CLARK COUNTY BUILDING DIVISION

Typical Decks, Stairs, and Railing

Decks not exceeding 200 SF, not over 30" above grade at any point and not attached to a dwelling or serving the required exit are not required to have a permit.

Guards maximum 4" sphere cannot pass thru - R312.1.3
exception- triangular space at steps so that a 6" sphere cannot pass R312.1.3 exception #1

Handrails are required

Guards at stairs spaced so that a 4 3/4" sphere cannot pass thru - R312.1.3 exception #2

36" high guardrail required when deck is over 30" above grade R312.1.1

Brace when over 3' high

4x6 girders at 6" o.c.
4x4 posts (use 4x6 at joints)

Passage of 4" sphere-not limited if total rise is less than 30' R311.7.4.3

1-1/2" min.
handrail- 1-1/4" to 2" diameter ends

Less than 4" space between horizontal rails

1-1/4" to 2"
1-1/4" to 2'

2x top rail
handrail with arp
grooves vertical rails R311.7.8.3

Type 1 Stair handrail

Type 2 Stair handrail

1. Landing and stair illumination is required per R303.7.
2. For glazing in guards and railings see R308.4.4.
3. Minimum 3'x3' landing at all exterior doors R311.3.
5. Handrails shall be provided on at least one side of each continuous run of treads or flight with four or more risers. R311.7.8.
6. All exterior decks exposed to the weather must be protected from decay and shall be by use of naturally durable wood or wood that is preservative-treated in accordance with AWPA U1 for the species, product, preservative and end use. Preservatives shall be listed in Section 4 of AWPA U1. See residential decks details for decks over 4'-0" high.
7. Handrail ends shall be returned or terminated in newel posts or safety terminals R311.7.8.2.
8. If deck is attached to house, footings must meet frost protection requirements. See detail MSC-8