	9/16"	0.21"	11/16"	0.31"	11/16"	0.41"	13/16"	0.49"	7/8"	0.57"	7/8"	0.66"	7/8"	0.73"	7/8"	0.82"	7/8"	0.90"	7/8"	0.99"	7/8"	1.05"	7/8"	1.12"	7/8"	1.19"	7/8"	1.26"	7/8"	1.33"	7/8"	1.40"	7/8"	1.47"	7/8"	1.54"	7/8"	1.61"	7/8"	1.68"	7/8"	1.75"	7/8"	1.82"	7/8"		
	84"	0.04"	9/16"	0.21"	11/16"	0.36"	11/16"	0.46"	13/16"	0.57"	7/8"	0.68"	1"	0.78"	1"	0.88"	1"	0.97"	1"	1.07"	1"	1.17"	1"	1.27"	1"	1.37"	1"	1.47"	1"	1.57"	1"	1.67"	1"	1.77"	1"	1.87"	1"	1.97"	1"	2.07"	1"	2.17"	1"	2.27"	1"				
	96"	0.04"	9/16"	0.20"	11/16"	0.40"	11/16"	0.52"	13/16"	0.66"	7/8"	0.78"	1"	0.90"	1-1/16"	1.01"	1-1/16"	1.13"	1-1/16"	1.24"	1-1/16"	1.36"	1-1/16"	1.48"	1-1/16"	1.60"	1-1/16"	1.72"	1-1/16"	1.84"	1-1/16"	1.96"	1-1/16"	2.08"	1-1/16"	2.20"	1-1/16"	2.32"	1-1/16"	2.44"	1-1/16"	2.56"	1-1/16"	2.68"	1-1/16"	2.80"	1-1/16"		
	108"	0.03"	9/16"	0.19"	11/16"	0.41"	11/16"	0.59"	13/16"	0.73"	7/8"	0.88"	1"	1.01"	1-1/16"	1.15"	1-3/16"	1.28"	1-3/16"	1.41"	1-3/16"	1.54"	1-3/16"	1.67"	1-3/16"	1.80"	1-3/16"	1.93"	1-3/16"	2.06"	1-3/16"	2.19"	1-3/16"	2.32"	1-3/16"	2.45"	1-3/16"	2.58"	1-3/16"	2.71"	1-3/16"	2.84"	1-3/16"	2.97"	1-3/16"	3.10"	1-3/16"		
	120"	0.04"	9/16"	0.18"	11/16"	0.42"	11/16"	0.65"	13/16"	0.82"	7/8"	0.97"	1"	1.13"	1-1/16"	1.28"	1-3/16"	1.42"	1-1/4"	1.57"	1-1/4"	1.71"	1-1/4"	1.86"	1-1/4"	2.00"	1-1/4"	2.14"	1-1/4"	2.28"	1-1/4"	2.42"	1-1/4"	2.56"	1-1/4"	2.70"	1-1/4"	2.84"	1-1/4"	2.98"	1-1/4"	3.12"	1-1/4"	3.26"	1-1/4"	3.40"	1-1/4"		
132"	0.04"	9/16"	0.17"	11/16"	0.43"	11/16"	0.69"	13/16"	0.90"	7/8"	1.07"	1"	1.24"	1-1/16"	1.41"	1-3/16"	1.57"	1-1/4"	1.73"	1-3/8"	1.89"	1-3/8"	2.05"	1-3/8"	2.21"	1-3/8"	2.37"	1-3/8"	2.53"	1-3/8"	2.69"	1-3/8"	2.85"	1-3/8"	3.01"	1-3/8"	3.17"	1-3/8"	3.33"	1-3/8"	3.49"	1-3/8"	3.65"	1-3/8"	3.81"	1-3/8"			
40 psf	24"	0.01"	9/16"	0.03"	9/16"	0.04"	9/16"	0.05"	9/16"	0.04"	9/16"	0.04"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.04"	9/16"	0.04"	9/16"	0.05"	9/16"	0.06"	9/16"	0.07"	9/16"	**	9/16"	**	9/16"	**	9/16"	**	9/16"								
