

DEFLECTION AND SIGHTLINE REFERENCE GUIDE

1-1/8" Insulating Unit Constructed with two plies of 5/16" fully tempered (FT) glass Height																																					
		24	24" 36" 48"					6	0"	7:	84	84" 96"			108"		Hei 120"			132" 144"		44"	156"		168"		180"		19	192"		204"		216"		228"	
		uo	o o	noi	o o	uo	a)	no	o o	uo	a)	uo	a)	u	a)	uo	a)	uo	o o	uo	o o	no	a	no	a)	uo	o o	uo	a	uo	o o	uo	a)	noi	o o	LO.	a)
Wind Load	Width	eflecti	ghtlin	eflecti	ghtlin	eflecti	ghtlin	eflecti	ghtlin	eflecti	ghtlin	eflecti	ghtlin	eflecti	ghtlin	eflecti	ghtlin	eflecti	ghtlin	eflecti	ghtline	eflecti	ghtlin	eflecti	ghtlin	eflecti	ghtlin	eflecti	ghtlin								
Load	(Base) 24"	ق 0.00"	্ট্র 1"	0.00"	3/4"	ق 0.02"	3/4"	0.03"	5/8"	0.03"	र्जें 5/8"	ق 0.04"	:हैं 5/8"	0.04"	र्डें 5/8"	ق 0.04"	5/8"	ق 0.04"	ਤੌਂ 5/8"	ق 0.04"	र्जें 5/8"	0.04"	5/8"	ق 0.04"	5/8"	0.04"	نَّةُ 5/8"	ق 0.04"	र्डें 5/8"	0.04"	5/8"	0.11"	र्जें 5/8"	ق 0.12"	र्जें 5/8"	0.14"	र्जें 5/8"
e0 psf	36"	0.00"	3/4"	0.06"	3/4"	0.02	5/8"	0.03	5/8"	0.03	5/8"	0.18"	5/8"	0.04	5/8"	0.04	5/8"	0.20"	5/8"	0.20"	5/8"	0.04	5/8"	0.04	5/8"	0.19"	5/8"	0.19"	5/8"	0.20"	5/8"	0.11	5/8"	0.12	5/8"	0.14	5/8"
	48"	0.02"	3/4"	0.09"	5/8"	0.19"	5/8"	0.26"	5/8"	0.32"	5/8"	0.38"	5/8"	0.43"	5/8"	0.47"	5/8"	0.50"	5/8"	0.52"	5/8"	0.54"	5/8"	0.56"	5/8"	0.57"	5/8"	0.58"	5/8"	0.59"	5/8"	0.53"	5/8"	0.50"	5/8"	0.59"	5/8"
	60"	0.03"	5/8"	0.13"	5/8"	0.26"	5/8"	0.37"	3/4"	0.47"	5/8"	0.56"	5/8"	0.65"	5/8"	0.73"	5/8"	0.80"	5/8"	0.87"	5/8"	0.93"	5/8"	0.99"	5/8"	1.05"	5/8"	1.10"	5/8"	1.15"	5/8"	1.13"	5/8"	1.13"	5/8"	1.26"	5/8"
	72"	0.03"	5/8"	0.16"	5/8"	0.32"	5/8"	0.47"	5/8"	0.59"	3/4"	0.71"	3/4"	0.82"	3/4"	0.93"	3/4"	1.04"	3/4"	1.15"	3/4"	1.25"	3/4"	1.35"	3/4"	1.45"	3/4"	1.55"	3/4"	1.65"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"
	84"	0.04"	5/8"	0.18"	5/8"	0.38"	5/8"	0.56"	5/8"	0.71"	3/4"	0.82"	3/4"	0.96"	3/4"	1.10"	3/4"	1.23"	3/4"	1.36"	3/4"	1.49"	3/4"	1.62"	3/4"	1.76"	3/4"	1.89"	3/4"	2.04"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"
	96"	0.04"	5/8"	0.19"	5/8"	0.43"	5/8"	0.65"	5/8"	0.82"	3/4"	0.96"	3/4"	1.08"	7/8"	1.23"	7/8"	1.38"	7/8"	1.53"	7/8"	1.68"	7/8"	1.83"	7/8"	1.99"	7/8"	2.15"	7/8"	2.31"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"
	108"	0.04"	5/8"	0.20"	5/8"	0.47"	5/8"	0.73"	5/8"	0.93"	3/4"	1.10"	3/4"	1.23"	7/8"	1.34"	7/8"	1.50"	7/8"	1.67"	7/8"	1.83"	7/8"	1.99"	7/8"	2.16"	7/8"	2.34"	7/8"	2.52"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"
