



# DeKalb County Building Department

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## Residential Stair Geometry amended from 2000 IRC

Minimum Stairway Width: 36 inches

Maximum Rise: 8-1/4 inches

Minimum Rise: 4 inches

Minimum Run: 9 inches

Maximum Variance: 3/8 inch

Nosing: 3/4 to 1-1/4 inches ( not required on treads 11 inches or more )

Minimum Headroom: 6 feet 8 inches

Minimum Platform Size: 36x36 inches ( required at least every 10 feet of rise)

Minimum Guardrail Height: 36 inches ( finished surface to top of rail )

Openings: less than 4 inches

Handrail: Height 30 to 38 inches ( required on stairs with 2 or more risers )

Grip Size: 1 1/4" to 2 5/8" circular cross section or equivalent

Returns to Wall: Required

## Commercial Stair Geometry taken from 1999 BOCA Building Code

Minimum Stairway Width: 36 inches

Egress Stairs: 44 inches

Maximum Rise: 7 inches

Minimum Rise: 4 inches

Minimum Run: 11 inches

Maximum Variance: 3/8 inch

Nosing: 1-1/4 inches Maximum

Minimum Headroom: 6 feet 8 inches

Minimum Platform Size: 36 inches Egress Platform: 48 inches ( required every 12 feet of rise )

Minimum Guardrail Height: 42 inches

Openings: less than 4 inches

Handrail: Height 34 to 38 inches ( required on stairs with 3 or more risers )

Grip Size: 1-1/4 to 2 inches

Handrail Extensions: 12 inches beyond top and bottom treads

NOTE: Not required on platforms if handrails are continuous.

**Circular, Spiral and Alternating Tread Stairways Are Not Included**