

Coping

Round coping 1.5" or 2" schedule 40 pipe (1 7/8" or 2 3/8" OD) all joints welded and ground.

Coping on 1/4 pipes and mini-ramps attached from back with no holes on front.

Square coping 2" x 2" x 1/8".

Rectangular coping 3 1/2" x 1" x 1/8".

Angle iron - 6" x 6" x 10 ga. w/ 1/4" radius (custom fabricated).

Decks

Decks are framed with 2 x 6 lumber, 12" on center double joists every 2'.

Deck surfaced with 3/4" plywood and final surface of same type as ramp surfaces.

If bikes allowed in skatepark - 12 gauge x 6" steel strips are fastened behind coping.

Decks are supported by 4 x 4 posts.

Posts are braced together and to transitions across bottoms. Diagonal bracing where needed.

Safety railings - 48" tall, three 2 x 6 railings attached to 4 x 4 posts.

Plywood Surfaces

Two layers of 1/2" plywood applied to all transitions, half pipe flat bottoms, and other ramps where appropriate.

One layer of 3/4" plywood applied to most banks, pyramids, planters, decks, and flat banked or surfaced boxes.

Plywood surfaces are applied by 2.5" x #8 galvanized screws (Quikdrive WSNTLG212S) on a minimum 8" x 12" pattern.

Final Surfaces

Ramp Surface: Ramp Armor Deluxe Skatelite, or Skatelite Pro. Ramp surface applied with 2.5" x #10 zinc screws on 8" x 12" pattern.

Steel - 12 gauge unpainted steel, applied with 2.5" x #10 stainless steel screws on 8" x 16" pattern.

Thresholds

12 gauge x 24" of steel are applied to all ramp bottoms.

Thresholds are attached flush with final ramp surface with 2 rows of #10 x 2.5" stainless steel screws on 16" x 4" pattern. Thresholds are applied banked elements to form a smooth transition.

Joists

All joists are #2 or better lumber.

Joists are 2" x 6" placed on 8" centers.

Double joists (2x6 and 2x4 screwed together) placed every 24".

Joists fastened to templates by 3" x #8 galvanized screws or better.

Ramp bottoms (last 12") are solid 2 x 6 and 2 x 4 lumber, for additional strength and for secure attachment of thresholds.

Transition, Box and Bank Templates

All templates are 3/4" plywood.

Templates are placed on ends and spaced not more than 6' apart.

2 x 6 stiffeners are run vertically on all template edges.

Anatomy of a Suburban Rails Ramp