



NOTES FOR CONCRETE STEPS:

1. CONCRETE: CEMENT CONCRETE CLASS 3000.
2. ALL STEPS: SAME DIMENSIONS, WITHIN 3/8" MAXIMUM DIFFERENCE.
3. RISERS: 7 1/2" MAXIMUM, 5" MINIMUM.
4. TREADS: 12" MAXIMUM, 11" MINIMUM, WITH TRANSVERSE 0.01 FT./FT. SLOPE.
5. METAL HANDRAIL REQUIRED FOR 4 STEPS OR MORE. SEE NOTES BELOW.
6. REINFORCING BARS SHALL MEET THE REQUIREMENTS OF ASTM A-615, GRADE 60 AND ARE REQUIRED FOR 4 STEPS OR MORE.
7. MAXIMUM VERTICAL DISTANCE BETWEEN LANDINGS IS 12'.

NOTES FOR HANDRAILS:

1. GALVANIZED STEEL OR ALUMINUM.
2. 1 1/4" TO 2" O.D. ROUND OR OVAL PIPE.
3. WELDED, WITH SMOOTH SURFACE AND JOINTS.
4. POSTS SET IN MINIMUM 6" CONCRETE CLASS 3000.



PUBLIC WORKS
DEPARTMENT

CONCRETE STEPS AND METAL HANDRAIL

DWG.
NO. 3-25