

9.8.8.6. Design of Guards to Not Facilitate Climbing

Except for guards in industrial occupancies, guards required by Article 9.8.8.1., that protect a level located more than 4.2 m above the adjacent level shall be designed so that no member, attachment or opening located between 140 mm and 900 mm above the level protected by the guard facilitates climbing.

(See Note A-9.8.8.6(1).)

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Volume 2, Division B

A-9.8.8.6.(1)

CONFIGURATION OF MEMBERS, ATTACHMENTS OR OPENINGS IN GUARDS SO AS TO NOT FACILITATE CLIMBING.

Some configurations of members, attachments or openings may be part of a guard design and still comply with Sentence 9.8.8.6.(1). Figures A-9.8.8.6.(1)-A to A-9.8.8.6.(1)-D present a few examples of designs that are considered to not facilitate climbing.

Protrusions that are greater than 450mm apart horizontally and vertically are considered sufficiently far apart to reduce the likelihood that young children will be able to get a handhold or toehold on the protrusions and climb the guard.

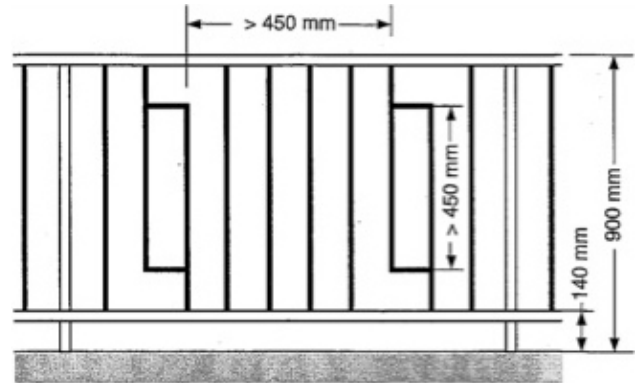


Figure A-9.8.8.6.(1)-A
Example of minimum horizontal and vertical clearances between protrusions in guards

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Protrusions that present a horizontal offset of 15 mm or less are considered to not provide a sufficient foot purchase to facilitate climbing.

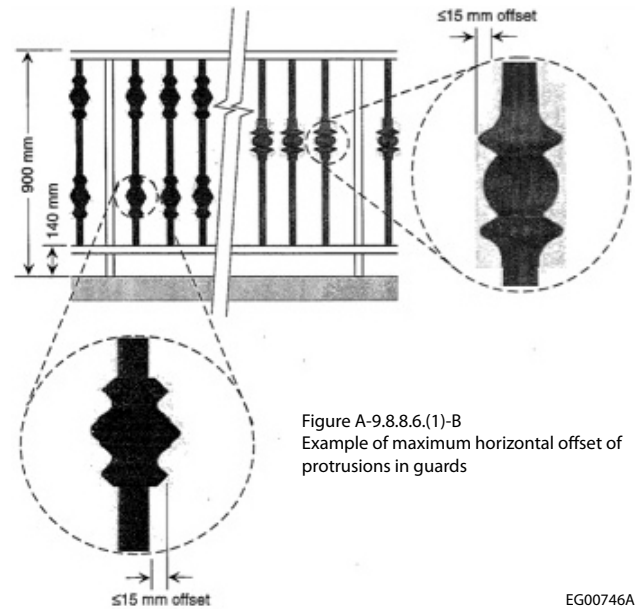
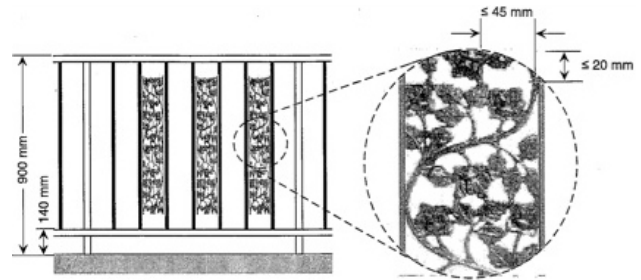


Figure A-9.8.8.6.(1)-B
Example of maximum horizontal offset of protrusions in guards

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A-9.8.8.6.(1)

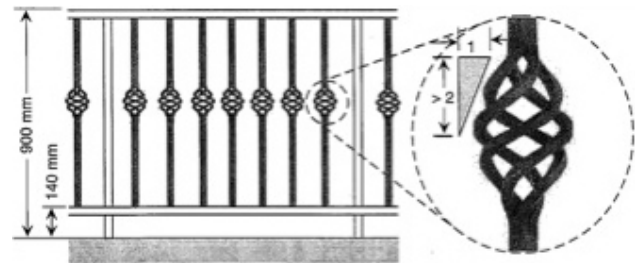
A guard incorporating spaces that are not more than 45mm wide by 20mm high is considered to not facilitate climbing because the spaces are too small to provide a foothold.



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Figure A-9.8.8.6.(1)-C
Example of a guard with spaces created by the protruding elements that are not more than 45 mm wide and 20 mm high

Protrusions that present more than a 2-in-1 slope on the offset are considered to not facilitate climbing because such a slope is considered too steep to provide adequate footing.



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Figure A-9.8.8.6.(1)-D
Example of guard protrusions with a slope greater than 2 in 1