**Signage**

EMS has an extensive stock of sign frames, raceways & raceway lids, retainers, flex face signage, double tees, half-round posts, and a full line of aluminum standards including **Square Tube** (Standards p15), **Angle** (Standards 09) a wide selection of **Sheet & Plate Products** (Standards 05-08).

We also carry a full line of **Awning Extrusions**, **Decorative Bahama Shutters** (Hurricane 49-55) and **Sunshade Systems** (Architectural 01-03).

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www.EasternMetal.com

### Sign Frames & Accessories

<table>
<thead>
<tr>
<th>12” Fixed Retainer Sign Frame x 24’ 6”</th>
<th>12” Sign Frame x 24’ 6” w/o Retainer</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF-12R 24-63-230</td>
<td>SF-12 24-63-235</td>
</tr>
<tr>
<td>11.810</td>
<td>10.810</td>
</tr>
<tr>
<td>Corner Key: 1/8” Angles</td>
<td>Corner Key: 1/8” Angles</td>
</tr>
<tr>
<td>See Schematics: Signage p 04</td>
<td>Retainer: 24-63-236</td>
</tr>
<tr>
<td></td>
<td>See Schematics: Signage p 04</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>10” Fixed Retainer Sign Frame x 24’ 6”</th>
<th>10” Sign Frame x 24’ 6” w/o Retainer</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF-10R 24-63-220</td>
<td>SF-10 24-63-225</td>
</tr>
<tr>
<td>9.812</td>
<td>8.812</td>
</tr>
<tr>
<td>Corner Key: 1/8” Angles</td>
<td>Corner Key: 1/8” Angles</td>
</tr>
<tr>
<td>See Schematics: Signage p 04</td>
<td>Retainer: 24-63-236</td>
</tr>
<tr>
<td></td>
<td>See Schematics: Signage p 04</td>
</tr>
</tbody>
</table>

**Sign Frame Retainer Angles**

- 24-63-236: 1-1/2 x 1-1/2 x 1/8 x 24’ 6”  
  mated with SF-10, SF-12; 6” & 9” Single Face  
- 24-63-216: 1-1/2 x 1-1/2 x 1/16 x 24’ 6”  
  mated with SF-7  
- 24-63-206: 1 x 1 x 1/16 x 24’ 6”  
  mated with SF-4, 6” SF

**Signage 01**

---

Additional Locations: West Palm Beach & Lakeland, FL; Newark, DE; Birmingham, AL and Akron, OH

**webiste**: www.EasternMetal.com  
**e-mail**: info@EasternMetal.com  
**version**: 05/24/17
16” Sign Frame x 24’ 6” w/o Retainer
SF-16 24-63-290 - NOW STOCKING!

| 14.650 | 1.987 |

Corner Key: 3/16” Angles  2” x 1-1/2” Retainer: 40-63-128
Overall Width with Retainer Angles: 15.534”

6” Tab Mounted Sign Frame x 24’ 6”
24-63-700 (NC/TX/DE)  Mates with 24-63-148P
Used as Top and Bottom of Cabinet; Schematic at Right

| 5.970 | 1.625 |

Corner Key: 1/8” Angles  Retainer: 24-63-236

6” Single Face Sign Frame x 24’ 6”
24-63-705  Can be used as Single Face or as Sides of Tab Mounted Cabinet (with 24-63-700); Schematic at Right

| 5.470 | 1.625 |

Corner Key: 1/8” Angles  Retainer: 24-63-236

9” Single Face Sign Frame x 24’ 6”
24-63-280

| 8.470 | 1.500 |

Corner Key: 1/8” Angles  Retainer: 24-63-236
See Schematic below...

Features & Benefits:
- Easily Accommodates Larger Pole Mounts:
  - Round Steel Poles up to 9” Schedule 40 (9.625” OD)
  - Square Steel Poles up to 10”
- Huge Labor Saver vs “Stick Building” Large Signs
- Eliminates having to “Stub” or Telescope Poles just to
  - Accommodate Smaller Sign Frames
- Stronger Frame for Larger Signs
- Advantages of a Larger Frame but still Miterable in
  Most Sign Factories
- Retainers also Available from Stock
- Facilitates Easier Code Compliance
- Offers Familiar EMS Frame Design Advantages but Now a Larger Frame

9” Single Face Sign Frame (24-63-280)

Signage 02
**Sign Frame Schematic**

**Sign Frame Cabinet Cutaway**

**Side View:**

A. Sign Frame without Retainer
B. F-Retainer
C. Piano Hinge (optional)
D. Divider Bars
E. Vandal Cover Retainer
F. 1/2” x 1/2” Angle (secures interior face)
G. Sign Face
H. Interior Sign Face

