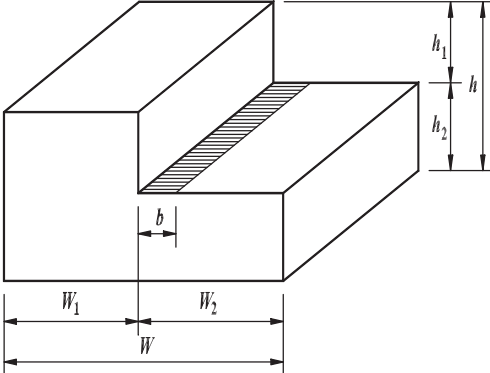
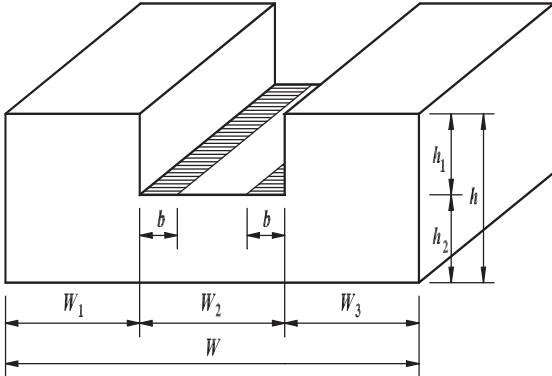


Components and Cladding		$h \leq 60 \text{ ft.}$
Figure 30.4-3	External Pressure Coefficients, $GC_p$	Stepped Roofs
Enclosed, Partially Enclosed Buildings		



$h_1 \geq 10 \text{ ft. (3 m)}$  $b = 1.5 h_1$  $b < 100 \text{ ft. (30.5 m)}$  $\frac{h_i}{h} = 0.3 \text{ to } 0.7$  $\frac{W_i}{W} = 0.25 \text{ to } 0.75$



**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;  $h = h_1 + h_2$ ;  $h_1 \geq 10 \text{ ft (3.1 m)}$ ;  $h_i/h = 0.3$  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.
  - $\theta$ : Angle of plane of roof from horizontal, in degrees.