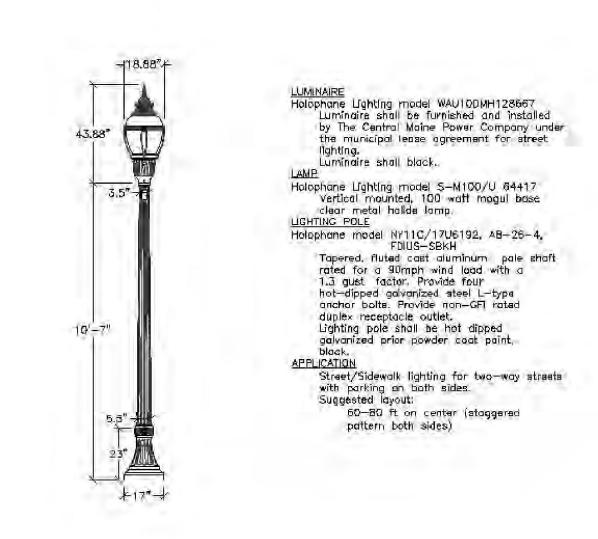
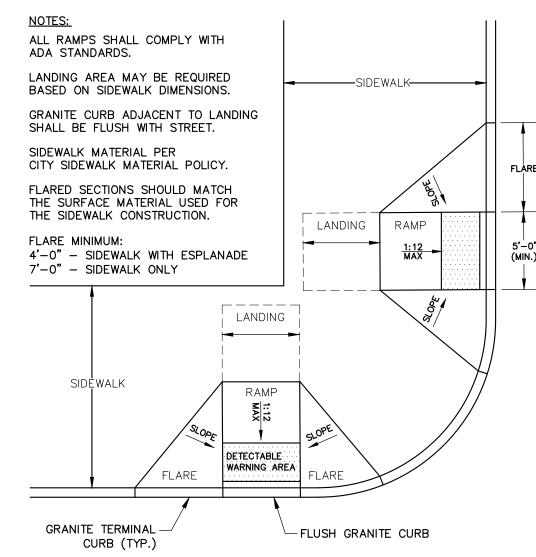
CONCRETE FILLED BOLLARD DETAIL



OLD PORT DISTRICT STREET LIGHTING POLE



SIDEWALK RAMP AT INTERSECTION

ADA ACCESSIBLE CURB RAMPS



Tape Measure Marker or Pencil Masonry Drill Bit Drill (Hammer drill recommended) Hammer Wrench 9/16"

Washers (for leveling if necessary)

## **Recommended Base Materials:**

Solid concrete is the best base material for installation. Ask your Dero Rack representative which anchor is appropriate for your application to ensure the proper anchors are shipped with your rack. Be sure nothing is underneath the base material that could be damaged by drilling.

## Installation:

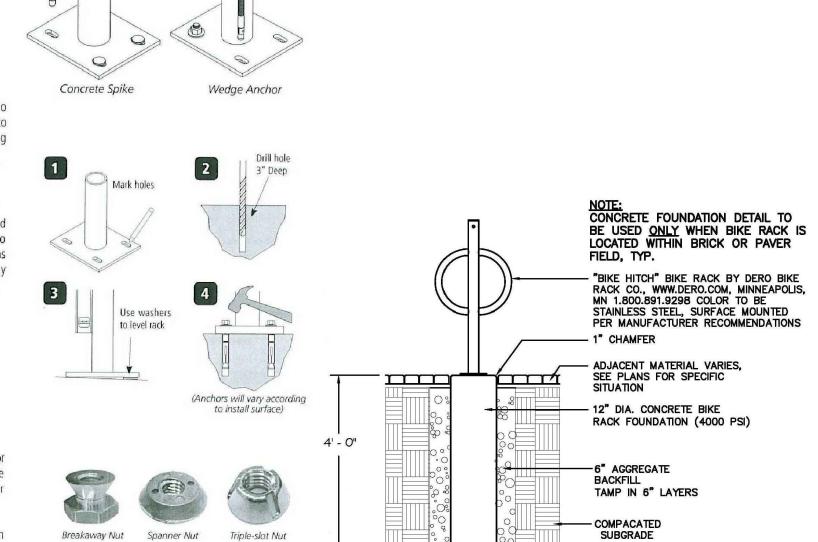
3/8" anchors are shipped with the rack. Place the rack in the desired location. Use a marker or pencil to outline the holes of the flange onto the base material. Drill the holes in accordance with the specifications shipped with the anchors. Make sure the holes are at least 6" away from any cracks in the base material.

