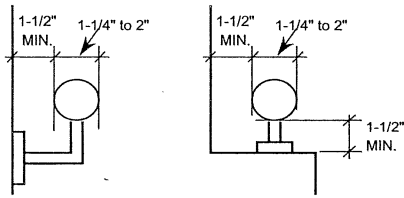
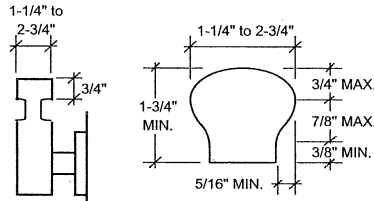


# Stairs, Handrails and Guardrails Requirements N.T.S.

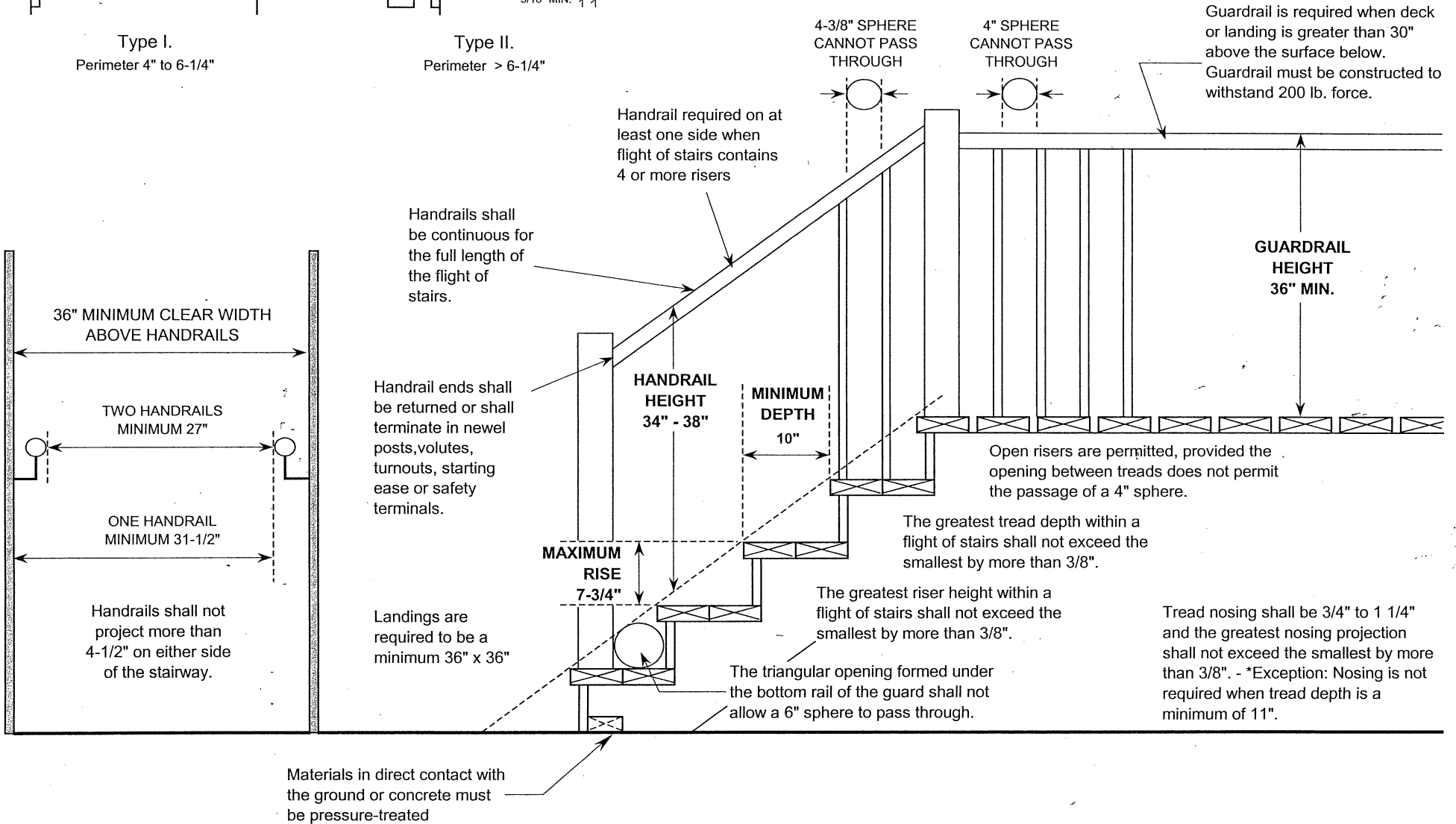
# Basic Deck, Landing and Stairs



**Type I.**  
Perimeter 4" to 6-1/4"



**Type II.**  
Perimeter > 6-1/4"



Guardrail is required when deck or landing is greater than 30" above the surface below. Guardrail must be constructed to withstand 200 lb. force.