	36"	0.03"	9/16"	0.07"	5/8"	0.11"	5/8"	0.16"	5/8"	0.18"	5/8"	0.18"	5/8"	0.17"	5/8"	0.16"	5/8"	0.15"	5/8"	0.15"	5/8"	0.13"	5/8"	0.13"	5/8"	0.13"	5/8"	0.13"	5/8"	0.12"	5/8"	0.14"	5/8"	**	5/8"	**	5/8"	**	5/8"	**	5/8"								
	48"	0.04"	9/16"	0.11"	5/8"	0.19"	11/16"	0.24"	11/16"	0.28"	11/16"	0.31"	11/16"	0.35"	11/16"	0.36"	11/16"	0.36"	11/16"	0.36"	11/16"	0.36"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"				
	60"	0.05"	9/16"	0.16"	5/8"	0.24"	11/16"	0.31"	11/16"	0.36"	11/16"	0.42"	11/16"	0.46"	11/16"	0.52"	11/16"	0.58"	11/16"	0.61"	11/16"	0.63"	11/16"	0.63"	11/16"	0.63"	11/16"	0.66"	11/16"	0.69"	11/16"	0.72"	11/16"	0.74"	11/16"	**	11/16"	**	11/16"	**	11/16"	**	11/16"						
	72"	0.04"	9/16"	0.18"	5/8"	0.28"	11/16"	0.36"	11/16"	0.45"	13/16"	0.51"	13/16"	0.58"	13/16"	0.65"	13/16"	0.72"	13/16"	0.80"	13/16"	0.87"	13/16"	0.92"	13/16"	0.92"	13/16"	0.92"	13/16"	0.92"	13/16"	0.92"	13/16"	0.92"	13/16"	0.92"	13/16"	0.92"	13/16"	0.92"	13/16"	0.92"	13/16"	0.92"	13/16"	0.92"	13/16"		
	84"	0.04"	9/16"	0.18"	5/8"	0.31"	11/16"	0.42"	11/16"	0.51"	13/16"	0.61"	7/8"	0.69"	7/8"	0.78"	7/8"	0.86"	7/8"	0.95"	7/8"	1.04"	7/8"	1.13"	7/8"	1.23"	7/8"	1.32"	7/8"	1.41"	7/8"	1.50"	7/8"	1.59"	7/8"	1.68"	7/8"	1.77"	7/8"	1.86"	7/8"	1.95"	7/8"	2.04"	7/8"	2.13"	7/8"		
	96"	0.03"	9/16"	0.17"	5/8"	0.35"	11/16"	0.46"	11/16"	0.58"	13/16"	0.69"	7/8"	0.80"	15/16"	0.90"	15/16"	1.00"	15/16"	1.10"	15/16"	1.21"	15/16"	1.32"	15/16"	1.42"	15/16"	1.52"	15/16"	1.62"	15/16"	1.72"	15/16"	1.82"	15/16"	1.92"	15/16"	2.02"	15/16"	2.12"	15/16"	2.22"	15/16"	2.32"	15/16"	2.42"	15/16"	2.52"	15/16"
	108"	0.03"	9/16"	0.16"	5/8"	0.36"	11/16"	0.52"	11/16"	0.65"	13/16"	0.78"	7/8"	0.90"	15/16"	1.02"	1"	1.14"	1"	1.25"	1"	1.37"	1"	1.48"	1"	1.59"	1"	1.70"	1"	1.81"	1"	1.92"	1"	2.03"	1"	2.14"	1"	2.25"	1"	2.36"	1"	2.47"	1"	2.58"	1"	2.69"	1"		
