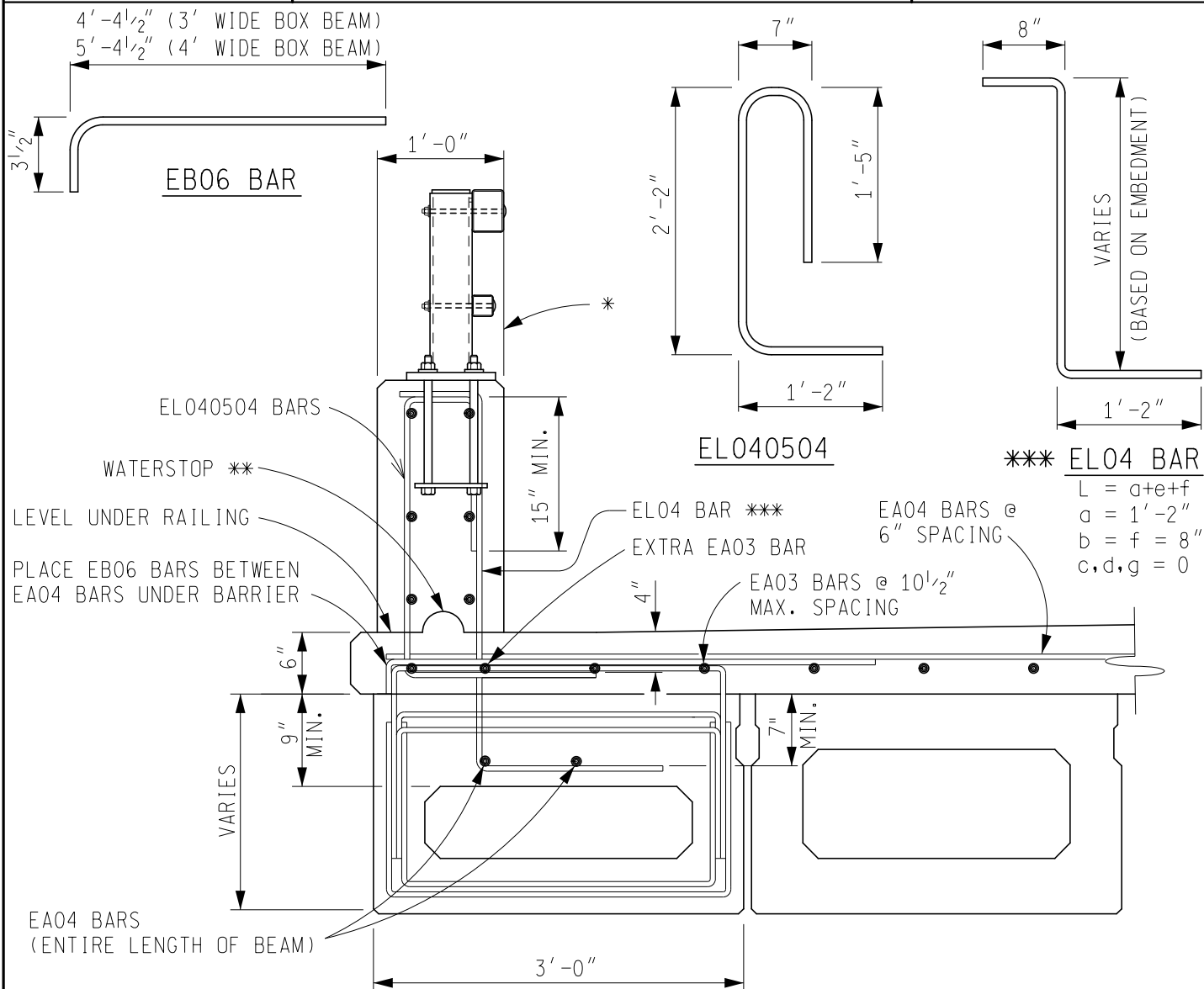


DRAWN BY: BLT
 CHECKED BY: VZ
 APPROVED BY: DAJ

MICHIGAN DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAY DEVELOPMENT
 AESTHETIC PARAPET TUBE RAILING ON
 PRESTRESSED CONCRETE BOX BEAM

ISSUED: 05/23/16
 SUPERSEDES: 02/27/12



BEAM DESIGN MUST BE CHECKED FOR ADDITIONAL DEAD LOAD AND POSSIBLE PULLOUT OF EL04 BAR.

FOR ANGLE OF CROSSING 70° TO 90° PLACE TRANSVERSE STEEL PARALLEL TO REF. LINE.

FOR ANGLE OF CROSSING < 70° AND SPAN LENGTH > DECK WIDTH PLACE TRANSVERSE STEEL ⊥ TO BRIDGE ☉.

FOR ANGLE OF CROSSING < 70° AND SPAN LENGTH < DECK WIDTH PLACE TRANSVERSE STEEL || TO REF. LINE.

PLACE LONGITUDINAL STEEL PARALLEL TO BRIDGE ☉ IN ALL CASES.

* PERPENDICULAR TO PLANE OF SLAB - NORMAL CROWN SECTION AND HIGH SIDE OF SUPERELEVATED SECTIONS.

VERTICAL - LOW SIDE OF SUPERELEVATED SECTIONS.

** 2" HIGH x 4" LONG (±). FORMING NOT REQUIRED.

FOR ADDITIONAL DETAILS OF BRIDGE RAILING, SEE STANDARD PLAN B-25-SERIES.

BARS WITH PREFIX "E" ARE TO BE EPOXY COATED.

PREPARED BY
 DESIGN DIVISION

6.29.10D