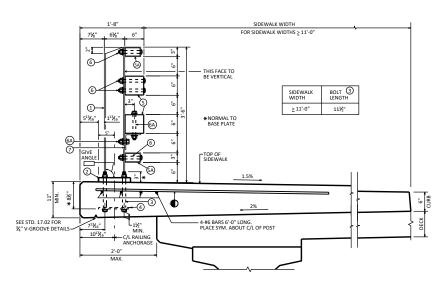


## SECTION THRU RAILING ON SIDEWALK



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## LEGEND

- W6 X 25 WiTh 1½" × 1½" HORIZONTAL SLOTTED HOLES ON EACH SIDE OF POST FOR BOLT NO. 6 AT TOP TWO RAILS. USE 1" DIA. HOLES FOR BOLT NO. 6 AT TOO. 5 AT FOR BOLT NO. 6 AT TOO. 5 AT FOR BOLT NO. 6 AT NO. 7 CUT BOTTOM OF POST TO MATCH CROSS SLOPE OF ROADWAY. PLACE POST VERTICAL. PLACE POSTS NORMAL TO GRADE LIBE.
- 2) PLATE  $1\frac{1}{4}$ " X 10" X  $1^{1}$ -2" WITH  $1\frac{1}{8}$ " X  $1\frac{7}{16}$ " SLOTTED HOLES FOR ANCHORS BOLTS NO. 3. WELD TO NO. 1 AS SHOWN. SLOTS PARALLEL TO SHORT SIDE OF PLATE.
- ③ ASTM A449 1" DIA. ANCHOR BOLTS WITH HEAVY HEX NUT AND 2" O.D.
  HARDENED WASHER (ALL GALVANIZED). 4 REQUIRED PER POST. THREAD 3" AND
  PLACE NORMALT OP HATE NO. 2. CHAMPER TO PO F BOLTS BEFORE THREADING.
  USE 11½" LONG BOLT FOR CONCRETE SIDEWALKS ≥ 11."0" WIDE AND SEE
  TABLE TO THE LEFT FOR CONCRETE SIDEWALKS ≥ 61."0" AND 11."0" WIDE
  FOR PROPER BOLT LENGTHS. USE 1."9" LONG IN ABUTMENT WINGS. (AN
  EQUIVALENT THREADED ROW WITH HEAVY HEX NUTS AND HARDENED
  WASHERS MAY BE SUBSTITUTED FOR ANCHOR BOLTS IN WINGS IF
  REQUIRED FOR CONSTRUCTABILITY.)
- ④ ¾" X 10" X 1'-2" ANCHOR PLATE (GALVANIZED) WITH 1⅓6" DIA. HOLES FOR ANCHOR BOLTS NO. 3.
- (A) TS 5 X 3 X ½" STRUCTURAL TUBING. USE 1" DIA. HOLES FOR BOLT NO. 6 IN TOP RAIL (FRONT & BACK). Use 1½" x 1½" HORIZONTAL SLOTTED HOLES FOR BOLT NO. 6 IN BOTTOM RAIL (FRONT & BACK) AND A 2" O.D. WASHER UNDER BOLT HEAD.
- (6) %" DIA. A325 SLOTTED ROUND HEAD BOLT WITH HEX NUT,  $\%_6$ " X 1%" X 1%" X 1%" X 1%" X 1%" X 10CK WASHER (2 REQUIRED AT RAIL TO POST LOCATIONS SHOWN).
- (A) ¾" DIA. A325 BOLT WITH HEX NUT AND SPRING LOCK WASHER {1 REQUIRED AT RAIL TO ANGLE AND 2 REQUIRED AT ANGLE TO POST LOCATIONS SHOWN WITH ¾,6" X 1¾" X 1¾" WASHER).
- ① L 5 X 5 X ¾" STRUCTURAL ANGLE. ATTACH TO NO. 1 AND NO. 5 AS SHOWN.
- #6 BARS X 12'-0" LONG. BEND AS SHOWN. TIE TO TOP OF MAT OF STEEL. (DESIGNER TO PLACE THESE BARS IN BILL OF BARS FOR SUPERSTRUCTURE.)

FOR ALL TUBULAR STEEL RAILING TYPE NY4 DETAILS SEE STD. 30.27.





APPROVED: Laura Shadewald

7-16