

SECTION 32 33 13  
BICYCLE RACKS  
Design Standard

PART 1 GENERAL

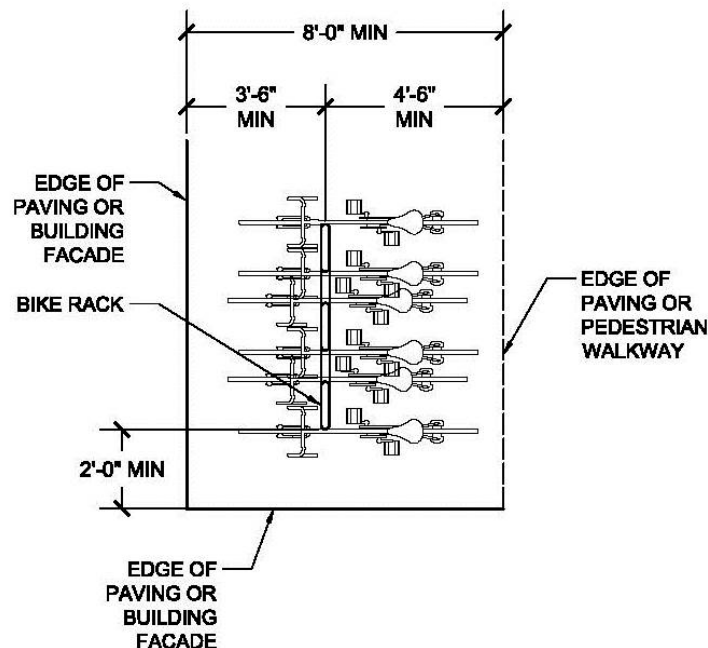
1.1 PURPOSE

A. Each of SMCCCD's individual campus sustainability plans seeks to encourage and enhance bicycling options on campus. Bicycling is also an important component of SMCCCD's transit strategy. Bicyclists can reach each of our colleges via surface streets. In addition, SAMTRANS, the county public transit agency, provides bicycle racks on their buses. This gives visitors, staff, and students several options to add bicycling to their transit choices. Once on campus, cyclists require conveniently located racks to secure their bicycles.

PART 2 DESIGN STANDARD

2.1 LOCATION OF BICYCLE RACKS

- A. Individual racks distributed throughout the campus and close to individual destinations are preferable to a large number of racks concentrated in one or two locations. Cyclists prefer to park very close to their destinations and will lock the bicycle to anything available unless a rack is immediately nearby. A higher concentration of bicycle parking may be needed near major building entrances.
- B. Racks should be in public view with high visibility and good lighting. Avoid placing racks where a thief or vandal could work without fear of being immediately noticed. Experienced cyclists will not park their bicycles out of public view.
- C. Racks should be covered by building roof or other overhangs, where possible, in order to protect bicycles from precipitation.
- D. Layout of Bicycle Racks:
- E. Bicycles should not block pedestrian ways by jutting out into a walkway. Racks should be sited to allow parked bicycles adequate clearance from walkways.
- F. Provide adequate paved area for the bicycle to park in the rack and still have its front tire rest on paved surface.
- G. Allow adequate clearance between rack and adjacent building facade to allow the cyclist to maneuver around the rack. Allow adequate clearance between rows of racks to allow cyclists to move through and maneuver within the space.



## 2.2 PREFERRED BICYCLE RACK

A. The preferred bicycle rack is the Welle Multiple Bend Rack by Palmer Group or approved equal. This Class 3 loop-style, round tubular steel rack is preferred because it allows the cyclist to attach the bicycle by the frame to a robust steel tube. The racks are compact, require few fastening points to the ground, do not feature any sharp corners to injure pedestrians, and can be offered in multiple capacities.