---

**8” Stackable Sign Frame x 24’ 6”**
24-63-400 (NC/TX/MO)  Corner Key: 1/8” Angles

**8” Stackable SF Retainer x 24’ 6”**
24-63-405 (NC/TX)
### 6" Fixed Retainer Sign Frame

- **SF-6R** 24-63-260 (MO)
  - Corner Key: 3/16" Angles
  - Retainer: 24-63-206

### 4" Fixed Retainer Sign Frame

- **SF-4R** 24-63-200
  - Corner Key: 1/8" Angles

### 7" Fixed Retainer Sign Frame

- **SF-7R** 24-63-210
  - Corner Key: 1/8" Angles

### 7" Sign Frame

- **SF-7** 24-63-215
  - Corner Key: 1/8" Angles

### 6" Sign Frame

- **SF-6** 24-63-255 (FL/MO)
  - Corner Key: 3/16" Angles

### 4" Sign Frame

- **SF-4** 24-63-205
  - Corner Key: 1/8" Angles

---

**SIGNgineer Flex Retainer x 24' 6"
24-63-620**

Used in Senior Applications only

Accepts up to .090 Sheet for Sign Body & Raceway

Accepts up to .060 Sheet for Sign Body & .090 for Raceway

Mates with Tensioner Bar: 24-63-391

---

**SIGNgineer SENIOR w/Retainer x 24' 6"
24-63-600**

Accepts up to .090 Sheet for Sign Body & Raceway

Accepts up to .060 Sheet for Sign Body & .090 for Raceway

**SIGNgineer SENIOR NO Retainer x 24' 6"
24-63-605**

Accepts up to .090 Sheet for Sign Body & Flex Face applications; Accepts 1/8" angle as Retainer: 1-63-315

Accepts up to .060 Sheet for Sign Body & .090 for Raceway

---

**SIGNgineer JUNIOR w/Retainer x 24' 6"
24-63-610**

Accepts up to .090 Sheet for Sign Body & Raceway

Accepts up to .060 Sheet for Sign Body & .090 for Raceway

**SIGNgineer JUNIOR NO Retainer x 24' 6"
24-63-615**

Accepts up to .090 Sheet for Sign Body & Flex Face applications; Accepts 1/16" angle as Retainer: 11-63-310

Accepts up to .060 Sheet for Sign Body & .090 for Raceway

---

**SIGNgineer SENIOR w/Retainer x 24' 6" w/o Retainer**

Accepts up to .090 Sheet for Sign Body & Raceway

Accepts up to .060 Sheet for Sign Body & .090 for Raceway

**SIGNgineer SENIOR NO Retainer x 24' 6" w/o Retainer**

Accepts up to .090 Sheet for Sign Body & Flex Face applications; Accepts 1/8" angle as Retainer: 1-63-315

Accepts up to .060 Sheet for Sign Body & .090 for Raceway

---

**SIGNgineer Flex Retainer x 24' 6" w/o Retainer**

Accepts up to .090 Sheet for Sign Body & Raceway

Accepts up to .060 Sheet for Sign Body & .090 for Raceway

**SIGNgineer SENIOR NO Retainer x 24' 6" w/o Retainer**

Accepts up to .090 Sheet for Sign Body & Flex Face applications; Accepts 1/8" angle as Retainer: 1-63-315

Accepts up to .060 Sheet for Sign Body & .090 for Raceway

---

No visible welds: watch our video!

See our SIGNgineer Instructional video here:
www.easternmetal.com/signage_extrusions-signgineer.html

---

**SIGNgineer Instructional video:**
www.easternmetal.com/signage_extrusions-signgineer.html
Sign Frames & Accessories

Vandal Cover Retainer x 24’ 6”
24-63-270 (NC/TX)
Used with 10” & 12” Sign Frames

F-Retainer x 24’ 6”
24-63-251
used with Male & Female Hinge

Sign Frame
Hinge Adaptor x 24’ 6”
24-63-335 (NC/TX/MO)

F-Retainer (24-63-251)

SF Hinge Adaptor

Female Hinge x 24’ 6”
MILL ORDER 24-63-241
mates with Male Hinge
CLOSEOUT (NC/TX)

See Schematic: Signage p 03 “B”

See Schematic: Signage p 03

See Schematic: Signage p 03 “D”

See Schematic: Signage p 03 “D”

