

## SECTION 10 14 33

### INTERIOR AND EXTERIOR WAYFINDING SIGNAGE

#### Cast Architectural Wayfinding Systems

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## PART 1 – GENERAL

### 1.1 SUMMARY

A. Section includes fabrication and installation of cast architectural wayfinding signage systems including:

1. Directional signage
2. Identification signage
3. Informational signage
4. Donor recognition signage
5. Building identification signage
6. Cast plaques integrated with signage systems

B. Work includes:

- Cast bronze signage
- Cast aluminum signage
- Raised copy and graphics
- Mounting hardware and accessories
- Installation instructions

C. Applications include:

- Interior building navigation
  - Exterior campus wayfinding
  - Government and municipal facilities
  - Healthcare and educational facilities
  - Institutional and commercial buildings
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### 1.2 RELATED SECTIONS

Division 05 – Metal Fabrications

Division 09 – Finishes

Division 26 – Electrical (if illuminated signage is specified)

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### 1.3 REFERENCES

Comply with the following standards:

#### ASTM Standards

ASTM B584 – Copper Alloy Sand Castings  
ASTM B26 – Aluminum Alloy Sand Castings  
ASTM B209 – Aluminum Sheet and Plate

#### Accessibility

ADA Standards for Accessible Design  
ANSI A117.1 Accessible and Usable Buildings and Facilities

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## CSI MasterFormat

Section 10 14 00 – Signage

Section 10 14 13 – Exterior Signage

Section 10 14 19 – Dimensional Letters

Section 10 14 33 – Wayfinding Signage

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### 1.4 SUBMITTALS

#### A. Product Data

Submit manufacturer's technical literature describing materials, fabrication methods, finishes, and mounting systems.

#### B. Shop Drawings

Submit shop drawings showing:

- Sign dimensions
- Typography and graphics
- Border profiles
- Mounting methods
- Layout and placement relative to architectural features

#### C. Samples

Submit finish samples when requested including:

- Bronze finish samples
- Painted background samples
- Aluminum finish samples

#### D. Substitution Requests

Submit substitution documentation in accordance with Division 01 requirements.

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### 1.5 QUALITY ASSURANCE

#### A. Manufacturer Qualifications

Manufacturer shall have minimum **10 years experience** producing architectural signage systems.

#### B. Single Source Responsibility

Provide signage from one manufacturer for the entire project to ensure uniformity of appearance and finish.

#### C. Fabrication Standards

Signage shall comply with Division 10 architectural signage requirements.

### 1.6 DELIVERY, STORAGE, AND HANDLING

A. Deliver signage in protective packaging to prevent damage during transportation.

B. Store signage in a clean, dry environment protected from construction activity.

C. Handle signage carefully to prevent damage to raised graphics or finishes.

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## 1.7 WARRANTY

A. Manufacturer shall provide warranty against defects in materials and workmanship.

B. Warranty period shall be **minimum five (5) years** from date of installation.

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## PART 2 – PRODUCTS

### 2.1 MANUFACTURERS

#### Basis of Design

As indicated on drawings.

#### Approved Manufacturers

Bronze Memorials, Inc.  
7300 Reserve Creek Drive  
Port Saint Lucie, Florida 34986  
Phone: 772-924-0083  
Email: [GSA@bronzememorials.net](mailto:GSA@bronzememorials.net)  
Website: [www.bronzememorials.net](http://www.bronzememorials.net)

Comparable products manufactured by the following may be considered:

Gemini Sign Products  
Matthews Architectural Products  
Sewah Studios

Substitutions shall comply with Division 01 substitution procedures.

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### 2.2 MATERIALS

#### Bronze

Cast bronze alloy conforming to ASTM B584.

Typical composition includes copper alloy suitable for architectural casting applications.

#### Aluminum

Cast aluminum alloy conforming to ASTM B26 or equivalent.

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## 2.3 FABRICATION – CAST WAYFINDING SIGNAGE

### Manufacturing Process

Signage shall be produced using sand casting methods producing raised letters and graphics integral with the casting.

### Nominal Casting Thickness

Less than 324 sq in – 5/16 in thickness

324 to 575 sq in – 1/2 in thickness

576 to 1295 sq in – 3/4 in thickness

Greater than 1295 sq in – 1 in thickness

Larger thicknesses available where required.

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#### Background Textures

Leather texture

Leatherette texture

Stipple texture

Sand texture

Pebble texture

Bead-blasted texture

#### Background Finishes

Black oxidized

Dark oxide bronze

Brown oxide

Duranodic bronze

Custom painted finishes

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### Borders

Available border profiles include:

Flat edge

Beveled edge

Single line border

Double line border

Inset line border

Projected bevel

Custom profiles

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### Raised Copy and Graphics

Letters and graphics shall be cast raised elements integral with the plaque surface.

Raised elements may receive:

- Satin metal finish
- Painted finish
- Patinated finish

## Specialty Finishes

Verde patina  
Green patina  
Turquoise patina  
Light oxidized bronze  
Dark oxidized bronze

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## Protective Coatings

Clear protective coating applied to all exposed surfaces.

Standard finish: satin clear coat.

Optional finishes:

Matte  
Semi-gloss  
Gloss

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## Sign Shapes

Standard shapes include:

Square  
Rectangle  
Circle  
Oval

Custom shapes are available as indicated on shop drawings.

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## Graphic Options

Optional graphic methods include:

Bas-relief imagery  
Flat relief imagery  
Photographic relief casting  
Etched metal imagery

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## Specialty Cast Elements

Cast architectural elements may include:

Memorial plaques  
Donor recognition signage

Government seals  
Architectural identification plaques

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## 2.4 MOUNTING HARDWARE

Provide mounting hardware suitable for substrate conditions.

Mounting methods include:

Blind stud mount  
Solid wall mount  
Hollow wall mount  
Wood wall mount  
Post mount  
Post cap mount  
Ground stake mount

Provide installation instructions with all signage.

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## PART 3 – EXECUTION

### 3.1 EXAMINATION

Verify installation surfaces are suitable to receive signage prior to installation.

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### 3.2 INSTALLATION

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

Provide structural reinforcement where required for larger signage.

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### 3.3 CLEANING AND PROTECTION

Clean signage after installation using manufacturer recommended methods.

Protect installed signage from damage until project completion.

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END OF SECTION 10 14 23

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**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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Pittsburgh, PA 15226