	120"	0.04"	5/8"	0.20"	5/8"	0.50"	5/8"	0.80"	5/8"	1.04"	3/4"	1.23"	3/4"	1.38"	7/8"	1.50"	7/8"	1.61"	1"	1.78"	1"	1.96"	1"	2.13"	1"	2.31"	1"	2.49"	1"	2.67"	1"	>1.57"	1"	>1.57"	1"	>1.57"	1"
50 psf	132" 24"	0.04"	5/8" 7/8"	0.20"	5/8" 3/4"	0.52"	5/8" 5/8"	0.87"	5/8" 5/8"	1.15" 0.03"	3/4" 5/8"	1.36" 0.03"	3/4" 5/8"	1.53" 0.03"	7/8" 5/8"	1.67" 0.03"	7/8" 5/8"	1.78" 0.03"	5/8"	1.89" 0.03"	5/8"	2.07" 0.03"	1" 5/8"	2.25" 0.03"	5/8"	2.43" 0.03"	5/8"	2.62" 0.03"	1" 5/8"	2.81" 0.03"	1" 5/8"	>1.57" 0.09"	1" 5/8"	>1.57"	5/8"	>1.57" 0.11"	5/8"
	36"	0.00"	3/4"	0.05"	3/4"	0.01	5/8"	0.02	5/8"	0.03	5/8"	0.05	3/8 1/2"	0.03	3/8 1/2"	0.03	1/2"	0.03	3/8 1/2"	0.05	3/8 1/2"	0.03	1/2"	0.03	1/2"	0.03	1/2"	0.03	1/2"	0.03	1/2"	0.09	3/8 1/2"	0.10	3/8 1/2"	0.11	3/8 1/2"
	48"	0.01"	5/8"	0.03"	5/8"	0.17"	5/8"	0.22"	5/8"	0.28"	5/8"	0.33"	5/8"	0.10	5/8"	0.41"	5/8"	0.43"	5/8"	0.45"	5/8"	0.47"	5/8"	0.48"	1/2"	0.49"	1/2"	0.49"	1/2"	0.50"	1/2"	0.41"	1/2"	0.50"	1/2"	0.48"	1/2"
	60"	0.02"	5/8"	0.11"	5/8"	0.22"	5/8"	0.33"	5/8"	0.42"	5/8"	0.50"	5/8"	0.57"	5/8"	0.65"	5/8"	0.71"	5/8"	0.77"	5/8"	0.82"	5/8"	0.87"	5/8"	0.91"	5/8"	0.96"	5/8"	1.00"	5/8"	0.93"	5/8"	1.06"	5/8"	1.07"	5/8"
	72"	0.03"	5/8"	0.13"	5/8"	0.28"	5/8"	0.42"	5/8"	0.53"	5/8"	0.64"	5/8"	0.74"	5/8"	0.84"	5/8"	0.94"	5/8"	1.03"	5/8"	1.12"	5/8"	1.21"	5/8"	1.30"	5/8"	1.38"	5/8"	1.47"	5/8"	1.53"	5/8"	>1.57"	5/8"	1.43"	5/8"
	84"	0.03"	5/8"	0.15"	1/2"	0.33"	5/8"	0.50"	5/8"	0.64"	5/8"	0.75"	3/4"	0.87"	3/4"	1.00"	3/4"	1.12"	3/4"	1.24"	3/4"	1.36"	3/4"	1.48"	3/4"	1.59"	3/4"	1.71"	3/4"	1.84"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"
	96"	0.03"	5/8"	0.16"	1/2"	0.37"	5/8"	0.57"	5/8"	0.74"	5/8"	0.87"	3/4"	0.98"	3/4"	1.12"	3/4"	1.26"	3/4"	1.40"	3/4"	1.54"	3/4"	1.68"	3/4"	1.82"	3/4"	1.96"	3/4"	2.11"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"
	108"	0.03"	5/8"	0.16"	1/2"	0.41"	5/8"	0.65"	5/8"	0.84"	5/8"	1.00"	3/4"	1.12"	3/4"	1.23"	3/4"	1.38"	3/4"	1.54"	3/4"	1.69"	3/4"	1.84"	3/4"	1.99"	3/4"	2.15"	3/4"	2.32"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"
	120"	0.03"	5/8"	0.17"	1/2"	0.43"	5/8"	0.71"	5/8"	0.94"	5/8"	1.12"	3/4"	1.26"	3/4"	1.38"	3/4"	1.49"	7/8"	1.65"	7/8"	1.81"	7/8"	1.97"	7/8"	2.14"	7/8"	2.30"	7/8"	2.48"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"
