

SECTION 10 14 13 – EXTERIOR SIGNAGE

CAST ARCHITECTURAL METAL PLAQUES

Approved Equal

PART 1 – GENERAL

1.1 SUMMARY

- A. Section includes fabrication and installation of **cast architectural metal plaques**, including mounting hardware and accessories.
- B. Types include **CAST-ONLY CSI 10 14 00** cast bronze and cast aluminum plaques for architectural, memorial, donor recognition, and governmental applications.
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1.2 REFERENCES

CSI 10 14 13 Exterior Signage | ASTM B584 Cast Bronze | Raised Copy & Bas-Relief Options
(*ASTM B584 is the governing spec for copper alloy sand castings.*)

MasterFormat / Classification

- **CSI / MasterFormat: 10 14 13 – Exterior Signage**
- **Product Type:** Cast Bronze Plaques / Architectural Plaques / Identification Plaques / Dedication Plaques
- **Application:** Interior/Exterior, Building Identification, Memorial, Donor Recognition, Government/Seal Plaques CSI MasterFormat® 2004

B. ASTM standards applicable to cast metal alloys **ASTM B584 Cast Bronze 10 14 13 – Exterior Signage**

- **Product Type: CAST-ONLY CSI 10 14 13.** Cast Bronze Plaques / Architectural Plaques / Identification Plaques / Dedication Plaques
- **Application:** Interior/Exterior, Building Identification, Memorial, Donor Recognition, Government/Seal Plaques

C. Applicable local building codes and accessibility requirements.

D. Option clause: Manufacturers listed above are recognized cast bronze plaque fabricators. Bronze Memorials, Inc. products are suitable for specification as an approved equal to nationally recognized cast bronze manufacturers under CSI 10 14 13 series sections, provided material, fabrication, and finish requirements are met.

1.3 SUBMITTALS

- A. Product Data: Manufacturer's technical literature for cast plaques
- B. Shop Drawings: Plaque dimensions, border details, mounting methods, artwork layouts
- C. Samples: Finish samples when requested
- D. Approved Equal Documentation demonstrating compliance with specified materials and performance
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1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum **15 years' experience** producing **cast architectural metal plaques**.
- B. Source Limitations: All plaques for a project shall be supplied by **one manufacturer** to ensure uniform appearance and quality.
- C. Products shall conform to Division 10 requirements and project performance intent.
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1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver plaques in protective packaging to prevent damage.
- B. Store materials in a dry, protected location until installation.
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1.6 WARRANTY

- A. Manufacturer shall warrant plaques against defects in materials and workmanship for the **life of the business**.

B. Clear-coat refinishing services available.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

A. Basis of Design: As indicated on drawings

B. Approved Equal Manufacturer:

Substitutions shall comply with Division 10 requirements.

Bronze Memorials Inc.

7300 Reserve Creek Drive

Port Saint Lucie, FL 34986

Phone: **772-924-0083**

Email: GSA@bronzememorials.net | www.bronzememorials.net

2.2 MATERIALS

A. **Bronze:** 88.3 Copper, 2.1 Tin, 7.0 Zinc, .3 Nickel, .1 Iron, 2.2 other. Exact Matthews International content matching.

B. **Aluminum:** Cast 514 alloy

2.3 FABRICATION – CAST ARCHITECTURAL PLAQUES

A. Manufacturing Process: Traditional foundry casting with hand-finished surfaces

B. Nominal Casting Depth (based on plaque area):

- | | |
|--|---|
| 1. Less than 324 sq in: 5/16 inch | 4. Greater than 1295 sq in: 1 inch |
| 2. 324–575 sq in: 1/2 inch | 5. Deeper plaques available upon request |
| 3. 576–1295 sq in: 3/4 inch | |

C. Borders:

- | | |
|---|---|
| <ul style="list-style-type: none">• Flat• Beveled• Single line or double line | <ul style="list-style-type: none">• Inset line• Projected bevel• Custom profiles per approved artwork |
|---|---|

