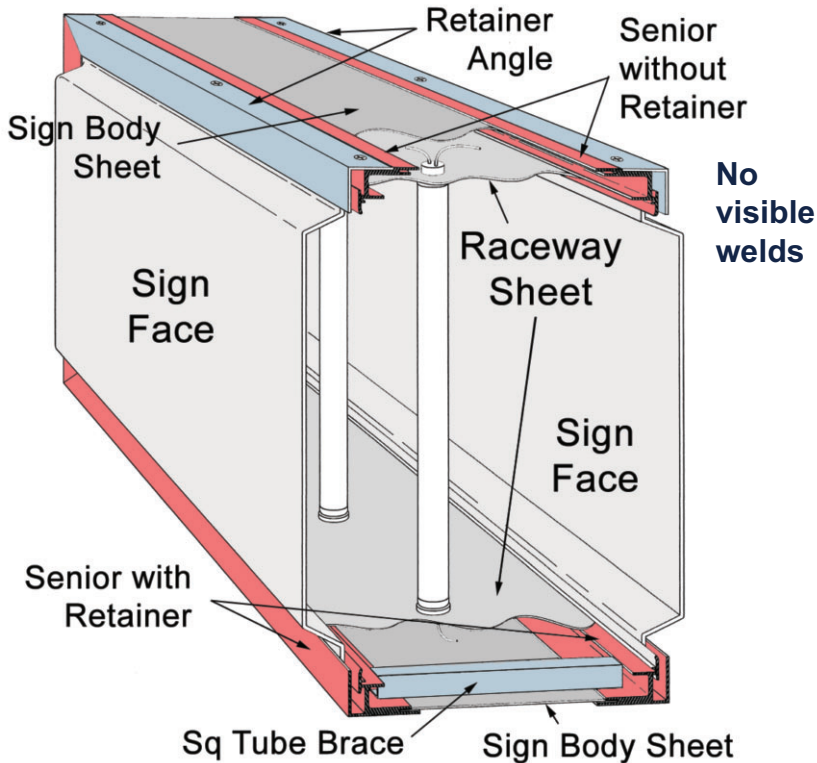


SIGNgineer® sign frame

FROM EASTERN METAL SUPPLY

® Trademark 3,723,251 • US Patent 7,861,446



ARE YOU STILL “STICK”
BUILDING SIGN CABINETS?

WANT DOUBLE DIGIT COST SAVINGS
IN LABOR, FABRICATION AND
ELECTRICAL COSTS?

NEED A COMPETITIVE
ADVANTAGE?

TWO VERSIONS:

SIGNgineer® Senior Sign Frame

(shown above)

- Heavier Shapes for Superior Strength
- For Larger Sign Cabinets
- Flex Applications Possible

SIGNgineer® Junior Sign Frame

- Up to 100 Sq Ft Cabinet Size
- Lighter Shape yields 33% material cost savings for smaller signs
- Non Flex Applications

FEATURED BENEFITS:

Build Any Width Custom Cabinet:

- Merely adjust the length of your Square Tube and your Sheared Sheet to quickly make a cabinet as wide as you need.

Strength:

- Sign Frames offered in a superior strength alloy providing up to 40% greater yield strength

Aesthetics:

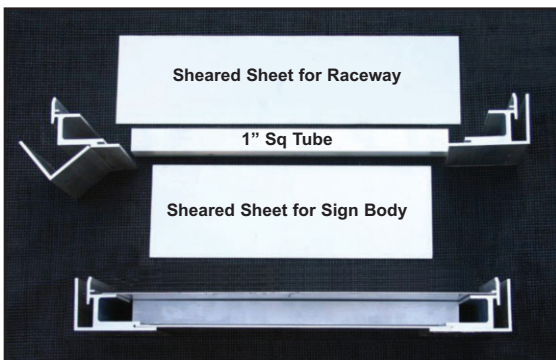
- No visible welds - patented design allows welds to be hidden.

Simplicity:

- Vast majority of cabinets can be made with 2 cost effective SIGNgineer® Extrusions and 4 commercially available standard items from EMS (see picture at left - sheet, angle, square tube)

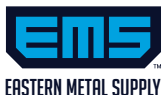
Easier Fabrication:

- Relatively small, high-strength profiles can be cut without the need of larger radial arm saws.
- Designed to use flat sheet for raceways, no sheet bending!



