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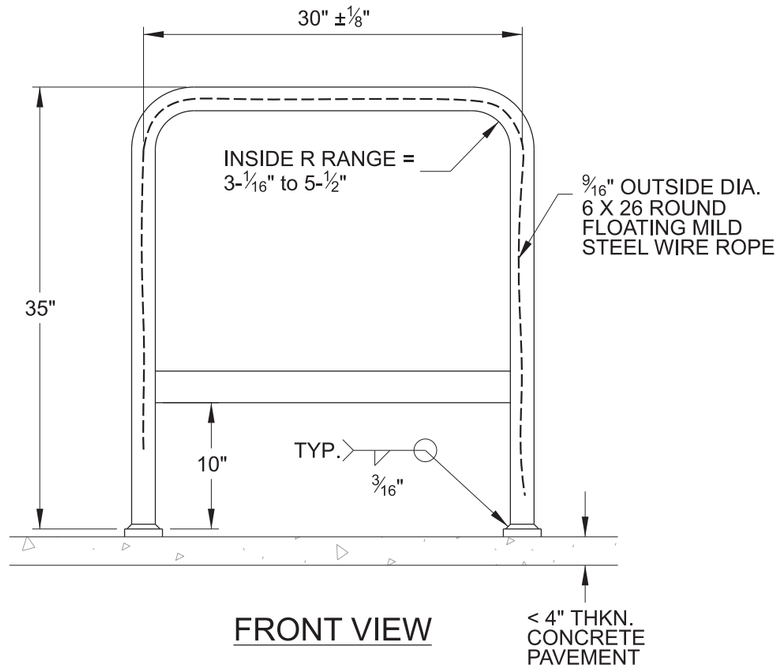
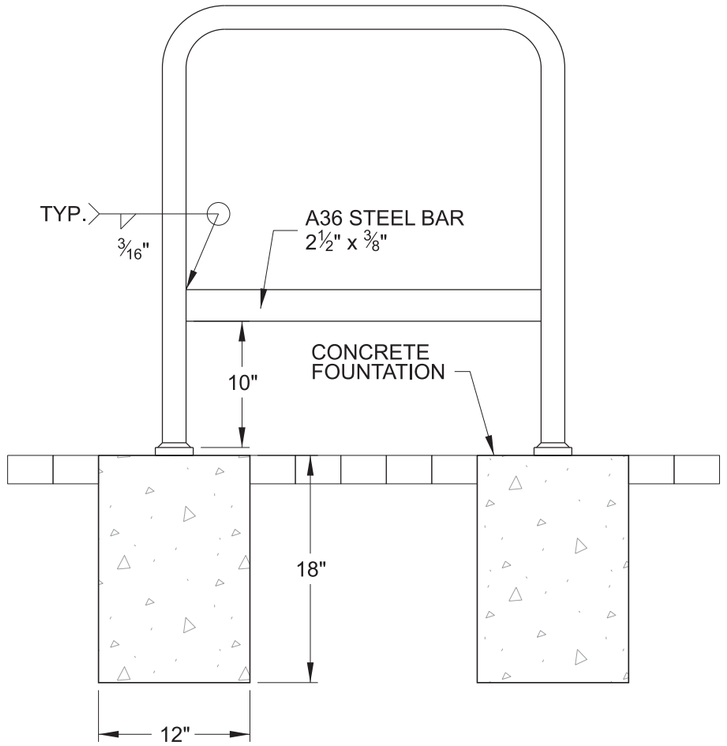
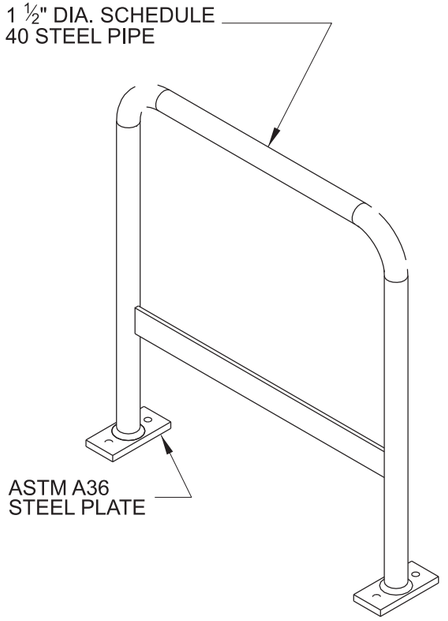


