

1-1/16" Insulating Unit Constructed with a 5/16" outboard and a 1/4" inboard, both plies heat strengthened (HS) glass																																						
			Height																																			
			24" 36"			18"		60"	1	72"		ŧ"	90	96" 108")8"	120"		132" 144		4"	156"		168"		180"		192" 204"			4"	216"		22	28"			
Wind Load			Jerlection	ightline	Deflection	ightline	Deflection	ightline	Deflection	ightline	Deflection	ightline	Deflection	ightline	Deflection	ightline	Deflection	ightline	Deflection	ightline	Deflection	ightline	Deflection	ightline	Deflection	ightline	Deflection	ightline	Deflection	ightline	Deflection	ightline	Deflection	ightline	beflection	ightline	Deflection	ightline
	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 48 60	5" <	<0.04" 0.04" 0.05" 0.05" 0.04" 0.05" 0.05" 0.05" 0.05"	3/4" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8	0.04 0.09" 0.13" 0.17" 0.22" 0.23" 0.25" 0.27"	3/4" 3/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8"	0.04 0.13" 0.25" 0.32" 0.42" 0.47" 0.55" 0.51" 0.59"	5/8" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4	0.03 0.17" 0.32" 0.46" 0.57" 0.69" 0.77" 0.88" 0.99"	5/8" 5/8" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	0.03 0.22" 0.42" 0.57" 0.71" 0.85" 0.99" 1.12" 1.24"	5/8" 3/4" 3/4" 7/8" 7/8" 7/8" 7/8" 7/8"	0.04 0.23" 0.47" 0.69" 0.85" 0.98" 1.14" 1.29" 1.45"	5/8" 3/4" 3/4" 7/8" 1" 1" 1" 1"	0.03 0.25" 0.55" 0.77" 0.99" 1.14" 1.26" 1.45" >1.57"	5/8" 5/8" 3/4" 3/4" 7/8" 1" 1" 1" 1"	0.27" 0.51" 0.88" 1.12" 1.29" 1.45" 1.55"	5/8" 3/4" 3/4" 7/8" 1" 1-1/8" 1-1/8"	0.27" 0.59" 0.99" 1.24" 1.45" >1.57" <i>FT req.</i>	5/8" 3/4" 3/4" 7/8" 1" 1"	0.00 0.27" 0.66" 1.05" 1.37" >1.57" <i>FT req.</i> <i>FT req.</i>	5/8" 3/4" 3/4" 7/8" 1" 1" 1-1/8"	0.08 0.27" 0.72" 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"	0.03 0.26" 0.62" 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"	0.28" 0.74" FT req. FT req. FT req. FT req. FT req.	5/8" 3/4" 3/4" 7/8" 1" 1" 1-1/8"	0.12 0.27" 0.73" FT req. 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"	0.31" 0.81" FT req. FT req. FT req. FT req.	5/8" 3/4" 3/4" 7/8" 1" 1" 1-1/8"	0.35" 0.81" FT req. FT req. FT req. FT req.	5/8" 3/4" 3/4" 7/8" 1" 1" 1-1/8"	0.39" 0.79" FT req. FT req. FT req. FT req.	5/8" 3/4" 3/4" 7/8" 1" 1"	0.19 0.44" 0.78" FT req. FT req. FT req. FT req. FT req. **	5/8" 5/8" 3/4" 3/4" 7/8" 1" 1" 1-1/8' 1-1/4'
	132		0.06"	5/8"	0.27"	5/8"	0.66"	3/4"	1.05"	3/4"	1.37"	7/8"	>1.57"	1"	FT req.	1"	FT req.	1-1/8"			FT req.		FT req.		FT req.		FT req.		FT req.					, 1-1/4"	**	, 1-1/4"	**	, 1-1/4'
50 psf	24 36 48 60	;" < ;" < ;" < ;" < ;" < ;" < ;" < ;" <	<0.04" <0.04" <0.04" <0.04" 0.04" 0.04" 0.04" 0.04" 0.04" 0.05" <0.04"	3/4" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8	 <0.04" 0.08" 0.11" 0.14" 0.18" 0.20" 0.23" 0.21" 0.23" <0.04" 	5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8"	 <0.04" 0.11" 0.22" 0.29" 0.36" 0.40" 0.48" 0.49" 0.56" <0.04" 	5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8"	 <0.04' 0.14" 0.29" 0.41" 0.51" 0.61" 0.67" 0.78" 0.88" 0.89" <0.04' 	5/8" 5/8" 5/8" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	0.04" 0.18" 0.36" 0.51" 0.64" 0.76" 