

1-13/16" Insulating Unit Constructed with a 5/16" glass outboard and plies of 1/4" middle and inboard, all glass heat strengthened (HS)																																						
																			Height																			
			24"		3	36" 48"		60"		72"		84"		9	6"	108"		120"		132" 1		14	14" 156"		6"	168"		180"		19	192"		204"		216"		228"	
Wind		/idth Base)	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
		24"	0.00"	1"	0.00"	3/4"	0.02"	3/4"	0.03"	3/4"	0.04"	3/4"	0.04"	3/4"	0.04"	3/4"	0.04"	5/8"	0.04"	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"	0.12"	5/8"	0.13"	5/8"	0.15"	5/8"
fol nsf	60 pst	24 36" 48" 60" 72" 84" 96" 108" 120" 132"	0.00" 0.02" 0.03" 0.04" 0.04" 0.04" 0.04" 0.04" 0.04"	1 3/4" 3/4" 3/4" 3/4" 3/4" 5/8" 5/8" 5/8"	0.00 0.07" 0.10" 0.14" 0.17" 0.19" 0.21" 0.21" 0.21"	3/4 7/8" 3/4" 3/4" 5/8" 5/8" 5/8" 5/8" 5/8"	0.02 0.10" 0.21" 0.28" 0.34" 0.40" 0.40" 0.50" 0.53" 0.55"	3/4 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3	0.03 0.14" 0.28" 0.40" 0.49" 0.59" 0.68" 0.77" 0.84" 0.90"	3/4 3/4" 3/4" 7/8" 7/8" 7/8" 7/8" 7/8" 7/8" 7/8" 7/8	0.04 0.17" 0.34" 0.49" 0.62" 0.74" 0.86" 0.98" 1.06" 1.19"	3/4" 3/4" 7/8" 7/8" 7/8" 7/8" 7/8" 7/8" 7/8"	0.04 0.19" 0.40" 0.59" 0.74" 0.86" 1.00" 1.13" 1.27" 1.41"	3/4 5/8" 3/4" 7/8" 7/8" 1" 1" 1" 1" 1"	0.21" 0.46" 0.68" 0.86" 1.00" 1.12" 1.28" 1.43"	3/4 5/8" 3/4" 7/8" 1" 1-1/8" 1-1/8" 1-1/8" 1-1/8"	0.21" 0.50" 0.77" 0.98" 1.13" 1.28" 1.39" 1.56"	5/8 5/8" 3/4" 7/8" 1" 1-1/8" 1-1/8" 1-1/8" 1-1/8"	0.21" 0.53" 0.84" 1.06" 1.27" 1.43" 1.56" >1.57"	5/8 5/8" 3/4" 7/8" 1" 1-1/8" 1-1/8" 1-1/4" 1-1/4"	0.04 0.21" 0.55" 0.90" 1.19" 1.41" >1.57" >1.57" <i>FT req.</i> <i>FT req.</i>	5/8" 3/4" 7/8" 7/8" 1" 1-1/8" 1-1/8" 1-1/4"	0.05 0.21" 0.58" 0.87" 1.31" 1.55" >1.57" <i>FT req.</i> <i>FT req.</i> <i>FT req.</i>	5/8" 3/4" 7/8" 7/8" 1" 1-1/8" 1-1/8" 1-1/4"	0.21" 0.50" 0.99" FT req. FT req. FT req.	5/8" 3/4" 7/8" 7/8" 1" 1-1/8" 1-1/8" 1-1/4"	0.05 0.21" 0.60" FT req. FT req. FT req. FT req. FT req. FT req. FT req.	5/8" 3/4" 7/8" 7/8" 1" 1" 1-1/8" 1-1/4"	0.21" 0.58" FT req. FT req. FT req. FT req. FT req. FT req.	5/8" 3/4" 7/8" 7/8" 1" 1" 1-1/8"	0.21" 0.64" FT req. FT req. FT req. FT req. FT