	120"	0.03"	9/16"	0.15"	5/8"	0.36"	11/16"	0.58"	11/16"	0.72"	13/16"	0.86"	7/8"	1.00"	15/16"	1.14"	1"	1.27"	1-1/16"	1.40"	1-1/16"	1.54"	1-1/16"	1.67"	1-1/16"	1.80"	1-1/16"	1.93"	1-1/16"	2.06"	1-1/16"	2.19"	1-																



### Deflection and Sightline Reference Guide

1-5/16" Laminated Insulating Unit																																													
Constructed with two plies of 1/4" laminated on the outboard a 1/4" inboard, all plies 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"	0.02"	5/8"	0.04"	5/8"	0.07"	5/8"	0.07"	5/8"	0.06"	5/8"	0.06"	5/8"	0.04"	5/8"	0.04"	5/8"	0.04"	5/8"	0.04"	5/8"	0.05"	5/8"	0.06"	5/8"	0.06"	5/8"	0.07"	5/8"	0.08"	5/8"	0.10"	5/8"	**	5/8"	**	5/8"	**	5/8"						
	36"	0.04"	5/8"	0.10"	11/16"	0.17"	11/16"	0.20"	11/16"	0.23"	11/16"	0.23"	11/16"	0.23"	11/16"	0.21"	11/16"	0.21"	11/16"	0.21"	11/16"	0.20"	11/16"	0.18"	11/16"	0.19"	11/16"	0.19"	11/16"	0.18"	11/16"	0.20"	11/16"	**	11/16"	**	11/16"	**	11/16"						
	48"	0.07"	5/8"	0.17"	11/16"	0.24"	13/16"	0.29"	13/16"	0.34"	13/16"	0.39"	13/16"	0.44"	13/16"	0.45"	13/16"	0.47"	13/16"	0.49"	13/16"	0.50"	13/16"	0.51"	13/16"	0.51"	13/16"	0.51"	13/16"	0.51"	13/16"	0.51"	13/16"	***	13/16"	**	13/16"	**	13/16"	**	13/16"				
	60"	0.07"	5/8"	0.20"	11/16"	0.29"	13/16"	0.38"	7/8"	0.45"	7/8"	0.51"	7/8"	0.58"	7/8"	0.65"	7/8"	0.73"	7/8"	0.77"	7/8"	0.81"	7/8"	0.86"	7/8"	0.91"	7/8"	0.97"	7/8"	1.01"	7/8"	**	7/8"	**	7/8"	**	7/8"	**	7/8"						
	72"	0.06"	5/8"	0.23"	11/16"	0.34"	13/16"	0.45"	7/8"	0.54"	1"	0.64"	1"	0.72"	1"	0.81"	1"	0.90"	1"	1.00"	1"	1.09"	1"	1.17"	1"	1.25"	1"	1.34"	1"	***	1"	**	1"	**	1"	**	1"	**	1"						
	84"	0.06"	5/8"	0.23"	11/16"	0.39"	13/16"	0.51"	7/8"	0.64"	1"	0.75"	1-1/8"	0.86"	1-1/8"	0.96"	1-1/8"	1.07"	1-1/8"	1.18"	1-1/8"	1.30"	1-1/8"	1.42"	1-1/8"	1.54"	1-1/8"	***	1-1/8"	***	1-1/8"	**	1-1/8"	**	1-1/8"	**	1-1/8"	**	1-1/8"	**	1-1/8"				
	96"	0.04"	5/8"	0.23"	11/16"	0.44"	13/16"	0.58"	7/8"	0.72"	1"	0.86"	1-1/8"	0.99"	1-1/4"	1.11"	1-1/4"	1.24"	1-1/4"	1.37"	1-1/4"	1.50"	1-1/4"	1.64"	1-1/4"	***	1-1/4"	***	1-1/4"	**	1-1/4"	**	1-1/4"	**	1-1/4"	**	1-1/4"	**	1-1/4"	**	1-1/4"				
