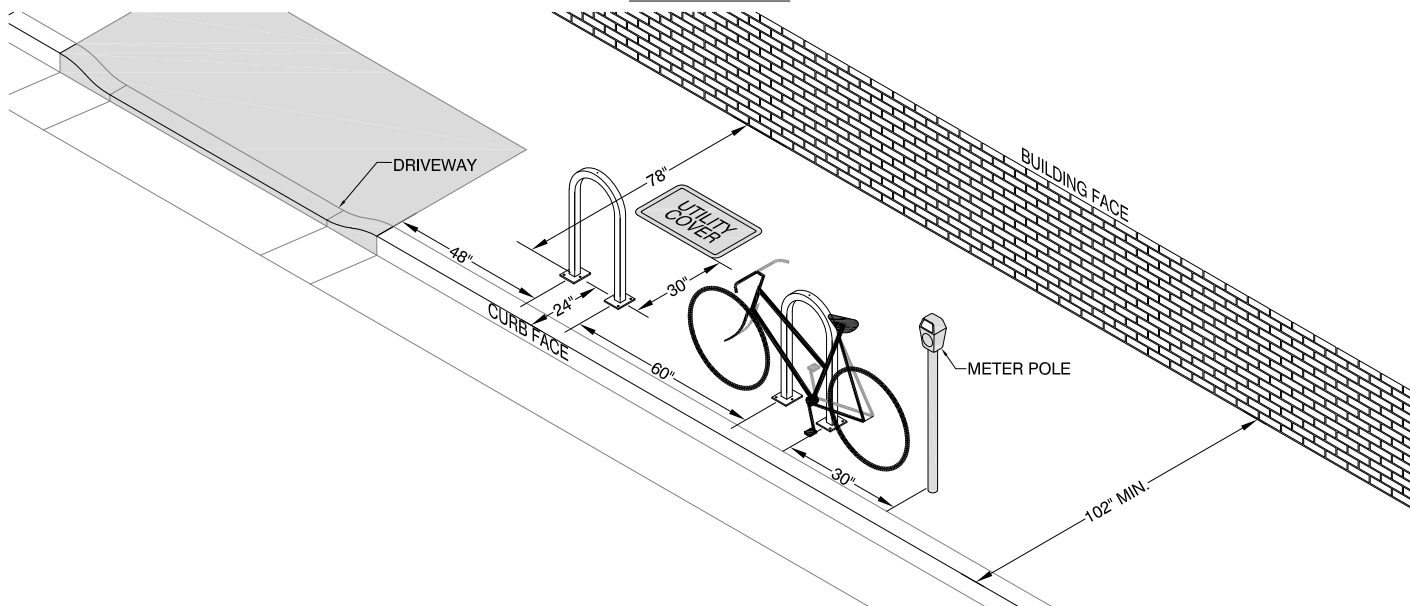
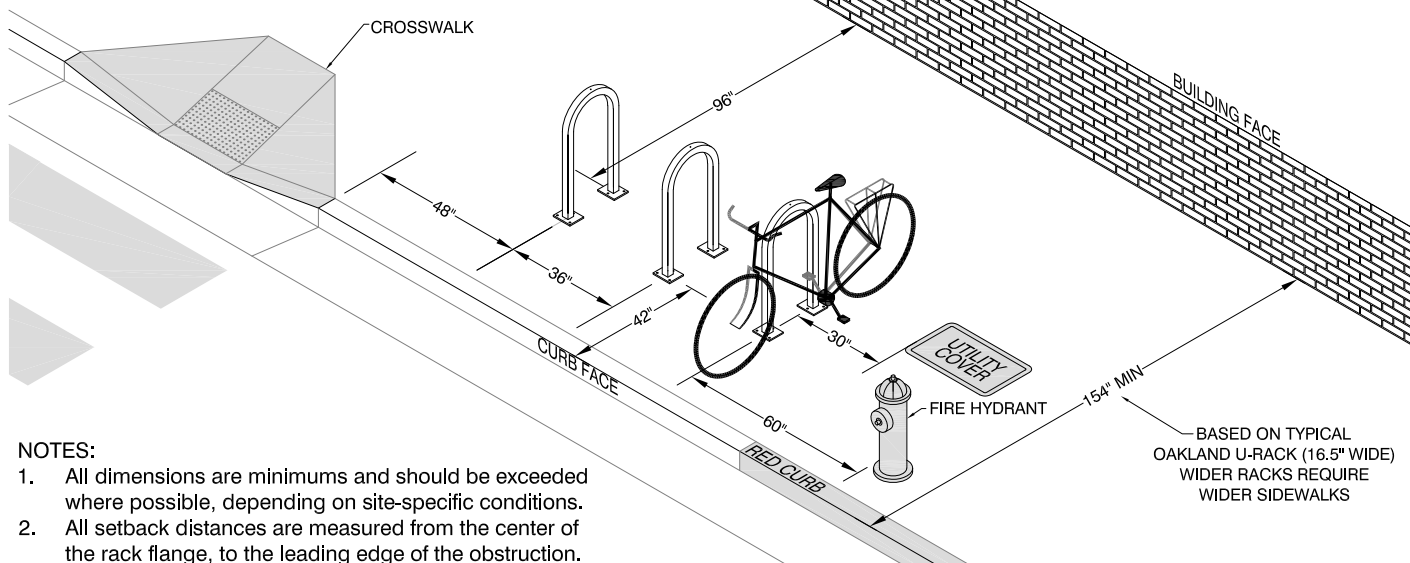


