



DEFLECTION AND SIGHTLINE REFERENCE GUIDE

1-1/16" Insulating Unit																																								
Constructed with a 5/16" outboard and a 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	Deflection	Sightline			
60 psf	24"	<0.04"	7/8"	<0.04"	3/4"	0.04"	5/8"	0.05"	5/8"	0.05"	5/8"	0.04"	5/8"	0.05"	5/8"	0.05"	5/8"	0.05"	5/8"	0.06"	5/8"	0.08"	5/8"	0.09"	5/8"	0.11"	5/8"	0.12"	5/8"	0.14"	5/8"	0.16"	5/8"	0.17"	5/8"	0.19"	5/8"			
	50 psf	24"	<0.04"	3/4"	<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"	0.05"	5/8"	0.06"	5/8"	0.07"	5/8"	0.09"	5/8"	0.10"	5/8"	0.11"	5/8"	0.13"	5/8"	0.15"	5/8"	0.16"	5/8"	0.18"	5/8"	0.21"	5/8"
		40 psf	24"	<0.04"	3/4"	<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"	0.05"	1/2"	0.07"	1/2"	0.08"	1/2"	0.10"	1/2"	0.11"	1/2"	0.12"	1/2"	0.15"	1/2"	0.17"	1/2"	0.20"	1/2"	
			30 psf	24"	<0.04"	3/4"	<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"	0.05"	1/2"	0.07"	1/2"	0.08"	1/2"	0.10"	1/2"	0.11"	1/2"	0.13"	1/2"	0.15"	1/2"	0.17"	1/2"	0.20"	1/2"

Values are for vertically installed glass. Deflection is center of glass based on ASTM E1300 and is calculated using Window Glass Design (WGD5) and Advanced Window Glass Design (v3.0.1.0). Sightline is for structurally glazed units based on ASTM C1249. When conventionally glazed, the minimum sightline is 1/2".
** Load exceeds load resistance