See Schematic: Signage p 03

1-1/2” Double Tee Divider Bar x 24’
SFT-1  24-63-120

2-1/2” Double Tee Divider Bar x 24’
SFT-2  24-63-115

1-1/2 x 2 Divider Bar x 24’ 6”
24-63-275 (NC/TX/MO/DE)

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Additional Locations: West Palm Beach & Lakeland, FL; Newark, DE; Akron, OH, Van Buren, AR; Atlanta, GA and Dallas, TX

website: www.EasternMetal.com  e-mail: info@EasternMetal.com  version: 02/28/19
<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Finish</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>Bleed Frame x 24’ 6”</td>
<td>24-63-300</td>
<td>(NC/NC)</td>
<td>Mill Finish accepts 2” Square Tube</td>
</tr>
<tr>
<td>Bleed Retainer x 24’ 6”</td>
<td>24-63-320</td>
<td>(NC/MO)</td>
<td>Mill Finish</td>
</tr>
<tr>
<td>1/2” Flex Retainer x 24’ 6”</td>
<td>24-63-330</td>
<td>(NC/TX)</td>
<td>Mill Finish</td>
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<tr>
<td>2/1” Flex Retainer x 24’ 6”</td>
<td>24-63-325</td>
<td>(NC/NC)</td>
<td>Mill Finish</td>
</tr>
<tr>
<td>Sign Frame Hinge Adaptor x 24’ 6”</td>
<td>24-63-335</td>
<td>(NC/TX/MO)</td>
<td>Mill Finish</td>
</tr>
<tr>
<td>Tensioner Clamp x 2”</td>
<td>24-63-390</td>
<td>(NC/TX/MO)</td>
<td>Mill Finish mates with Tensioner Bar See Schematics Sign p 7 100 pcs per box</td>
</tr>
<tr>
<td>Tensioner Bar x 4”</td>
<td>24-63-391</td>
<td>(NC/TX/MO)</td>
<td>Mill Finish mates with Tensioner Clamp Mates with 3M Wedge Clamp See Schematics Sign p 7 100 pcs per box</td>
</tr>
<tr>
<td>Retainer Corner Key</td>
<td>24-63-395</td>
<td>(NC/TX/MO)</td>
<td>Mill Finish</td>
</tr>
<tr>
<td>1/4” Frame Corner Key Angle x 1-1/16”</td>
<td>24-63-393</td>
<td>(NC/TX)</td>
<td>Mill Finish (with notches and hole)</td>
</tr>
<tr>
<td>1/4” Divider Corner Key Angle x 1-1/16”</td>
<td>24-63-394</td>
<td>(TX/MO)</td>
<td>Mill Finish</td>
</tr>
<tr>
<td>Frame Brace x 1-1/2”</td>
<td>24-63-396</td>
<td>(NC/TX)</td>
<td>Mill Finish</td>
</tr>
<tr>
<td>Tensioner Tool x 15.25”</td>
<td>24-63-392</td>
<td>(NC/TX)</td>
<td>Mill Finish</td>
</tr>
<tr>
<td>SIGNgineer Flex Retainer x 24’ 6”</td>
<td>24-63-620</td>
<td></td>
<td>Should be used in Senior Applications only</td>
</tr>
<tr>
<td>Flex Face Wedge Clamps</td>
<td></td>
<td></td>
<td>SPECIAL ORDER 24-63-397 (MO) 1.5” Bolt SPECIAL ORDER 24-63-398 (MO) 2.5” Bolt for Flex Face Applications Mates with Tensioner Bar 24-63-391 100 pcs/bag</td>
</tr>
</tbody>
</table>

**Flex Face Signage**

**UL Recognized Component System - The Underwriters Laboratory file number is:** E136850

**EMS FL**

1-800-432-2204  
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**website:** www.EasternMetal.com  
**e-mail:** info@EasternMetal.com  
**version:** 05/24/17
Bleed Frame Assembly

Flex Frame Assembly with 1-1/2” Flex Retainer

Flex Frame Assembly with 2-1/2” Flex Retainer

Flex Retro Frame Assembly with 1-1/2” Flex Retainer

Bleed Retro Frame Assembly with Frame Brace

Bleed Retro Frame Assembly

Flex Frame Assembly with 1-1/2” Flex Retainer & Frame Brace

Hinge Adaptor Assembly with Flex Retro Frame

UL Recognized Component System
Underwriters Laboratory file number: E136850

Additional Locations: West Palm Beach & Lakeland, FL; Newark, DE; Birmingham, AL and Akron, OH

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