	132"	0.03"	5/8"	0.16"	1/2"	0.45"	5/8"	0.77"	5/8"	1.03"	5/8"	1.24"	3/4"	1.40"	3/4"	1.54"	3/4"	1.65"	7/8"	1.75"	7/8"	1.92"	7/8"	2.09"	7/8"	2.26"	7/8"	2.43"	7/8"	2.61"	7/8"	>1.57"	7/8"	>1.57"	7/8"	>1.57"	7/8"
40 psf	24"	0.00"	7/8"	0.00"	3/4"	0.00"	5/8"	0.01"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	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"	0.07"	5/8"	0.08"	5/8"	0.09"	5/8"
	36" 48"	0.00" 0.00"	3/4" 5/8"	0.04" 0.06"	5/8" 5/8"	0.06" 0.14"	5/8" 5/8"	0.08" 0.18"	1/2" 1/2"	0.10" 0.23"	1/2" 1/2"	0.12" 0.27"	1/2" 1/2"	0.13" 0.31"	1/2" 1/2"	0.13" 0.34"	1/2" 1/2"	0.13" 0.36"	1/2" 1/2"	0.13" 0.38"	1/2" 1/2"	0.13" 0.39"	1/2" 1/2"	0.13" 0.39"	1/2" 1/2"	0.13" 0.40"	1/2" 1/2"	0.13" 0.40"	1/2" 1/2"	0.13" 0.40"	1/2" 1/2"	0.17" 0.32"	1/2" 1/2"	0.19" 0.39"	1/2" 1/2"	0.21" 0.38"	1/2" 1/2"
	60"	0.00"	5/8"	0.08"	1/2"	0.14	1/2"	0.18	5/8"	0.25	5/8"	0.43"	1/2"	0.31	1/2"	0.54"	1/2"	0.61"	1/2"	0.66"	1/2"	0.70"	1/2"	0.74"	1/2"	0.40	1/2"	0.40	1/2"	0.40	1/2"	0.75"	1/2"	0.33	1/2"	0.38	1/2"
	72"	0.02"	5/8"	0.10"	1/2"	0.23"	1/2"	0.36"	5/8"	0.46"	5/8"	0.56"	5/8"	0.65"	5/8"	0.74"	5/8"	0.82"	5/8"	0.91"	5/8"	0.98"	5/8"	1.06"	5/8"	1.13"	5/8"	1.20"	5/8"	1.26"	5/8"	1.31"	5/8"	1.39"	5/8"	1.44"	5/8"
	84"	0.02"	5/8"	0.12"	, 1/2"	0.27"	, 1/2"	0.43"	1/2"	0.56"	5/8"	0.66"	5/8"	0.77"	5/8"	0.89"	5/8"	1.00"	5/8"	1.10"	5/8"	1.21"	5/8"	1.31"	5/8"	1.41"	5/8"	1.51"	5/8"	1.61"	5/8"	>1.57"	5/8"	>1.57"	5/8"	>1.57"	5/8"
	96"	0.02"	5/8"	0.13"	1/2"	0.31"	1/2"	0.49"	1/2"	0.65"	5/8"	0.77"	5/8"	0.88"	5/8"	1.01"	5/8"	1.13"	5/8"	1.26"	5/8"	1.38"	5/8"	1.51"	5/8"	1.63"	5/8"	1.75"	5/8"	1.88"	5/8"	>1.57"	5/8"	>1.57"	5/8"	>1.57"	5/8"
	108"	0.02"	5/8"	0.13"	1/2"	0.34"	1/2"	0.56"	1/2"	0.74"	5/8"	0.89"	5/8"	1.01"	5/8"	1.11"	3/4"	1.25"	3/4"	1.39"	3/4"	1.52"	3/4"	1.66"	3/4"	1.80"	3/4"	1.94"	3/4"	2.09"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"
	120"	0.02"	5/8"	0.13"	1/2"	0.36"	1/2"	0.61"	1/2"	0.82"	5/8"	1.00"	5/8"	1.13"	5/8"	1.25"	3/4"	1.35"	3/4"	1.50"	3/4"	1.64"	3/4"	1.79"	3/4"	1.94"	3/4"	2.09"	3/4"	2.25"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"
	132"	0.03"	5/8"	0.13"	1/2"	0.38"	1/2"	0.66"	1/2"	0.91"	5/8"	1.10"	5/8"	1.26"	5/8"	1.39"	3/4"	1.50"	3/4"	1.60"	3/4"	1.75"	3/4"	1.91"	3/4"	2.06"	3/4"	2.22"	3/4"	2.38"	3/4"	>1.57"	3/4"	>1.57"	3/4"	>1.57"	3/4"
