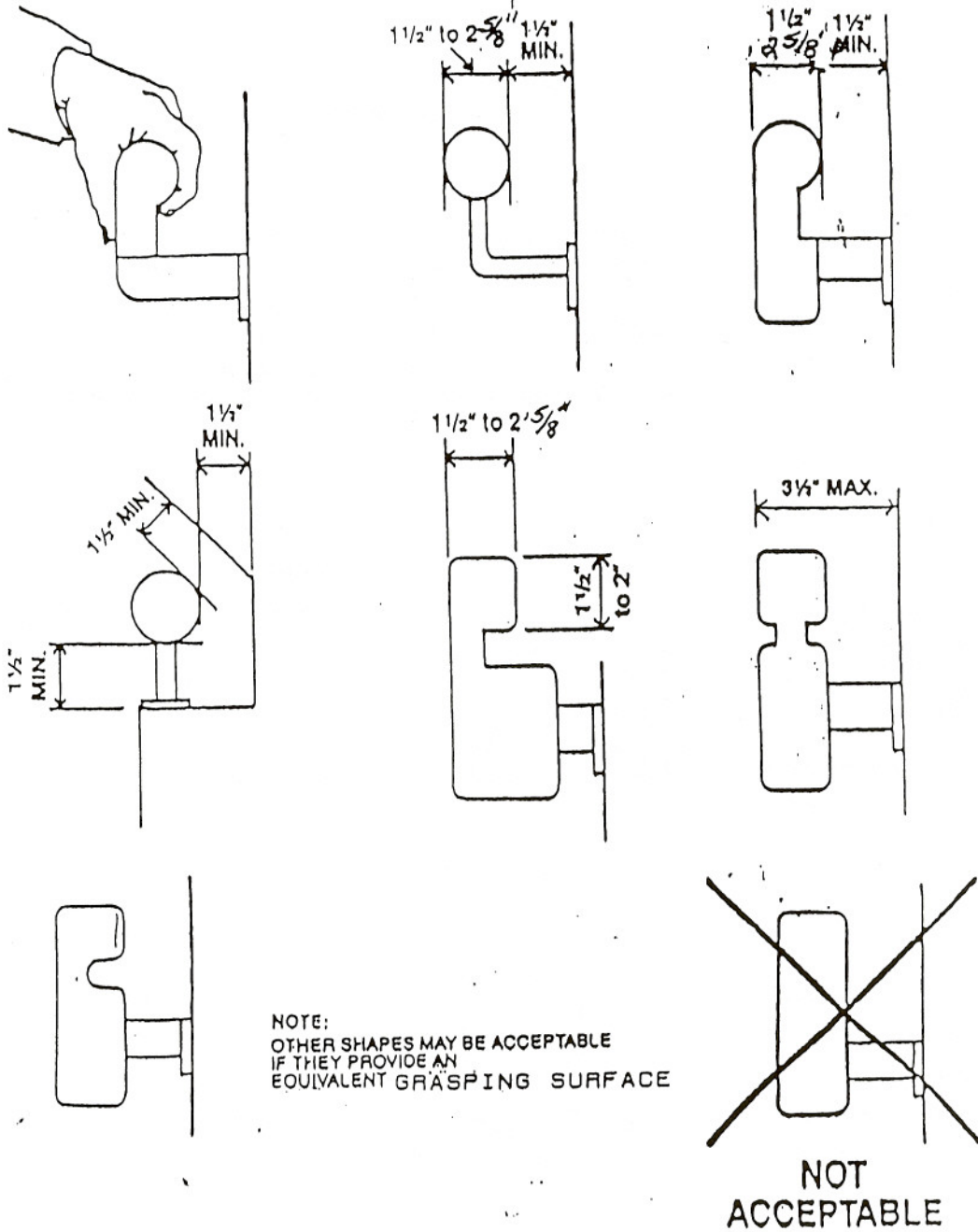


Examples of Handrails
M.R.C. 2003

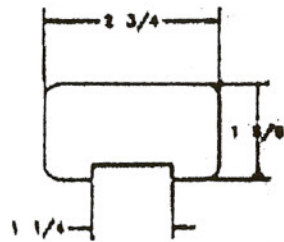
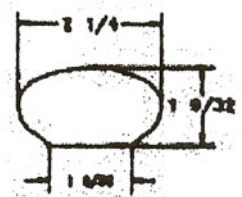
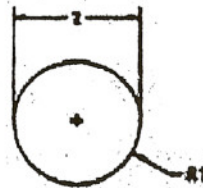
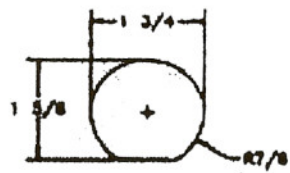
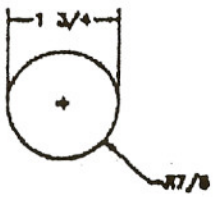
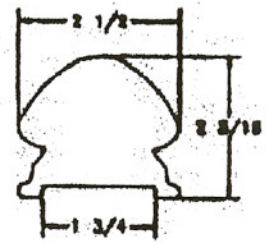
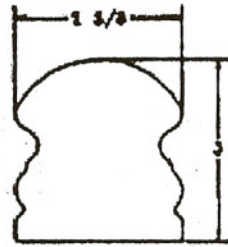
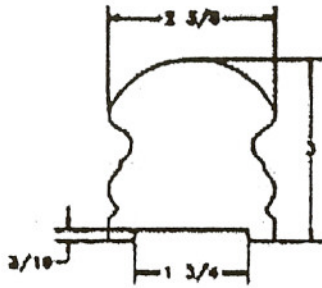
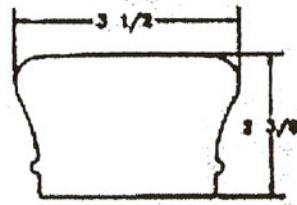
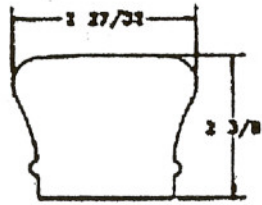
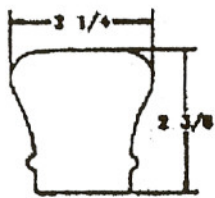


Note: Minimum Height 34" - Maximum Height 38"

See section R311 for complete code language and exceptions

See attachment A for other approved graspability designs

Attachment A



Graphics
Stairs (residential) Treads and Risers
MRC 2003

9" Minimum tread measured from nose profile - section R311.53
State Law

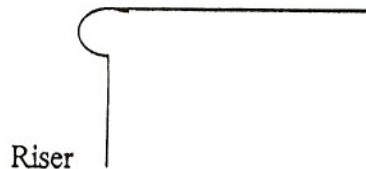
Maximum riser height 8 1/4" →
Neither should not vary more than 3/8" from the smallest - section R311.53 State Law

Maximum slope of treads and landings is 1:48 = 1/4" : 12"

Note:

Tread nosing profile ----->

Tread/Landing



Section R311.53 Maximum curvature 9/16"

Minimum profile 3/4"

Maximum profile 1 1/4"

Not to vary more than 3/8" - including the nosing on the landing.

Maximum beveling of the nose is 1/2"

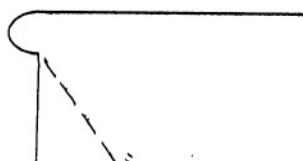
* no nosing required when tread depth is 11" or greater

Note:

Riser maximum slope from vertical 30°

Tread

Profile ----->



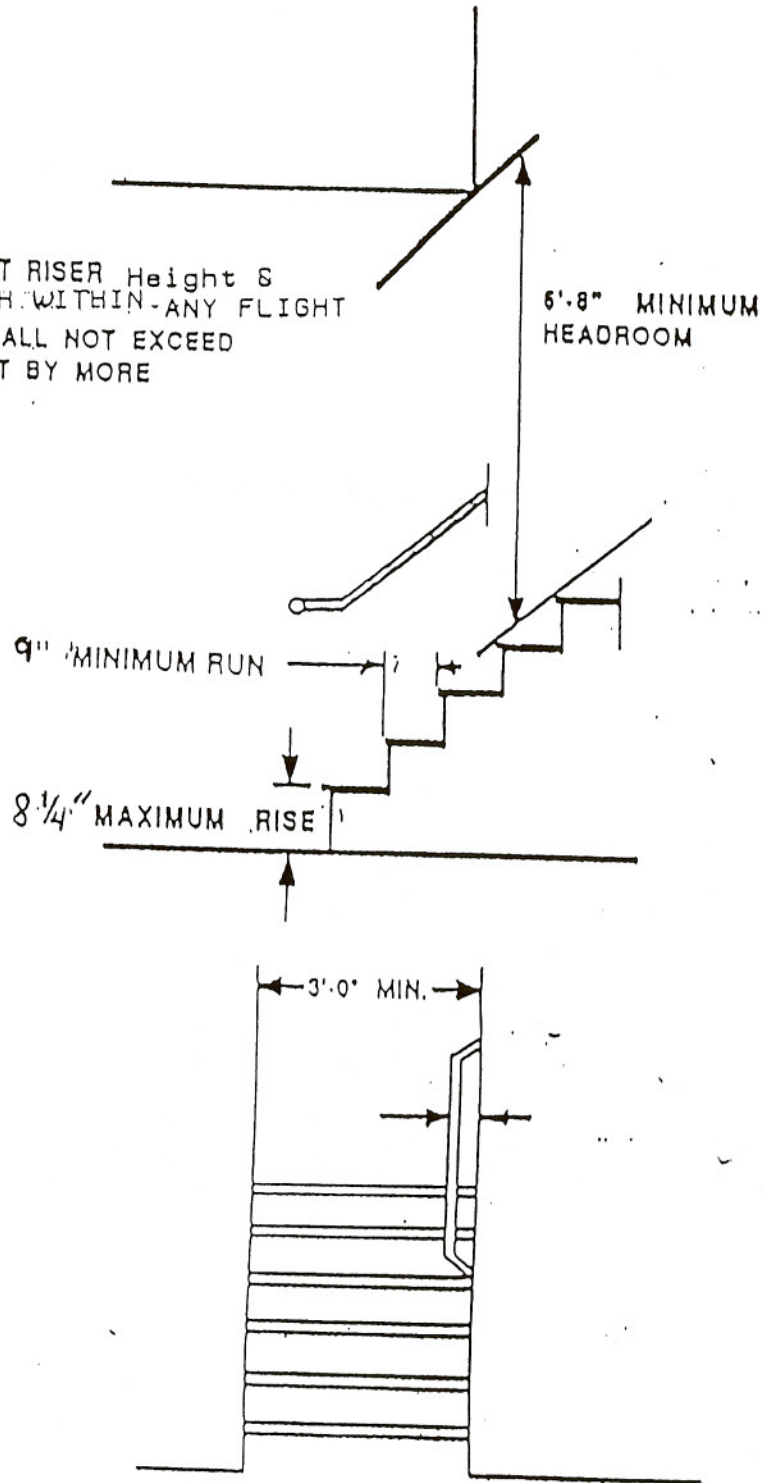
Riser ----->

Maximum slope 30°

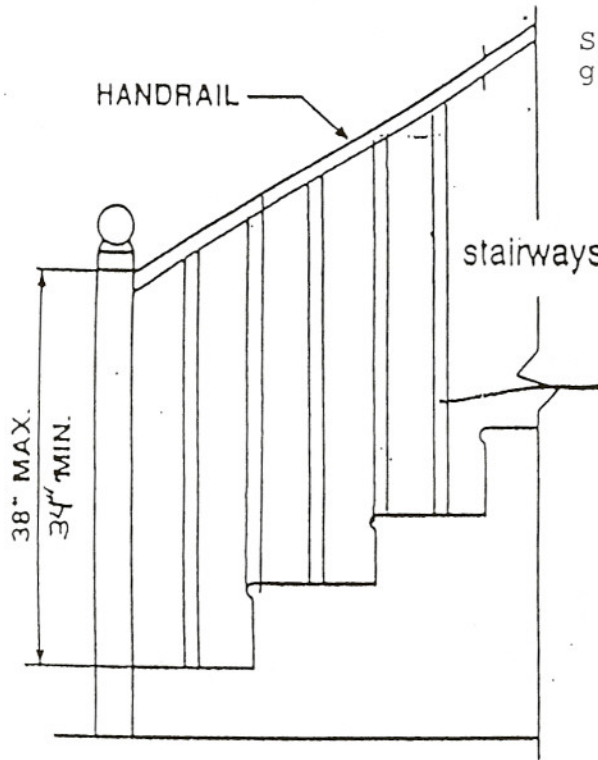
Open risers are permitted, if over 30" from floor or grade below - maximum of 4" opening

