

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

1. Brushed, #514 Alloy, sanded 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), #514 Alloy, sprayed with a 2-part hardened polyurethane, bead-blasted returns, baked.

3. Clear Anodized, #514 Alloy, bead-blasted returns, anodized to meet A31 Aluminum Architectural Class II anodized finish (.4-.7 mil), no clear coat.

4. Gold Anodized, #514 Alloy, bead-blasted returns, anodized to meet A43 Aluminum Architectural Class I anodized finish (.7-1 mil), no clear coat.

5. Medium Bronze Anodized, #514 Alloy, bead-blasted returns, anodized to meet A44 Aluminum Architectural Class I anodized finish (.7-1 mil), no clear coat.

6. Dark Bronze Anodized, #514 Alloy, bead-blasted returns, anodized to meet A44 Aluminum Architectural Class I anodized finish (.7-1 mil), no clear coat.

7. Black Anodized, #514 Alloy, 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), #514 Alloy, bead blasted returns, buffed, sprayed with 2 -part hardened clear polyurethane, baked.

9. Rust Powder coated, #514 Alloy, bead blasted returns, powder coated Rust color, baked.

B. Bronze

1. Brushed, NAVY G Alloy, #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 (available as standard or dark oxidized), bead-blasted returns, sprayed with 2-part hardened low-gloss acrylic polyurethane, baked.

4. Traditional or Turquoise Patina (finish varies from letter to letter, not uniform), clear coated, baked.

2.4 General Construction

A. Gemini pours its own cast Aluminum & Bronze Letters & Logos in one of multiple 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 sanded 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.