PARALLEL



PERPENDICULAR

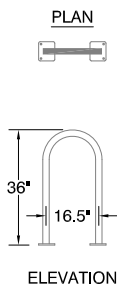


NOTES:

1. All dimensions are minimums and should be exceeded where possible, depending on site-specific conditions.
2. All setback distances are measured from the center of the rack flange, to the leading edge of the obstruction.

BASED ON TYPICAL OAKLAND U-RACK (16.5" WIDE) WIDER RACKS REQUIRE WIDER SIDEWALKS

OAKLAND INVERTED U-RACK



Minimum Setback Distance	Obstruction Type
24" (parallel) 42" (perpendicular)	Curb face, building face (if rack is sited adjacent)
30"	Light pole, newspaper rack, sign pole, USPS mailbox, tree well, street furniture, trash can, surface hardware (PG&E, cable grates, etc.)
48"	Curb ramp, crosswalk, white/yellow loading zone, storm drain inlet, BART entrance, blue zone (disabled parking), driveway, AC transit red zone or shelter
60"	Fire hydrant



CITY OF OAKLAND

DEPARTMENT OF TRANSPORTATION
BICYCLE & PEDESTRIAN PROGRAM
250 FRANK H. OGAWA PLAZA, SUITE 4344 * OAKLAND CA, 94612
(510) 238-3466 * FAX (510) 238-7415

