CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY (SFMTA)
STANDARD BICYCLE RACK SPECIFICATIONS

Shape: Circular Rack (see diagram at end)

Rack Material: 

- **Hoop:** 2” x 2” by 3/16” (0.188”) wall square tube; with two approximately 5/16” (0.3125”) drainage holes in line at top of rack
- **Flanges:** Two 5” x 6” (five inches by six inches) flanges, 3/8” (0.375”) thick plate; with three 9/16” (0.5625”) mounting holes on each flange; with one approximately 1” drainage hole on each flange

Rack Coating: Zinc Coated (Hot-Dip Galvanized)

Dimensions: 

- **Rack Width:** 36” (to outside dimensions)
- **Distance Between Flanges (center to center):** 18”
- **Height:** 32”

Alignment: Hoop shall be laterally aligned within a range of tolerance of 1” (e.g.: when hoop is laid flat, no part of the underside of the rack, excepting flanges, will rise higher than 1” off of flat surface).

Please see diagram at end for additional information.

Mounting: Surface Mount

Fasteners: Per bike rack:

- Two 0.5” x 2.75” Powers Spike® Pin Anchor Mushroom Head Spike (Catalog Number 5569) or approved equal, and
- Four 0.5" x 3.75" Powers Power-Stud™ Wedge Expansion Anchor Threaded Power-Stud Assembly (Catalog Number 7422) or approved equal

Fasteners shall be zinc plated carbon steel

Loctite® Threadlocker Red 262™ shall be applied to the fastener threads prior to installation

**Welding:**
American Welding Society D1.1 Structural Welding Code Steel.

All welding shall be done by experienced and qualified welders in accordance with the standards and requirements of AWS D1.1 The Successful Contractor or manufacturer shall provide suitable means for clamping and holding members during the welding in order that warping or distortion of the structure shall be minimized. All welds shall have a 1/4-inch extra length at each end to allow for craters. Particular care shall be exercised to prevent undercutting or reducing the section of the material being welded. Grind exposed welds smooth.

**Fabrication:**
Fabricate all steel for bicycle racks in accordance with the requirements of the Specifications. Identify all steel at the mill showing grade and yield points. Fabricate and assemble the steel segments in the shop to the greatest sizes possible without detriment to handling, transporting and erection in the field.
FASTENER HOLES (SEE BOTTOM VIEW)

5/16" (0.3125") DRAINAGE HOLES

SIDE VIEW

3/8" (0.375")

6"

32"

2"

BOTTOM VIEW

9/16" (0.5625") FASTENER HOLES (SIX) ~1" DRAINAGE HOLES (TWO)

DRAINAGE HOLES (SEE TOP AND FRONT VIEWS)

THREE 9/16" (0.5625") FASTENER HOLES PER FLANGE (SIX TOTAL HOLES)

ONE ~1" DRAINAGE HOLE ALIGNED WITH SQUARE TUBING PER FLANGE (TWO TOTAL HOLES)
IMAGE: Installed San Francisco Standard Circular Bicycle Rack