



## ETCHED PLAQUES by Matthews International

**Note:** These specifications were current at the time of publication but are subject to change without notice. Please confirm the accuracy of these specifications with the manufacturer and / or distributor prior to installation.

### SECTION 10 14 16 PLAQUES

*SPECIFIER NOTE: This product guide specification is written according to the Construction Specifications Institute (CSI) Format, including MasterFormat, SectionFormat, and PageFormat, as contained in the CSI Manual of Practice.*

*The section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building codes. Coordinate this section with other specification sections and the drawings.*

*Delete all italicized "Specifier Notes" when editing this section.*

*This section covers etched plaques manufactured by Matthews International. For assistance with specific product applications, please contact the manufacturer. Detailed technical information, including available sizes, may be obtained from the Matthews International corporate website at [www.matthewsid.com](http://www.matthewsid.com). Contact the manufacturer for additional information and for assistance in editing this section for your specific application.*

### PART 1: GENERAL

#### 1.1 Section Includes

- A. Etched Plaques

#### 1.2 Related Sections

*SPECIFIER NOTE: Edit the following list of related sections as required for the project. List other sections with work directly related to this section.*

- A. Section 09 70 00 – Wall Finishes
- B. Section 10 13 10 – Directories
- C. Section 10 13 23 – Panel Signage
- D. Section 10 14 20 – Dimensional Letters
- E. Section 10 14 26 – Post & Panel

#### 1.3 Submittals

- A. Comply with Section 01 33 00 - Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including installation instructions.
- C. Warranty: Submit manufacturer's standard lifetime warranty against defects in craftsmanship and materials.

#### 1.4 Quality Assurance

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum five years documented experience.
- B. Installer Qualifications: Minimum two years documented experience in work of this Section.

### **1.5 Delivery, Storage and Handling**

- A. Comply with manufacturer's recommendations for delivery, storage and handling.
- B. Deliver materials to site in manufacturer's original, unopened packaging, with labels clearly identifying product name, manufacturer, and location of installation. Upon delivery, materials shall be inspected for damage. Deficient materials shall not be used.
- C. Storage: Store materials in a clean, dry area indoors in accordance with manufacturer's instructions. Keep temporary protective coverings in place.
- D. Handling: Protect materials and finish from damage during handling and installation.

## **PART 2: PRODUCTS**

### **2.1 Manufacturer**

- A. Matthews International Corporation. 2 North Shore, Pittsburgh, PA 15212  
Phone: (412) 571-5500 Toll Free: 1-800-950-1317 Fax: 1-866-814-4028 Web:  
[www.matthewsid.com](http://www.matthewsid.com).

SPECIFIER NOTE: *Delete one of the following two paragraphs; coordinate with requirements of Division 1 on product options and substitutions.*

- B. Substitutions: Not permitted.
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

SPECIFIER NOTE: *Edit the following paragraphs as required to specify material and thickness applicable to the project. Delete those not required. Contact Matthews for other metals.*

### **2.2 Etched Plaques**

- A. Material and Thickness:
  1. [Aluminum Alloy 6061] [1/16"] [1/8"] [3/16"] [1/4"]
  2. [Brass 70/30] [1/8"] [3/16"] [1/4"]
  3. [Commercial Bronze 90/10] [1/8"] [3/16"] [1/4"]
  4. [Copper] [1/16"] [1/8"] [3/16"] [1/4"]
  5. [Muntz Metal 60/40] [1/8"] [3/16"] [1/4"]
  6. [Stainless Steel Alloy 304] [1/16"] [1/8"] [3/16"] [1/4"]
  7. [Optional Stainless Steel Alloy 316] [1/8"] [3/16"] [1/4"]
  8. [Zinc] [.064"] [.125"] [.153"] [.250"] (laminated)

SPECIFIER NOTE: *Matthews has the ability to etch up to 60" wide. Consult the manufacturer for assistance in determining optimum plaque width and height. In addition to square and rectangular sizes, etched plaques can be machined and/or cut into a variety of custom shapes to fit into virtually any design environment.*

B. Size: [ ] tall x [ ] wide x [ ] deep

SPECIFIER NOTE: *Standard bevel is 45° and is applied to one half the material thickness. A bevel the full thickness is not recommended due to sharp edges. Bevel edges are not available on 1/16" thick metal.*

C. Edge Options: [Square Edge] [45° Bevel Edge] [Eased/Rounded] [ ]

D. Corner Options: [Square Corners] [Radius Corners \_\_\_\_°][ ]

E. Finishes:

1. Recessed Areas:

- i. Painted (*specify color & placement*): [Light Oxide Stain] [Dark Oxide Stain] [Dark Green] [Metallic Grey] [Black] [Natural Sandblast] [Light Bronze] [Medium Bronze] [Dark Bronze][Golden Bronze] [Dark Brown] [Dark Grey] [Medium Grey] [Light Grey] [Beige] [Cream] [Ivory] [White] [Orange] [Dark Blue] [Medium Blue] [Light Blue] [Green] [Red] [Dark Red] [Maroon] [ ]
- ii. Natural (painted to match alloy)
- iii. Oxidized