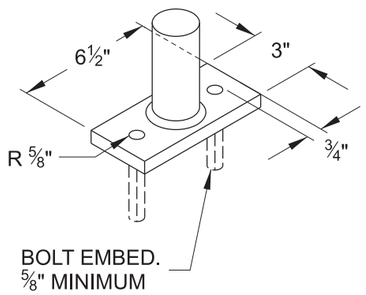
FRONT VIEW



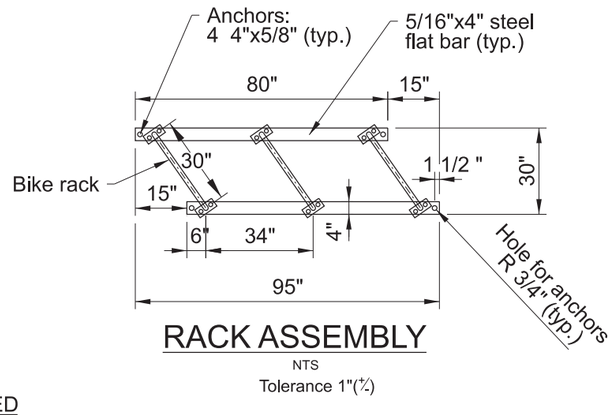
FRONT VIEW FOOTING DETAIL
WHEN INSTALLED IN PAVERS



ISOMETRIC VIEW



FLANGE DETAIL



RACK ASSEMBLY

NTS

Tolerance 1"(+/-)

FIRST ARTICLE INSPECTION REQUIRED

PRODUCT ACCOUNTABILITY -- RAW MATERIAL, SPECIFICATIONS AND SPECIAL PROCESSES, & FUNCTIONAL TESTING SHALL BE ENFORCED TO DETERMINE ADHERENCE TO DESIGN REQUIREMENT

PACKAGING – MINIMUM PACKAGING REQUIREMENTS SHOULD BE SAFE AND PRACTICALLY REASONABLE, BUT MUST ENSURE THE PRODUCT IS PACKAGED IN A MANNER THAT SECURES THE INTEGRITY OF FORM, DRAWING SPECIFICATIONS AND PROTECT FINISH COSMETICS FROM DAMAGE DURING HANDLING, MOVEMENT AND STORAGE.

MATERIALS

1. PIPE: ASTM A53 GRADE B STANDARD WEIGHT STEEL PIPE; 1 ½" DIAMETER CONSTRUCTED OF 90° BENDS WITH AN INSIDE RADIUS (R) BEND RANGE BETWEEN 3 1/16" TO 5 ½" (± ½" SHOP TOLERANCE.)
2. PLATE: ASTM A36 ⅝" THICK PLATE WITH TWO ⅝" DIAMETER HOLES.
3. WELDING MATERIALS TO HAVE A MINIMUM TENSILE STRENGTH OF 70,000 PSI.
4. BOLT: ½" DIAMETER x 1 ¼" LONG PIN HEX BUTTON SOCKET SECURITY BOLT, STAINLESS STEEL, OR APPROVED EQUAL.
5. ANCHOR: ⅝" DIAMETER 2" LONG THREADED FOR ½" BOLTS

MATERIAL FINISH

1. HOT-DIP GALVANIZE AFTER FABRICATION OF THE RACK ACCORDING TO ASTM A123 AND REPAIR DAMAGED HOT-DIP GALVANIZING ACCORDING TO ASTM A780 AND A123.
2. TWO-COAT POWDER COATING SYSTEM:
   · EPOXY PRIMER
   · POLYESTER TOPCOAT
   SEE SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
3 TOPCOAT COLOR: #5010, GENTIAN BLUE OR APPROVED EQUAL

MOUNTING PROCEDURES

1. ALL BICYCLE RACKS TO BE LOCATED IN THE CITY RIGHT-OF-WAY SHALL BE INSTALLED PER ADMINISTRATIVE RULE 10.09.
2. USE FLUSH-MOUNTED TYPE 316 STAINLESS STEEL DROP-IN ANCHORS SIZED FOR ½" DIA. BOLTS. PREDRILL HOLES IN CONCRETE PAVEMENT OR CONCRETE FOUNDATION PER ANCHOR MANUFACTURER'S RECOMMENDATIONS. USE ½" DIA. X 1 ¼" LONG HEXHEAD PIN SECURITY BOLTS. NO PROTRUDING OR NON-FLUSH ANCHORS SHALL BE USED.
3. FOR INSTALLATION IN PAVERS OR FOR CONCRETE PAVEMENT THAT IS LESS THAN 3" THICK, CONSTRUCT CONCRETE FOUNDATION IN ACCORDANCE WITH DETAILS SHOWN.
4. FOR CONCRETE PAVEMENT THAT IS NOT LEVEL, USE HOT DIPPED GALVANIZED STEEL OR STAINLESS STEEL WASHERS TO LEVEL THE RACK AND SUPPORT PLATES BEFORE DRIVING ANCHOR BOLTS.

The selection and use of this Standard Detail, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user.

PBOT **PORTLAND BUREAU OF TRANSPORTATION**

Michael Magee
City Engineer

Standard Drawing Title

BIKE RACK

Note:
All material and workmanship shall be in accordance with the City of Portland Standard Construction Specifications.

Effective Date:	05-22-2025
Calc. Book No.:	N/A
Std. Drg. Report Date:	05-22-2025

Standard Detail No.

P-576

Plot Date: 4/25/2025 4:47:37 PM