0.89" 1.02" 1.13" 1.24" <0.04"	5/8" 5/8" 5/8" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	0.04" 0.18" 0.40" 0.61" 0.76" 0.89" 1.04" 1.18" 1.33" 1.47" <0.04"	5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 7/8" 7/8" 7/8" 7/8" 1/2"	0.04" 0.20" 0.48" 0.67" 0.89" 1.04" 1.16" 1.35" 1.49" >1.57" <0.04"	5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 7/8" 7/8" 7/8" 7/8" 7/8" 1/2"	0.04" 0.23" 0.48" 0.78" 1.02" 1.18" 1.35" 1.43" >1.57" >1.57" <0.04"	5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 1" 1" 1" 1" 1/2"	0.04" 0.21" 0.49" 0.88" 1.13" 1.33" 1.49" >1.57" >1.57" <i>FT req.</i> <0.04"	5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 1" 1" 1" 1" 1/2"	0.05" 0.23" 0.56" 0.89" 1.24" 1.47" >1.57" >1.57" <i>FT req.</i>	5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 1" 1" 1-1/8" 1/2"	0.06" 0.23" 0.62" 1.01" 1.36" >1.57" >1.57" FT req. FT req. FT req. 0.05"	5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 1" 1"	0.07" 0.20" 0.60" 1.02" 1.43" >1.57" FT req. FT req. FT req. FT req. FT req.	5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 1" 1"	0.09" 0.23" 0.60" FT req. FT req. FT req. FT req. FT req. FT req. FT req. FT req. FT req.	5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 1" 1"	0.10" 0.23" 0.67" FT req. FT req. FT req. FT req. FT req. FT req.	5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 1" 1" 1-1/8" 1/2"	0.11" 0.26" 0.69" FT req. FT req. FT req. FT req. FT req. FT req.	5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 1" 1" 1" 1-1/8" 1/2"	0.13" 0.29" 0.68" FT req. FT req. FT req. FT req. FT req. FT req.	5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 1" 1" 1" 1-1/8" 1/2"	0.15" 0.33" 0.63" FT req. FT req. FT req. FT req. FT req. FT req. FT req. 0.12"	5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 1"	0.16" 0.36" 0.71" FT req. FT req. FT req. FT req. FT req. FT req. FT req. FT req.	5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 1" 1" 1-1/8' 1/2"
40 psf	36 48 60 72 84 96 108 120 132	5" <	<0.04" <0.04" <0.04" <0.04" <0.04" <0.04" <0.04" <0.04"	5/8" 5/8" 5/8" 5/8" 1/2" 1/2" 1/2" 1/2" 1/2"	0.06" 0.09" 0.11" 0.15" 0.14" 0.16" 0.18" 0.16" 0.18"	5/8" 5/8" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2"	0.09" 0.18" 0.24" 0.31" 0.33" 0.41" 0.40" 0.40" 0.47"	5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8"	0.11" 0.24" 0.36" 0.44" 0.53" 0.58" 0.67" 0.77" 0.75"	1/2" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8	0.15" 0.31" 0.44" 0.57" 0.67" 0.78" 0.90" 0.99" 1.09"	1/2" 5/8" 5/8" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	0.14" 0.33" 0.53" 0.67" 0.79" 0.93" 1.06" 1.18" 1.31"	1/2" 5/8" 5/8" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	0.16" 0.41" 0.58" 0.78" 0.93" 1.04" 1.21" 1.34" 1.48"	1/2" 5/8" 5/8" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	0.18" 0.40" 0.67" 0.90" 1.06" 1.21" 1.30" <i>1.49"</i> >1.57"	1/2" 5/8" 5/8" 3/4" 3/4" 3/4" 7/8" 7/8" 7/8"	0.16" 0.40" 0.77" 0.99" 1.18" 1.34" 1.34" 1.56" >1.57"	1/2" 5/8" 5/8" 3/4" 3/4" 3/4" 7/8" 7/8" 7/8"	0.18" 0.47" 0.75" 1.09" 1.31" 1.48" >1.57" >1.57"	1/2" 5/8" 5/8" 3/4" 3/4" 3/4" 7/8" 7/8" 1"	0.18" 0.52" 0.86" 1.20" 