

**INTERNATIONAL CODE COUNCIL (ICC)
Code Technology Committee (CTC)**

**INTERIM REPORT NO. 2 OF THE CTC
AREA OF STUDY – CLIMBABLE GUARDS**

**October 19, 2006
Hilton Kansas City Airport**

The CTC held a public hearing to receive written and verbal comments regarding CTC recommendations for the ICC Board - approved area of study entitled Climbable Guards. This report includes interim recommendations No. 2 for this area of study, approved by the CTC upon conclusion of the public hearing on October 19, 2006. It should be noted that as an interim report this does not complete this area of study. Other aspects of this area of study are still under investigation. The recommendations contained in this report will be forwarded to the ICC Chief Executive Officer in accordance with ICC Council Policy No. 5.

Scope: As noted in the CTC approved Scope & Objectives Statement, the scope of this activity is:

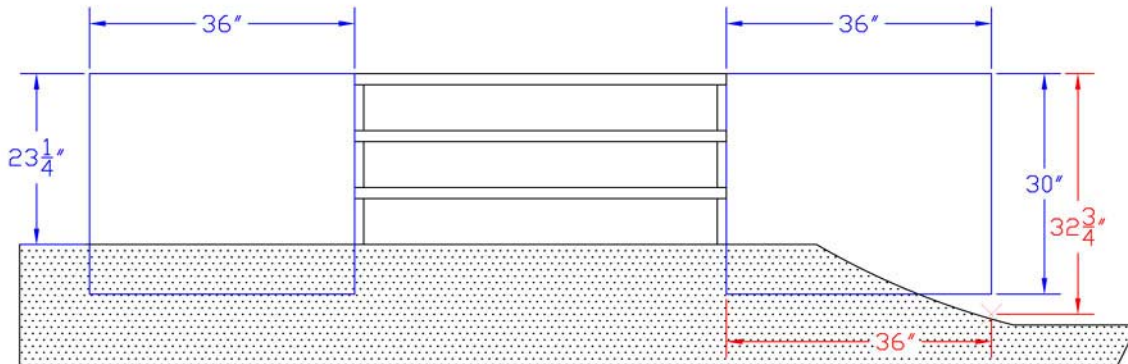
The study of climbable guards will focus on determining the need for appropriate measures to prevent or inhibit an individual from utilizing the elements of a guard system, including rails, balusters and ornamental patterns, to climb the guard, thereby subjecting that person to the falling hazard which the guard system is intended to prevent.

Recommendation: The CTC Interim Recommendation Number 2 is to submit a public comment to code change E96-06/07. This public comment will incorporate revised wording from code change E97-06/07 in order to address the measurement from the walking surface to the edge of the open side to determine if a guard is required (see figure on page 2).

Considerations:

- The code does not stipulate how to measure of the 30 inch height guard threshold where the adjacent grade is sloping.

The following is an illustration of the measurement. The view is taken from the landing of a 3 riser stair, looking towards the face of the risers.



Submit a public comment, revising the text of E96-06/07 to read as follows:

Part I - IBC

1013.1 Where required. Guards shall be located along open-sided walking surfaces, including mezzanines, industrial equipment platforms, stairways, stairs, ramps and landings, that are located more than 30 inches measured vertically to the floor or grade below at any point within 36" horizontally to the edge of the open side above the floor or grade below. Guards shall be adequate in strength and attachment in accordance with Section 1607.7. ~~Where glass is used to provide a guard or as a portion of the guard system, the guard shall also comply with Section 2407.~~ Guards shall also be located along glazed sides of stairways, ramps and landings that are located more than 30 inches (762 mm) above the floor or grade below where the glazing provided does not meet the strength and attachment requirements in Section 1607.7.

[Remainder of proposal unchanged]

Part II - IRC

R312.1 Where Guards required. ~~Porches, balconies, ramps or raised walking floor surfaces located more than 30 inches above the floor or grade below shall have guards not less than 36 inches in height. Open sides of stairs with a total rise of more than 30 inches above the floor or grade below shall have guards not less than 34 inches in height measured vertically from the nosing of the treads.~~ Guards shall be located along open-sided walking surfaces, including porches, decks, balconies, mezzanines, stairs, ramps and landings, which are located more than 30 inches measured vertically to the floor or grade below at any point within 36" horizontally to the edge of the open side. Insect screening shall not be considered as a guard.

~~Porches and decks which are enclosed with insect screening shall be equipped with guards where the walking surface is located more than 30 inches above the floor or grade below.~~

[Remainder of proposal unchanged]