STAIRS AND LANDINGS (2013 CBC)

2013 CBC SECTION 1009—STAIRWAYS

HAND RAILS NEED EXTEND ONLY FROM THE TOP RISER TO THE BOTTOM RISER

CEILING

7'-6" Min.

6'-8" Min.

HAN DRAIL

6'-8" Min.

4" min. rise
7-3/4" max rise

10" Min

34'-8" - 38'

6'-8" Min.

7'-6" Min.

IN GROUP R-3 OCCUPANCY, AND WITHIN DWELLING UNITS IN GROUP R-2 OCCUPANCY

STAIRWAY HEADROOM REQUIREMENTS (SEC. 1009.5)

12' Maximum

DISTANCE BETWEEN LANDINGS (SEC. 1009.10)

12' Maximum
STAIRWAY WIDTH: (Sec. 1009.4)
- 36” min if serving an occupant load of less than 50.
- 44” min. if serving an occupant load of 50 or more.

THE LARGEST TREAD WIDTH OF RISER HEIGHT WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8 INCH (SEC. 1009.4 & 1009.7.3)

LIMITATION: APPLIED TO R-3 OCCUPANCY & PRIVATE STAIRWAYS IN R-2 OCCUPANCY (SEC. 1009.4 & 1009.7.3)

LIMITATION: USE WITHIN DWELLING UNITS OR FROM SPACE NOT MORE THAN 250 SQ. FT. IN AREA & SERVING NOT MORE THAN 5 OCCUPANTS OR FROM TECHNICAL PRODUCTION AREAS IN ACCORDANCE WITH SEC. 410.6
2013 CBC SECTION 1012 — ACCEPTABLE HANDRAILS FOR SINGLE FAMILY R-3 AND INDIVIDUAL UNIT OF R-2

Figure 1012.3.1
EXAMPLE OF TYPE I ALTERNATIVE HANDRAIL CONFIGURATION

A) PERIMETER

FINGER RECESS AREA BOTH SIDES

PERIMETER GREATER THAN 6-1/4"

B) FINGER RECESS

WIDTH ABOVE RECESS

TALLEST PORTION

ACHIEVE 5/16" DEPTH

CONTINUED FOR AT LEAST 3/8"

MINIMUM 1/4" MAXIMUM 2-1/4"

TO A LEVEL NOT LESS THAN 1-1/4"

C) FINGER RECESS

WITHIN 3/8"

FINGER RECESS BEGINS

WITHIN 3/8"

OF WIDEST PORTION

ACHIEVE 5/16" DEPTH

D) WIDTH

EDGE MINIMUM RADIUS 0.01"

Figure 1012.3.2
EXAMPLES OF TYPE II HANDRAIL CONFIGURATIONS
ACCESSIBLE REQUIREMENTS FOR STAIR HANDRAIL
SEC. 1115A AND 11B-505

FIGURE 11B-505.7.2
HANDRAIL NON-CIRCULAR CROSS SECTION
2013 CBC—RISERS ADJOINING A SLOPING PUBLIC WAY

RISERS ADJOINS A SLOPING PUBLIC WAY,
WALKWAY OR DRIVEWAY (SEC. 1009.7.4)
2013 CBC—STAIRWAY AND DOOR LANDINGS

X SHALL BE EQUAL TO OR GREATER THAN BOTH Y AND Z

STAIRWAY LANDINGS
(SEC. 1009.8)

R-3, U, and within Individual Dwelling Units of R-2

All Other Occupancies

LANDING AT DOORS
(Sec 1008.1.6)
1. Exceptions regarding landings and floor level at doors are applicable in group R-3 and within individual units of group R-2.

2. A landing is not required where a stairway of two or fewer risers is located on the exterior side of the door, provided the door does not swing over the stairway per 2013 CRC, exception to R311.3.2.
2013 CBC—FLOOR LEVEL AT DOORS & THRESHOLD HEIGHT

FLOOR LEVEL AT DOORS
(Sec 1008.1.5)

Applies to all occupant loads

THRESHOLD HEIGHT
WHEN ACCESS FOR PERSONS WITH DISABILITIES IS REQUIRED

1/2' MAXIMUM

ACCESSIBLE THRESHOLD

3/4" max. for Sliding Door
1/2" max. for Other Doors

NON ACCESSIBLE THRESHOLD
(Sec 1008.1.7)