MATERIALS
1. PIPE: ASTM A53 GRADE B STANDARD WEIGHT STEEL PIPE; 1 1/2'' DIAMETER CONSTRUCTED OF 90° BENDS WITH AN INSIDE RADIUS BEND OF 3 1/2'' (+ 1/8'' SHOP TOLERANCE.)
2. PLATE: ASTM A36 5/8'' THICK PLATE WITH TWO 5/8'' DIAMETER HOLES.
3. BOLT: 5/8'' DIAMETER x 1 1/2'' LONG PIN HEX BUTTON SOCKET SECURITY BOLT, STAINLESS STEEL, OR APPROVED EQUAL.
4. ANCHOR: 5/8'' DIAMETER 2'' LONG THREADED FOR 5/8'' BOLTS

MATERIAL FINISH
1. SANDBLAST.
2. ZINC-RICH EPOXY PRIMER
3. POLYESTER TRI-GLYCIDYLOXYANURATE (TGIC) FINISH, 4 MIL THICK IN RAL COLOR #50010, GENTIAN BLUE

MOUNTING PROCEDURES
1. ALL BICYCLE RACKS TO BE LOCATED IN CITY RIGHT-OF-WAY SHALL BE INSTALLED PER ADMINISTRATIVE RULE 10.09
2. ALL BOLT HOLES IN THE CONCRETE PAVEMENT OR THE CONCRETE FOUNDATION SHALL BE PREDRILLED HOLES, 3/4'' DIAMETER X 2'' DEEP. NO PROTRUDING OR NON-FLUSH ANCHOR BOLTS SHALL BE USED. BOLTS TO BE INSTALLED USING LOCK TIGHT.
3. FOR INSTALLATION IN PAVERS 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.

FLANGE DETAIL

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.