1.43" >1.57" >1.57" >1.57" >1.57"	1/2" 5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 1"	0.16" 0.49" 0.86" 1.23" 1.56" >1.57" >1.57" >1.57" FT req.	1/2" 5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 1"	0.18" 0.48" 0.97" 1.25" >1.57" >1.57" >1.57" FT req. FT req.	1/2" 5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 1"	0.18" 0.55" 1.05" 1.42" >1.57" >1.57" FT req. FT req. FT req.	1/2" 5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 1"	0.21" 0.56" 0.96" FT req. FT req. FT req. FT req. FT req. FT req.	1/2" 5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 1"	0.23" 0.54" 1.13" FT req. FT req. FT req. FT req. FT req.	1/2" 5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 1"	0.26" 0.50" 1.21" <i>FT req.</i> <i>FT req.</i> <i>FT req.</i> <i>FT req.</i> <i>FT req.</i>	1/2" 5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 1"	0.29" 0.57" 1.25" <i>FT req.</i> <i>FT req.</i> <i>FT req.</i> <i>FT req.</i> <i>FT req.</i>	1/2" 5/8" 5/8" 5/8" 3/4" 3/4" 7/8" 7/8" 1"
30 psf	24 36 48 60 72 84 96 108 120 132	5" < 5" < 5" < 5" < 6" < 6" < 6" < 6" < 6" < 6" < 6" < 6	<0.04" <0.04" <0.04" <0.04" <0.04" <0.04" <0.04" <0.04" <0.04" <0.04"	3/4" 5/8" 5/8" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2"	<0.04" 0.05" 0.06" 0.08" 0.11" 0.11" 0.13" 0.14" 0.13" 0.14"	5/8" 5/8" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2	<0.04" 0.06" 0.14" 0.24" 0.27" 0.32" 0.32" 0.32" 0.37"	5/8" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2	<0.04' 0.08" 0.29" 0.36" 0.44" 0.48" 0.56" 0.63" 0.64"	' 1/2" 1/2" 5/8" 5/8" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2"	<0.04" 0.11" 0.24" 0.36" 0.48" 0.57" 0.66" 0.76" 0.81" 0.91"	1/2" 1/2" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8"	<0.04" 0.11" 0.27" 0.44" 0.57" 0.68" 0.79" 0.90" 1.02" 1.13"	1/2" 1/2" 1/2" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8"	<0.04" 0.13" 0.32" 0.48" 0.66" 0.79" 0.90" 1.04" 1.16" 1.28"	1/2" 1/2" 1/2" 5/8" 5/8" 3/4" 5/8" 5/8" 5/8"	<0.04" 0.14" 0.27" 0.56" 0.76" 0.90" 1.04" 1.13" 1.29" 1.41"	1/2" 1/2" 1/2" 5/8" 5/8" 5/8" 3/4" 3/4" 3/4"	<0.04" 0.13" 0.32" 0.63" 0.81" 1.02" 1.16" 1.29" 1.38" >1.57"	1/2" 1/2" 1/2" 5/8" 5/8" 5/8" 3/4" 3/4" 3/4"	<0.04" 0.14" 0.37" 0.64" 0.91" 1.13" 1.28" 1.41" >1.57" >1.57"	1/2" 1/2" 1/2" 5/8" 5/8" 5/8" 3/4" 3/4" 7/8"	<0.04" 0.14" 0.40" 0.65" 1.01" 1.22" 1.42" >1.57" >1.57" >1.57"	1/2" 1/2" 1/2" 5/8" 5/8" 5/8" 3/4" 3/4" 7/8"	0.04" 0.12" 0.31" 0.70" 1.06" 1.34" 1.54" >1.57" >1.57" >1.57"	1/2" 1/2" 1/2" 5/8" 5/8" 5/8" 3/4" 3/4" 7/8"	0.05" 0.14" 0.39" 0.79" 1.04" 1.45" >1.57" >1.57" >1.57" >1.57"	1/2" 1/2" 1/2" 5/8" 5/8" 5/8" 3/4" 3/4" 7/8"	0.06" 0.14" 0.84" 1.18" 1.46" >1.57" >1.57" >1.57" >1.57"	1/2" 1/2" 1/2" 5/8" 5/8" 5/8" 3/4" 3/4" 7/8"	0.07" 0.16" 0.43" 0.79" 1.23" >1.57" >1.57" >1.57" >1.57" >1.57"	1/2" 1/2" 1/2" 5/8" 5/8" 5/8" 3/4" 3/4" 7/8"	0.08" 0.18" 0.44" 0.75" 1.46" >1.57" >1.57" >1.57" >1.57" >1.57"	1/2" 1/2" 1/2" 5/8" 5/8" 5/8" 3/4" 3/4" 7/8"	0.09" 0.20" 0.40" 1.57" >1.57" >1.57" >1.57" >1.57" >1.57" <i>FT req.</i>	3/4" 3/4"	0.10" 0.22" 0.43" 0.98" 1.56" >1.57" >1.57" >1.57" <i>FT req.</i> <i>FT req.</i>	1/2" 1/2" 1/2" 5/8" 5/8" 5/8" 3/4" 3/4" 7/8"