	108"	0.04"	5/8"	0.21"	11/16"	0.45"	13/16"	0.65"	7/8"	0.81"	1"	0.96"	1-1/8"	1.11"	1-1/4"	1.26"	1-5/16"	1.40"	1-5/16"	1.55"	1-5/16"	1.70"	1-5/16"	***	1-5/16"	***	1-5/16"	***	1-5/16"	***	1-5/16"	**	1-5/16"	**	1-5/16"	**	1-5/16"	**	1-5/16"	**	1-5/16"				
120"	0.04"	5/8"	0.21"	11/16"	0.47"	13/16"	0.73"	7/8"	0.90"	1"	1.07"	1-1/8"	1.24"	1-1/4"	1.40"	1-5/16"	1.56"	1-7/16"	1.73"	1-7/16"	***	1-7/16"	***	1-7/16"	***	1-7/16"	***	1-7/16"	**	1-7/16"	**	1-7/16"	**	1-7/16"	**	1-7/16"	**	1-7/16"							
132"	0.05"	5/8"	0.20"	11/16"	0.49"	13/16"	0.77"	7/8"	1.00"	1"	1.18"	1-1/8"	1.37"	1-1/4"	1.55"	1-5/16"	1.73"	1-7/16"	1.90"	1-5/8"	***	1-5/8"	***	1-5/8"	***	1-5/8"	***	1-5/8"	**	1-5/8"	**	1-5/8"	**	1-5/8"	**	1-5/8"	**	1-5/8"							
50 psf	24"	0.02"	9/16"	0.03"	9/16"	0.06"	9/16"	0.06"	9/16"	0.05"	9/16"	0.05"	9/16"	0.04"	9/16"	0.04"	9/16"	0.03"	9/16"	0.04"	9/16"	0.04"	9/16"	0.05"	9/16"	0.05"	9/16"	0.06"	9/16"	0.07"	9/16"	0.08"	9/16"	**	9/16"	**	9/16"	**	9/16"	**	9/16"				
	36"	0.03"	9/16"	0.09"	11/16"	0.14"	11/16"	0.18"	11/16"	0.21"	11/16"	0.21"	11/16"	0.20"	11/16"	0.19"	11/16"	0.18"	11/16"	0.17"	11/16"	0.17"	11/16"	0.16"	11/16"	0.16"	11/16"	0.16"	11/16"	0.15"	11/16"	0.17"	11/16"	**	11/16"	**	11/16"	**	11/16"	**	11/16"				
	48"	0.06"	9/16"	0.14"	11/16"	0.22"	11/16"	0.26"	11/16"	0.31"	11/16"	0.36"	11/16"	0.40"	11/16"	0.41"	11/16"	0.42"	11/16"	0.43"	11/16"	0.43"	11/16"	0.44"	11/16"	0.44"	11/16"	0.45"	11/16"	0.45"	11/16"	0.44"	11/16"	***	11/16"	**	11/16"	**	11/16"	**	11/16"				
	60"	0.06"	9/16"	0.18"	11/16"	0.26"	11/16"	0.34"	13/16"	0.41"	13/16"	0.46"	13/16"	0.52"	13/16"	0.59"	13/16"	0.65"	13/16"	0.72"	13/16"	0.79"	13/16"	0.86"	13/16"	0.92"	13/16"	0.99"	13/16"	1.05"	13/16"	1.12"	13/16"	1.19"	13/16"	0.88"	13/16"	**	13/16"	**	13/16"	**	13/16"		
	72"	0.05"	9/16"	0.21"	11/16"	0.31"	11/16"	0.41"	13/16"	0.49"	7/8"	0.57"	7/8"	0.66"	7/8"	0.73"	7/8"	0.82"	7/8"	0.90"	7/8"	0.99"	7/8"	1.05"	7/8"	1.12"	7/8"	1.19"	7/8"	1.26"	7/8"	1.33"	7/8"	1.40"	7/8"	**	7/8"	**	7/8"	**	7/8"	**	7/8"		