req. FT req.	5/8 5/8" 3/4" 7/8" 1" 1" 1-1/8" 1-1/4" 1-3/8"	0.27" 0.51" FT req. FT req. FT req. FT req. FT req. FT req.	5/8" 3/4" 7/8" 7/8" 1" 1" 1-1/8" 1-1/4"	0.30" 0.63" FT req. FT req. FT req. FT req. FT req. FT req.	5/8" 3/4" 3/4" 7/8" 1" 1" 1-1/8"	0.34" 0.61" FT req. FT req. FT req. FT req. FT req.	5/8 5/8" 3/4" 7/8" 1" 1-1/8" 1-1/4" 1-3/8"
		24" 36" 48"	0.00" 0.00" 0.01"	1" 3/4" 3/4"	0.00" 0.06" 0.08"	3/4" 3/4" 3/4"	0.01" 0.08" 0.18"	3/4" 3/4" 3/4"	0.02" 0.12" 0.24"	3/4" 5/8" 3/4"	0.03" 0.14" 0.30"	5/8" 5/8"	0.03" 0.16" 0.35"	5/8" 5/8" 5/8"	0.03" 0.17" 0.40"	5/8" 5/8" 5/8"	0.03" 0.18" 0.43"	5/8" 5/8" 5/8"	0.03" 0.18" 0.46"	5/8" 5/8" 5/8"	0.04" 0.18" 0.48"	5/8" 5/8" 5/8"	0.04" 0.18" 0.50"	5/8" 5/8" 5/8"	0.04" 0.17" 0.51"	5/8" 5/8" 5/8"	0.04" 0.17" 0.52"	5/8" 5/8" 5/8"	0.04" 0.17" 0.54"	5/8" 5/8" 5/8"	0.04" 0.18" 0.54"	5/8" 5/8" 5/8"	0.10" 0.23" 0.55"	5/8" 5/8" 5/8"	0.11" 0.25" 0.50"	5/8" 5/8" 5/8"	0.12" 0.28" 0.54"	5/8" 5/8" 5/8"
50 ncf	2	60" 72" 84" 96" 108"	0.02" 0.03" 0.03" 0.03" 0.03"	3/4" 5/8" 5/8" 5/8" 5/8"	0.12" 0.14" 0.16" 0.17" 0.18"	5/8" 5/8" 5/8" 5/8" 5/8"	0.24" 0.30" 0.35" 0.40" 0.43"	3/4" 5/8" 5/8" 5/8" 5/8"	0.24 0.35" 0.44" 0.53" 0.61" 0.68"	3/4" 3/4" 3/4" 3/4" 3/4"	0.44" 0.55" 0.67" 0.78" 0.88"	3/4" 7/8" 7/8"	0.53" 0.67" 0.78" 0.91" 1.04"	3/4" 7/8" 7/8" 7/8" 7/8"	0.61" 0.78" 0.91" 1.02" 1.17"	3/4" 7/8" 7/8" 1" 1"	0.68" 0.88" 1.04" 1.17" 1.28"	3/4" 7/8" 7/8" 1" 1"	0.75" 0.99" 1.17" 1.32" 1.45"	3/4" 3/4" 7/8" 1" 1"	0.75" 1.06" 1.29" 1.45" >1.57"	3/4" 3/4" 7/8" 1" 1"	0.85" 0.85" 1.18" 1.41" >1.57" >1.57"	3/4" 3/4" 7/8" 1" 1"	0.85" 1.23" 1.53" >1.57" >1.57"	3/4" 3/4" 7/8" 1" 1"	0.95" 0.95" 1.24" >1.57" >1.57" <i>FT req.</i>	3/4" 3/4" 7/8" 1" 1"	1.02" FT req. FT req. FT req. FT req.	3/4" 3/4" 7/8" 1" 1"	0.97" FT req. FT req. FT req. FT req.	3/4" 3/4" 7/8" 1" 1"	1.03" FT req. FT req. FT req. FT req.	3/4" 3/4" 7/8" 1" 1"	FT req. FT req. FT req. FT req. FT req.	3/4"	FT req. FT req. FT req. FT req. FT req. FT req.	3/4" 3/4" 7/8" 1" 1"
