



1-1/16" Insulating Unit Constructed with a 5/16" outboard and a 1/4" inboard, both plies fully tempered (FT) glass Height																																					
		24" 36" 48"						60" 72"				84" 96"				1	08"	Hei ₁			tht 132" 144"			156"		168"		180"		10	92"		04"	216"		228"	
		<u> </u>		<u> </u>		<u> </u>		<u>_</u>	0	5	2	<u>_</u>		5)	<u> </u>	J0	<u></u>	.0	<u> </u>	2	Ę 1.	+-+	Ę.	.50	5	00	5	50	<u> </u>	72	<u> </u>	04	5	.0	5	20
Wind Load	Width (Base)	Deflectio	Sightline	Deflectio	Sightline	Deflectio	Sightline	Deflectio	Sightline	Deflectio	Sightline	Deflectio	Sightline	Deflectio	Sightline	Deflectio	Sightline	Deflectio	Sightline	Deflectio	Sightline	Deflectio	Sightline	Deflectio	Sightline	Deflectio	Sightline	Deflectio	Sightline	Deflectio	Sightline	Deflectio	Sightline	Deflectio	Sightline	Deflectio	Sightline
	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"
60 psf	36"	<0.04"	3/4"	0.09"	3/4"	0.13"	5/8"	0.17"	5/8"	0.22"	5/8"	0.23"	5/8"	0.25"	5/8"	0.27"	5/8"	0.27"	5/8"	0.27"	5/8"	0.27"	5/8"	0.26"	5/8"	0.28"	5/8"	0.27"	5/8"	0.31"	5/8"	0.35"	5/8"	0.39"	5/8"	0.44"	5/8"
	48"	0.04"	5/8"	0.13"	5/8"	0.25"	3/4"	0.32"	3/4"	0.42"	3/4"	0.47"	3/4"	0.55"	3/4"	0.51"	3/4"	0.59"	3/4"	0.66"	3/4"	0.72"	3/4"	0.62"	3/4"	0.74"	3/4"	0.73"	3/4"	0.81"	3/4"	0.81"	3/4"	0.79"	3/4"	0.78"	3/4"
	60"	0.05"	5/8"	0.17"	5/8"	0.32"	3/4"	0.46"	3/4"	0.57"	3/4"	0.69"	3/4"	0.77"	3/4"	0.88"	3/4"	0.99"	3/4"	1.05"	3/4"	1.04"	3/4"	1.19"	3/4"	1.31"	3/4"	1.41"	3/4"	1.43"	3/4"	1.41"	3/4"	>1.57"	3/4"	>1.57"	3/4"
	72"	0.05"	5/8"	0.22"	5/8"	0.42"	3/4"	0.57"	3/4"	0.71"	7/8"	0.85"	7/8"	0.99"	7/8"	1.12"	7/8"	1.24"	7/8"	1.37"	7/8"	1.51"	7/8"	1.49"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"
	84"	0.04"	5/8"	0.23"	5/8"	0.47"	3/4"	0.69"	3/4"	0.85"	7/8"	0.98"	1"	1.14"	1"	1.29"	1"	1.45"	1"	>1.57"	1"	>1.57"	1"	>1.57		>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"
	96"	0.05"	5/8"	0.25" 0.27"	5/8"	0.55"	3/4"	0.77"	3/4"	0.99"	7/8"	1.14"	1"	1.26"	1"	1.45"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57'		>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57"		>1.57"	1"	>1.57"	1"
