

Part I – General

1.1 Scope

A. Furnish plaques and hardware necessary to install metal plaques 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 10 years experience in manufacturing plaques.

B. All plaques 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: 877-877-2922 or 507-263-3957

Fax: 800-627-8547 or 507-263-4887

Email: sales@geminiplaques.com

Web: www.geminiplaques.com

2.2 Materials (Metal Alloy options)

A. Bronze (C22000 Prec. Tooled or Cast NAVY G Alloy)

B. Aluminum (#5052 Prec. Tooled or 514 Cast Alloy)

C. Brass (C46400) Precision Tooled

D. Copper (C11000) Precision Tooled

E. Stainless Steel (304 & 316 Alloy) Precision Tooled

2.3 Process Options

A. Precision Tooled Plaques

1. Available in Bronze (Lead free), Aluminum, Brass (Lead free), Copper.

2. Plaque Thickness (gauge) 1/8", 1/4", 5/16" (varies by size/material) Up to 40" x 64" as a single piece.

3. Standard Bronze Precision Tooled plaques are made from 1/4"-5/16" thick material (based on size); standard Aluminum Precision Tooled plaques are made 5/16" thick.

Deeper plaques are available on request or as Cast. Double-sided plaques available (max. 26" x 50").

4. Standard borders: No border, No border bevel, Single Line, Single Line Bevel, Single Line Wide Bevel, Double Line, Double Line Bevel, Double Line Wide Bevel, Inset Single Line, Inset Single Line Bevel, Inset Double Line, Inset Double Line Bevel, Projected Bevel or custom per art.

5. Common background colors: Black, Dark Oxide, Brown, Duranodic Bronze or custom color match.

6. Raised copy is standard with a horizontal brushed grain (vertical optional).

7. Background textures: Leatherette, Stipple, Sand, or Pebble.

8. Clear coat options: Semi-Gloss is standard; Gloss or Matte are available upon request.

9. Specialty Bronze finishes: Verde Patina, Turquoise Patina, Green Patina, Light Oxidized, Oxidized, Dark Oxidized, or Raised Polished copy.

10. Standard mounting options: Blind Mount, Solid Wall Mount, Hollow Wall Mount, Wood Mount, Post Cap, Garden Stake or Post Mount.

11. Optional Rosettes per catalog. Sizes per catalog.

12. Squares, rectangles or custom shapes and logos available.

13. Available with inserts: Etched, Cast, Ceramic, Giclée or Laser Engraved.

A. Cast Architectural Plaques

1. Available in Bronze (No Lead NAVY G) or Aluminum 514 Alloy.

2. Plaque depth based on shape and size. Deeper cast plaques are available.

3. Standard borders: No border, No border bevel, Single Line, Single Line Bevel, Single Line Wide Bevel, Double Line, Double Line Bevel, Double Line Wide Bevel, Inset Single Line, Inset Single Line Bevel, Inset Double Line, Inset Double Line Bevel, Projected Bevel or custom per art..

4. Common background colors are: Black, Dark Oxide, Brown, Duranodic Bronze or custom color match.

5. Raised copy is standard with a horizontal brushed grain (vertical optional).

6. Background textures are: Leatherette, Stipple, Sand, Pebble or Classic Leather (28" x 48" max.).

7. Clear Coat options: Semi-Gloss is Standard, . Gloss and Matte are available upon request.

8. Specialty Bronze finishes: Verde Patina, Turquoise Patina, Green Patina, Light Oxidized, Oxidized, Dark Oxidized, or Polished raised copy.

9. Standard mounting options are: Blind Mount, Solid Wall Mount, Hollow Wall Mount, Wood Mount, Post Cap, Garden Stake, and Post Mount
10. Optional Rosettes per catalog. Sizes per catalog.
11. Squares, rectangles or custom shapes and logos are available.
12. Available with inserts: Etched, Cast, Ceramic, Giclée or Laser Engraved.

C. Etched Architectural Plaques

1. Available in Bronze (C22000), Brass (C46400), Copper (C11000) and Stainless Steel (C304 & 316 Alloys).
2. Etched Plaque depths: 1/16", 1/8", 3/16" and 1/4".
3. Edges: Square Edge (standard), Bevel Edge.
4. Common background is Brushed (horizontal standard) or polished.
5. Recessed or Raised copy options. Photo etch is optional.
6. Clear coat options: Semi-Gloss (standard) optional Gloss or Matte.
7. Standard mounting options are: Blind Stud Mount, Stud Boss Mount, Double Faced Tape Mount, Through-hole Mount.
8. Optional Rosettes per catalog. Sizes per catalog.

D. Wayfinding Plaques

1. Multiple Wayfinding Options
 - a. Laser Engraved Anodized Aluminum
 - b. Full Color ADA, 1/18" thick machined, brushed copy with Painted Background.
 - c. Full Color ADA 1/18" thick machined, raised copy with Giclée painted background.
 - d. Full Color ADA, printed Giclée panels, multiple gauge aluminum options.
 - e. Standard ADA compliant directional signage with raised copy and solid Braille machined into plaques. Standard 7" x 8-1/2" x 1/4" thick in Aluminum, Bronze and Brass. Stipple or Sand background painted any standard or custom color
 - f. Beveled edge injection-molded plaque frames-multiple sizes and profiles per catalog.

2.4 Mounting Hardware

- A. Hardware and instructions are provided for several mounting methods, including Blind Mount(A), Solid Wall Mount(B), Hollow Wall Mount(C.), Wood Wall Mount(D), Garden Stake Mount(E) and Square Post Mount(F). and Post Cap(R.). Hardware type & size, based on plaque type and size.

2.5 Manufacture

- A. Plaques shall be made of either Bronze (220 Commercial) Aluminum (#5052) or Brass (C46400).
- B. Plaques shall use _____ letterstyle with letters that are ____ inches high, as indicated on the drawings.
- C. Mounting shall be _____

Part III – Execution

3.1 Installation

- A. A qualified installer shall install plaques. Additional structural support may be required for larger/heavier plaques.

3.2 Warranty

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

3.3 Maintenance

- A. Cleaning of Plaques as needed, per manufacturer's recommendations.