		120" 132" 24"	0.03" 0.04" 0.00"	5/8" 5/8" 7/8"	0.18" 0.18" 0.00"	5/8" 5/8" 3/4"	0.46" 0.48" 0.00"	5/8" 5/8" 5/8"	0.75" 0.75" 0.02"	3/4" 3/4" 5/8"	0.99" 1.06" 0.02"	3/4" 3/4" 5/8"	1.17" 1.29" 0.03"	7/8" 7/8" 5/8"	1.32" 1.45" 0.03"	1" 1" 5/8"	1.45" >1.57" 0.03"	1" 1" 5/8"	1.54" >1.57" 0.03"	1-1/8" 1-1/8" 5/8"	>1.57" >1.57" 0.03"		>1.57" <i>FT req.</i> 0.03"		FT req. FT req. 0.03"		FT req. FT req. 0.03"			1-1/8" 1-1/8" 5/8"		1-1/8" 1-1/8" 5/8"		1-1/8" 1-1/8" 5/8"	FT req. FT req. 0.09"	1-1/8" 1-1/8" 5/8"	FT req. FT req. 0.10"	1-1/8" 1-1/8" 5/8"
10 nef	psr	24 36" 48" 60" 72" 84"	0.00" 0.00" 0.02" 0.02" 0.03"	3/4" 5/8" 5/8" 5/8" 5/8"	0.04" 0.06" 0.09" 0.11" 0.13"	3/4" 5/8" 5/8" 5/8" 5/8"	0.06" 0.15" 0.20" 0.25" 0.29"	5/8" 5/8" 5/8" 5/8" 5/8"	0.02" 0.20" 0.30" 0.38" 0.45"	5/8" 5/8" 5/8" 5/8" 5/8"	0.02 0.11" 0.25" 0.38" 0.48" 0.58"	5/8" 5/8" 5/8" 3/4" 3/4"	0.03 0.13" 0.29" 0.45" 0.58" 0.69"	5/8" 5/8" 5/8" 3/4" 3/4"	0.03 0.14" 0.33" 0.52" 0.68" 0.81"	5/8" 5/8" 5/8" 3/4" 3/4"	0.14" 0.36" 0.59" 0.78" 0.93"	5/8" 5/8" 5/8" 3/4" 3/4"	0.03 0.14" 0.39" 0.65" 0.87" 1.04"	5/8" 5/8" 5/8" 3/4" 3/4"	0.03 0.14" 0.40" 0.70" 0.95" 1.15"	5/8" 5/8" 5/8" 3/4" 3/4"	0.03 0.14" 0.42" 0.74" 1.03" 1.26"	5/8" 5/8" 5/8" 3/4" 3/4"	0.03 0.14" 0.42" 0.71" 1.05" 1.36"	1/2" 5/8" 5/8" 3/4" 3/4"	0.03 0.14" 0.43" 0.80" 1.04" 1.47"	1/2" 5/8" 5/8" 3/4" 3/4"	0.03 0.14" 0.43" 0.86" 1.19" 1.47"	1/2" 5/8" 5/8" 3/4" 3/4"	0.03 0.14" 0.44" 0.79" 1.25" >1.57"	1/2" 5/8" 5/8" 3/4" 3/4"	0.08 0.18" 0.43" 0.85" 1.49" >1.57"	1/2" 5/8" 5/8" 3/4" 3/4"	0.03 0.20" 0.40" 0.97" >1.57" <i>FT reg.</i>	3/8 1/2" 5/8" 5/8" 3/4" 3/4"	0.23" 0.45" 1.01" <i>FT req.</i> <i>FT req.</i>	5/8" 5/8" 5/8" 3/4" 3/4"
		96" 108" 120" 132"	0.03" 0.03" 0.03" 0.03"	5/8" 5/8" 5/8" 5/8"	0.14" 0.14" 0.14" 0.14"	5/8" 5/8" 5/8" 5/8"	0.33" 0.36" 0.39" 0.40"	5/8" 5/8" 5/8" 5/8"	0.52" 0.59" 0.65" 0.70"	5/8" 5/8" 5/8" 5/8"	0.68" 0.78" 0.87" 0.95"	3/4" 3/4" 3/4" 3/4"	0.81" 0.93" 1.04" 1.15"	3/4" 3/4" 3/4" 3/4"	0.92" 1.05" 1.18" 1.31"	7/8" 7/8" 7/8" 7/8" 7/8"	1.05" 1.15" 1.30" 1.44"	7/8" 7/8" 7/8" 7/8" 7/8"	1.18" 1.30" 1.40" 1.55"	7/8" 7/8" 1" 1"	1.31" 1.44" 1.55" >1.57"	7/8" 7/8" 1" 1"	1.44" >1.57" >1.57" >1.57"	7/8" 7/8" 1" 1"	1.57" >1.57" >1.57" >1.57"	7/8" 7/8" 1" 1"	>1.57" >1.57" >1.57" >1.57"	7/8" 7/8" 1" 1"	>1.57" >1.57" >1.57" >1.57"	7/8" 7/8" 1" 1"	>1.57" >1.57" >1.57" <i>FT req.</i>	7/8" 7/8" 1" 1"	>1.57" >1.57" FT req. FT req.	7/8" 7/8" 1" 1"	FT req. FT req. FT req. FT req.	7/8" 7/8" 1" 1"	FT req. FT req. FT req. FT req.	7/8" 7/8" 1" 1"