	108" 120"	0.05"	5/8" 5/8"	0.27"	5/8" 5/8"	0.51" 0.59"	3/4" 3/4"	0.88" 0.99"	3/4"	1.12" 1.24"	7/8" 7/8"	1.29" 1.45"	1" 1"	1.45" >1.57"	1" 1"	1.55" >1.57"		>1.57"	1-1/8	>1.57" >1.57"			1-1/8" 1-1/4"		' 1-1/8" ' 1-1/4"		1-1/8	>1.57"	1-1/8		1-1/8" 1-1/4"		1-1/8" 1-1/4"		1-1/8" 1-1/4"	>1.57"	1-1/8" 1-1/4"
	132"	0.05" 0.06"	5/8"	0.27	5/8"	0.59	3/4"	1.05"	3/4" 3/4"	1.24	7/8"	>1.45	1"	>1.57"	1"		1-1/8"		1-1/4"	>1.57"	•		1-1/4"		1-1/4		1-1/4"	>1.57"			1-1/4"		1-1/4"		1-1/4"	**	1-1/4"
	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"	0.04"	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"
	36"	<0.04"	5/8"	0.08"	5/8"	0.11"	5/8"	0.14"	5/8"	0.18"	5/8"	0.18"	5/8"	0.20"	5/8"	0.23"	5/8"	0.21"	5/8"	0.23"	5/8"	0.23"	5/8"	0.20"	5/8"	0.23"	5/8"	0.23"	5/8"	0.26"	5/8"	0.29"	5/8"	0.33"	5/8"	0.36"	5/8"
	48"	<0.04"	5/8"	0.11"	5/8"	0.22"	5/8"	0.29"	5/8"	0.36"	5/8"	0.40"	5/8"	0.48"	5/8"	0.48"	5/8"	0.49"	5/8"	0.56"	5/8"	0.62"	5/8"	0.60"	5/8"	0.60"	5/8"	0.67"	5/8"	0.69"	5/8"	0.68"	5/8"	0.63"	5/8"	0.71"	5/8"
	60"	<0.04"	5/8"	0.14"	5/8"	0.29"	5/8"	0.41"	3/4"	0.51"	3/4"	0.61"	3/4"	0.67"	3/4"	0.78"	3/4"	0.88"	3/4"	0.89"	3/4"	1.01"	3/4"	1.02"	3/4"	1.14"	3/4"	1.23"	3/4"	1.18"	3/4"	>1.18"	3/4"	1.46"	3/4"	1.52"	3/4"
psf	72"	0.04"	5/8"	0.18"	5/8"	0.36"	5/8"	0.51"	3/4"	0.64"	3/4"	0.76"	3/4"	0.89"	3/4"	1.02"	3/4"	1.13"	3/4"	1.24"	3/4"	1.36"	3/4"	1.43"	3/4"	1.48"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"
20	84"	0.04"	5/8"	0.18"	5/8"	0.40"	5/8"	0.61"	3/4"	0.76"	3/4"	0.89"	7/8"	1.04"	7/8"	1.18"	7/8"	1.33"	7/8"	1.47"	7/8"	>1.57"	7/8"	>1.57'	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"
	96"	0.04"	5/8"	0.20"	5/8"	0.48"	5/8"	0.67"	3/4"	0.89"	3/4"	1.04"	7/8"	1.16"	7/8"	1.35"	7/8"	1.49"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57'	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"
	108"	0.04"	5/8"	0.23"	5/8"	0.48"	5/8"	0.78"	3/4"	1.02"	3/4"	1.18"	7/8"	1.35"	7/8"	1.43"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57'		>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"
	120"	0.04"	5/8"	0.21"	5/8"	0.49"	5/8"	0.88"	3/4"	1.13"	3/4"	1.33"	7/8"	1.49"	7/8"	>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57'		>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57"		>1.57"	1"	>1.57"	1"
