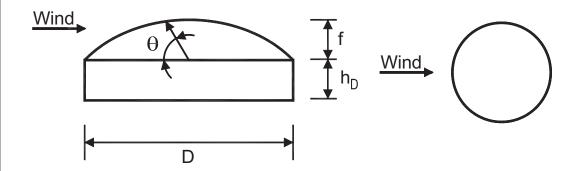
Components and Cladding		All Heights	
Figure 30.4-7	External Pressure Coefficients, GCp	Dd Df-	
Enclosed, Partially Enclosed Buildings and Structures		Domed Roofs	



External Pressure Coefficients for Domes with a Circular Base				
	Negative Pressures	Positive Pressures	Positive Pressures	
θ, degrees	0 – 90	0 - 60	61 – 90	
GC_p	-0.9	+0.9	+0.5	

Notes:

- 1. Values denote GC_p to be used with $q_{(h^{\scriptscriptstyle D}+f)}$ where h_D+f is the height at the top of the dome.
- 2. Plus and minus signs signify pressures acting toward and away from the surfaces, respectively.
- 3. Each component shall be designed for the maximum positive and negative pressures.
- 4. Values apply to $0 \le h_D/D \le 0.5$, $0.2 \le f/D \le 0.5$.
- 5. $\theta = 0$ degrees on dome springline, $\theta = 90$ degrees at dome center top point. f is measured from springline to top.