## **Tamper Resistant Fasteners**

The concrete spike is a permanent anchor. The top of the wedge anchor can also be pounded sideways after installation so that it cannot be removed. Other tamper resistant fasteners are also available for purchase.

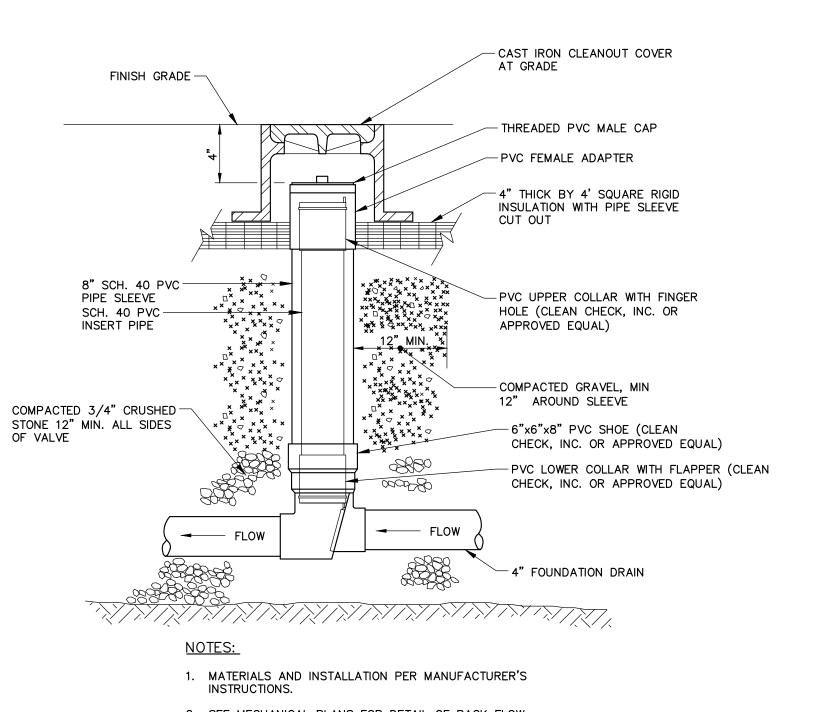
When using the special tamper resistant nuts, always set and first tighten the anchors. Once the rack is installed, replace two nuts from the bracket (opposite sides from each other) with the tamper resistant fastener. DO NOT OVERTIGHTEN the tamper resistant nut.

If you have any questions about installation or other features of the Bike Bike Rack, please call us toll free at 1-800-298-4915



CONCRETE FOUNDATION

TYPICAL BIKE RACK DETAIL



2. SEE MECHANICAL PLANS FOR DETAIL OF BACK FLOW PREVENTOR LOCATED IN BELOW BUILDING PARKING LOT.

**BACKFLOW PREVENTER** 

48.0" MINIMUM -CAST IN PLACE CONCRETE SECTION VIEW

- CAST IRON DETECTABLE WARNING PLATES SET

IN WET CONCRETE PER MANUFACTURERS

INSTRUCTIONS

 SIZE: THE DETECTABLE WARNING PANEL(S) SHALL EXTEND 24 INCHES MINIMUM IN THE DIRECTION OF TRAVEL AND THE FULL WIDTH OF THE CURB RAMP, LANDING, OR BLENDED TRANSITION TO THE STREET. 7. ORIENTATION: THE DETECTABLE WARNING PANEL SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS 6 INCHES MINIMUM AND 8 INCHES MAXIMUM FROM THE CURB LINE. THE PANEL SHALL BE ORIENTED TO THE DIRECTION OF TRAVEL AS IDENTIFIED BY THE POINT OF EGRESS. PLAN VIEW 2.0" PINEHALL PATHWAY BRICK
1.0" PORTLAND MORTAR CEMENT
2.0" ASPHALT 10" COMPACTED AGGREGATE BASE GRAVEL

