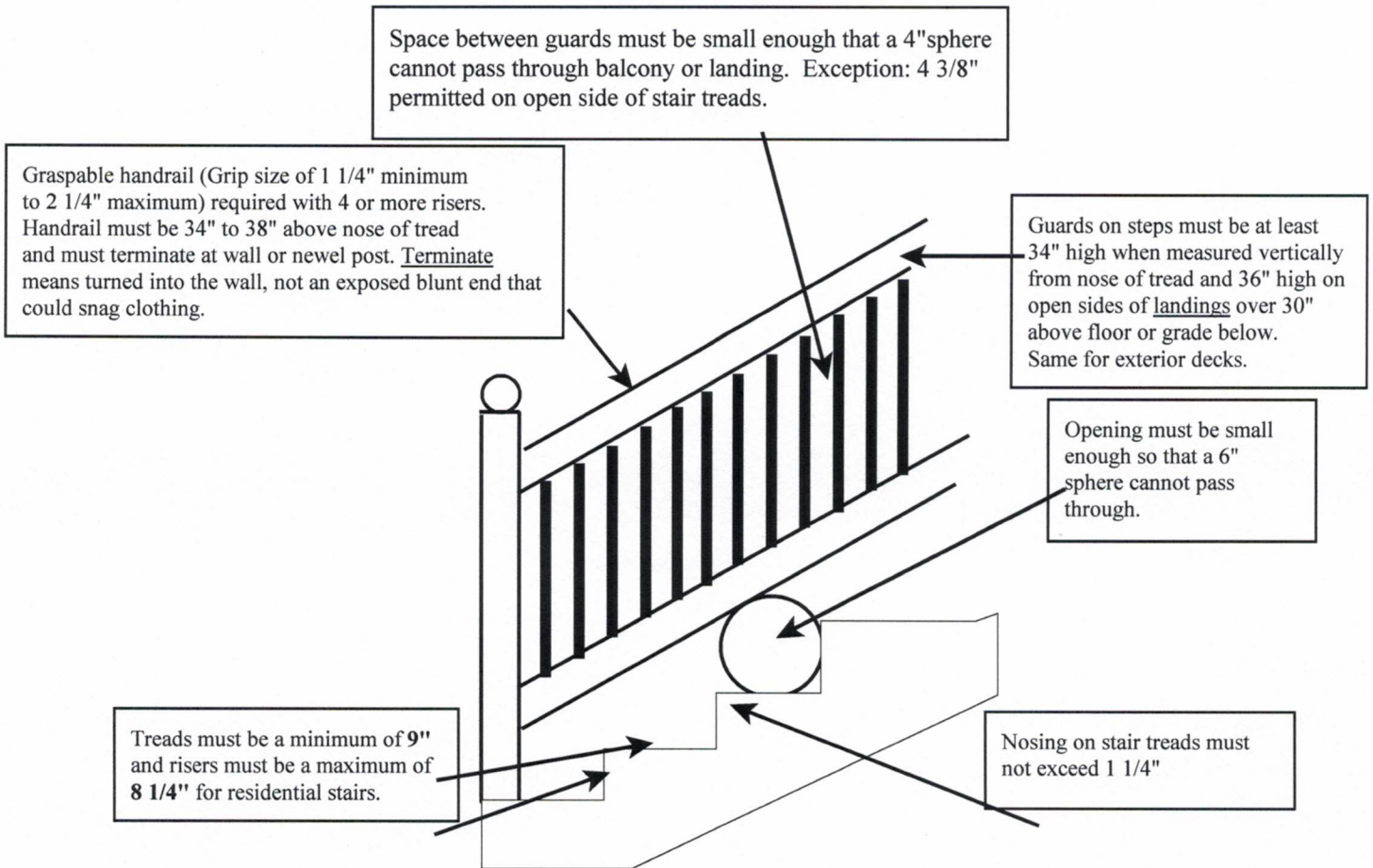


STAIR DETAILS
HOUGHTON COUNTY BUILDING DEPARTMENT
2015 RESIDENTIAL BUILDING CODE
 Sections R311.7



1. Must determine floor covering (final) elevation to achieve accurate stair riser uniformity. The code, for safety (liability) reasons, allows only 3/8 of an inch difference in any tread or riser in the whole run. The maximum height of a step is 8 1/4 inches, no more. The minimum depth is 9 inches.
2. Railing/guard height is 36 inches, no less. Spacing between guard spindles no more than 4 inches. Open sides of steps need railing guard system with a minimum height of 34 inches and spindles spaced a maximum of 4 3/8".
3. Handrails are required on one side of all stairs with four or more risers. Minimum height of 34 inches and a maximum height of 38 inches.
4. Minimum headroom for any stairwell is 6 feet, 8 inches. This is measured vertically from sloped line adjoining the tread nosings.
5. Minimum width of any stairwell is 36 inches (to finished surfaces).
6. Minimum landing is 36" in depth.
7. All stairways require illumination.
8. **STRENGTH:** Must be able to sustain a single concentrated load of 200 pounds in any direction along the top of guard or handrail. Also, guard fill-in components (such as spindles) must withstand a 50 pound load on an area of one square foot.