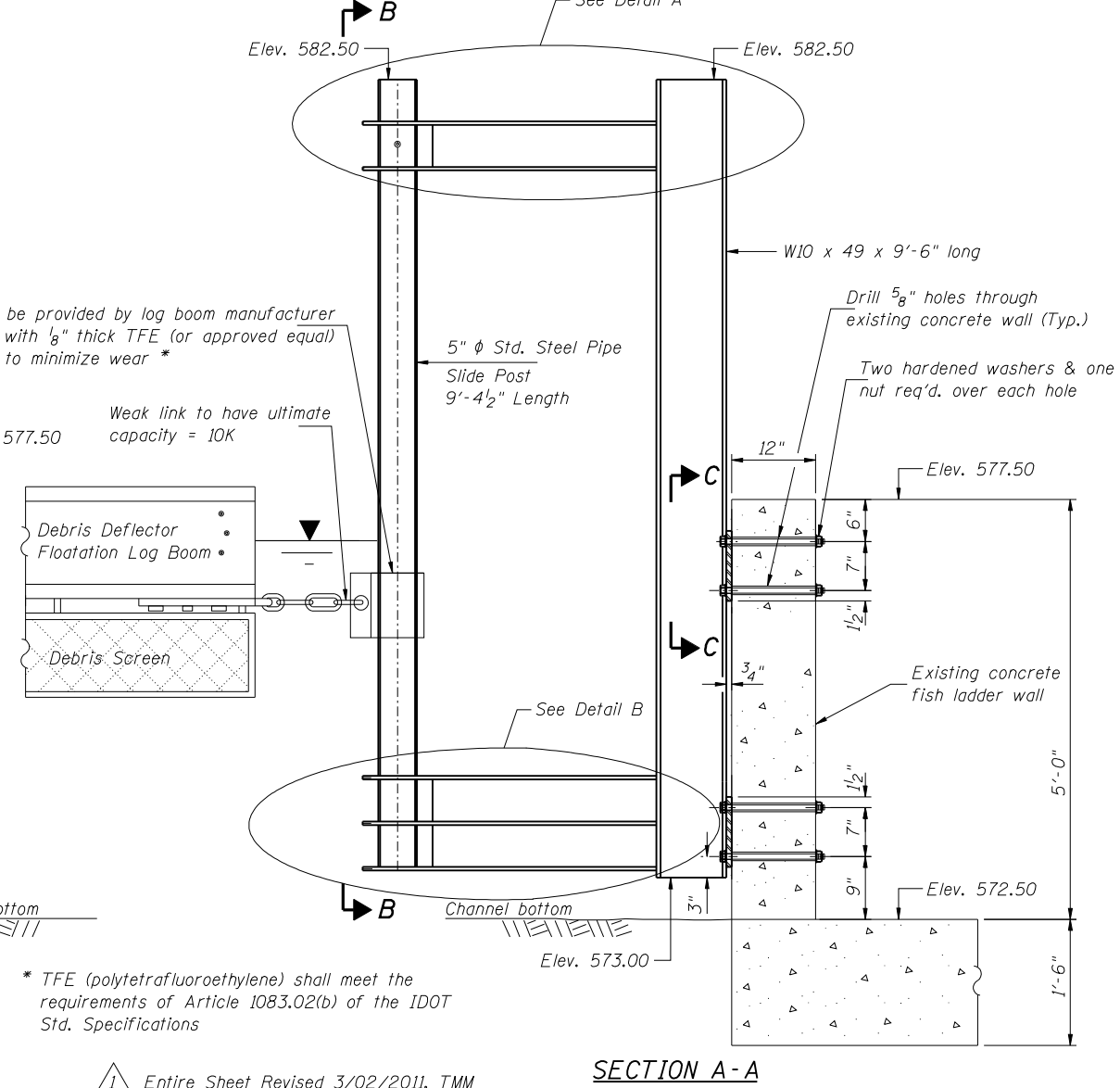
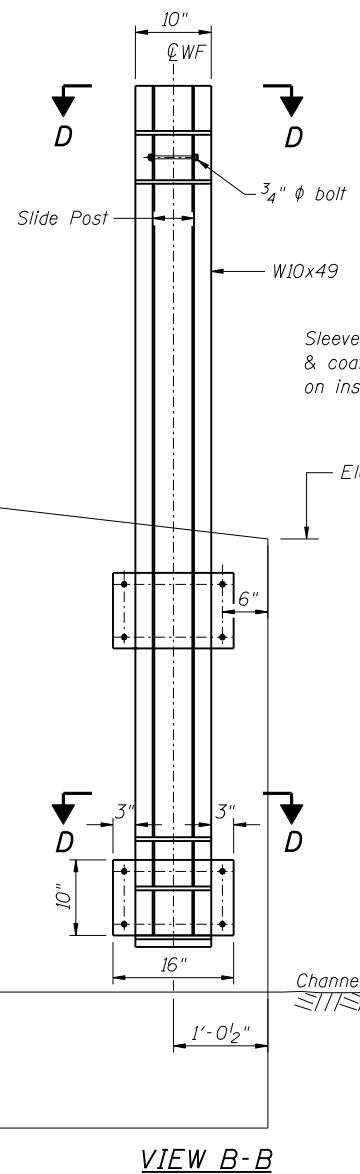
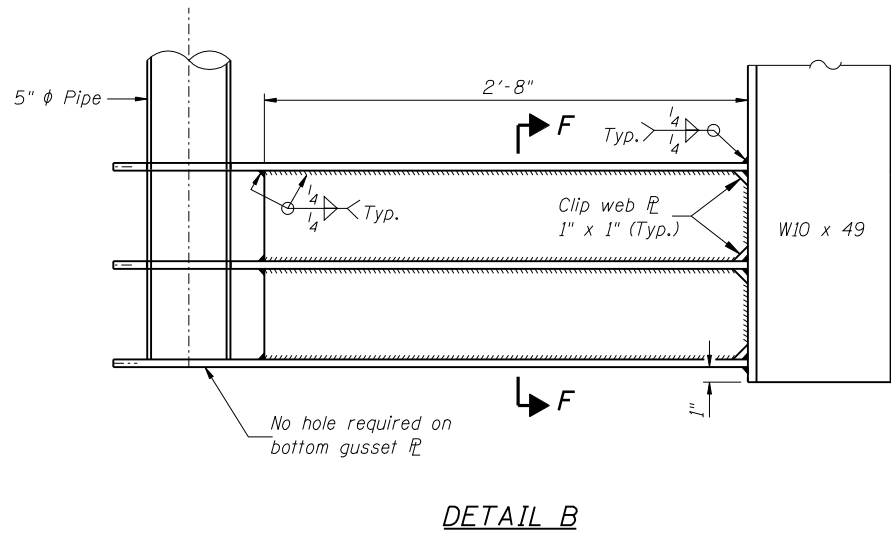
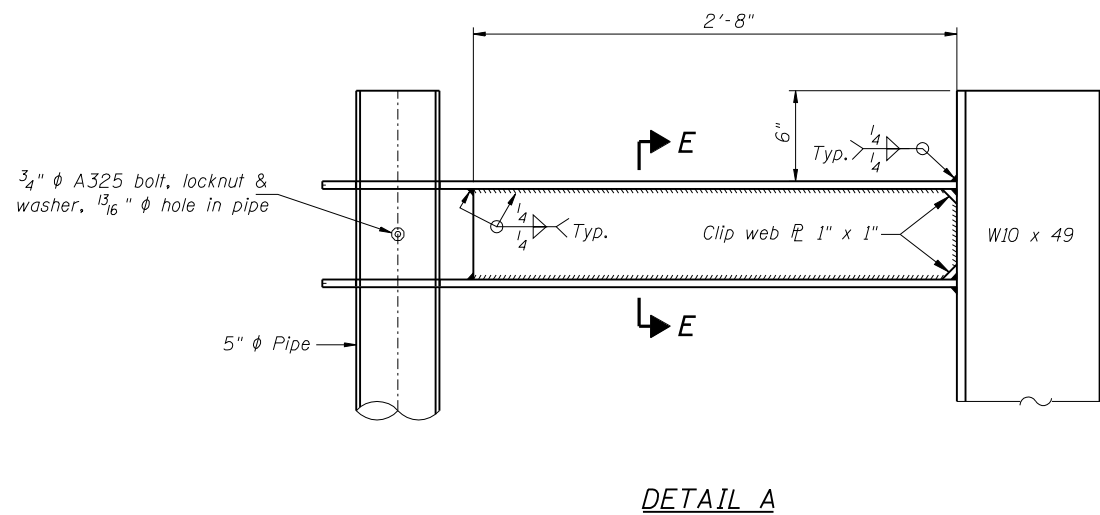
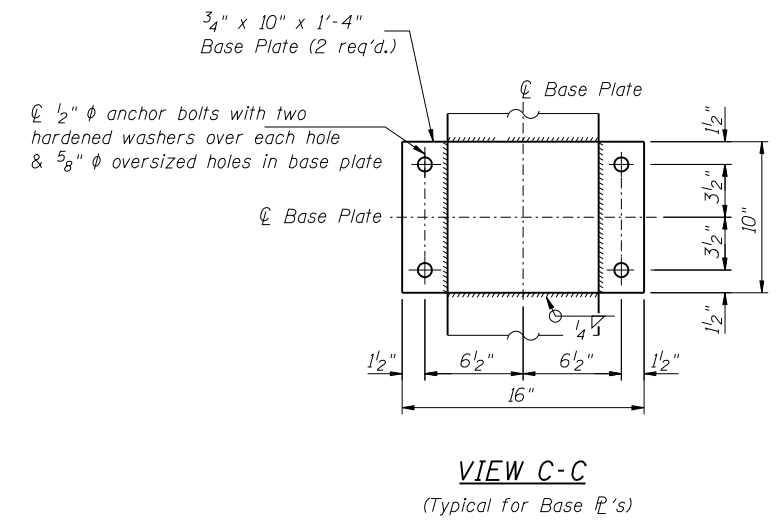
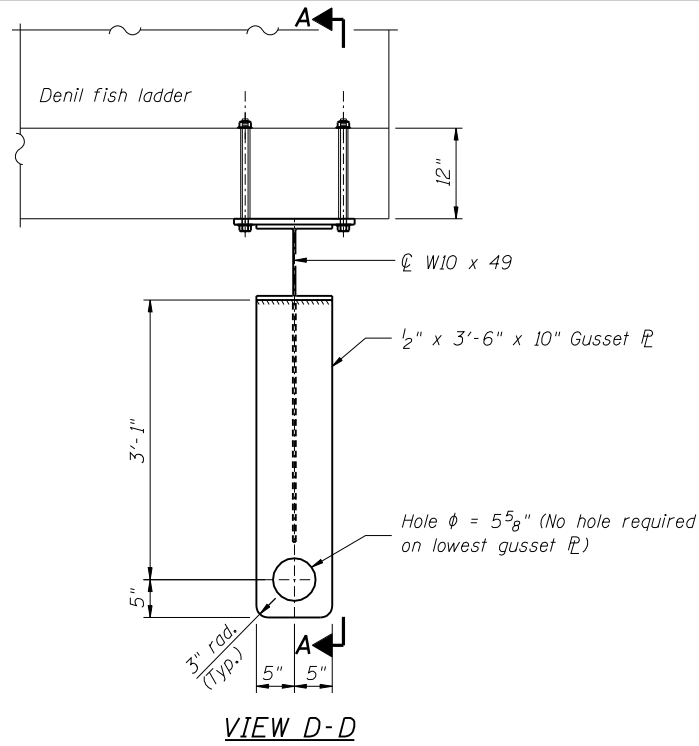
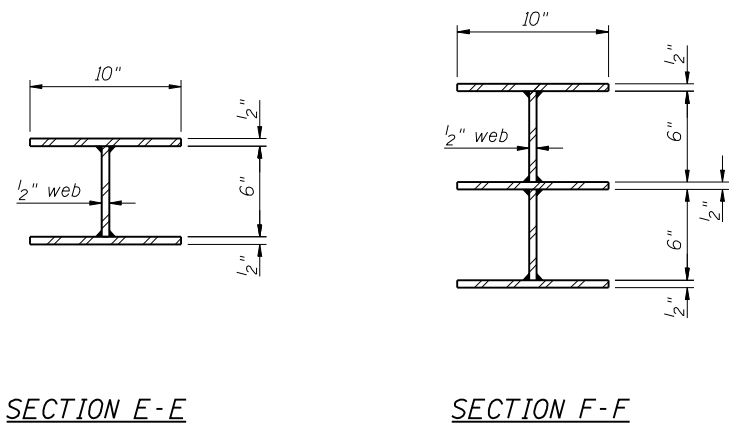


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DESIGNED BY: GMS
 CHECKED BY: IMM
 DRAWN BY: GMS
 CHECKED BY: IMM

- The anchor shall be a minimum of 6 feet below the ground surface after proof loading to 12 kips, and shall be a Manta Ray model MR-1 or approved equal.
 - This is the horizontal location and vertical elevation of a point on the anchor rod where it is estimated to enter the ground. The angle shown is the proposed vertical driving direction measured from a level (horizontal) plane. The horizontal direction/location is determined from the coordinates at each end of the anchor.
