



1-3/4" Insulating Unit Constructed with three plies of 1/4" heat strengthened (HS) glass Height																																					
		24	4"	3	36" 48"			60"		72"		84"		96	96"		08"	Hei 120"		_	ht 132" 144"		14"	156"		168"		180"		192"		204"		216"		228"	
		uo		uo	0)	uo	0)	uo	0)	uo	a)	uo		uo o	0	uo	0)	uo	0)	uo	-	uo	0)	uo	0)	uo		6	a)	uo Uo	0)	uo	0)	no	0)	5	(I)
Wind Load	Width (Base)	Deflecti	Sightline	Deflecti	Sightline	Deflecti	Sightline	Deflecti	Sightline	Deflecti	Sightline	Deflecti	Sightline	Deflecti	Sightline	Deflecti	Sightline	Deflecti	Sightline	Deflecti	Sightline	Deflecti	Sightline	Deflecti	Sightline	Deflecti	Sightline	Deflecti	Sightline	Deflecti	Sightline	Deflecti	Sightline	Deflecti	Sightline	Deflecti	Sightline
	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"	0.39"	5/8"	0.44"	5/8"	0.49"	5/8"
	48"	0.04"	3/4"	0.15"	5/8"	0.25"	3/4"	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"	0.73"	5/8"	0.70"	5/8"	0.81"	5/8"	0.88"	5/8"	0.79"	5/8"	0.76"	5/8"	0.89"	5/8"
psf	60" 72"	0.06" 0.06"	5/8" 5/8"	0.20" 0.23"	5/8" 5/8"	0.34" 0.41"	3/4" 5/8"	0.44" 0.55"	3/4" 3/4"	0.55" 0.66"	3/4" 7/8"	0.66" 0.79"	3/4" 7/8"	0.76" 0.91"	3/4" 7/8"	0.85" 1.04"	3/4" 7/8"	0.95" 1.16"	3/4" 7/8"	0.94" >1.18"	3/4" 7/8"	1.07" >1.18"	3/4" 7/8"	>1.18" >1.18"	3/4" 7/8"	>1.18" >1.18"	3/4" 7/8"	>1.18" >1.18"	3/4" 7/8"	FT req. FT req.	3/4" 7/8"	FT req.	3/4" 7/8"	FT req. FT req.	3/4" 7/8"	FT req. FT req.	3/4" 7/8"
09 e	84"	0.06"	5/8"	0.25"	5/8"	0.41	5/8"	0.55	3/4"	0.79"	7/8"	0.79	7/8"	1.03"	7/8"	1.18"	7/8"	>1.10	7/8"	>1.18"	7/8"	>1.18"	7/8"	>1.18"	7/8"	>1.18"	7/8"	>1.18"	7/8"	FT req.	7/8"	FT req.	7/8"	FT req.	7/8"	FT req.	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"	>1.18"	1"	>1.18"	1"	>1.18"	1"	>1.18"	1"	>1.18"	1"	>1.18"	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	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"	>1.18"	1"	>1.18"	1"	>1.18"	1"	>1.18"	1"	>1.18"	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"
	120"	0.06"	5/8"	0.30"	5/8"	0.65"	5/8"	0.95"	3/4"	1.16"	7/8"	>1.18"	7/8"	>1.18"	1"	>1.18"	1"	>1.18"	1-1/8"	>1.18"	1-1/8"	FT req.	1-1/8"		1-1/8"	FT req.	1-1/8"	FT req.	1-1/8"		1-1/8"	FT req.	1-1/8"	FT req.	1-1/8"		1-1/8"
	132"	0.06"	5/8"	0.30"	5/8"	0.70"	5/8"	0.94"	3/4"	>1.18"	7/8"	>1.18"	7/8"	>1.18"	1"	>1.18"	1"	>1.18"	1-1/8"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"	FT req.	1-1/4"
	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"	0.06"	5/8"	0.15"	5/8"	0.16"	5/8"	0.18"	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"	0.26"	1/2"	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"	0.48"	5/8"	0.53"	5/8"	0.57"	5/8"	0.61"	5/8"	0.64"	5/8"	0.67"	5/8"	0.68"	5/8"	0.68"	5/8"	0.74"	5/8"	0.62"	5/8"	0.74"	5/8"	0.73"	5/8"
4	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"	1.05"	5/8"	1.13"	5/8"	>1.18"	5/8"	>1.18"	5/8"	>1.18"	5/8"	FT req.	5/8"	FT req.	5/8"
,sd C	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"	>1.18"	3/4"	>1.18"	3/4"	>1.18"	3/4"	>1.18"	3/4"	>1.18"	3/4"	FT req.	3/4"	FT req.	3/4"
5	84" 96"	0.05" 0.05"	5/8" 5/8"	0.22" 0.24"	5/8" 5/8"	0.43" 0.48"	5/8" 5/8"	0.59" 0.68"	5/8" 5/8"	0.72" 0.83"	3/4" 3/4"	0.82" 0.95"	7/8" 7/8"	0.95" 1.05"	7/8" 7/8"	1.08" 1.19"	3/4" 7/8"	1.21" 1.33"	3/4" 7/8"	1.34" >1.18"	3/4" 7/8"	>1.18" >1.18"	3/4" 7/8"	>1.18" >1.18"	3/4" 7/8"	>1.18" >1.18"	3/4" 7/8"	>1.18" >1.18"	3/4" 7/8"	>1.18" >1.18"	3/4" 7/8"	>1.18" >1.18"	3/4" 7/8"	FT req. FT req.	3/4" 7/8"	FT req.	3/4" 7/8"
