

HOWARD COUNTY BIKE RACKS

TYPE AND PLACEMENT GUIDANCE

PRODUCED BY THE HOWARD COUNTY OFFICE OF TRANSPORTATION
BASED ON THE ASSOCIATION OF PEDESTRIAN AND BICYCLE PROFESSIONALS'
ESSENTIALS OF BIKE PARKING, USED UNDER CC-BY-NC 4.0

BIKE RACK TYPE SPECIFICATIONS

THE RACK MUST:

- SUPPORT THE BICYCLE FRAME IN AT LEAST 2 PLACES, ALLOWING THE FRAME AND WHEEL TO BE LOCKED USING A U-LOCK OR CABLE LOCK
- PREVENT THE WHEEL OF THE BICYCLE FROM TIPPING OVER
- NOT DAMAGE THE BICYCLE
- BE DURABLE AND SECURELY ANCHORED
- ALLOW FRONT-IN OR BACK-IN PARKING

ACCEPTABLE BIKE RACK TYPES

INVERTED U
ALSO CALLED
STAPLE, LOOP



COMMON STYLE APPROPRIATE FOR MANY USES; TWO POINTS OF GROUND CONTACT. CAN BE INSTALLED IN SERIES ON RAILS TO CREATE A FREE-STANDING PARKING AREA IN VARIABLE QUANTITIES. AVAILABLE IN MANY VARIATIONS.

POST & RING



COMMON STYLE APPROPRIATE FOR MANY USES; ONE POINT OF GROUND CONTACT. COMPARED TO INVERTED-U RACKS, THESE ARE LESS PRONE TO UNINTENDED PERPENDICULAR PARKING. PRODUCTS EXIST FOR CONVERTING UNUSED PARKING METER POSTS.

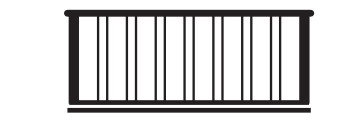
UNACCEPTABLE BIKE RACK TYPES

WAVE
ALSO CALLED
UNDULATING
OR SERPENTINE



NOT INTUITIVE OR USER-FRIENDLY; REAL-WORLD USE OF THIS STYLE OFTEN FALLS SHORT OF EXPECTATIONS; SUPPORTS BIKE FRAME AT ONLY ONE LOCATION EVEN WHEN USED AS INTENDED