30 nef	psr	24" 36" 48" 60" 72" 84"	0.00" 0.00" 0.01" 0.02" 0.02"	7/8" 3/4" 5/8" 5/8" 5/8" 5/8"	0.00" 0.00" 0.04" 0.06" 0.08" 0.09"	3/4" 5/8" 5/8" 1/2" 1/2" 1/2"	0.00" 0.04" 0.11" 0.15" 0.19" 0.23"	5/8" 5/8" 5/8" 1/2" 1/2"	0.01" 0.06" 0.15" 0.24" 0.31" 0.37"	5/8" 1/2" 5/8" 5/8" 5/8" 5/8"	0.02" 0.08" 0.19" 0.31" 0.41" 0.49"	5/8" 5/8" 5/8"	0.02" 0.09" 0.23" 0.37" 0.49" 0.59"	5/8" 1/2" 1/2" 5/8" 5/8" 5/8"	0.02" 0.10" 0.26" 0.43" 0.57" 0.69"	5/8" 1/2" 1/2" 5/8" 5/8" 5/8"	0.02" 0.11" 0.28" 0.48" 0.65" 0.79"	5/8" 1/2" 1/2" 5/8" 5/8" 5/8"	0.02" 0.11" 0.30" 0.53" 0.73" 0.89"	5/8" 1/2" 1/2" 5/8" 5/8" 5/8"	0.02" 0.11" 0.32" 0.57" 0.80" 0.98"	5/8" 1/2" 1/2" 5/8" 5/8" 5/8"	0.02" 0.11" 0.32" 0.60" 0.86" 1.08"	5/8" 1/2" 1/2" 5/8" 5/8" 5/8"	0.02" 0.10" 0.33" 0.64" 0.93" 1.17"	5/8" 1/2" 1/2" 1/2" 5/8" 5/8"	0.02" 0.10" 0.33" 0.66" 0.99" 1.26"	5/8" 1/2" 1/2" 1/2" 5/8" 5/8"	0.02" 0.10" 0.33" 0.69" 1.04" 1.34"	5/8" 1/2" 1/2" 1/2" 5/8" 5/8"	0.02" 0.11" 0.33" 0.71" 1.02" 1.40"	5/8" 1/2" 1/2" 1/2" 5/8" 5/8"	0.06" 0.13" 0.33" 0.60" 1.22" 1.43"	1/2" 1/2" 1/2" 1/2" 5/8" 5/8"	0.07" 0.15" 0.31" 0.77" 1.31" >1.57"	1/2" 1/2" 1/2" 1/2" 5/8" 5/8"	0.07" 0.17" 0.34" 0.77" 1.30" >1.57"	1/2" 1/2" 1/2" 1/2" 5/8" 5/8"
		96" 108" 120" 132"	0.02" 0.02" 0.02" 0.02"	5/8" 5/8" 5/8" 5/8"	0.10" 0.11" 0.11" 0.11"	1/2" 1/2" 1/2" 1/2"	0.26" 0.28" 0.30" 0.32"	1/2" 1/2" 1/2" 1/2"	0.43" 0.48" 0.53" 0.57"	5/8" 5/8" 5/8" 5/8"	0.57" 0.65" 0.73" 0.80"	5/8" 5/8" 5/8" 5/8"	0.69" 0.79" 0.89" 0.98"	5/8" 5/8" 5/8" 5/8"	0.79" 0.91" 1.02" 1.14"	3/4" 3/4" 3/4" 3/4"	0.91" 1.01" 1.13" 1.26"	3/4" 3/4" 3/4" 3/4"	1.02" 1.13" 1.23" 1.37"	3/4" 3/4" 3/4" 3/4"	1.14" 1.26" 1.37" 1.46"	3/4" 3/4" 3/4" 7/8"	1.25" 1.38" 1.50" 1.60"	3/4" 3/4" 3/4" 7/8"	1.36" 1.51" 1.64" >1.57"	3/4" 3/4" 3/4" 7/8"	1.47" 1.64" >1.57" >1.57"	3/4" 3/4" 3/4" 7/8"	1.58" >1.57" >1.57" >1.57"	3/4" 3/4" 3/4" 7/8"	>1.57" >1.57" >1.57" >1.57"	3/4" 3/4" 3/4" 7/8"	>1.57" >1.57" >1.57" >1.57"	3/4" 3/4" 3/4" 7/8"	>1.57" >1.57" >1.57" >1.57"	3/4"	>1.57" >1.57" >1.57" >1.57"	-