

SECTION 10 14 36

ELECTRONIC MESSAGE SIGNS (EMS)

Architectural Electronic Display Signage Systems

PART 1 – GENERAL

1.1 SUMMARY

A. Section includes fabrication and installation of electronic message signage systems including:

- Electronic message centers (EMC)
- LED display signage
- Programmable digital display panels
- Integrated monument and post & panel electronic signage
- Hybrid signage combining static and digital display elements

B. Work includes:

- Electronic display panels
- Structural sign enclosures and cabinets
- Mounting systems and supports
- Integrated static signage components
- Control systems and software interface (by others where specified)
- Coordination with electrical power supply

C. Applications include:

- Government and municipal facilities
 - Schools and universities
 - Healthcare facilities
 - Commercial and mixed-use developments
 - Religious and institutional facilities
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1.2 RELATED SECTIONS

- Division 03 – Concrete (foundations)
 - Division 05 – Metal Fabrications
 - Division 10 – Signage
 - Division 26 – Electrical (power and connections)
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1.3 REFERENCES

Comply with the following:

Electrical and Safety

- UL 48 – Electric Signs
- UL 8750 – LED Equipment for Use in Lighting Products

Environmental

- IP Ratings for enclosure protection
- NEMA Standards for electrical enclosures

Accessibility

- ADA Standards for Accessible Design (where applicable)

CSI MasterFormat

- 10 14 00 – Signage
 - 10 14 26 – Exterior Signage
 - 10 14 36 – Pylon and Monument Signage
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1.4 SUBMITTALS

A. Product Data

Submit manufacturer’s literature including:

- Display specifications
- Brightness and resolution
- Power requirements
- Control system description

B. Shop Drawings

Include:

- Overall sign dimensions
- Display area size and configuration
- Structural details and mounting
- Integration with static signage components
- Electrical coordination requirements

C. Samples

Submit finish samples for enclosures and structural components.

D. Operation and Maintenance Data

Submit:

- User manuals
 - Software interface information
 - Maintenance procedures
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1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications

Minimum 10 years experience in architectural signage and electronic display systems.

B. Single Source Responsibility

Provide electronic signage and structural components from one manufacturer.

C. Regulatory Compliance

Provide listed and labeled electrical components where required.

1.6 DELIVERY, STORAGE, AND HANDLING

- Deliver in protective packaging
 - Store in dry, protected environment
 - Protect electronic components from moisture and damage
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1.7 WARRANTY

Provide minimum five (5) year warranty covering:

- Structural components
 - Electronic display system (standard manufacturer warranty)
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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

Website: www.bronzememorials.net

Comparable products manufactured by the following may be considered:

- Watchfire Signs
- Daktronics
- Formetco
- YESCO Electronics
- Optec Displays

Substitutions shall comply with Division 01 requirements.

2.2 ELECTRONIC DISPLAY SYSTEMS

Display Type

- LED message centers
- Full-color or monochrome displays as specified
- Indoor or outdoor rated systems

Performance

- Brightness suitable for outdoor daylight visibility
- Automatic brightness adjustment
- Viewing angle appropriate for site conditions

Resolution

- Pixel pitch as required by viewing distance
- Minimum resolution as indicated on drawings

Cabinet Construction

- Aluminum or steel enclosure
 - Weather-sealed construction
 - Corrosion-resistant finish
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2.3 STRUCTURAL SIGN COMPONENTS

- Aluminum or steel structural framing
 - Integrated monument or post & panel systems
 - Sign cabinets designed for electronic display integration
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2.4 GRAPHICS AND STATIC COMPONENTS

- Cast or fabricated metal panels
 - Raised dimensional letters
 - Applied graphics
 - Integrated branding elements
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2.5 CONTROL SYSTEMS

- Software-based content management

- Remote programming capability
- Scheduling and message control features

(Control system may be provided by others where specified)

2.6 ELECTRICAL REQUIREMENTS

- Voltage as required by manufacturer
 - Internal wiring and components included
 - Field electrical connections by Division 26
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2.7 PROTECTIVE COATINGS

- Powder-coated or fluoropolymer finishes
 - UV-resistant coatings
 - Weather-resistant systems
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PART 3 – EXECUTION

3.1 EXAMINATION

Verify site conditions, power availability, and structural readiness prior to installation.

3.2 INSTALLATION

- Install signage plumb, level, and secure
 - Coordinate with electrical contractor
 - Verify proper operation of electronic display
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3.3 FIELD QUALITY CONTROL

- Test display functionality
 - Verify brightness and programming
 - Confirm proper operation of control systems
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3.4 CLEANING AND PROTECTION

- Clean all exposed surfaces
 - Protect system until project completion
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END OF SECTION 10 14 36

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 International
1 315 West Liberty Avenue
Pittsburgh, PA 15226