P=q((GCp)-(Gcpi))

qz=47.3x10^-6*KzKztKd*V^2Iw

θ=	35
rise=	13.61
span=	78
he=	13.5
MRH=	20.305
L=	78
B=	67.12
Exposure=	2
Importance Factor=	4
Zone=	2
Enclosure Classification=	3

Note:

For Exposure:

B=1

C=2

D=3

For Enclosure Classification:

Open Bldg=1

Partially Enclosed Bldg=2

Enclosed Bldg=3

input data

interpolation

note

Kz=	1.13	18
	1.160733	
	1.17	21
Kzt=	1	
Kd	0.85	
V=	200	
Iw=	1	
GCpi=	0.18	(+/-)
Ratio=	0.174487	
qz=	1.866691	

Roof	Windward	Center	Leeward
Cp=	-0.9	-0.874487	-0.5
Wall	Windward	Leeward	Side
Cp=	0.8	-0.46758	-0.7

*Based from NSCP results are for both MWFRS/CC

*This Calculator is only applicable to elevated arched roof

Parallel to Ridge:

Roof	windward		Center		Leeward	
	+	-	+	-	+	-
p=	-1.764023	-1.092014	-1.723542	-1.051534	-1.129348	-0.457339
Wall	windward		Leeward		Side	
	+	-	+	-	+	-
p=	-0.336004	1.605355	-1.077909	-0.4059	-1.446686	-0.774677

Normal to Ridge:

Roof	0 to h/2	h/2 to h	h to 2h	>2h
Cp=	-0.9	-0.9	-0.5	-0.3
Wall	Windward	Leeward	Side	
Cp=	0.8	-0.5	-0.7	

Roof	0 to h/2		h/2 to h		h to 2h		>2h	
	+	-	+	-	+	-	+	-
p=	-1.764023	-1.092014	-1.723542	-1.051534	-1.129348	-0.457339		
Wall	windward		Leeward		Side			
	+	-	+	-	+	-		
p=	-0.336004	1.605355	-1.077909	-0.4059	-1.446686	-0.774677		

Height above Ground level, z (m)	Exposure (Note 1)			
	B		C	D
	Case 1	Case 2	Case 3	Case 4
4.5	0.7	0.57	0.85	1.03
6	0.7	0.62	0.9	1.08
7.5	0.7	0.66	0.94	1.12
9	0.7	0.7	0.98	1.16
12	0.76	0.76	1.04	1.22
15	0.81	0.81	1.09	1.27
18	0.85	0.85	1.13	1.31
21	0.89	0.89	1.17	1.34
24	0.93	0.93	1.21	1.38
27	0.96	0.96	1.24	1.4
30	0.99	0.99	1.26	1.43
36	1.04	1.04	1.31	1.48
42	1.09	1.09	1.36	1.52
48	1.13	1.13	1.39	1.55
54	1.17	1.17	1.43	1.58
60	1.2	1.2	1.46	1.61
75	1.28	1.28	1.53	1.68
90	1.35	1.35	1.59	1.73
105	1.41	1.41	1.64	1.78
120	1.47	1.47	1.69	1.82
135	1.52	1.52	1.73	1.86
150	1.56	1.56	1.77	1.89