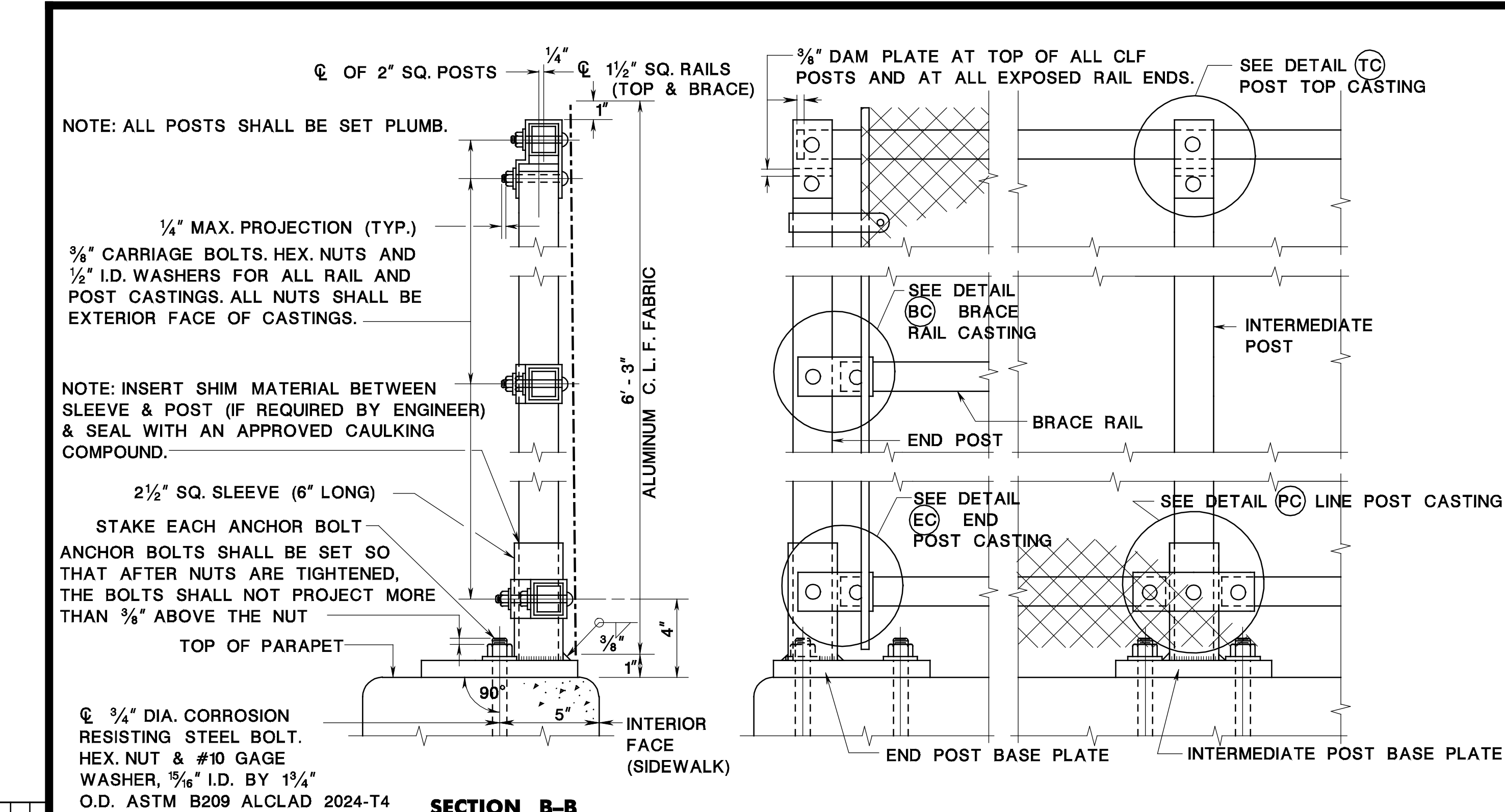


pen table = Y:\VDP\WIS\Projects\NJDOT\Tag\pict\TBL\Non-Roadway\bridge.tbl

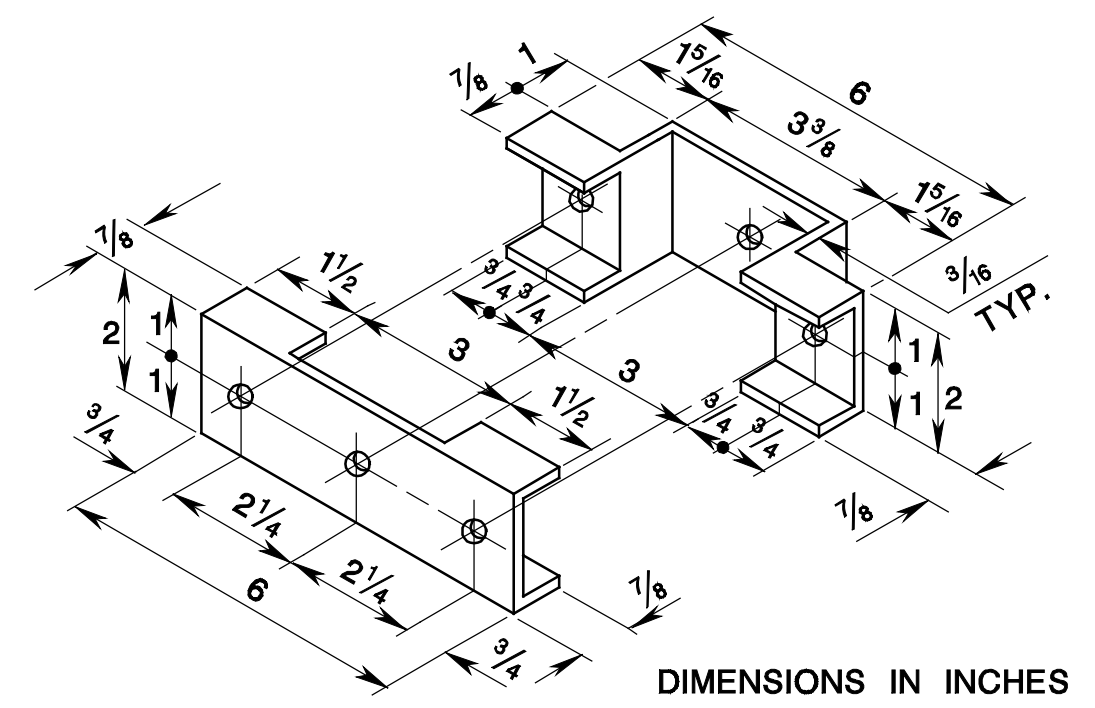
