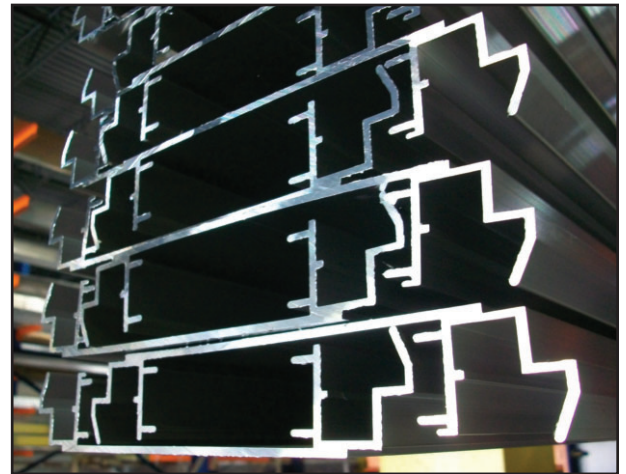


Signage

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 p17), **Angle** (Standards 09) a wide selection of **Sheet & Plate Products** (Standards 05-08).

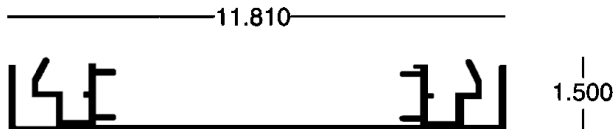
We also carry a full line of **Awning Extrusions**, **Decorative Bahama Shutters** (Hurricane 47-54) and **Sunshade Systems** (Architectural 01-02).

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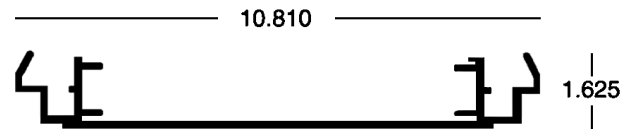
Sign Frames & Accessories

12" Fixed Retainer Sign Frame x 24' 6"
SF-12R 24-63-230



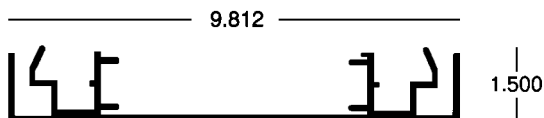
Corner Key: 1/8" Angles
See Schematics: Signage p 04

12" Sign Frame x 24' 6" w/o Retainer
SF-12 24-63-235



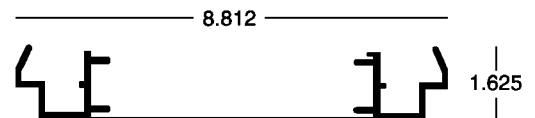
Corner Key: 1/8" Angles Retainer: 24-63-236
See Schematics: Signage p 04

10" Fixed Retainer Sign Frame x 24' 6"
SF-10R 24-63-220



Corner Key: 1/8" Angles
See Schematics: Signage p 04

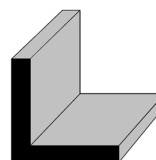
10" Sign Frame x 24' 6" w/o Retainer
SF-10 24-63-225



Corner Key: 1/8" Angles Retainer: 24-63-236
See Schematics: Signage p 04

Sign Frame Retainer Angles

- 24-63-236** 1-1/2 x 1-1/2 x 1/8 x 24' 6"
mates 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"
mates with SF-7
- 24-63-206** 1 x 1 x 1/16 x 24' 6"
mates with SF-4, 6" SF



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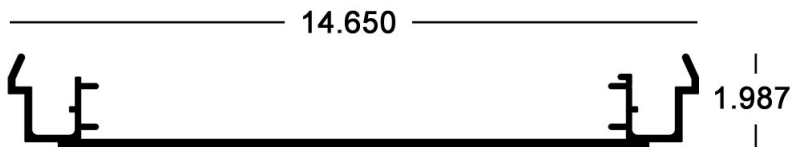


16" Sign Frame x 24' 6" w/o Retainer

SF-16 24-63-290 - NOW STOCKING!