**TYPICAL LAYOUTS:
INVERTED U-RACK
SHEET 1 OF 6**

**BICYCLE RACK
GUIDELINES**

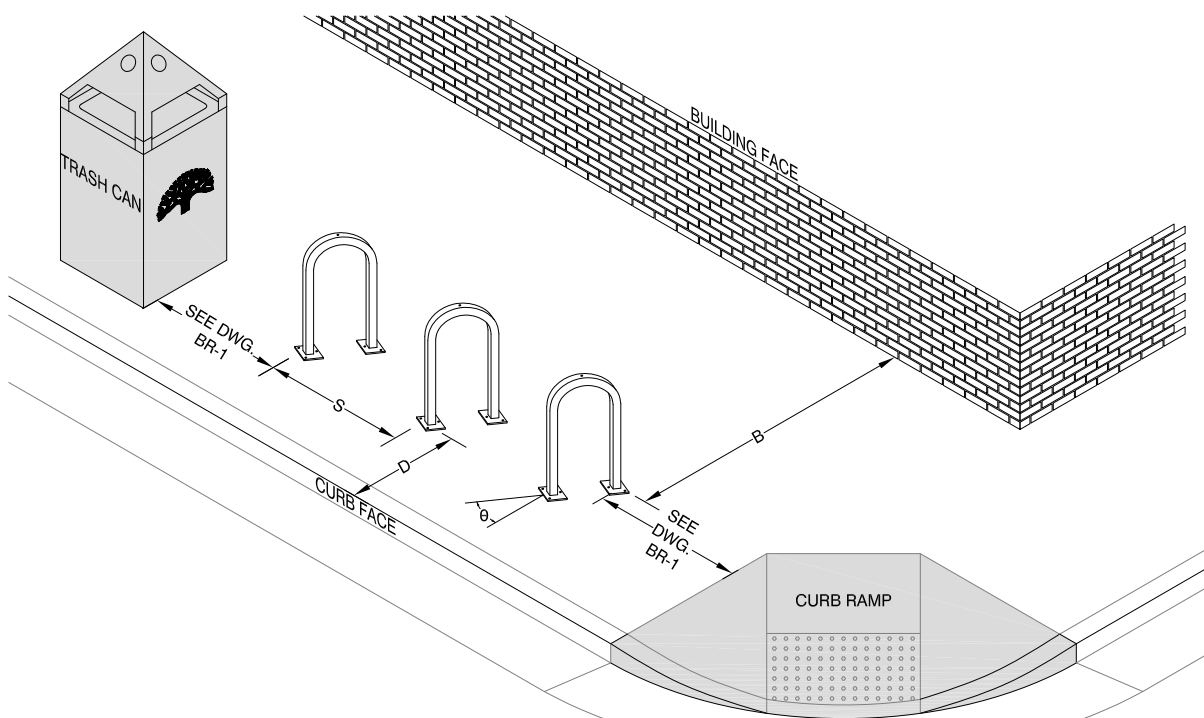
SCALE: NOT TO SCALE

DWG. NO.

BR-1

DATE: FEB 2018

DIAGONAL



NOTES:

1. See dwg. BR-1 for required setbacks from obstructions.
2. All dimensions are minimums and should be exceeded where possible, depending on site-specific conditions.
3. All dimensions are measured from the center of the rack flange to the leading edge of the obstruction.

θ = Rack orientation angle, in degrees from perpendicular to face of curb
 S^* = Rack spacing as measured parallel to curb, from same location on each rack, in inches
 D = Minimum distance from face of curb, in inches
 B = Minimum width to provide 66" sidewalk clear, outside of bicycle footprint

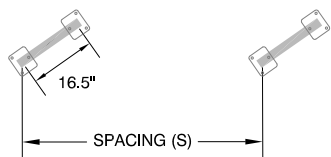
Spacing of Inverted U-Racks Installed on Diagonal
(16.5" rack width, 24" x 76" parked bike footprint)

θ	S^*	D	B
15°	37"	41"	95"
25°	40"	40"	94"
35°	44"	39"	93"
45°	51"	37"	91"
55°	63"	34"	88"
65°	76"	32"	86"
75°		29"	83"
85°		26"	80"

Typical

* The recommended spacing (S) for racks installed at angles of up to 55° maintains 36" spacing between racks, as measured perpendicular to the rack. At angles greater than 55°, the recommended spacing maintains a minimum of 60" between racks, like in parallel installations.

OAKLAND INVERTED U-RACKS



CITY OF OAKLAND

DEPARTMENT OF TRANSPORTATION
 BICYCLE & PEDESTRIAN PROGRAM
 250 FRANK H. OGAWA PLAZA, SUITE 4344 * OAKLAND CA, 94612
 (510) 238-3466 * FAX (510) 238-7415

**TYPICAL LAYOUTS:
 INVERTED U-RACK
 SHEET 2 OF 6**

**BICYCLE RACK
 GUIDELINES**

SCALE: NOT TO SCALE

DWG. NO.

BR-2

DATE: FEB 2018