

City of Marshall

Decks & Porches

Zoning Requirements

Submit a site plan to and discuss your project with the Zoning Administrator for approval.

Building Code Considerations – 2 sets of construction drawings showing the size and grade of lumber, railing height, height off grade

Section R314.1 – Stairways shall not be less than 36” wide.

Section R314.2 – Treads shall not be less than 9 inches deep and Risers shall not be more than 8 ¼ inches high.

Section R314.2.1 – Open risers are permitted if the opening created is not over 4 inches high and the deck is not over 30” high, otherwise they have to be closed. If the riser is closed and less than 11 inches then a nosing of ¾ to 1 ¼ inch shall be provided.

Section R315.1 – Handrails shall be no lower than 34 inches and no higher than 38 inches. The ends shall terminate into a wall or newel post. They shall be provided on one side of the stairway.

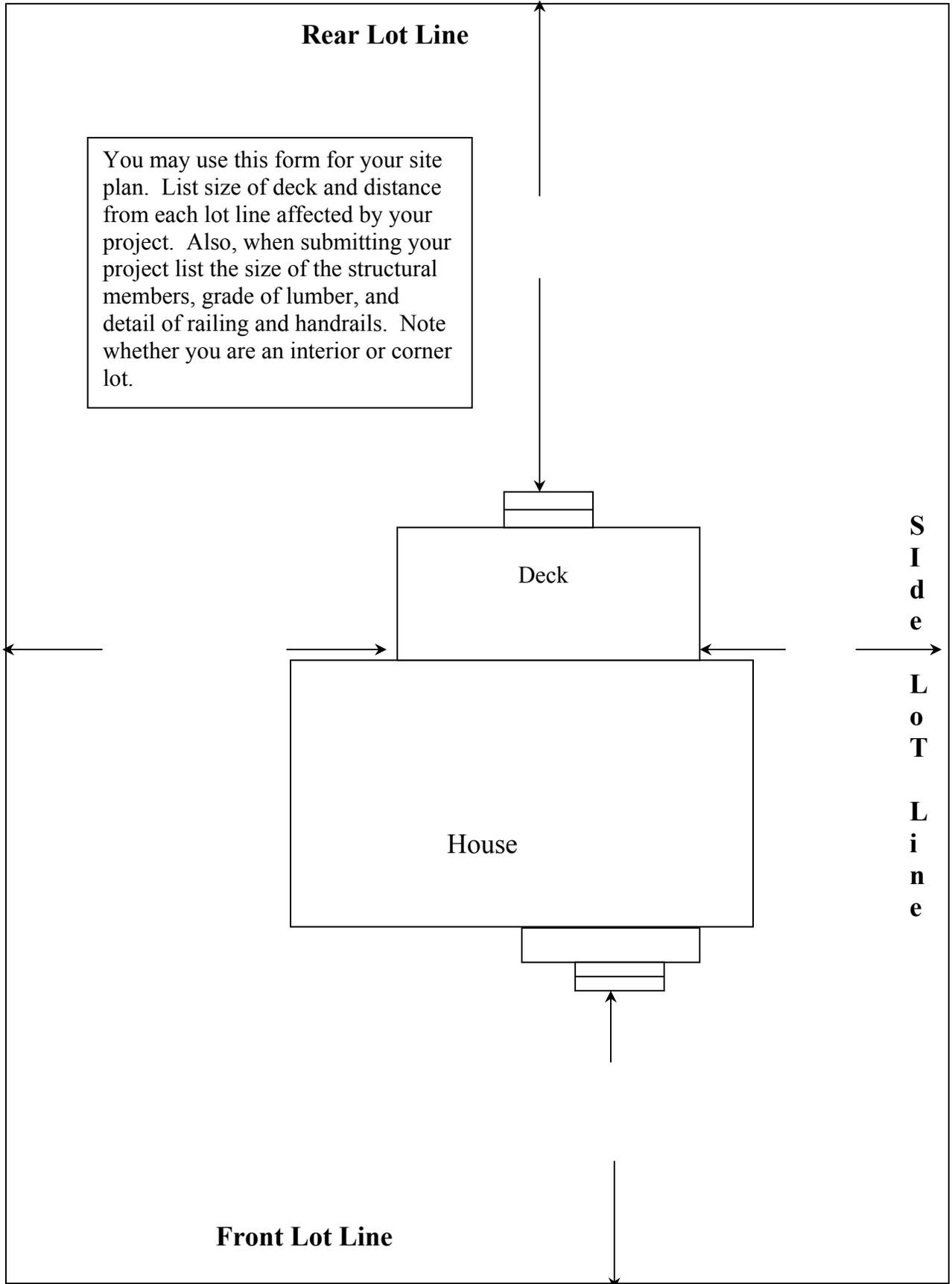
Section 315.2 – The handrail shall be graspable. 1 ¼ cross-section minimum to 2 5/8 maximum. Other approved shapes are acceptable. For approved types of handrails visit www.michigan.gov/cis. Click on Construction Codes and Fire Safety, then click on publications, and then technical bulletins. Look for publication No. 13.

