

**PUBLIC AGENCY RISK SHARING AUTHORITY OF CALIFORNIA
1525 RESPONSE ROAD, SUITE ONE
SACRAMENTO, CA 95815**

SKATE PARK FACILITY DESIGN GUIDELINES

SKATE PARK FACILITY MEDIUMS

These standards and construction guidelines pertain to skate park facilities constructed of the following mediums: concrete, wood, steel, fiberglass, plastic, and composite materials including carbon fiber and recycled plastics. Any member intending to construct a skate park facility of a medium not described herein will need to submit plans and specifications to PARSAC for review and approval.

SKATE PARK FACILITY DESIGN AND CONSTRUCTION GUIDELINES

The following design and construction guidelines apply to all of the skate park facility mediums identified in these Standards.

PLANS AND SPECIFICATIONS

All members intending to construct skate park facilities must have plans and specifications prepared and stamped by a licensed design professional (i.e.: Architect, Engineer, Landscape Architect, etc.). Each member must keep the Plans and Specifications on file as long as the facility is operational and open to the public.

DESIGN REQUIREMENTS

Regardless of the medium, all facilities must comply with the following design requirements:

MAXIMUM HEIGHT OF ANY VERTICAL SURFACE

The maximum height of any vertical surface contained within the skating facility shall be no greater than three (3) feet. See figure 1.

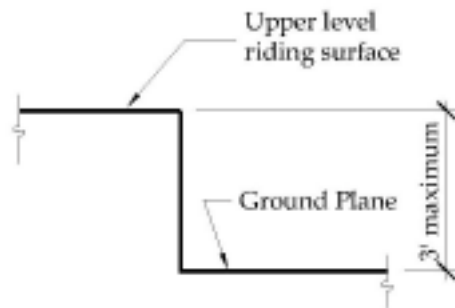


Figure 1

MAXIMUM CHANGE IN ELEVATION FOR ANY SINGLE RIDING SURFACE TRANSITION

The maximum change in elevation for any riding surface located below grade, at grade and above grade, including vertical surfaces, shall be no greater than seven (7) feet. See figure 2.

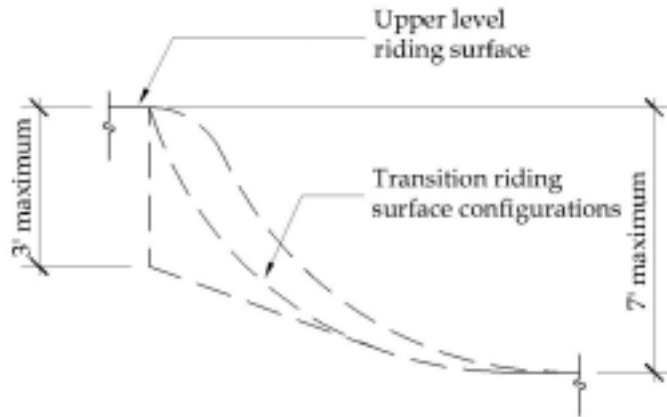


Figure 2

MAXIMUM RAIL HEIGHT

Rails shall not exceed three (3) feet in height above the surface material located below the rail for the entire length of the rail. See figure 3.

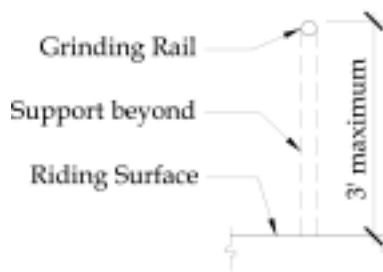


Figure 3

MAXIMUM RAIL SLOPE

The maximum rail slope shall not exceed 22 degrees (2.5:1 {2.5 horizontal feet to one vertical foot}) See figure 4.



Figure 4

RAIL SETBACK REQUIREMENTS

All rails shall be free and clear of any obstacles for a minimum distance of five (5) feet from both ends and ten (10) feet from both sides. See figure 5.

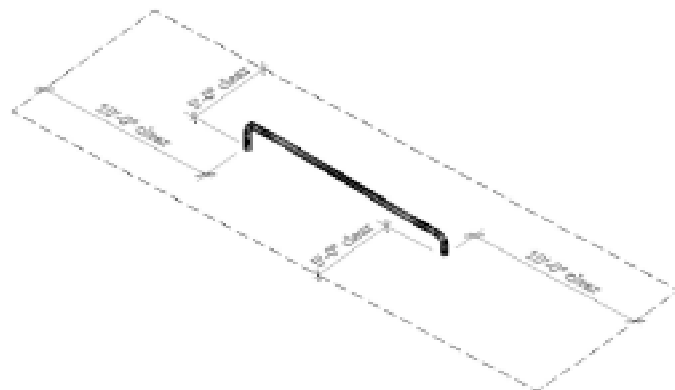


Figure 5

DESIGN REQUIREMENTS

All skate park facilities, regardless of medium must comply with the following construction guidelines:

SURFACE FINISH

All skating surfaces shall be smooth and continuous with the following tolerance requirements:

1. Elevation: positive/negative ~ 1/8 inch.
See figure 6.
2. Horizontal: horizontal ~ 1/4 inch.
See figure 7.

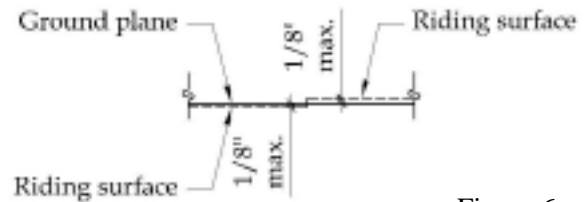


Figure 6

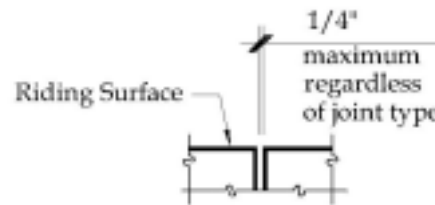


Figure 7

EXPOSED METAL REQUIREMENTS

All exposed metal (rails, coping-pipe/angle, etc.) contained within the skating facility shall have smooth continuous surfaces, free from sharp and irregular edges. All Exposed metal surfaces must have a 1/4" radius at all edge conditions. See figure 8.

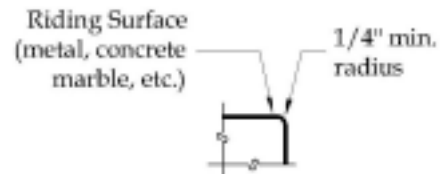


Figure 8

GUARDRAIL REQUIREMENTS

Guardrails must be specified and installed on structures where the vertical distance to the adjacent ground plane exceeds three (3) feet. Guardrails shall have a minimum vertical height of forty two (42) inches. Guard rails must be designed so that they prevent people from passing through the guardrail. Guardrails must be part of the original plans and specifications for the proposed project. See figure 9.

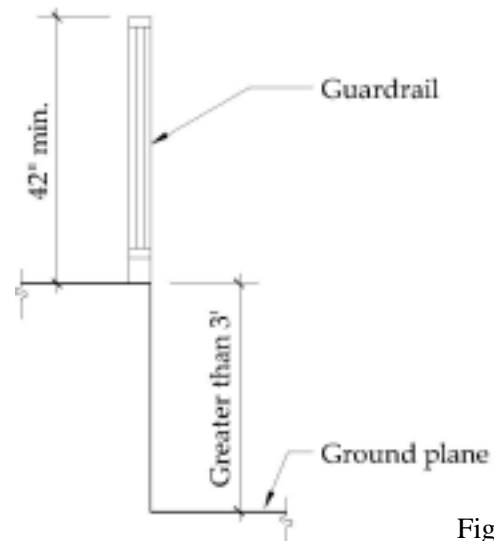


Figure 9

PORTABLE STRUCTURES

Portable structures shall be connected to the ground plane with vandal proof fasteners per the plans and specifications for the skate park facility.

ADJUSTABLE STRUCTURES

Structures designed to allow for ongoing adjustments in height and slope such as rails or ramps, shall be specified and maintained with locking fasteners connecting the structure to the ground plane. Adjustments to such structures shall only be made by authorized representative of each membership.

FACILITY SETBACK REQUIREMENTS

The minimum distance between the perimeter of the skating facility and source of debris or litter shall be no less than ten (10) feet. Sources of debris and litter include but are not limited to; ground covers, shrubs, trees, gravel, sand, decomposed granite, tan-bark, etc. Acceptable materials within this setback include, grass or other non debris producing soft-scapes, wood, metal, composite materials, concrete or any other hard-scape mediums such as brick, asphalt, etc.

MAINTENANCE REQUIREMENTS

These requirements shall be performed as indicated by any authorized representative of each membership.

OBSERVATION

A visual inspection of the entire facility shall be conducted on a daily basis prior to opening the facility to the public.

FASTNER INSPECTION

A visual inspection of structural fasteners and structural connections shall be made on a daily basis. Fasteners include but are not limited to; screws, nails, bolts, clamps, rivets, etc. Loose fasteners shall be tightened as detected.

FASTNER TIGHTENING

All fasteners shall be systematically tightened throughout the entire skate park on a monthly basis. Fasteners determined to be faulty, damaged or broken shall be replaced with the same fastener or a fastener of equal grade and strength.

SURFACE AND STRUCTURAL MATERIAL INSPECTION

All skate park surface and structural materials (i.e. Wood, Metal, Fiberglass, etc.) shall be inspected on a daily basis. Materials that are determined to be worn out, damaged, or faulty shall be replaced as detected. Ramps shall remain closed until such repairs are made once the replacement of surface materials has been determined.

CLEANING

Litter and debris shall be removed from the facility as detected within the facility, based on observation procedures described in these standards.

GRAFFITI

Graffiti shall be removed within forty eight (48) hours of being detected. Acceptable graffiti removal methods include the use of high pressure water, graffiti removal products such as chemical and organic solvents, etc. (Test all graffiti removal methods outside of the skate park facility to ensure that they will not adversely affect the riding surfaces.) Note: Sandblasting is not an acceptable method for removing graffiti.

WAX BUILDUP

Wax build up shall be removed on a bi-annual basis. Acceptable wax removal methods include, but are not limited to the use of organic solvents, chemical solvents, heat, etc.

REPAIR

If the need for facility repair should be determined, the affected portion of the facility shall remain closed until the repair is completed. Facility repairs such as replacing, patching, grinding welding, etc. shall be done in accordance with recommendations from the original designer of facility or an experienced design professional.