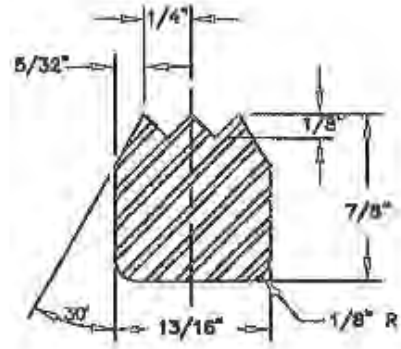
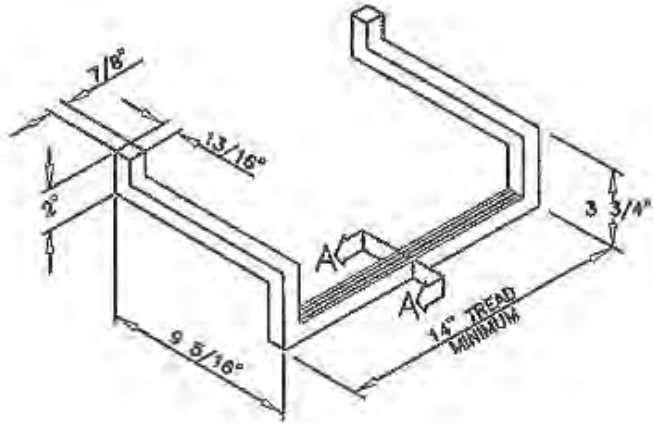
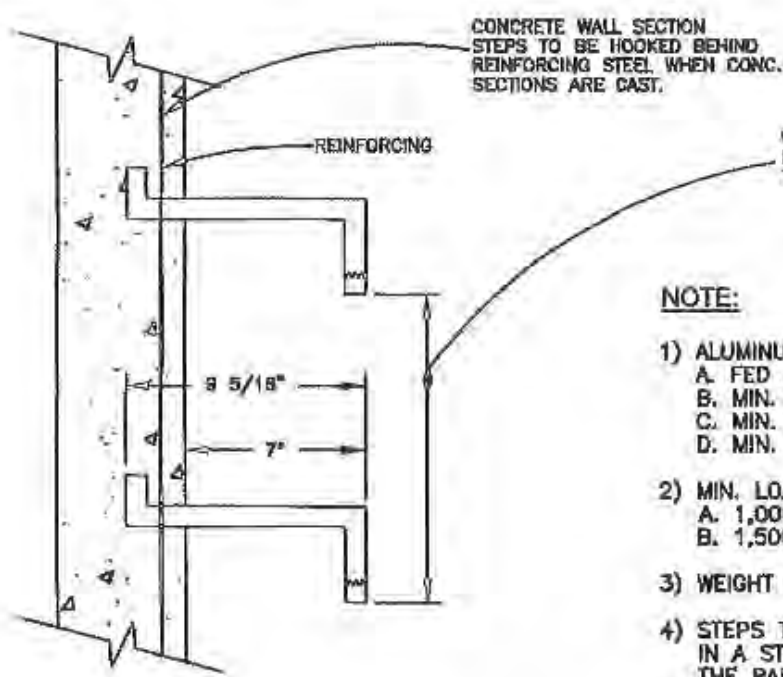


NOTE:

STEPS SHALL BE SIMILAR AND EQUAL TO COPOLYMER POLYPROPYLENE PLASTIC EQUAL TO M.A. INDUSTRIES MODEL PS2 - PF.



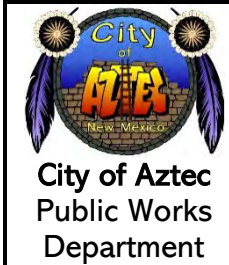
SECTION A-A



VERTICAL SPACING 12" TO 16 1/2" WITH BOTTOM STEP 8" ± ABOVE BENCH AND TOP STEP 18" MAX. BELOW RIM.

NOTE:

- 1) ALUMINUM ALLOY SPECIFICATIONS
 - A. FED SPEC. QQ - A - 200/B
 - B. MIN. TENSILE STRENGTH = 38,000 P.S.I.
 - C. MIN. YIELD STRENGTH = 35,000 P.S.I.
 - D. MIN. ELONGATION = 10% IN 2"
- 2) MIN. LOAD CAPACITY APPLIED CENTER OF STEP
 - A. 1,000 LB. WITH 6" PROJECTION FROM WALL
 - B. 1,500 LB. WITH 4" PROJECTION FROM WALL
- 3) WEIGHT PER STEP = 223 LBS.
- 4) STEPS TO BE CAST UNALTERED IN MANHOLE WALL IN A STRAIGHT LINE, VERTICALLY, AT THE SAME TIME THE BARREL OR CONE SECTIONS ARE CAST.
- 5) THE PORTION OF THE STEPS EMBEDDED IN THE CONCRETE SHALL BE COATED WITH BITUMINOUS MATERIAL AS SPECIFIED OR APPROVED BY CONTRACTING OFFICER.



**STANDARD
MANHOLE STEPS**

CONSTRUCTION STANDARDS

STANDARD NO. SS-7

SHEET 1 OF 1

APP'D R. Salcido
DATE Oct. 11, 2023