30 psf	24"	0.00"	7/8"	0.00"	5/8"	0.00"	5/8"	0.01"	5/8"	0.01"	5/8"	0.02"	5/8"	0.02"	5/8"	0.02"	1/2"	0.02"	1/2"	0.02"	1/2"	0.02"	1/2"	0.02"	1/2"	0.02"	1/2"	0.02"	1/2"	0.02"	1/2"	0.05"	1/2"	0.06"	1/2"	0.07"	1/2"
	36"	0.00"	5/8"	0.00"	5/8"	0.04"	1/2"	0.06"	1/2"	0.07"	1/2"	0.09"	1/2"	0.09"	1/2"	0.10"	1/2"	0.10"	1/2"	0.10"	1/2"	0.10"	1/2"	0.10"	1/2"	0.09"	1/2"	0.10"	1/2"	0.10"	1/2"	0.12"	1/2"	0.14"	1/2"	0.15"	1/2"
	48" 60"	0.00"	5/8" 5/8"	0.04" 0.06"	1/2" 1/2"	0.10" 0.14"	1/2" 1/2"	0.14" 0.23"	1/2" 1/2"	0.18" 0.29"	1/2"	0.21" 0.35"	1/2"	0.24" 0.40"	1/2"	0.26" 0.45"	1/2" 1/2"	0.28" 0.50"	1/2" 1/2"	0.29" 0.54"	1/2" 1/2"	0.30" 0.57"	1/2" 1/2"	0.30"	1/2"	0.31" 0.62"	1/2"	0.31" 0.64"	1/2" 1/2"	0.31" 0.66"	1/2"	0.26"	1/2" 1/2"	0.31" 0.60"	1/2" 1/2"	0.29" 0.68"	1/2" 1/2"
	72"	0.01" 0.01"	5/8"	0.00"	1/2"	0.14	1/2"	0.23	1/2"	0.29	1/2" 1/2"	0.33	1/2" 1/2"	0.40	1/2" 1/2"	0.43	1/2"	0.69"	1/2"	0.76"	1/2"	0.37	1/2"	0.60" 0.88"	1/2" 1/2"	0.02	1/2" 1/2"	0.04	1/2"	1.04"	1/2" 1/2"	0.61" 1.04"	1/2"	1.12"	1/2"	0.08	1/2"
	84"	0.02"	5/8"	0.09"	1/2"	0.21"	1/2"	0.35"	1/2"	0.46"	1/2"	0.56"	1/2"	0.66"	1/2"	0.76"	1/2"	0.85"	1/2"	0.94"	1/2"	1.03"	1/2"	1.11"	1/2"	1.20"	1/2"	1.28"	1/2"	1.36"	1/2"	1.39"	1/2"	1.44"	1/2"	1.57"	1/2"
	96"	0.02"	5/8"	0.09"	1/2"	0.24"	1/2"	0.40"	1/2"	0.54"	1/2"	0.66"	1/2"	0.76"	5/8"	0.87"	5/8"	0.98"	5/8"	1.09"	5/8"	1.20"	5/8"	1.30"	5/8"	1.41"	5/8"	1.51"	5/8"	1.62"	5/8"	>1.57"	5/8"	>1.57"	5/8"	>1.57"	5/8"
	108"	0.02"	1/2"	0.10"	1/2"	0.26"	1/2"	0.45"	1/2"	0.62"	1/2"	0.76"	, 1/2"	0.87"	5/8"	0.97"	5/8"	1.09"	5/8"	1.21"	5/8"	1.33"	5/8"	1.45"	5/8"	1.57"	5/8"	1.69"	5/8"	1.82"	5/8"	>1.57"	5/8"	>1.57"	5/8"	>1.57"	5/8"
	120"	0.02"	1/2"	0.10"	1/2"	0.28"	1/2"	0.50"	1/2"	0.69"	1/2"	0.85"	1/2"	0.98"	5/8"	1.09"	5/8"	1.18"	5/8"	1.31"	5/8"	1.45"	5/8"	1.58"	5/8"	1.71"	5/8"	1.84"	5/8"	1.98"	5/8"	>1.57"	5/8"	>1.57"	5/8"	>1.57"	5/8"
	132"	0.02"	1/2"	0.10"	1/2"	0.29"	1/2"	0.54"	1/2"	0.76"	1/2"	0.94"	1/2"	1.09"	5/8"	1.21"	5/8"	1.31"	5/8"	1.41"	5/8"	1.55"	5/8"	1.69"	5/8"	1.83"	5/8"	1.97"	5/8"	2.11"	5/8"	>1.57"	5/8"	>1.57"	5/8"	>1.57"	5/8"
				Val	ues are for	vertically in	nstalled ald	ass. Deflect	ion is cente	er of alass b	ased on AS	TM E1300 a	nd is calcu	lated usina	Window G	lass Desia	n (WGD5) a	nd Advance	d Window (Glass Design	ı (v3.0.1.0). Sightlin	e is for stru	cturally alo	azed units b	ased on AS	TM C1249.	When conv	entionally	alazed, the	minimum	iahtline is	1/2"				