	108"	0.05"	5/8"	0.25"	5/8"	0.48	5/8"	0.08	5/8"	0.85	3/4"	1.08"	3/4"	1.19"	7/8"	1.19	1"	>1.33	1"	>1.18"	1"	>1.18"	1"	>1.18"	1"	>1.18"	1"	>1.18"	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req. FT req.	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"	>1.18"	1"	>1.18"	1"	>1.18"	1"	>1.18"	1"	>1.18"	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.		FT req.	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"	>1.18"	7/8"	>1.18"	1"	>1.18"	1"	>1.18"	1"	>1.18"	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.	1"	FT req.		FT req.	1"
	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"	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"
4	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"	1.08"	5/8"	1.06"	5/8"	>1.18"	5/8"	>1.18"	5/8"
) psf	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"	>1.18"	5/8"	>1.18"	5/8"	>1.18"	5/8"	>1.18"	5/8"
4	84" 96"	0.04" 0.04"	5/8" 5/8"	0.18" 0.20"	1/2" 1/2"	0.37" 0.41"	1/2" 1/2"	0.52" 0.60"	5/8" 5/8"	0.64" 0.74"	5/8" 5/8"	0.73" 0.85"	3/4" 3/4"	0.85" 0.95"	3/4" 3/4"	0.97" 1.08"	3/4" 3/4"	1.09" 1.21"	3/4" 3/4"	1.21" 1.34"	3/4" 3/4"	1.33" 1.47"	3/4" 3/4"	1.45" 1.61"	3/4" 3/4"	1.57" >1.18"	3/4" 3/4"	1.70" >1.18"	3/4" 3/4"	>1.18" >1.18"	3/4" 3/4"	>1.18" >1.18"	3/4" 3/4"	>1.18" >1.18"	3/4" 3/4"	>1.18" >1.18"	3/4" 3/4"
	108"	0.04"	5/8"	0.20"	1/2"	0.41	1/2"	0.67"	5/8"	0.74	5/8"	0.83	3/4"	1.08"	3/4"	1.17"	3/4 7/8"	1.31"	3/4 7/8"	1.45"	3/4 7/8"	1.59"	3/4 7/8"	>1.01	3/4 7/8"	>1.18"	3/4 7/8"	>1.18"	3/4 7/8"	>1.18"	3/4 7/8"	>1.18"	3/4 7/8"	>1.18"	3/4 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"	>1.13"	7/8"	>1.18"		>1.18"		>1.18"	7/8"	>1.18"	7/8"	>1.18"	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"	>1.18"	7/8"	>1.18"	7/8"	>1.18"	7/8"	>1.18"		>1.18"	7/8"	>1.18"	7/8"	>1.18"	7/8"	>1.18"	7/8"	FT req.	7/8"	FT req.	7/8"
	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"	0.03"	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"	0.16"	1/2"	0.20"	1/2"	0.22"	1/2"	0.25"	1/2"
30 psf	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"	0.33"	1/2"	0.37"	1/2"	0.39"	1/2"	0.41"	1/2"	0.43"	1/2"	0.44"	1/2"	0.45"	1/2"	0.46"	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" 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"	1.18"	5/8"	1.29"	5/8"	1.41"	5/8"	1.53"	5/8"	1.65"	5/8"	1.78"	5/8"	>1.18"	5/8"	>1.18"	5/8"	>1.18"	5/8"
	108" 120"	0.03" 0.03"	1/2" 1/2"	0.16" 0.16"	1/2"	0.37" 0.39"	1/2" 1/2"	0.56" 0.62"	1/2" 1/2"	0.72" 0.81"	5/8" 5/8"	0.84" 0.95"	5/8" 5/8"	0.94" 1.06"	5/8" 5/8"	1.03" 1.15"	3/4" 3/4"	1.15" 1.24"	3/4" 3/4"	1.28" 1.37"	3/4" 3/4"	1.40" 1.50"	3/4" 3/4"	1.53" 1.63"	3/4" 3/4"	1.66" 1.77"	5/8" 3/4"	1.80" 1.91"	5/8" 3/4"	1.93" >1.18"	5/8" 3/4"	>1.18" >1.18"	5/8" 3/4"	>1.18" >1.18"	·	>1.18" >1.18"	5/8" 3/4"
	132"	0.03"	1/2"	0.16"	1/2"	0.39	1/2"	0.68"	1/2"	0.81	5/8"	1.05"	5/8"	1.18"	5/8"	1.13	3/4"	1.37"	3/4"	1.45"	3/4"	1.59"	3/4"	1.72"	3/4"	>1.77	3/4"	>1.31	3/4"	>1.18"	3/4"	>1.18"	3/4"	>1.18"			3/4"
			, =	Va	lues are fo	vertically in	nstalled glo	ass. Deflect	tion is cente	r of glass b	ased on AS	TM E1300 a	nd is calcu	lated using	Window G	ilass Desig	n (WGD5) a	nd Advance	d Window	Glass Desig	n (v3.0.1.0). Sightline	e is for stru	cturally gla	zed units b	ased on AS	TM C1249.	When conve	entionally	glazed, the	minimum s	ightline is 1	1/2".		-, -		