NO VISIBLE WELDS
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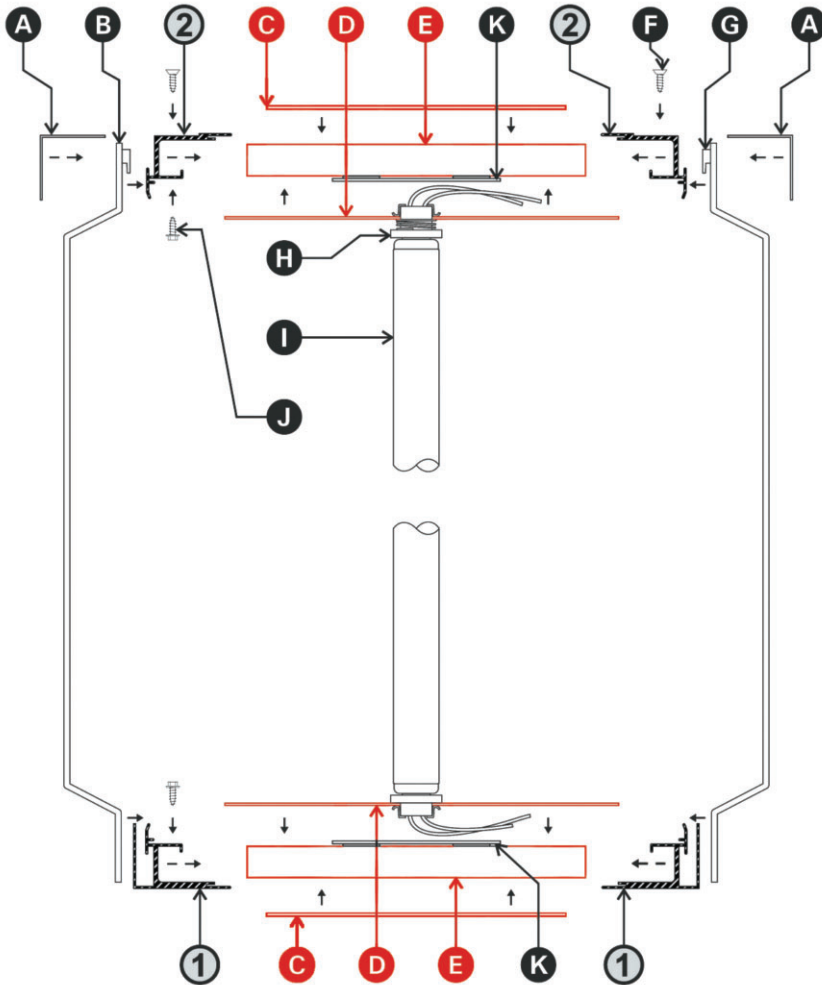
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SIGNgineer[®] sign frame

from Eastern Metal Supply

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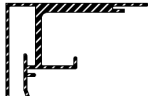



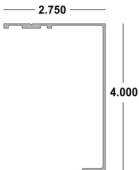

Exploded View of Double Face Sign Cabinet

SIGNgineer[®] Junior System Shown
Senior System works in an almost identical manner.

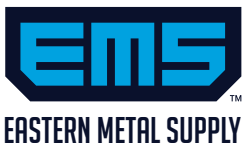
**** Size of the Sheared Aluminum Sheet (C & D) and Square Tube (E) can be adjusted to increase cabinet widths to any size required.**