4-3/8" SPHERE CANNOT PASS THROUGH

4" SPHERE CANNOT PASS THROUGH

**GUARDRAIL HEIGHT 36" MIN.**

Handrail required on at least one side when flight of stairs contains 4 or more risers

Handrails shall be continuous for the full length of the flight of stairs.

Handrail ends shall be returned or shall terminate in newel posts, volutes, turnouts, starting ease or safety terminals.

**HANDRAIL HEIGHT 34" - 38"**

**MINIMUM DEPTH 10"**

Open risers are permitted, provided the opening between treads does not permit the passage of a 4" sphere.

The greatest tread depth within a flight of stairs shall not exceed the smallest by more than 3/8".

The greatest riser height within a flight of stairs shall not exceed the smallest by more than 3/8".

Tread nosing shall be 3/4" to 1 1/4" and the greatest nosing projection shall not exceed the smallest by more than 3/8". - \*Exception: Nosing is not required when tread depth is a minimum of 11".

**MAXIMUM RISE 7-3/4"**

The triangular opening formed under the bottom rail of the guard shall not allow a 6" sphere to pass through.

Landings are required to be a minimum 36" x 36"

36" MINIMUM CLEAR WIDTH ABOVE HANDRAILS

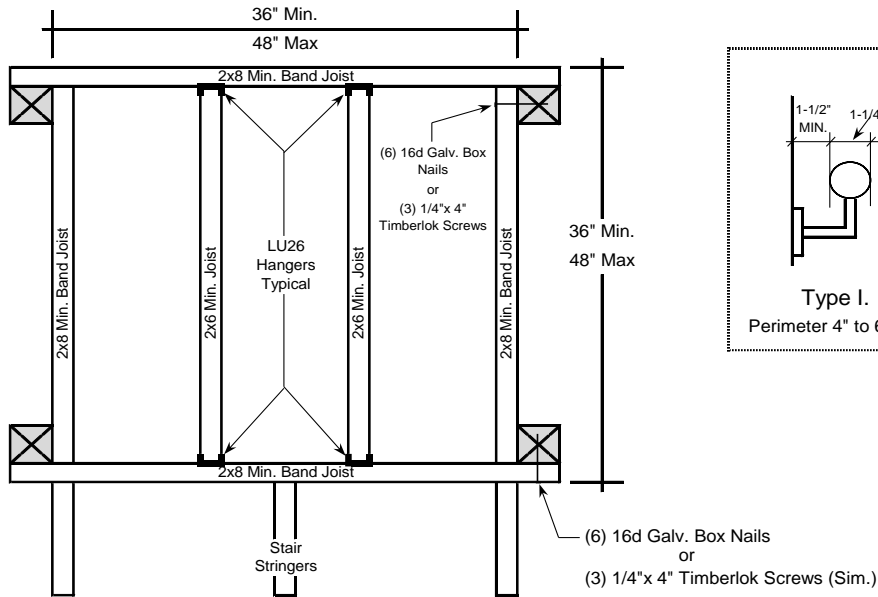
TWO HANDRAILS MINIMUM 27"

ONE HANDRAIL MINIMUM 31-1/2"

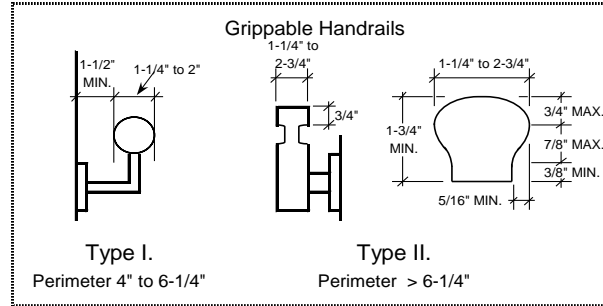
Handrails shall not project more than 4-1/2" on either side of the stairway.

Materials in direct contact with the ground or concrete must be pressure-treated

Overview - Landing Framing



MH Stairs and Landing Sample Plan



Guards are required on stairs, landings and decks when decks or landings are greater than 30" above the surface below. Guard in-fill shall withstand 50lb./sq.ft. load. Guardsrails and Handrails shall withstand a 200 lb. concentrated load.

Open risers are permitted, provided the opening between treads does not permit the passage of a 4" sphere.

The greatest tread depth within a flight of stairs shall not exceed the smallest by more than 3/8".

The greatest riser height within a flight of stairs shall not exceed the smallest by more than 3/8".

