SECTION 05 50 00
METAL FABRICATIONS

PART 1  GENERAL

1.01  APPLICATOR QUALIFICATION/CERTIFICATION
   A.  All welders to be employed in the work shall have AWS qualification verified within the previous 12 months.

1.02  SPECIAL PERMITTING REQUIREMENTS
   A.  Hotwork requirements are identified in the General Conditions of the Contract for Construction.

PART 2  PRODUCTS

2.01  MATERIALS
   A.  Specify all materials used in metal fabrications including:
      1.  Materials.
      2.  Gauges.
      3.  Finish (where appropriate).
      4.  ASTM standards.
      5.  “Pot metal” (cast zinc) is prohibited.
   B.  Trench covers: 3/16" (minimum) diamond plate steel.
   C.  Stage dressing supports and other overhead open grids: 1" Unistrut.
   D.  Grout:
      1.  Non-shrink, non-metalic.
   E.  Primers and protective coatings:
      1.  Shop-applied.
      2.  Do not apply primers to or galvanize areas to be welded.

2.02  RAILING FABRICATION
   A.  All railings shall terminate with a closure. Provide 90 degree bend and return to walls at all railing ends unless otherwise indicated.
   B.  Fabricate inside stair railings to return and connect to adjacent rails at landings.
   C.  Railings parallel to walls shall have a 1-1/2" minimum clear dimension between railings and walls.
   D.  Provide weep holes at the low point(s) of closed railing systems.
   E.  Exterior handrail vertical posts shall be installed using core drill and grout process.

PART 3  PART 3 – EXECUTION

3.01  GENERAL
   A.  Remove burrs and rough edges. Hem or tool exposed edges to prevent injury.
   B.  Conceal screws and bolts to the greatest extent possible.
   C.  Bollard installation:
      1.  Minimum embedment depth 3'-0" in concrete with 6" of concrete below embedment depth (regardless of embedment depth).
      2.  Foundation diameter shall be 8" greater than the diameter of bollard to be installed.