	84"	0.04"	9/16"	0.21"	11/16"	0.36"	11/16"	0.46"	13/16"	0.57"	7/8"	0.68"	1"	0.78"	1"	0.88"	1"	0.97"	1"	1.07"	1"	1.18"	1"	1.28"	1"	1.39"	1"	1.49"	1"	1.59"	1"	1.69"	1"	**	1"	**	1"	**	1"	**	1"				
	96"	0.04"	9/16"	0.20"	11/16"	0.40"	11/16"	0.52"	13/16"	0.66"	7/8"	0.78"	1"	0.90"	1-1/16"	1.01"	1-1/16"	1.13"	1-1/16"	1.24"	1-1/16"	1.36"	1-1/16"	1.48"	1-1/16"	***	1-1/16"	***	1-1/16"	***	1-1/16"	***	1-1/16"	**	1-1/16"	**	1-1/16"	**	1-1/16"	**	1-1/16"				
	108"	0.03"	9/16"	0.19"	11/16"	0.41"	11/16"	0.59"	13/16"	0.73"	7/8"	0.88"	1"	1.01"	1-1/16"	1.15"	1-3/16"	1.28"	1-3/16"	1.41"	1-3/16"	1.54"	1-3/16"	1.67"	1-3/16"	1.80"	1-3/16"	1.93"	1-3/16"	2.06"	1-3/16"	2.19"	1-3/16"	2.32"	1-3/16"	2.45"	1-3/16"	**	1-3/16"	**	1-3/16"	**	1-3/16"		
120"	0.04"	9/16"	0.18"	11/16"	0.42"	13/16"	0.65"	13/16"	0.82"	7/8"	0.97"	1"	1.13"	1-1/16"	1.28"	1-3/16"	1.42"	1-1/4"	1.57"	1-1/4"	1.71"	1-1/4"	1.85"	1-1/4"	1.99"	1-1/4"	2.13"	1-1/4"	2.27"	1-1/4"	2.41"	1-1/4"	2.55"	1-1/4"	**	1-1/4"	**	1-1/4"	**	1-1/4"	**	1-1/4"			
132"	0.04"	9/16"	0.17"	11/16"	0.43"	11/16"	0.69"	13/16"	0.90"	7/8"	1.07"	1"	1.24"	1-1/16"	1.41"	1-3/16"	1.57"	1-1/4"	1.73"	1-3/8"	1.89"	1-3/8"	2.05"	1-3/8"	2.21"	1-3/8"	2.37"	1-3/8"	2.53"	1-3/8"	2.69"	1-3/8"	2.85"	1-3/8"	3.01"	1-3/8"	**	1-3/8"	**	1-3/8"	**	1-3/8"			
40 psf	24"	0.01"	9/16"	0.03"	9/16"	0.04"	9/16"	0.05"	9/16"	0.04"	9/16"	0.04"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.03"	9/16"	0.04"	9/16"	0.04"	9/16"	0.05"	9/16"	0.06"	9/16"	0.07"	9/16"	**	9/16"	**	9/16"	**	9/16"	**	9/16"				
	36"	0.03"	9/16"	0.07"	5/8"	0.11"	5/8"	0.16"	5/8"	0.18"	5/8"	0.18"	5/8"	0.17"	5/8"	0.16"	5/8"	0.15"	5/8"	0.15"	5/8"	0.13"	5/8"	0.13"	5/8"	0.13"	5/8"	0.13"	5/8"	0.12"	5/8"	0.14"	5/8"	**	5/8"	**	5/8"	**	5/8"	**	5/8"				