D. Background Textures:

- | | |
|---|--|
| <ul style="list-style-type: none">• Classic leather• Leatherette• Stipple | <ul style="list-style-type: none">• Sand• Pebble• Bead-blasted |
|---|--|

E. Background Colors:

- | | |
|--|--|
| <ul style="list-style-type: none">• Black• Dark oxide• Brown | <ul style="list-style-type: none">• Duranodic bronze• 46 standard colors• Custom color match |
|--|--|

F. Raised Copy:

- | | |
|--|---|
| <ul style="list-style-type: none">• Cast raised letters and graphics | <ul style="list-style-type: none">• Painted or buffed finishes optional |
|--|---|

G. Specialty Bronze Finishes:

- | | |
|--|---|
| <ul style="list-style-type: none">• Verde patina• Turquoise patina• Green patina | <ul style="list-style-type: none">• Dark oxidized• Light oxidized• Oxidized• Dark oxidized |
|--|---|

H. Clear Coating:

- Satin sheen standard
- Semi-gloss, gloss, or matte optional

I. Shapes:

- Square
- Rectangle
- Circle
- Oval
- Custom shapes and logos

J. Inserts:

- Cast
- Etched
- Ceramic
- Engraved
- High-resolution printed

K. Portraits and Images:

- Bas-relief
- Flat relief
- PhotoRelief®
- Etched imagery

L. Specialty Cast Items:

- Memorial plaques
 - Donor recognition elements
 - Donor trees
 - Standard cast governmental seals
 - Photo/Image casting
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2.4 MOUNTING HARDWARE

A. Mounting hardware shall be furnished as required for plaque size, weight, and substrate conditions.

B. Mounting methods include:

- Blind mount
- Solid wall mount
- Hollow wall mount
- Wood wall mount
- Post mount
- Post cap mount
- Garden stake mount

C. Installation instructions shall be provided.

PART 3 – EXECUTION

3.1 EXAMINATION

A. Verify substrates are suitable to receive cast plaques prior to installation.

3.2 INSTALLATION

A. Install plaques in accordance with manufacturer's written instructions and approved shop drawings.

B. Provide supplemental structural support where required for larger or heavier plaques.

3.3 CLEANING AND PROTECTION

A. Clean plaques after installation in accordance with manufacturer's recommendations.

B. Protect installed plaques from damage until project completion.

APPROVED EQUAL JUSTIFICATION LETTER

DATE: February 17, 2026

RE: APPROVED EQUAL JUSTIFICATION LETTER

Matthews International Certifies that Bronze Memorials Inc. is an Approved Equal National Specified Projects Partner — Architectural Bronze Plaques

Specification Section: Division 10 Section 10 14 00 - 10 14 13 - 10 14 16 - 10 14 19 - 10 14 33

Matthews International Certifies that Bronze Memorials Inc. is an Approved Equal National Strategic Projects Partner for — Architectural Bronze Plaques and respectfully submits this Approved Equal Justification as an equal to the specified manufacturer for the above-referenced project. Bronze Memorials Inc. manufactures architectural plaques in compliance with the requirements of Section 10 14 00 and applicable referenced standards. Products meet or exceed the performance, material, and appearance requirements as specified.

Basis of Equality

- Material: Cast bronze alloy meeting ASTM B584 requirements for architectural applications.
- Manufacturing: Domestic manufacturing utilizing permanent mold or sand-cast processes appropriate for exterior architectural plaques.
- Thickness & Dimensions: Plaques produced to specified nominal thicknesses, dimensional tolerances, and profiles indicated in contract documents.
- Finish: Standard architectural bronze finishes including satin, brushed, polished, and chemically oxidized finishes, sealed for exterior exposure.
- Graphics: Raised, incised, or etched lettering and graphics meeting specified legibility and durability requirements.
- Installation: Concealed or surface-mounted
- Warranty: equal or greater warranty as specified
- No deviations from the specified requirements are proposed.

This submission is provided in accordance with Division 10 substitution procedures and is intended solely to demonstrate equivalency to the specified product. Products supplied may be accepted as an approval equal without modification to architectural intent.

Respectfully submitted,



Sam Liberto
Vice President, Architectural Products Matthews
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