	132"	0.05"	5/8"	0.23"	5/8"	0.56"	5/8"	0.89"	3/4"	1.24"	3/4"	1.47"	7/8"	>1.57"	7/8"	>1.57"	1"	>1.57"	1"		1-1/8"		1-1/8"	_	1-1/8"	_	1-1/8"	>1.57"		_	1-1/8"			_		_	1-1/8"
	24"	<0.04"	3/4"	<0.04"	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"	0.05"	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"	0.13"	1/2"
	36" 48"	<0.04" <0.04"	5/8" 5/8"	0.06" 0.09"	5/8" 5/8"	0.09" 0.18"	5/8" 5/8"	0.11" 0.24"	1/2" 5/8"	0.15" 0.31"	1/2" 5/8"	0.14" 0.33"	1/2" 5/8"	0.16" 0.41"	1/2" 5/8"	0.18" 0.40"	1/2" 5/8"	0.16" 0.40"	1/2" 5/8"	0.18" 0.47"	1/2" 5/8"	0.18" 0.52"	1/2" 5/8"	0.16" 0.49"	1/2" 5/8"	0.18" 0.48"	1/2" 5/8"	0.18" 0.55"	1/2" 5/8"	0.21" 0.56"	1/2" 5/8"	0.23" 0.54"	1/2" 5/8"	0.26" 0.50"	1/2" 5/8"	0.29" 0.57"	1/2" 5/8"
	60"	<0.04"	5/8"	0.09	3/8 1/2"	0.18	5/8"	0.24	5/8"	0.31	5/8"	0.53"	5/8"	0.41	5/8"	0.40	5/8"	0.40	5/8"	0.47	5/8"	0.32	5/8"	0.49	5/8"	0.48	5/8"	1.05"	5/8"	0.56	5/8"	1.13"	5/8"	1.21"	5/8"	1.25"	5/8"
Sf	72"	<0.04"	5/8"	0.15"	1/2"	0.31"	5/8"	0.44"	5/8"	0.57"	3/4"	0.67"	3/4"	0.78"	3/4"	0.90"	3/4"	0.99"	3/4"	1.09"	3/4"	1.20"	5/8"	1.23"	5/8"	1.25"	5/8"	1.42"	5/8"	1.55"	5/8"	>1.57"	5/8"	>1.57"	5/8"	>1.57"	5/8"
o o	84"	<0.04"	1/2"	0.14"	1/2"	0.33"	5/8"	0.53"	5/8"	0.67"	3/4"	0.79"	3/4"	0.93"	3/4"	1.06"	3/4"	1.18"	3/4"	1.31"	3/4"	1.43"	3/4"	1.56"	3/4"	>1.57"	3/4"	>1.57"	,	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"
7	96"	<0.04"	1/2"	0.16"	1/2"	0.41"	5/8"	0.58"	5/8"	0.78"	3/4"	0.93"	3/4"	1.04"	3/4"	1.21"	3/4"	1.34"	3/4"	1.48"	3/4"	>1.57"		>1.57'		>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"
	108"	<0.04"	1/2"	0.18"	1/2"	0.40"	5/8"	0.67"	5/8"	0.90"	3/4"	1.06"	3/4"	1.21"	3/4"	1.30"	7/8"	1.49"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57'	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"
	120"	<0.04"	1/2"	0.16"	1/2"	0.40"	5/8"	0.77"	5/8"	0.99"	3/4"	1.18"	3/4"	1.34"	3/4"	1.49"	7/8"	1.56"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57'	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"
	132"	0.04"	1/2"	0.18"	1/2"	0.47"	5/8"	0.75"	5/8"	1.09"	3/4"	1.31"	3/4"	1.48"	3/4"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	1"	>1.57"	1"	>1.57'	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"
	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"	<0.04"	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"	0.10"	1/2"