2. Raised Areas:

- i. Aluminum [Brushed Satin (horizontal grain)] [Brushed Satin (vertical grain)] [Polished] [Random-Orbital (*non-directional*)]
- ii. Brass [Brushed Satin (horizontal grain)] [Brushed Satin (vertical grain)] [Polished] [Light Oxidized] [Medium Oxidized] [Dark Oxidized]
- iii. Commercial Bronze [Brushed Satin (horizontal grain)] [Brushed Satin (vertical grain)] [Polished] [Random-Orbital (*non-directional*)] [Light Oxidized] [Medium Oxidized] [Dark Oxidized] [Light Oxidized with Color Infill \_\_\_\_] [Medium Oxidized with Color Infill \_\_\_\_] [Dark Oxidized with Color Infill \_\_\_\_]
- iv. Copper [Brushed Satin (horizontal grain)] [Brushed Satin (vertical grain)] [Polished] [Random-Orbital (*non-directional*)] [Patina]
- v. Muntz Metal [Brushed Satin (horizontal grain)] [Brushed Satin (vertical grain)] [Polished] [Light Oxidized with Color Infill \_\_\_\_] [Medium Oxidized with Color Infill \_\_\_\_] [Dark Oxidized with Color Infill \_\_\_\_]
- vi. Stainless Steel [Brushed Satin (horizontal grain)] [Brushed Satin (vertical grain)] [Polished] [Random-Orbital (*non-directional*)]
- vii. Zinc [Silverstone] [Coppertone] [Bronzestone] [Nickelstone] [Brasstone] [Two Color Painted] [Stainless Steel Tone]

3. Edges: [Satin] [Polished] [Painted to match background] [Sandblast] [ ]

SPECIFIER NOTE: *Protective clear coatings are used on all metals except for stainless steel and Alloy 2024 polished aluminum. Coatings are available in gloss or semi-gloss. Interior or exterior installation should also be specified. Coatings for exterior installation are polyurethane-based, available in gloss or semi-gloss. If no clear coating is specified, the standard is gloss. Standard clear coating for ADA signage is semi-gloss.*

4. Clear Coating: [No Clear Coat] [Interior Gloss] [Interior Semi-Gloss] [Exterior Gloss] [Exterior Semi-Gloss]

F. Graphics

1. Lettering Recessed / Incised Standard Etching 0.010" to 0.020" [\_\_\_\_\_]
2. Lettering Recessed / Incised Standard Etching Shallow .003"-.007" [\_\_\_\_\_]
3. Lettering Raised / Relief Etching 0.20"

SPECIFIER NOTE: *Deep-Etching to comply with ADA requirements is 0.032" and may be accommodated, depending on the artwork, in all metals **except aluminum**.*

4. ADA Braille & Graphics Raised Deep Etching 0.032"
5. Stencil-Cut Graphics

G. Mounting Methods: [None] [Double Faced Tape] [Studs (Drill & Tap back)] [Studs (Weld to back)] [Silicone Mount] [Drill Holes (*specify: Quantity, Size, Location, and if Countersunk*) \_\_\_\_\_]

H. Typestyle: [Condensed] [Normal] [Expanded]

I. Letter style: [Times] [Helvetica] [Cheltenham] [\_\_\_\_\_] [Use submitted artwork]

J. Letter size: [Matthews Choice] [Match as closely as possible] [Exactly as noted]

K. Layout and Copy: [As indicated] [Center Copy] [Flush Left] [All Caps] [Upper/Lowercase] [Modify layout/line breaks (as needed)]

## PART 3: EXECUTION

### 3.1 Examination

- A. Site Verification of Conditions: Verify installation conditions previously established under other sections are acceptable for product installation in accordance with manufacturer's instructions.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

### 3.2 Installation

- A. Clean surfaces thoroughly prior to installation.
- B. Install plaque in accordance with manufacturer's instructions using mounting methods specified.
- C. Install plaque level, plumb, at heights and locations indicated.
- D. Install product at heights to conform to Americans with Disabilities Act Accessibility Guidelines (ADAAG) and applicable local amendments and regulations.

### 3.3 Cleaning, Protection & Repair

- A. Repair scratches and other damage which might have occurred during installation.
- B. Clean the installed product in accordance with manufacturer's instructions.
- C. Remove construction debris from project site in accordance with provisions outlined in Division 1.

**END OF SECTION**