scale = 0.0033333333333333

date = 17-DEC-2007 10:01

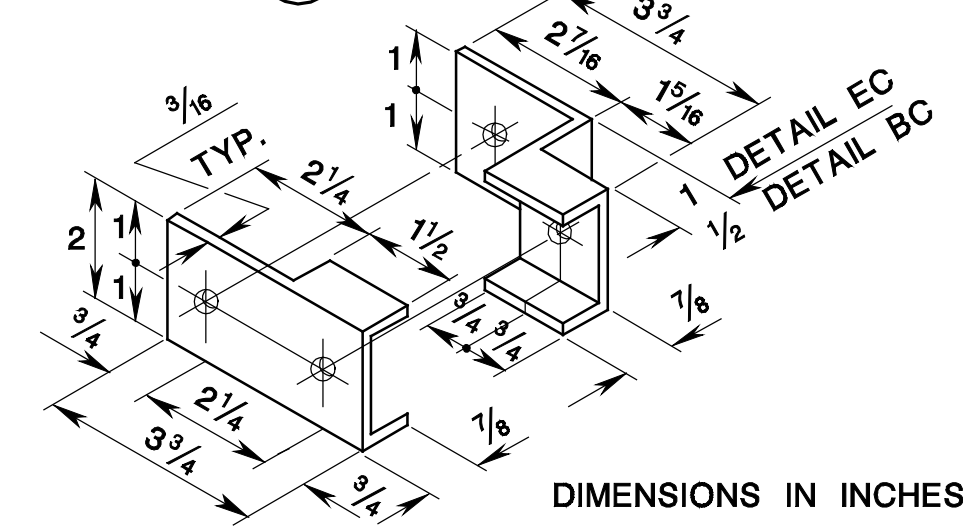
ID = TPXBH1AV



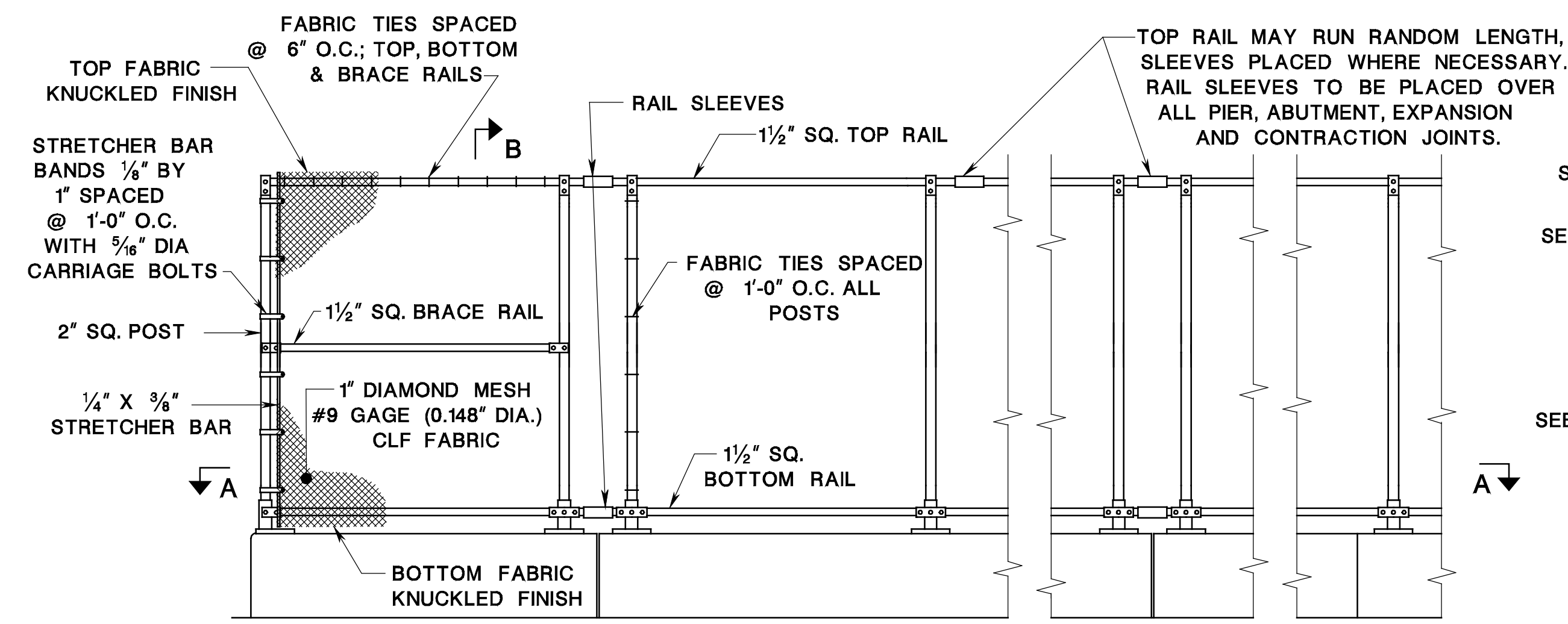