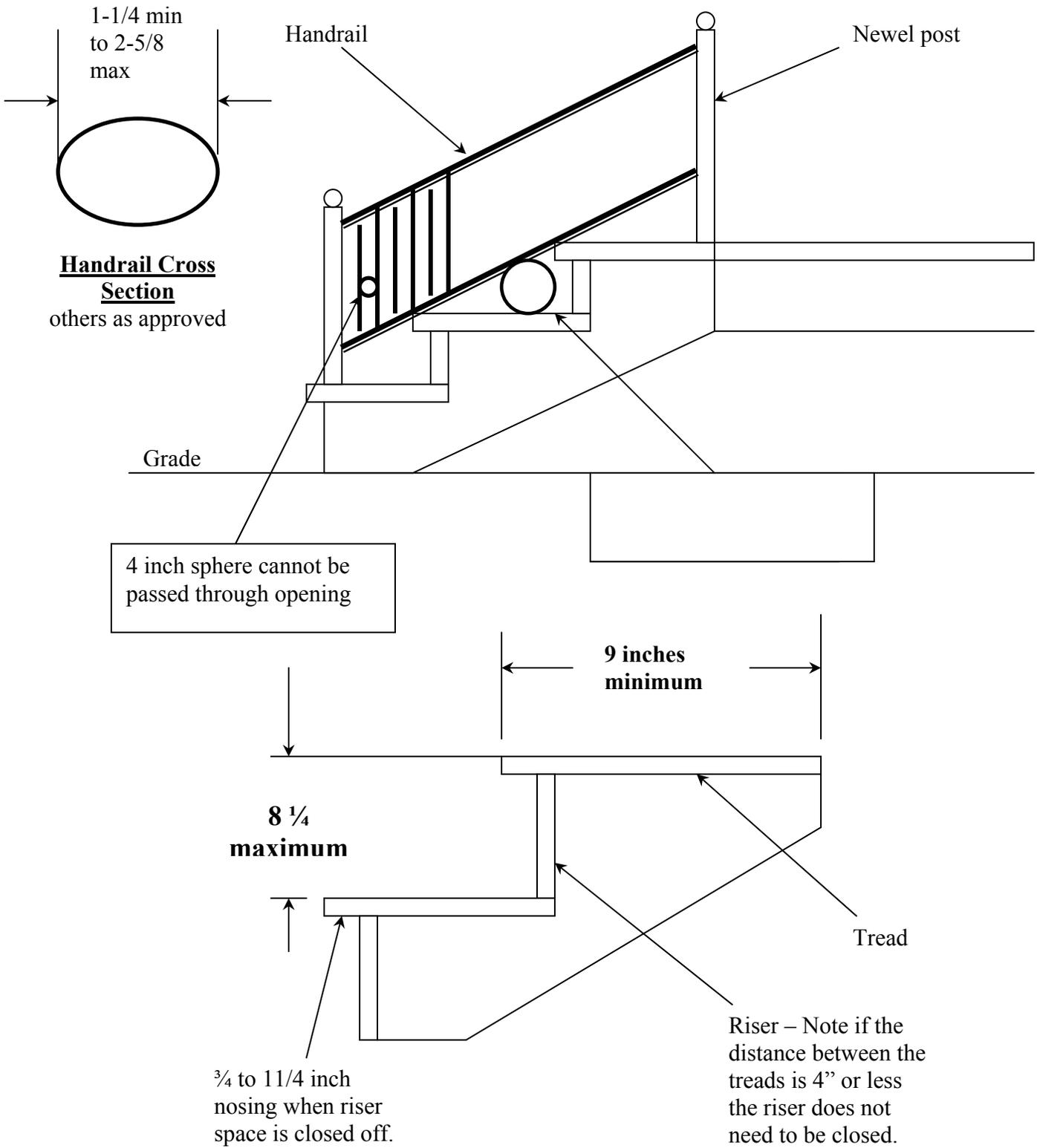
Section 316.1 – Decks, porches, balconies, or raised floors more than 30 inches above grade shall have a 36 inch guardrail, below 30 inches no guardrail is required. Open side of stairways more than 30 inches shall have a guardrail of 34 inches.