 - The anchor shall be a minimum of 5 feet below the ground surface after proof loading to 3 kips, and shall be a Manta Ray model MR-4 or approved equal.
 - The anchors shall be installed and proof loaded to 12 kips. They shall then be bridged together so that the load will be equally distributed to all the anchors. A lead shall then be attached to the bridge and proof loaded to 22.5 kips in the expected direction of resultant load from the boom line.
- Note: After the anchors have been installed and proof loaded, the boom logs shall be assembled and attached to the slide anchor at the fish ladder and to the main east anchor and adjusted to provide the required 10' sag. The flank boom shall then be attached to the anchor on the north end and to an appropriate link on the main boom line.



- NOTES:**
- Two hardened washers shall be required over all oversized holes.
 - All steel plates, shapes and pipe shall be hot dip galvanized after shop fabrication according to AASHTO M111. Paint is not permitted.
 - Contractor shall field check all pertinent existing dimensions shown on plans before submitting shop drawings.
 - All bolts, washers, nuts & locknuts shall satisfy the requirements of ASTM A325. All fasteners shall be hot dip galvanized per AASHTO M232 unless otherwise specified.
 - Estimated weight of structural steel = 1,070 pounds (for information only).
 - All work on sheets 18 & 19 to be paid for as Debris Deflector, Lump Sum.