3'-0" MINIMUM STAIRWAY WIDTH

NOTE:
THE GREATEST RISER Height &
TREAD DEPTH WITHIN ANY FLIGHT
OF STAIRS SHALL NOT EXCEED
THE SMALLEST BY MORE
THAN 3/8"



STAIRWAYS
SECTION R 311

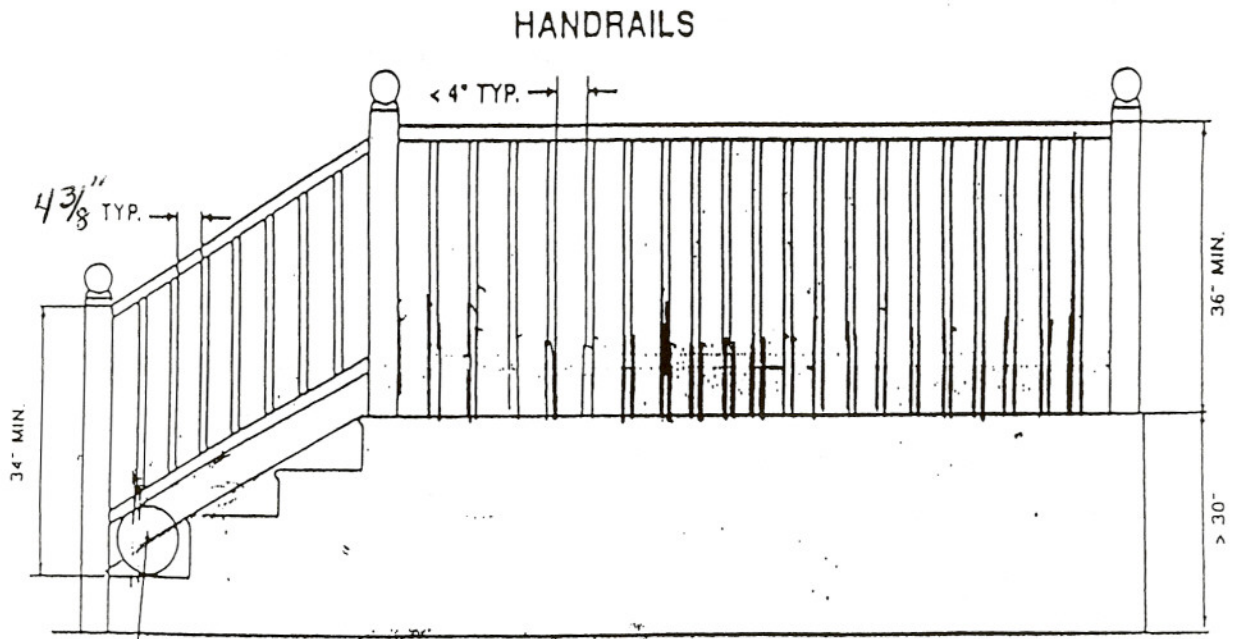


See handrail graphics for approved graspability designs.

SECTION A—A

stairways having *Four* or more risers

—NOTE—
VERTICAL MEASUREMENT
MADE AT THE LEADING
EDGE OF THE TREAD



6" SPHERE
UNABLE
TO PASS
THROUGH
OPENING

GUARDRAILS

HANDRAILS AND GUARDRAILS

SECTION R311 & R312

See section R311 & R312 for code language and exceptions

