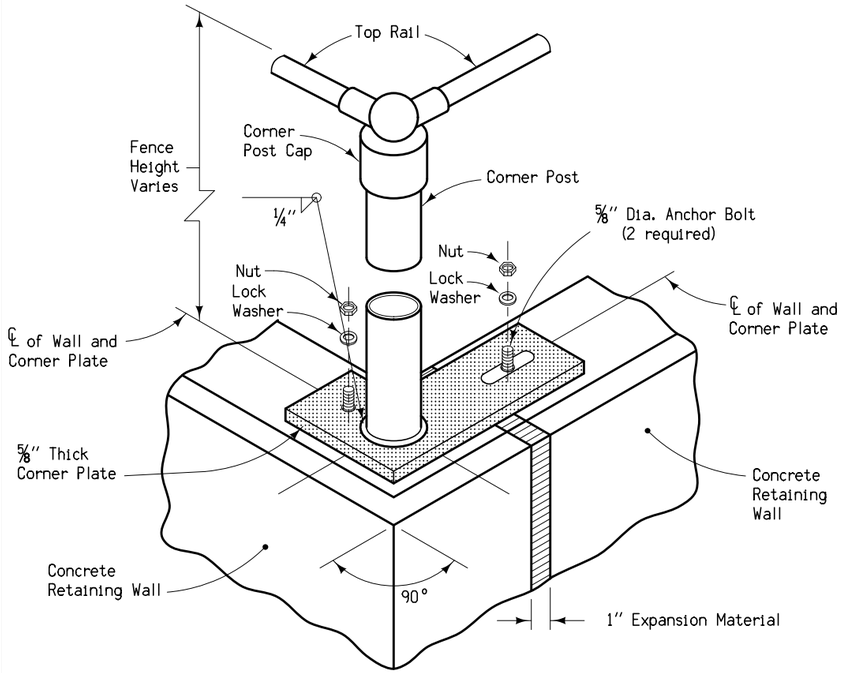
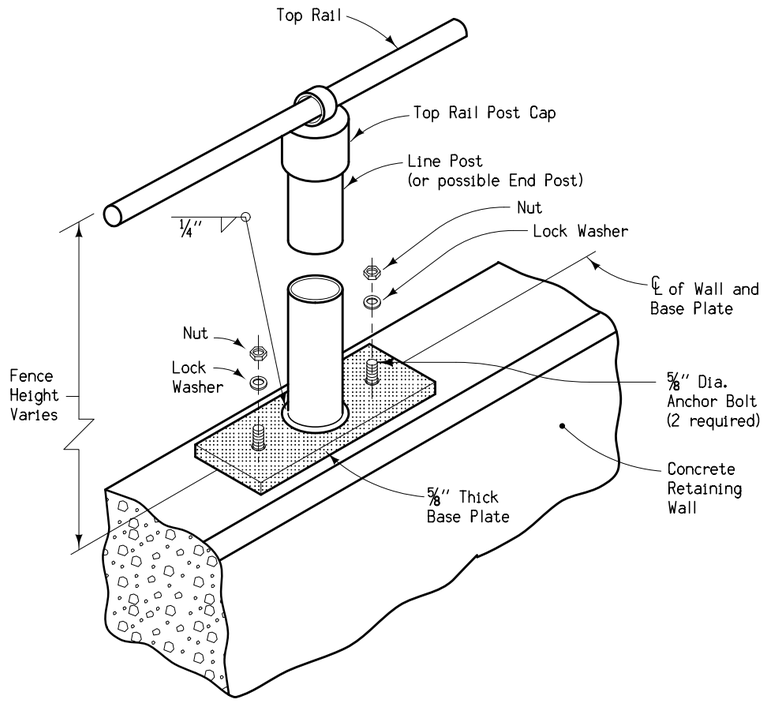
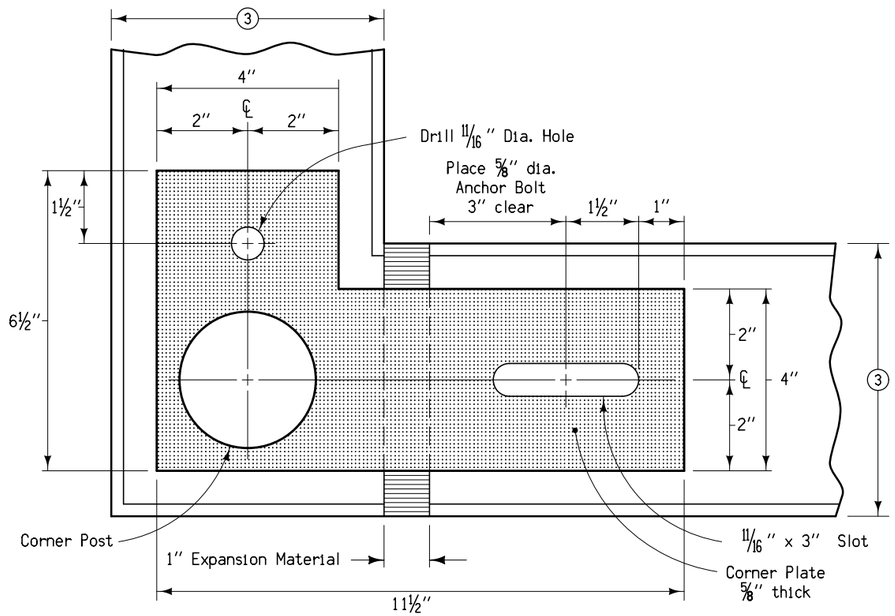


