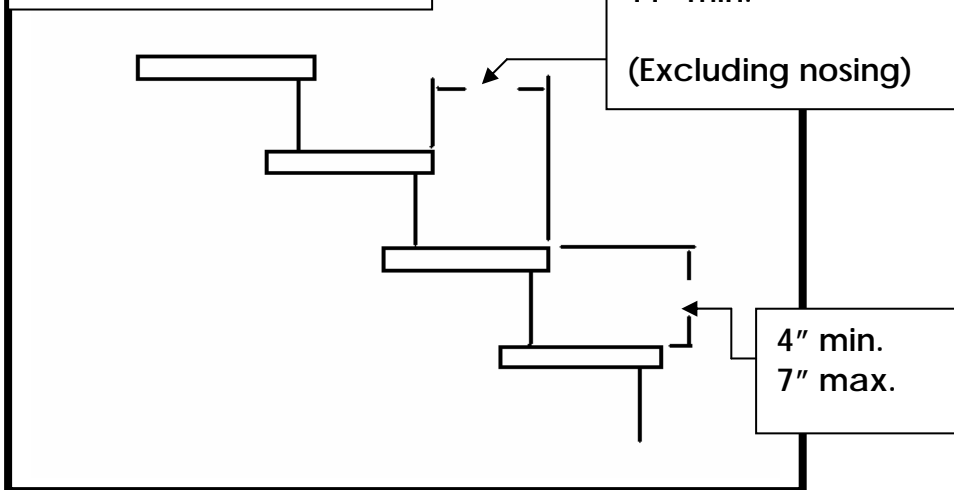




Rev. 10-5-06

# Knox County Fire Prevention Bureau Egress Stairs-Constructed in Accordance with the Life Safety Code Section 5-2

## Stair Dimensional Criteria

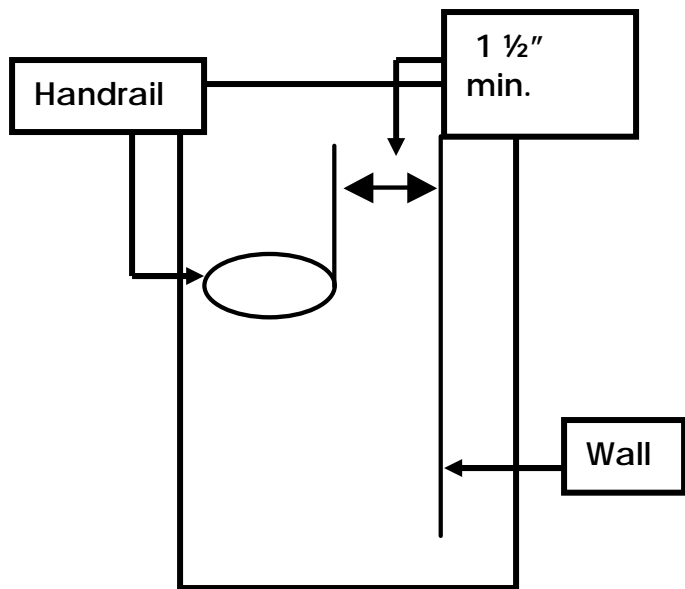


### LSC 5-2.2.3.6 Dimensional Uniformity

There shall be no variation more than 3/16" in depth of adjacent treads or in height of adjacent risers, and the tolerance between the largest and smallest riser or between the largest and smallest tread shall not be more than 3/8" in any flight.

### LSC 5-1.5 Headroom

Headroom on stairs shall be a minimum of 6'8", and shall be measured vertically above a plane parallel to and tangent with the most forward projection of the stair tread.