PART INTERIOR ELEVATION OF CHAIN LINK FENCE



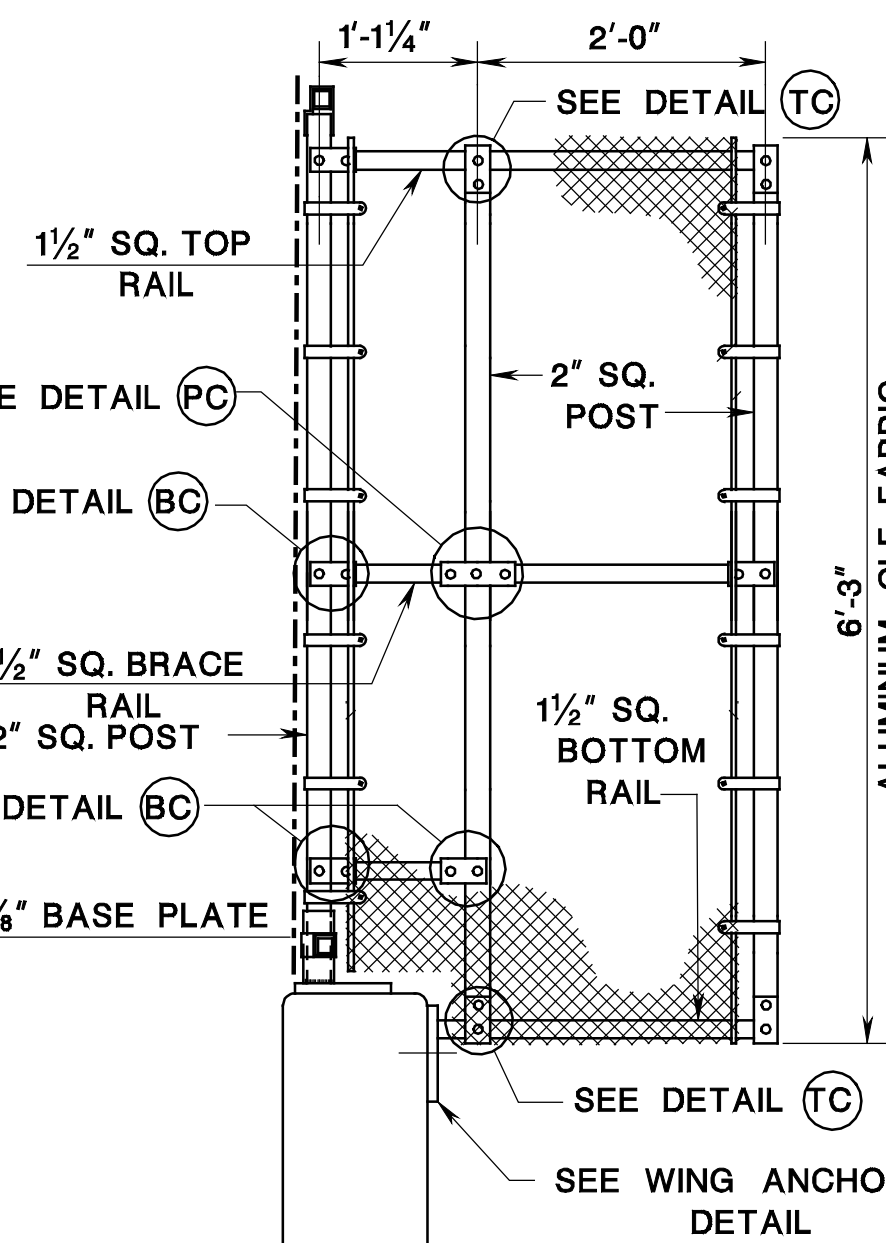
DETAIL PC



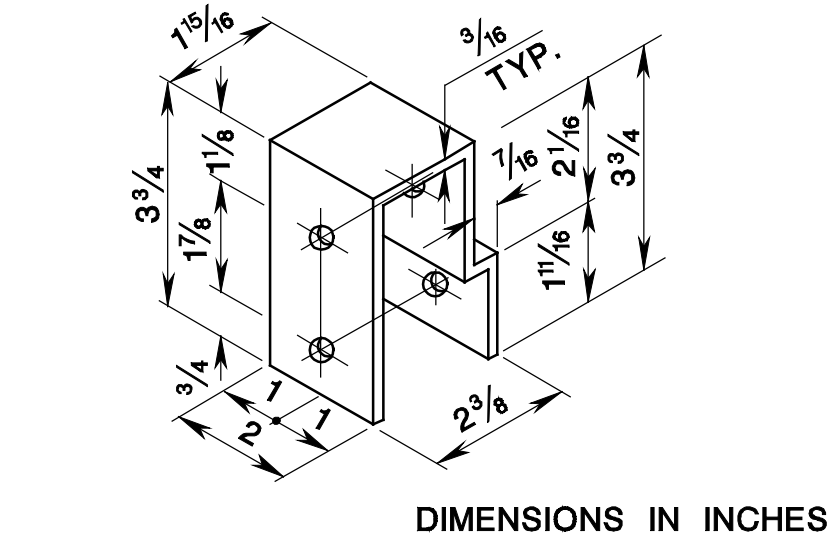
DETAIL EC & DETAIL BC