SCHOOLYARD
ALSO CALLED
COMB, GRID

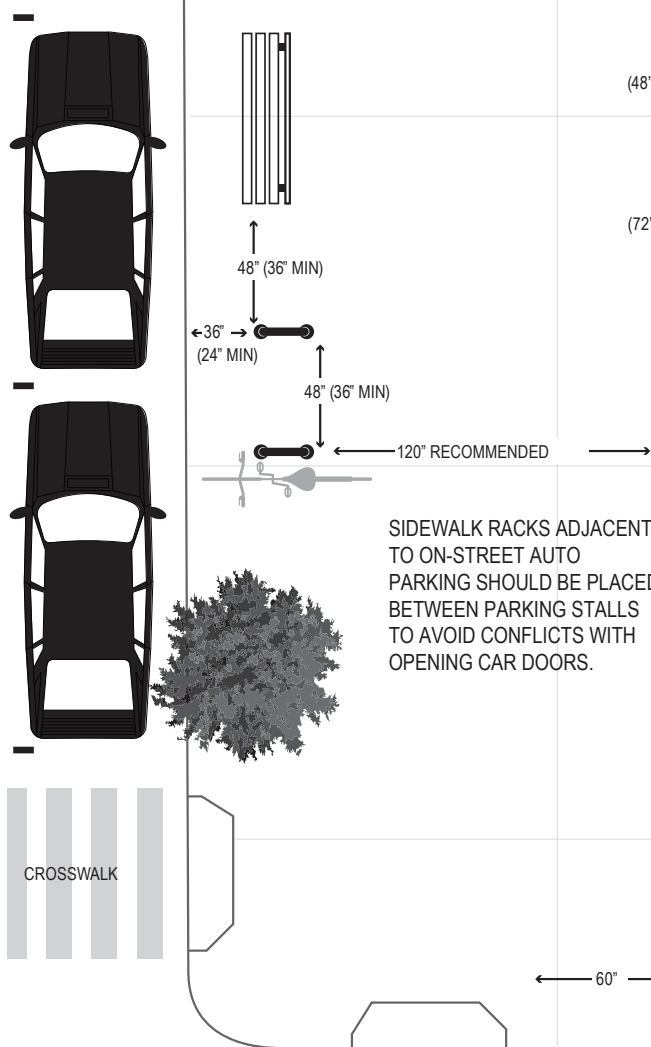


DOES NOT ALLOW LOCKING OF FRAME AND CAN LEAD TO WHEEL DAMAGE

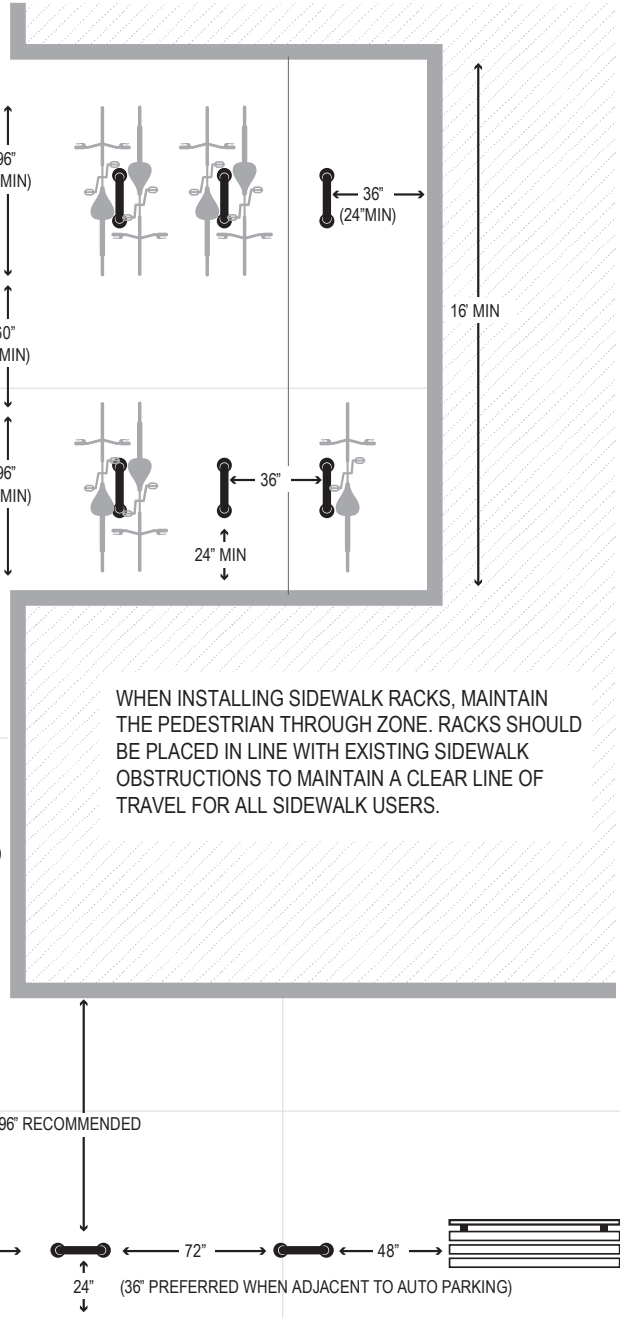
BIKE RACK PLACEMENT SPECIFICATIONS

FROM ASSOCIATION OF PEDESTRIAN AND BICYCLE PROFESSIONALS
 ESSENTIALS OF BIKE PARKING USED UNDER CC-BY-NC 4.0

THE FOLLOWING MINIMUM SPACING REQUIREMENTS APPLY TO SOME COMMON INSTALLATIONS OF FIXTURES LIKE INVERTED-U OR POST & RING RACKS THAT PARK ONE BICYCLE ROUGHLY CENTERED ON EACH SIDE OF THE RACK. RECOMMENDED CLEARANCES ARE GIVEN FIRST, WITH MINIMUMS IN PARENTHESES WHERE APPROPRIATE. THE FOOTPRINT OF A TYPICAL BICYCLE IS APPROXIMATELY 6' X 2'. CARGO BIKES AND BIKES WITH TRAILERS CAN EXTEND TO 10' OR LONGER



SIDEWALK RACKS ADJACENT TO ON-STREET AUTO PARKING SHOULD BE PLACED BETWEEN PARKING STALLS TO AVOID CONFLICTS WITH OPENING CAR DOORS.



WHEN INSTALLING SIDEWALK RACKS, MAINTAIN THE PEDESTRIAN THROUGH ZONE. RACKS SHOULD BE PLACED IN LINE WITH EXISTING SIDEWALK OBSTRUCTIONS TO MAINTAIN A CLEAR LINE OF TRAVEL FOR ALL SIDEWALK USERS.

LOCATION AND VISIBILITY

BIKE RACKS SHOULD BE PLACED IN A LOCATION THAT IS HIGHLY VISIBLE FROM THE STREET AND/OR A BUILDING'S ENTRANCE TO INCREASE VISIBILITY FOR ARRIVING BICYCLE RIDERS AND DETER THEFT.