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PARTS LIST

<p>① 24-63-610 Junior with Retainer</p> 	<p>② 24-63-615 Junior without Retainer</p> 
<p>③ 24-63-600 Senior with Retainer</p>  <p>Not Shown</p>	<p>④ 24-63-605 Senior without Retainer</p>  <p>Not Shown</p>
<p>⑤ 24-63-620 Flex Retainer</p>  <p>Not Shown</p>	<p>⑥ SPECIAL ORDER Flex Face Wedge Clamp</p>  <p>Not Shown</p>
<p>Ⓐ Aluminum Angle Retainer: Junior: 2 x 2 x .063 - 11-63-310 Senior: 2 x 2 x .125 - 11-63-315</p>	
<p>Ⓑ Plastic Sign Face (shown as pan formed) *</p>	
<p>Ⓒ Aluminum Sheet for Sign Body**: Junior: .050 Max Thickness - various sizes & alloys available Senior: .090 Max Thickness - various sizes & alloys available</p>	
<p>Ⓓ Aluminum Sheet for Raceway: .090 Max Thickness - various finishes, sizes & alloys available</p>	
<p>Ⓔ Aluminum Square Tube for Bracing: 1" Square Tube x .125 Wall - 19-63-140</p>	
<p>Ⓕ Counter Sunk Sheet Metal Screw * (fastens face retainer)</p>	
<p>Ⓖ Hangbar/Reader Board Track * (bonded to plastic face)</p>	
<p>Ⓗ Snap-in Fluorescent Lamp Sockets *</p>	
<p>Ⓘ High-Output Fluorescent Lamp *</p>	
<p>⓵ Hex Head Tek Screw * (fastens lamp socket wire cover)</p>	
<p>Ⓚ .125" spacer with VHB tape * (required for lamp spacing)</p>	

Wireway compliant with UL Standards when fabricated per guidelines.
* Not Supplied by Eastern Metal Supply



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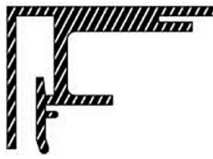
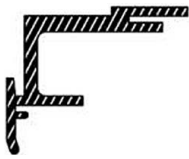
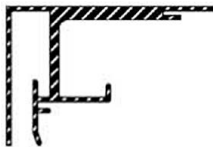
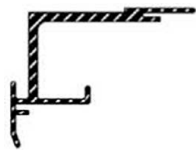
SIGNgineer[®] sign frame

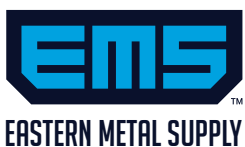
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Product Cut Chart

for Standard Aluminum Items to Complement the Use of Either SIGNgineer Junior or Senior Frame:

SIGNgineer Component	EMS Product:	Explanation:
Exterior Sign Body	Mill Finish Aluminum Sheet Various sizes & alloys available	<i>cut 4-5/8" less than desired width of sign body</i>
Tubular Bracing	1" Square Aluminum Tube 19-63-140 (.125 wall)	<i>cut 3 1/4" less than desired width of sign body</i>
Electrical Raceway	White Painted Aluminum Sheet Various finishes, sizes & alloys available	<i>cut 1 1/2" less than desired width of sign body</i>
Sign Retainer	2" x 2" Architectural Angle Junior: 11-63-310 (.063 wall) Senior: 11-63-315 (.125 wall)	<i>cut to your custom length and height of sign cabinet desired</i>

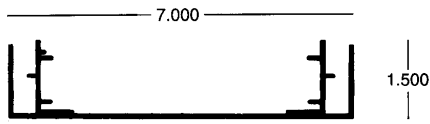
Senior with Retainer 24-63-600	Senior without Retainer 24-63-605	Junior with Retainer 24-63-610	Junior without Retainer 24-63-615
			



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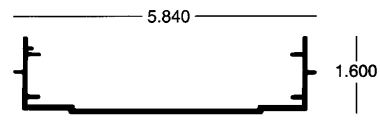
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7" Fixed Retainer Sign Frame x 24' 6"
SF-7R 24-63-210



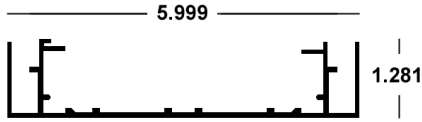
Corner Key: 1/8" Angles

7" Sign Frame x 24' 6" w/o Retainer
SF-7 24-63-215



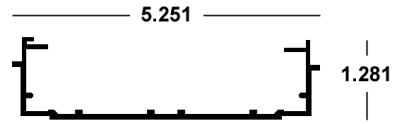
Corner Key: 1/8" Angles Retainer: 24-63-216

6" Fixed Retainer Sign Frame
24-63-260 (MO)