Section 316.2 – Required guardrails shall have intermediate rails or ornamental closures that do not allow a 4-inch diameter sphere to be passed through them. The triangular openings formed by the treads and riser shall not allow a 6-inch diameter sphere to be passed through them.

Section 315.1 – Regardless of deck or porch height – If you have 3 risers or more a continuous handrail is required.

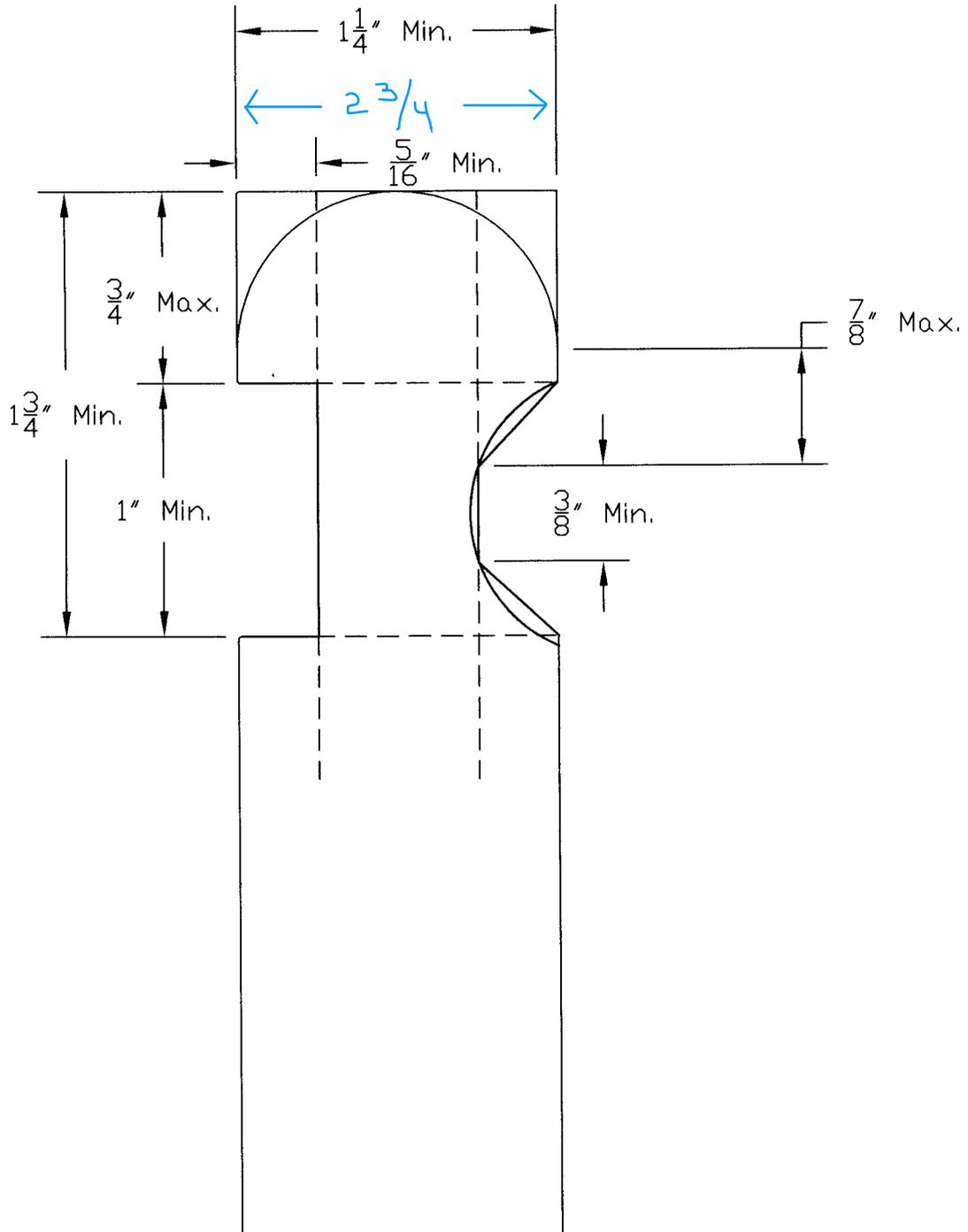
NOTE: Check the type of lumber preservative, if it is ACQ and not CCA then all fasteners, flashings, and hangers have to be approved for the use with the product and verification needs to be submitted.