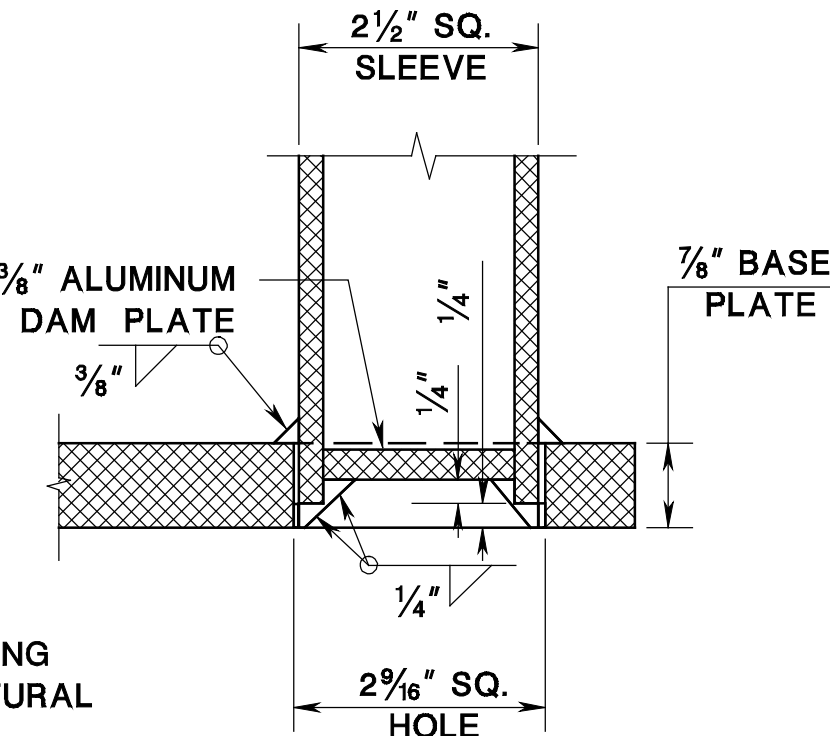
INTERIOR ELEVATION - PARAPET & CHAIN LINK FENCE



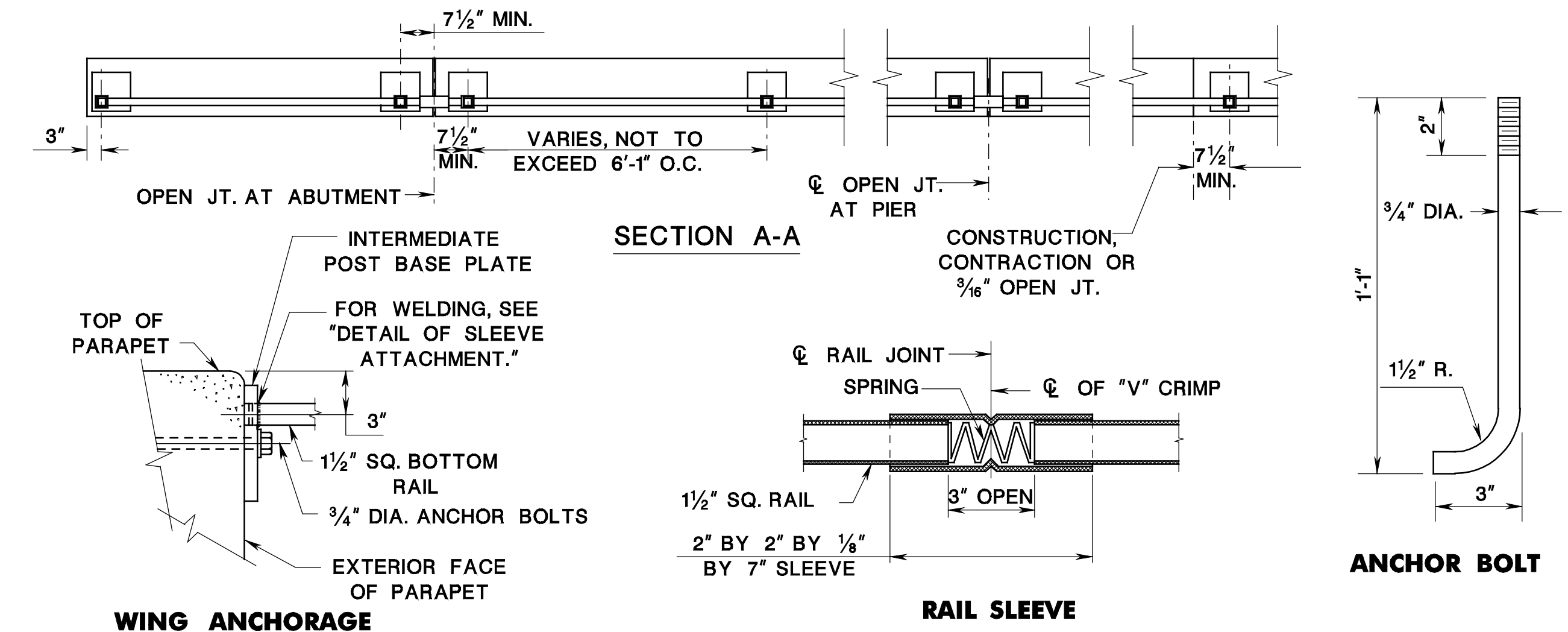
ELEVATION OF WING



DETAIL TC



DETAIL OF SLEEVE ATTACHMENT



WING ANCHORAGE

RAIL SLEEVE

ANCHOR BOLT

END POST BASE PLATE

INTERMEDIATE POST BASE PLATE

INTERIOR FACE OF PARAPET

DAM PLATE

3/8" DAM PLATE AT TOP OF ALL CLF POSTS & AT ALL EXPOSED RAIL ENDS.

NEW JERSEY DEPARTMENT OF TRANSPORTATION BUREAU OF STRUCTURAL ENGINEERING

BRIDGE CONSTRUCTION DETAILS

GENERAL NOTES:

- DESIGN CRITERIA: AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS.
- MAXIMUM DESIGN WIND VELOCITY: 80 MPH.
- WIND PRESSURE DRAG COEFFICIENT FOR MESH FROM FIG. 1-13, "WIND LOAD ON SCREENS", NAVDOCKS DM-2; DESIGN MANUAL, STRUCTURAL ENGINEERING.
- THE COMPONENT PARTS OF THE CHAIN LINK FENCING SHALL CONFORM TO THE MATERIAL REQUIREMENTS OF THE SPECIFICATIONS.
- ANCHOR BOLTS SHALL BE ASTM A 276, TYPE 302. ANCHOR BOLTS SHALL BE SET BY THE CONTRACTOR WITH 2" OF CLEAR THREADS, SET CLEAN.
- ALUMINUM SURFACES PLACED IN CONTACT WITH CONCRETE SHALL BE GIVEN A HEAVY COAT OF NON ALUMINUM EPOXY MASTIC PRIMER.
- BASE PLATES FOR ALL CLF SHALL BE AS SHOWN, 7/8" THICK. (ALUMINUM ALLOY 6061-T6)
- FILLET WELD MATERIAL SHALL BE FILLER ALLOY ER 5356 OR ER 5556.
- POST SLEEVES SHALL BE 2 1/2" SQ., 7/32" WALL THICKNESS, ASTM B 221, AND SHALL BE WELDED TO BASE PLATE. (ALUMINUM ALLOY 6061-T6)
- POSTS SHALL BE 2" SQ., 1/4" WALL THICKNESS, ASTM B 221, TO BE SET PLUMB AND SPACED AS SHOWN ON PLANS FOR EACH STRUCTURE. (ALUMINUM ALLOY 6061-T6)
- SHIM MATERIAL SHALL BE USED WHERE NECESSARY FOR POST ALIGNMENT, ASTM B 209. (ALUMINUM ALLOY 1100-0)
- ALL HORIZONTAL RAILS (TOP, BOTTOM, BRACE) SHALL BE 1/2" SQ., 1/8" WALL THICKNESS. (ALUMINUM ALLOY 6061-T6)
- DAM PLATES, 3/8" THICK, WELDED TO CLOSE ALL EXPOSED ENDS OF RAIL TUBES AND TOP OF CHAIN LINK FENCE POSTS. (ALUMINUM ALLOY 6061-T6)
- BRACE RAILS SHALL BE INSTALLED AT END UNITS WHERE CLF FABRIC IS TENSIONED.
- RAILING EXPANSION SLEEVES SHALL BE 2" SQ. X 7" LONG, WITH HOT-DIP GALVANIZED SPRING IN SLEEVE, SPRING NOT TO EXCEED 1/2" FULLY COMPRESSED. RAIL ENDS TO BE 3" APART IN SLEEVE AT "V" CRIMP, (ALUMINUM ALLOY 6061-T6) ASTM B 221.
- STRETCHER BARS TO BE 1/4" BY 3/8". (ALUMINUM ALLOY 6061-T6)
- STRETCHER BAR BANDS TO BE 1/8" X 1" BEVELLED EDGES. (ALUMINUM ALLOY 6063-T6)
- FABRIC TIES SHALL BE #9 GAGE (0.148" DIA.). A MINIMUM OF ONE (1) COMPLETE TURN IS REQUIRED AT ENDS OF ALL TIES. (ALUMINUM ALLOY 6061-T6)
- CLF FABRIC SHALL BE #9 GAGE (0.148" DIA.) HAVING A 1" DIAMOND MESH, TOP AND BOTTOM SELVAGE TO BE KNUCKLED. FABRIC SHALL BE CONTINUOUS ACROSS ALL JOINTS.
- STRETCHER BAR BAND FASTENERS TO BE 3/16" DIA. BY 1/4" CARRIAGE BOLTS. (ALUMINUM ALLOY 2024-T4)
- STAKE EACH ANCHOR BOLT AT ONE (1) POINT ONLY.
- ALL HOLES IN CASTINGS SHALL BE 7/16" DIA. CASTINGS SHALL BE ALUMINUM TENZALOY ALLOY ZC81A, CONDITION T5. ALL CASTINGS SHALL BE DESIGNED TO ACCOMMODATE RAILS AT GRADES AS REQUIRED.
- AFTER ERECTION, ALL ANCHOR BOLT HOLES & SPACES BETWEEN BASE PLATES & CONCRETE SHALL BE THOROUGHLY CAULKED WITH AN ALUMINUM IMPREGNATED CAULKING COMPOUND CONFORMING TO FEDERAL SPECIFICATIONS TT-C-598B(2).
- AFTER ERECTION OF POSTS, DRILL 3/8" DIA. HOLE THROUGH POST SLEEVE AND POST, 1/2" ABOVE BASE PLATE FOR DRAINAGE. LOCATE HOLE PARALLEL TO FENCING.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS IN THE FIELD.
- WORKING DRAWINGS SHALL BE SUBMITTED ACCORDING TO THE NJDOT STANDARD SPECIFICATIONS.