30 psf	36"	<0.04"	5/8"	0.05"	5/8"	0.06"	1/2"	0.08"	1/2"	0.11"	1/2"	0.11"	1/2"	0.13"	1/2"	0.14"	1/2"	0.13"	1/2"	0.14"	1/2"	0.14"	1/2"	0.12"	1/2"	0.14"	1/2"	0.14"	1/2"	0.16"	1/2"	0.18"	1/2"	0.20"	1/2"	0.22"	1/2"
	48"	<0.04"	5/8"	0.06"	1/2"	0.14"	1/2"	0.18"	1/2"	0.24"	1/2"	0.27"	1/2"	0.32"	1/2"	0.27"	1/2"	0.32"	1/2"	0.37"	1/2"	0.40"	1/2"	0.31"	1/2"	0.39"	1/2"	0.41"	1/2"	0.43"	1/2"	0.44"	1/2"	0.40"	1/2"	0.43"	1/2"
	60"	<0.04"	1/2"	0.08"	1/2"	0.18"	1/2"	0.29"	5/8"	0.36"	5/8"	0.44"	1/2"	0.48"	1/2"	0.56"	1/2"	0.63"	1/2"	0.64"	1/2"	0.65"	1/2"	0.70"	1/2"	0.79"	1/2"	0.84"	1/2"	0.79"	1/2"	0.75"	1/2"	0.96"	1/2"	0.98"	1/2"
	72"	<0.04"	1/2"	0.11"	1/2"	0.24"	1/2"	0.36"	5/8"	0.48"	5/8"	0.57"	5/8"	0.66"	5/8"	0.76"	5/8"	0.81"	5/8"	0.91"	5/8"	1.01"	5/8"	1.06"	5/8"	1.04"	5/8"	1.18"	5/8"	1.23"	5/8"	1.46"	5/8"	1.57"	5/8"	1.56"	5/8"
	84" 96"	<0.04"	1/2" 1/2"	0.11" 0.13"	1/2" 1/2"	0.27" 0.32"	1/2" 1/2"	0.44" 0.48"	1/2" 1/2"	0.57" 0.66"	5/8" 5/8"	0.68" 0.79"	5/8" 5/8"	0.79" 0.90"	5/8" 3/4"	0.90" 1.04"	5/8" 5/8"	1.02" 1.16"	5/8" 5/8"	1.13" 1.28"	5/8" 5/8"	1.22" 1.42"	5/8" 5/8"	1.34" 1.54"	5/8" 5/8"	1.45" >1.57"	5/8" 5/8"	1.46" >1.57"	5/8" 5/8"	>1.57" >1.57"	5/8" 5/8"	>1.57" >1.57"	5/8" 5/8"	>1.57" >1.57"	5/8" 5/8"	>1.57" >1.57"	5/8" 5/8"
	108"	<0.04" <0.04"	1/2"	0.13	1/2"	0.32	1/2"	0.48	1/2"	0.86	5/8"	0.79	5/8"	1.04"	5/4 5/8"	1.13"	3/4"	1.16	3/4"	1.41"	3/4"	>1.42	,	>1.54		>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"		>1.57"	3/4"	>1.57"	3/4"
	120"	<0.04"	1/2"	0.14	1/2"	0.27	1/2"	0.63"	1/2"	0.76	5/8"	1.02"	5/8"	1.16"	5/8"	1.13	3/4"	1.38"	3/4"	>1.41	3/4"	>1.57"		>1.57		>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"		>1.57"	3/4"	>1.57"	3/4"
	132"	<0.04"	,	0.13	1/2"	0.32"	1/2"	0.64"	1/2"	0.81	5/8"	1.13"	5/8"	1.28"	5/8"	1.41"	3/4"		3/4"	>1.57"	7/8"	>1.57"	,	>1.57		>1.57"		>1.57"	,	>1.57"	7/8"	>1.57"		>1.57"	7/8"	>1.57"	7/8"
\vdash	102	.5.0-7	±/ <u>~</u>	J.1-	-1-	5.57	-/-	5.07	-/-	0.51	3/0	2.13	3/0	1.20	5/0	1.71	(14/005)	1.57	J/ -	Class Dasis	- 4-2 0 1 0	. I.J/	- 1- 6	aturally al	, , J	7 1.57	7,0	1.57	,,,,	71.57	,,0	1.57	,,0	. 1.57	,,,,	1.57	,,0

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