

Components and Cladding

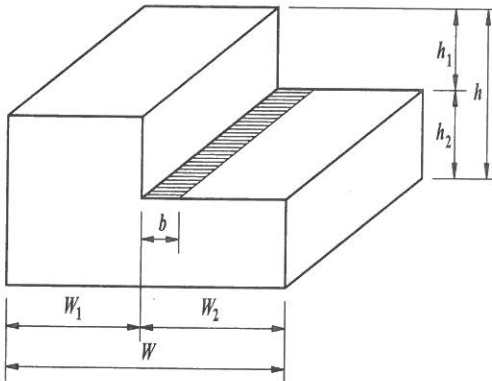
$h \leq 60$ ft.

Figure 30.4-3

External Pressure Coefficients, GC_p

Enclosed, Partially Enclosed Buildings

Stepped Roofs



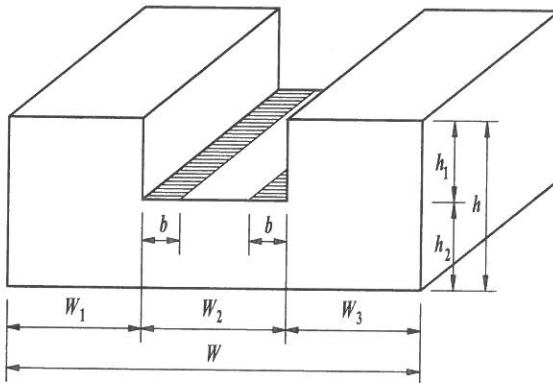
$$h_1 \geq 10 \text{ ft. (3 m)}$$

$$b = 1.5 h_1$$

$$b < 100 \text{ ft. (30.5 m)}$$

$$\frac{h_i}{h} = 0.3 \text{ to } 0.7$$

$$\frac{W_i}{W} = 0.25 \text{ to } 0.75$$



Notes:

- On the lower level of flat, stepped roofs shown in Fig. 30.4-3, the zone designations and pressure coefficients shown in Fig. 30.4-2A shall apply, except that at the roof-upper wall intersection(s), Zone 3 shall be treated as Zone 2 and Zone 2 shall be treated as Zone 1. Positive values of GC_p equal to those for walls in Fig. 30.4-1 shall apply on the cross-hatched areas shown in Fig. 30.4-3.
- Notation:
 - b : $1.5h_1$ in Fig. 30.4-3, but not greater than 100 ft (30.5 m).
 - h : Mean roof height, in feet (meters).
 - h_i : h_1 or h_2 in Fig. 30.4-3; $h = h_1 + h_2$; $h_1 \geq 10$ ft (3.1 m); $h_i/h = 0.3$ to 0.7.
 - W : Building width in Fig. 30.4-3.
 - W_i : W_1 or W_2 or W_3 in Fig. 30.4-3. $W = W_1 + W_2$ or $W_1 + W_2 + W_3$; $W_i/W = 0.25$ to 0.75.
 - θ : Angle of plane of roof from horizontal, in degrees.