

## Terrain Exposure Constants

Table 26.9-1

Exposure	$\alpha$	$z_g$ (ft)	$\hat{a}$	$\hat{b}$	$\bar{\alpha}$	$\bar{b}$	$c$	$\ell$ (ft)	$\bar{z}$	$z_{min}$ (ft)*
<b>B</b>	7.0	1200	1/7	0.84	1/4.0	0.45	0.30	320	1/3.0	30
<b>C</b>	9.5	900	1/9.5	1.00	1/6.5	0.65	0.20	500	1/5.0	15
<b>D</b>	11.5	700	1/11.5	1.07	1/9.0	0.80	0.15	650	1/8.0	7

\* $z_{min}$  = minimum height used to ensure that the equivalent height  $\bar{z}$  is greater of  $0.6h$  or  $z_{min}$ .  
 For buildings with  $h \leq z_{min}$ ,  $\bar{z}$  shall be taken as  $z_{min}$ .

*In metric*

Exposure	$\alpha$	$z_g$ (m)	$\hat{a}$	$\hat{b}$	$\bar{\alpha}$	$\bar{b}$	$c$	$\ell$ (m)	$\bar{z}$	$z_{min}$ (m)*
<b>B</b>	7.0	365.76	1/7	0.84	1/4.0	0.45	0.30	97.54	1/3.0	9.14
<b>C</b>	9.5	274.32	1/9.5	1.00	1/6.5	0.65	0.20	152.4	1/5.0	4.57
<b>D</b>	11.5	213.36	1/11.5	1.07	1/9.0	0.80	0.15	198.12	1/8.0	2.13

\* $z_{min}$  = minimum height used to ensure that the equivalent height  $\bar{z}$  is greater of  $0.6h$  or  $z_{min}$ .  
 For buildings with  $h \leq z_{min}$ ,  $\bar{z}$  shall be taken as  $z_{min}$ .