

**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) checker plate steel.
- C. Stage dressing supports and other overhead open grids: 1" Unistrut.
- D. Grout:
  - 1. Non-shrink, non-metallic.
- 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.

**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.

**END OF SECTION 05 50 00**