

Part I – General

1.1 Scope

A. Furnish letters and hardware necessary to install cast letters/logos, shown on drawings and herein specified.

1.2 Submittals

A. Manufacturer's illustrated product literature and specifications.

B. Installation instructions

1.3 Quality Assurance

A. Manufacturer to have a minimum of 20 years experience in manufacturing Letters/Logos.

B. All letters to be manufactured by one manufacturer.

Part II – Products

2.1 Acceptable Manufacturer or Manufacturer's Representative

A. Gemini Incorporated
103 Mensing Way
Cannon Falls, MN 55009
Phone: 800-538-8377 or 507-263-3957
Fax: 800-421-1256 or 507-263-4887
Email: sales@geminisignproducts.com
Web: www.geminisignproducts.com

2.2 Materials (Metal Alloys)

A. Aluminum – 514 Alloy.

B. Bronze – NAVY G (lead and mercury free bronze) alloy.

2.3 Finishes (meeting ASTM G4A specifications)

A. Aluminum (Alloy #514)

1. Brushed: belt sanded faces to a standard #2-#3 finish, (#4 finish optional), vertical grain direction (optional horizontal grain, random arc, or orbital sanded optional), bead-blasted returns, low-gloss clear powder coated, baked.

2. Painted: (standard or custom colors), belt sanded faces, liquid sprayed with a 2-part hardened polyurethane, bead-blasted returns, baked.

3. Clear Anodized: belt sanded faces, bead-blasted returns, anodized to meet A31 Aluminum Architectural Class II anodized finish (.4-.7 mil), no clear coat.

4. Gold Anodized: belt sanded faces, bead-blasted returns, anodized to meet A43 Aluminum Architectural Class I anodized finish (.7-1 mil), no clear coat.

5. Medium Bronze Anodized: belt sanded faces, bead-blasted returns, anodized to meet A44 Aluminum Architectural Class I anodized finish (.7-1 mil), no clear coat.

6. Dark Bronze Anodized: belt sanded faces, bead-blasted returns, anodized to meet A44 Aluminum Architectural Class I anodized finish (.7-1 mil), no clear coat.

7. Black Anodized: belt sanded faces, bead-blasted returns, anodized to meet A44 Aluminum Architectural Class I anodized finish (.7-1mil), no clear coat.

8. Buffed (near-polish #6-#7 finish): buffed faces, bead blasted returns, sprayed with 2-part hardened clear polyurethane, baked.

9. Rust Powder coated: belt sanded faces, bead blasted returns, powder coated with Rust color paint, baked.

B. Bronze (NAVY G Alloy – lead & mercury free)

1. Brushed: belt sanded faces, #2-#3 finish (#4 optional), vertical grain direction standard (horizontal optional), bead- blasted returns, sprayed with 2-part hardened acrylic polyurethane low-gloss clear coat, baked.

2. Polished US9 Finish: polished face — #8 Finish, bead-blasted returns, 2-part hardened acrylic polyurethane gloss clear coat, baked.

3. Oxidized US10B Finish: belt sanded face, bead-blasted returns, oxidized as Light, Medium or Dark Bronze, sprayed with 2-part hardened low-gloss acrylic polyurethane, baked.

4. Traditional or Turquoise Patina: belt sanded face, chemically treated to create patina look (finish varies from letter to letter, not uniform), clear coated, baked.

2.4 General Construction

A. Gemini cast Aluminum/Bronze Letters & Logos - in one of multiple company foundries.

B. Cast Letters are sand cast from standard pattern styles or custom produced per customer's vectorized art files.

C. Cast Letters are hand finished per order, per customer specifications. Face grain direction is standard at vertical – horizontal grain direction is optional.

2.5 Mounting Hardware & Options

A. Blind stud standard, available aligned for Brick, Block, Rail. Optional Double Rail, Top or Bottom Rail, Top or Bottom Stud.

B. Letters under 15", drilled & tapped for 10-24 studs. Thin strokes, 6-32 or 4-40 studs.

C. Letters 15"+, drilled & tapped for 1/4-20 studs (Aluminum studs with Alum letters, StainlessSteel studs with Bronze letters).

D. Metal spacer sleeves available upon request.

2.6 Manufacture

- A. Cast metal letters shall be made of _____.
- B. Letter shall be _____ letter style and shall be _____ inches high, as indicated on the drawings.
- C. Finish shall be _____.
- D. Mounting shall be _____ and a mounting template designating stud locations is/is not required for mounting on a _____ surface.

Part III – Execution**3.1 Installation**

- A. A qualified installer shall install cast letters. Additional structural support may be required for larger/heavier Letters/Logos.

3.2 Warranty

- A. Letters should be guaranteed for the life of the business against defects.

3.3 Maintenance

- A. Cleaning of Letters/Logos as needed, per manufacturer's recommendations.