	48"	0.04"	9/16"	0.11"	5/8"	0.19"	11/16"	0.24"	11/16"	0.28"	11/16"	0.31"	11/16"	0.35"	11/16"	0.36"	11/16"	0.36"	11/16"	0.36"	11/16"	0.36"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	0.37"	11/16"	***	11/16"	**	11/16"	**	11/16"	**	11/16"				
	60"	0.05"	9/16"	0.16"	5/8"	0.24"	11/16"	0.31"	11/16"	0.36"	11/16"	0.42"	11/16"	0.46"	11/16"	0.52"	11/16"	0.58"	11/16"	0.61"	11/16"	0.63"	11/16"	0.63"	11/16"	0.66"	11/16"	0.69"	11/16"	0.72"	11/16"	0.74"	11/16"	0.74"	11/16"	***	11/16"	**	11/16"	**	11/16"	**	11/16"		
	72"	0.04"	9/16"	0.18"	5/8"	0.28"	11/16"	0.36"	11/16"	0.45"	13/16"	0.51"	13/16"	0.58"	13/16"	0.65"	13/16"	0.72"	13/16"	0.80"	13/16"	0.87"	13/16"	0.92"	13/16"	0.99"	13/16"	1.05"	13/16"	1.11"	13/16"	1.17"	13/16"	1.23"	13/16"	1.29"	13/16"	1.35"	13/16"	**	13/16"	**	13/16"	**	13/16"
	84"	0.04"	9/16"	0.18"	5/8"	0.31"	11/16"	0.42"	11/16"	0.51"	13/16"	0.61"	7/8"	0.69"	7/8"	0.78"	7/8"	0.86"	7/8"	0.95"	7/8"	1.04"	7/8"	1.13"	7/8"	1.23"	7/8"	1.32"	7/8"	1.41"	7/8"	1.50"	7/8"	1.59"	7/8"	1.68"	7/8"	**	7/8"	**	7/8"	**	7/8"		
	96"	0.03"	9/16"	0.17"	5/8"	0.35"	11/16"	0.46"	11/16"	0.58"	13/16"	0.69"	7/8"	0.80"	15/16"	0.90"	15/16"	1.00"	15/16"	1.10"	15/16"	1.21"	15/16"	1.32"	15/16"	1.42"	15/16"	1.52"	15/16"	1.62"	15/16"	1.72"	15/16"	1.82"	15/16"	1.92"	15/16"	2.02"	15/16"	**	15/16"	**	15/16"	**	15/16"
	108"	0.03"	9/16"	0.16"	5/8"	0.36"	11/16"	0.52"	11/16"	0.65"	13/16"	0.78"	7/8"	0.90"	15/16"	1.02"	1"	1.14"	1"	1.25"	1"	1.37"	1"	1.48"	1"	1.59"	1"	1.70"	1"	1.81"	1"	1.92"	1"	2.03"	1"	**	1"	**	1"	**	1"				
120"	0.03"	9/16"	0.15"	5/8"	0.36"	11/16"	0.58"	11/16"	0.72"	13/16"	0.86"	7/8"	1.00"	15/16"	1.14"	1"	1.27"	1-1/16"	1.40"	1-1/16"	1.54"	1-1/8"	1.67"	1-1/8"	1.80"	1-1/8"	1.93"	1-1/8"	2.06"	1-1/8"	2.19"	1-1/8"	2.32"	1-1/8"	2.45"	1-1/8"	**	1-1/8"	**	1-1/8"	**	1-1/8"			
132"	0.03"	9/16"	0.15"	5/8"	0.36"	11/16"	0.61"	11/16"	0.80"	13/16"	0.95"	7/8"	1.10"	1-1/16"	1.25"	1"	1.40"	1-1/16"	1.54"	1-1/8"	1.67"	1-1/8"	1.80"	1-1/8"	1.93"	1-1/8"	2.06"	1-1/8"	2.19"	1-1/8"	2.32"	1-1/8"	2.45"	1-1/8"	**	1-1/8"	**	1-1/8"	**	1-1/8"					