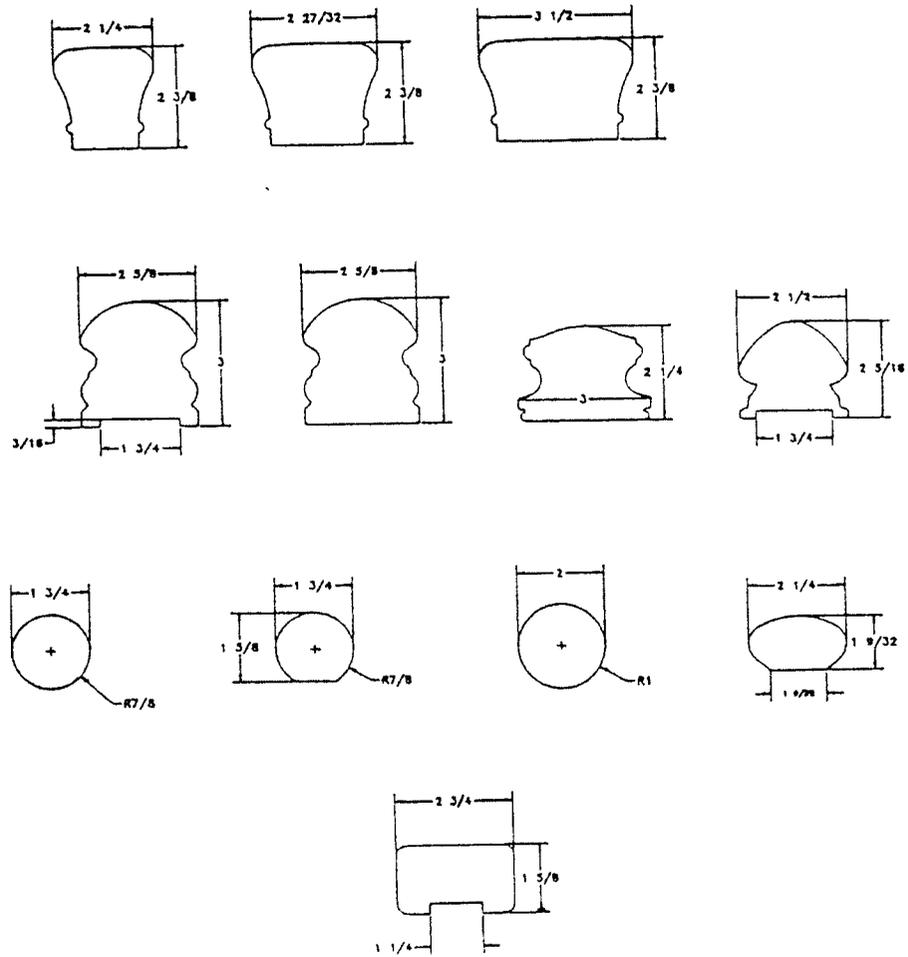
TYPE II-HANDRAIL

R-311.5.6.3(2)



TYPE I – HANDRAILS

R-311.5.6.3(1)



Residential Stairways & Handrails