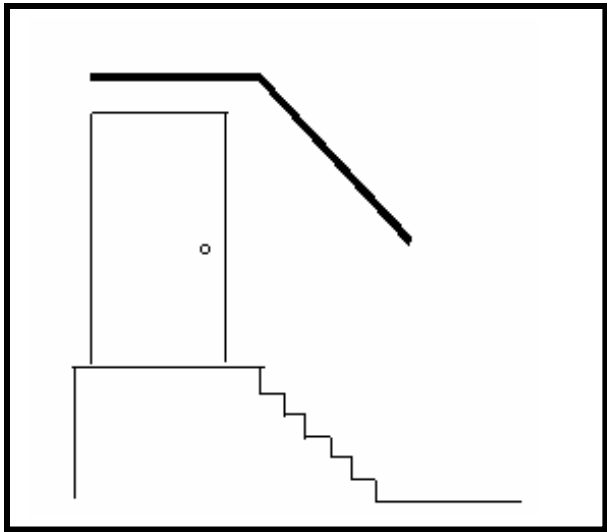


**LSC 5-2.2.4.2** New stairs and ramps require handrails on both sides and within 30" of all portions of the required egress width of stairs. (See Exceptions)

**LSC 5-2.2.4.5(a)** Handrails on stairs shall be at least 34" and not more than 38" above the surface of the tread, measured vertically to the top of the rail from the leading edge of the tread. (See Exceptions)

**(b)** New handrails shall provide a clearance of at least 1 1/2" between the handrail and the wall to which they are attached.

**(c)** Handrails shall have a circular cross section with a outside diameter of at least 1 1/4" and not more than 2". New handrails shall be continuously graspable along the entire length. (See Exceptions)



**LSC 5-5.3.9** Where accumulation of snow or ice is likely because of the climate, the exterior exit access shall be protected by a roof.

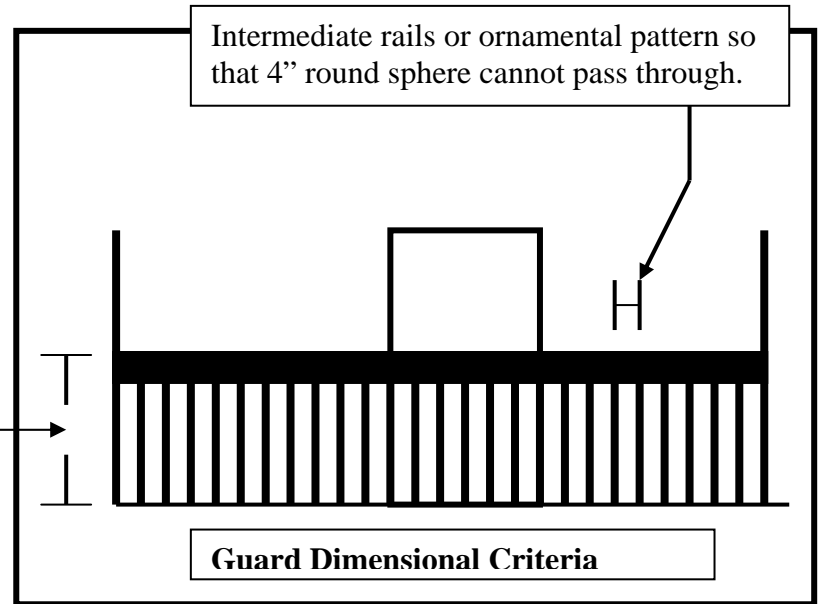
**LSC 5-2.2.4.1** Means of egress that are more than 30" above Floor or grade below shall be provided with guards to prevent falls over the open side.

**LSC 5-2.2.4.6 (a)** The height of guards shall be measured vertically to the top of the guard from the surface adjacent thereto.

**(b)** Guards shall be at least 42" height. (See Exceptions)

**(c)** Open guards shall have intermediate rails or an ornamental pattern such that a sphere 4" in diameter shall not pass through any opening up to a height of 34". (See Exceptions)

**Min. Height  
42"**



This handout is intended as a guide. It is by no means all-inclusive or has all code related section listed. If you have questions regarding this information please contact the Knox Co. Fire Prevention Bureau at 215-4660