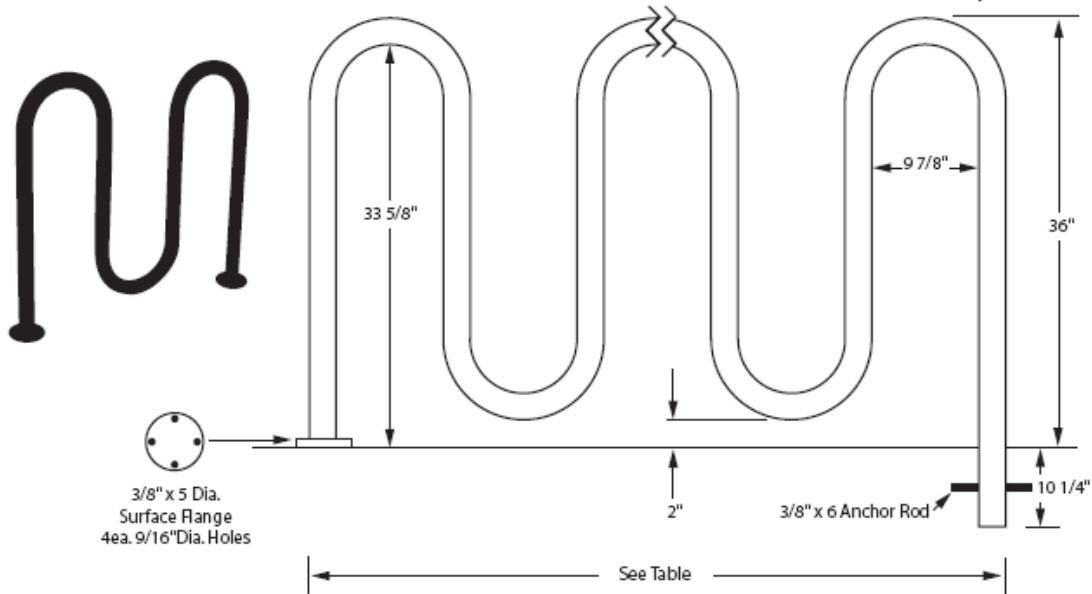
1. Pipe type: Round
2. Material: 2-3/8" O.D. ASTM A53 Schedule 40 pipe with .154" wall thickness,
3. Bend: 12" radius, mandrel-bent
4. Minimum number of bends: 3
5. Minimum capacity: 5 bicycles
6. Height: 36"
7. Mounting
  - a. New projects: In-ground embedment per manufacturer's instructions
  - b. Retrofits only: Surface mount per manufacturer's instructions
8. Finishes:
  - a. Cañada: Powder-coat "Moss Green" (RAL 6005) to match existing
  - b. CSM: Galvanized Steel to match existing
  - c. Skyline: Galvanized Steel to match existing



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**[ Welle™ Multiple Bend (Round Pipe) ]**



WELLE™ MULTI BEND ROUND PIPE RACKS						
Item		# of Bends	Bike Capacity	Rack Length		Model
				Common	Wide loop	
<b>MATERIAL</b> 2 3/8" O.D. Pipe Schedule 40 Pipe .154" Wall Thickness Mandrel - Bent	H3605	3	5	38"	59"	
	H3607	5	7	62"	97"	
	H3609	7	9	86"	135"	
	H3611	9	11	110"	173"	
<b>OPTIONAL</b> 1 5/8" O.D. Pipe Available Stainless 304 Alloy Available	H3613	11	13	134"	211"	
	H3615	13	15	158"	249"	
	H3617	15	17	182"	287"	

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Galvanized Steel Bike Rack at Skyline Campus Powder-coated Bike Rack at Cañada Campus

### PART 3 EXECUTION

#### 3.1 APPROVED MANUFACTURERS

- A. Palmer Group LLC (bikeparking.com) or approved equal

#### 3.2 SUBSTITUTIONS

- A. These District Standards have been approved by SMCCCD as Guidelines. Any deviation from the Standard must be approved by the District Project Manager.

#### 3.3 ASSOCIATED DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS

01 81 13 Sustainability Design Standard

32 00 00 Cañada College Campus Exterior Design Standard

32 00 00 College of San Mateo Exterior Design Standard

32 00 00 Skyline College Exterior Design Standard

32 33 13 Bicycle Racks

32 33 23 Trash and Recycling Receptacles Design Standard

San Mateo County Community College District is strongly committed to promoting sustainability throughout their campus projects. Section 01 81 13 Sustainability of the Design Standard provides guidelines and recommendations for implementing sustainability strategies. Where relevant, specific sustainability criteria is noted in this section; however, each project team should review and cross reference that front section while developing the specific project and its documentation. Each discipline shall confirm that specific performance and manufacturer information provided in the specification section is in alignment with code requirements, LEED criteria, and any other goals for sustainability.

END OF SECTION