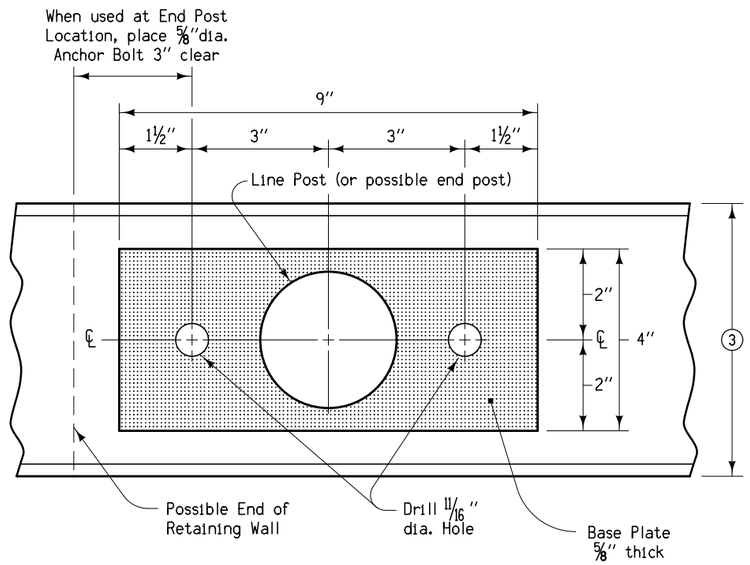
TYPICAL INSTALLATION CORNER PLATE



TYPICAL INSTALLATION BASE PLATE ②



PLAN OF CORNER PLATE ①



PLAN OF BASE PLATE

Construction of Chain Link Fence on Concrete Retaining Wall shall be in conformance with current Standard and Supplemental Specifications. Details shown on this sheet are typical. Alternate details may be submitted to the Engineer for approval prior to construction. Refer to project plans for details of particular fencing installations.

Anchor bolts (5/8" diameter) shall have a minimum pull out strength of 9000 pounds based on 3500 psi concrete, shall meet the requirements of I.D.O.T. Materials I.M. 453.09, and shall be galvanized and installed according to recommendations of the manufacturer.

Base Plates and Corner Plates shall be galvanized after welding and prior to installation.

Post size and spacing shall be as shown on MI–102.

Bottom tension wire, placement of stretcher bar clamps, fastening of chain link fabric to posts, top rail sleeve, etc., shall be as indicated on MI–102.

Brace rails and truss rods are not required where height of fabric is specified as 42 inches or less.

Grounding requirements shall be as determined by Section 2519 of the Standard Specifications.

Chain link fabric shall be knuckled selvage at top and bottom of fence.

Price bid for "Chain Link Fence" shall be considered full compensation for fabrication and construction of fencing as detailed hereon, as required by project plans, and as per Section 2519 of the Standard Specifications.

① The 11.5 inches length dimension for the Corner Plate is based on a wall width of 6 inches. In cases where wider wall widths are shown on project plans, the length dimension shall be increased to ensure 3 inches clearance for the anchor bolt.

② The Base Plate is shown mounted on a narrow width wall. Where a wider wall is shown on project plans, the base plate may be rotated 90 degrees when there is sufficient concrete to ensure a minimum of 3 inches clearance for anchor bolts.

③ Width of concrete retaining wall

IOWA DOT

REVISION	
2	04-20-10

ROAD DESIGN DETAIL

510-01

SHEET 1 of 1

REVISIONS: Updated references to renamed standards.

CHAIN LINK FENCE ON CONCRETE RETAINING WALL