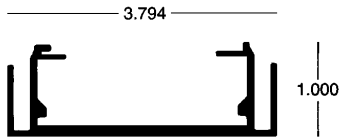
Corner Key: 3/16" Angles

6" Sign Frame w/o Retainer
24-63-255 (FL/MO)



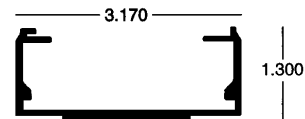
Corner Key: 3/16" Angles Retainer: 24-63-206

4" Fixed Retainer Sign Frame x 24' 6"
SF-4R 24-63-200



Corner Key: 1/8" Angles

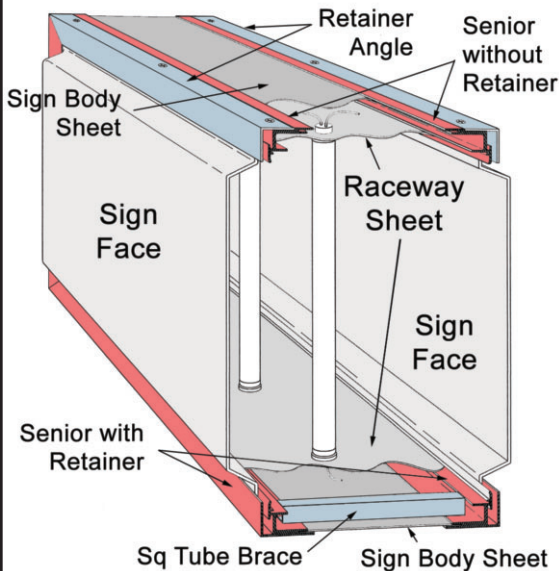
4" Sign Frame x 24' 6" w/o Retainer
SF-4 24-63-205



Corner Key: 1/8" Angles Retainer: 24-63-206



THE FLEXIBILITY TO BUILD ANY WIDTH SIGN CABINET FAST!

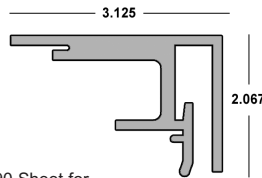


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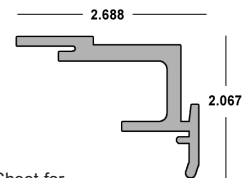


SIGEngineer® SENIOR w/Retainer x 24' 6"
24-63-600 For sign cabinets OVER 100 sq. ft. and Flex Face applications



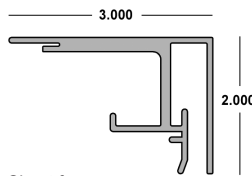
Accepts up to .090 Sheet for Sign Body & Raceway

SIGEngineer® SENIOR NO Retainer x 24' 6"
24-63-605 For sign cabinets OVER 100 sq ft and Flex Face applications; Accepts 1/8" angle as Retainer: 11-63-315



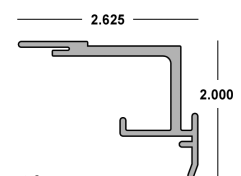
Accepts up to .090 Sheet for Sign Body & Raceway

SIGEngineer® JUNIOR w/Retainer x 24' 6"
24-63-610 For sign cabinets UNDER 100 sq. ft.



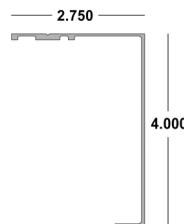
Accepts up to .060 Sheet for Sign Body & .090 for Raceway

SIGEngineer® JUNIOR NO Retainer x 24' 6"
24-63-615 For sign cabinets UNDER 100 sq. ft. Accepts 1/16" angle as Retainer: 11-63-310

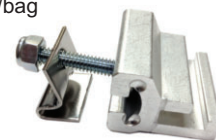


Accepts up to .060 Sheet for Sign Body & .090 for Raceway

SIGEngineer® Flex Retainer x 24' 6"
24-63-620 Used in Senior Applications only



Flex Face Wedge Clamps
SPECIAL ORDER 24-63-397 (MO) 1.5" Bolt
SPECIAL ORDER 24-63-398 (MO) 2.5" Bolt
 for Flex Face Applications
 100 pcs/bag



Mates with Tensioner Bar: 24-63-391



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