

**Wind Pressure Calculations**

Height Factor	Wind Factor	Basic Wind Pressure	Importance Factor	Velocity Conversion Factor
1.0	1.0	1.0	1.0	1.0

Calculation of Kz  
 $Kz = 2.01 (h/33)^{0.5} = 0.981$

Elevation Coefficient

SECTION 1				SECTION 2				SECTION 3			
Wind Dir.	Wind Vel.	Wind Press.	Wind Dir.	Wind Vel.	Wind Press.	Wind Dir.	Wind Vel.	Wind Press.	Wind Dir.	Wind Vel.	Wind Press.
1.15	1.15	24.73	1.15	1.15	24.73	1.15	1.15	24.73	1.15	1.15	24.73

SIDE 1		SIDE 2		SIDE 3	
Wind Dir.	Wind Vel.	Wind Dir.	Wind Vel.	Wind Dir.	Wind Vel.
1.14	1.14	1.14	1.14	1.14	1.14

LEFT EDGE		RIGHT EDGE	
Wind Dir.	Wind Vel.	Wind Dir.	Wind Vel.
1.14	1.14	1.14	1.14

WIND DIR.		WIND VEL.		WIND PRESS.	
Wind Dir.	Wind Vel.	Wind Dir.	Wind Vel.	Wind Dir.	Wind Vel.
1.14	1.14	1.14	1.14	1.14	1.14

INTERPOLATE SIGN 1		INTERPOLATE SIGN 2		INTERPOLATE SIGN 3	
LW*	CD*	LW*	CD*	LW*	CD*
1.30	1.30	1.30	1.30	1.30	1.30

INTERPOLATE SIGN 1		INTERPOLATE SIGN 2		INTERPOLATE SIGN 3	
LW*	CD*	LW*	CD*	LW*	CD*
1.30	1.30	1.30	1.30	1.30	1.30

INTERPOLATE SIGN 1		INTERPOLATE SIGN 2		INTERPOLATE SIGN 3	
LW*	CD*	LW*	CD*	LW*	CD*
1.30	1.30	1.30	1.30	1.30	1.30

DRAG COEFFICIENT FOR VERTICAL POST		RIGID VERTICAL POST	
Wind Dir.	Wind Vel.	Wind Dir.	Wind Vel.
1.14	1.14	1.14	1.14