ONE FULL PERIMETER COURSE

(CURRENT BRICK STANDARD)

OF PINEHALL PATHWAY PAVERS

R=0.250" -HEX HEAD BOLTS & WASHER 4-PL **BOLT DETAIL** 

TOP Ø=0.450" + | +

1. ALL DETECTABLE WARNING PLATES SHALL BE UNCOATED CAST IRON.

CAST IN PLACE CONCRETE SHALL MEET SPECIFICATIONS FOR MAINE D.O.T. CLASS A STRUCTURAL CONCRETE, MINIMUM COMPRESSIVE STRENGTH 4,000 PSI. THE CONCRETE SHALL BE SEALED PRIOR TO SETTING PANELS.

TRUNCATED DOMES SHALL BE ALIGNED IN ROWS, PARALLEL AND PERPENDICULAR TO THE PREDOMINANT DIRECTION OF TRAVEL. NO OTHER DETECTABLE WARNING DESIGN OR CONFIGURATION IS ALLOWED.

HISTORIC DISTRICTS AND HISTORIC LANDSCAPES, "DARK GRAY"

5. THE DETECTABLE WARNING PANEL SHALL HAVE ONE FULL COURSE OF PINEHALL PATHWAY PAVERS (THE CURRENT BRICK STANDARD)
AROUND THE FULL PERIMETER OF THE PANEL. THIS PERIMETER

A FLUSH SURFACE BETWEEN THE BRICK AND THE PANEL.

COURSE SHALL BE SET USING PORTLAND MORTAR CEMENT TO CREATE

BASE Ø=0.090"

FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.

4. FOR ALL DETECTABLE WARNING PANELS, WITHIN OR ABUTTING

COLORED (#36118) PANELS SHALL BE USED. FOLLOW

MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.

SIDEWALK RAMP DETECTABLE WARNING

ARCHITECT

75 YORK STREET PORTLAND, MAINE 04101

**OWNER** FATHOM CC, LLC

MANAGER

10 DANFORTH STREET

PORTLAND, MAINE 04101

**WOODWARD & CURRAN** 

PORTLAND, MAINE 04102

PORTLAND, MAINE 04101

408 FORE STREET, SUITE 201 PORTLAND, MAINE 04101

41 HUTCHINS DRIVE

EALAIN STUDIO.

350 N SAINT PAUL ST, SUITE 100 DALLAS, TX 75201- 4240

STRUCTURAL ENGINEER BECKER STRUCTURAL ENGINEERS

80 EXCHANGE STREET, SUITE 400 PORTLAND, MAINE 04101

**OWNER'S CONSTRUCTION** 

OWNER'S CIVIL ENGINEER

OWNER'S INTERIOR ARCHITECT

**OWNER'S LANDSCAPE ARCHITECT** 

CARROLL ASSOCIATES LANDSCAPE ARCHITECT

217 COMMERCIAL STREET, SUITE 200

WRIGHT-RYAN CONSTRUCTION, INC.

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THESE DOCUMENTS ARE PARTIALLY DEVELOPED FROM ARCHITECTURAL AND STRUCTURAL DRAWINGS PROVIDED BY OTHERS. ALL AS-BUILT CONDITIONS SHOULD BE FIELD VERIFIED.

> INTERIM REVIEW ONLY These documents are incomplete, and are released for interim review only and are not intended for regulatory approval, permit, or construction purposes. Arch. Reg. No.:

DATUM ELEVATION 12'-0" (MSL) = 0.72 NGVD1929 = 0.70 Portland City Datum



REVISION

NO. DESCRIPTION

HKS PROJECT NUMBER

12/21/2018

**CIVIL DETAILS 4**