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



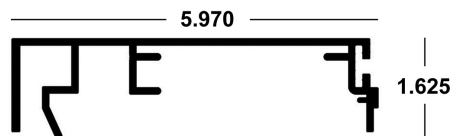
Corner Key: 3/16" Angles 2" x 1-1/2" Retainer: 40-63-128
Overall Width with Retainer Angles: 15.534"

6" Tab Mounted Sign Frame x 24' 6"

24-63-700

Mates with 24-63-148P

Used as Top and Bottom of Cabinet; Schematic at Right



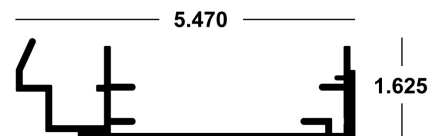
Corner Key: 1/8" Angles Retainer: 24-63-236

6" Single Face Sign Frame x 24' 6"

24-63-705

Can be used as Single Face or as Sides of

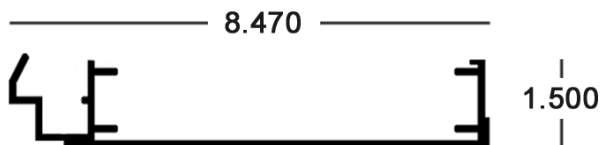
Tab Mounted Cabinet (with 24-63-700); Schematic at Right



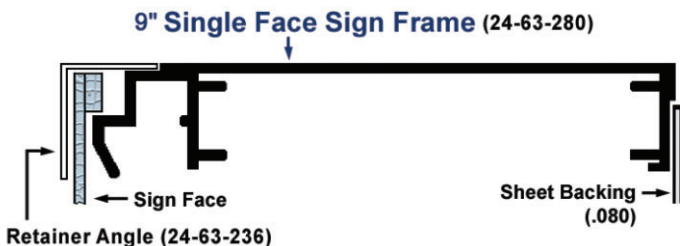
Corner Key: 1/8" Angles Retainer: 24-63-236

9" Single Face Sign Frame x 24' 6"

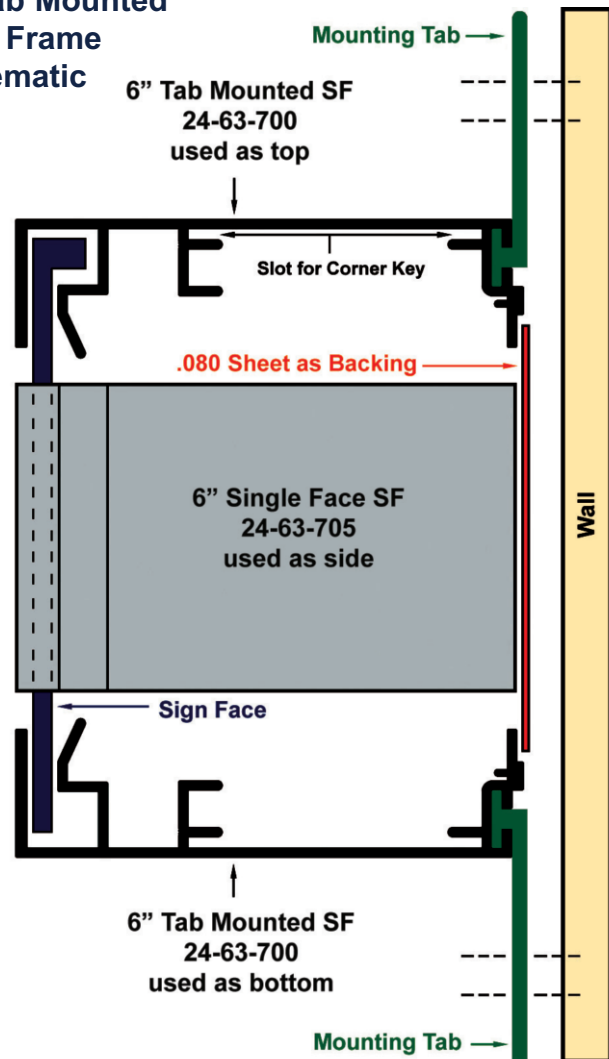
24-63-280



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



6" Tab Mounted Sign Frame Schematic



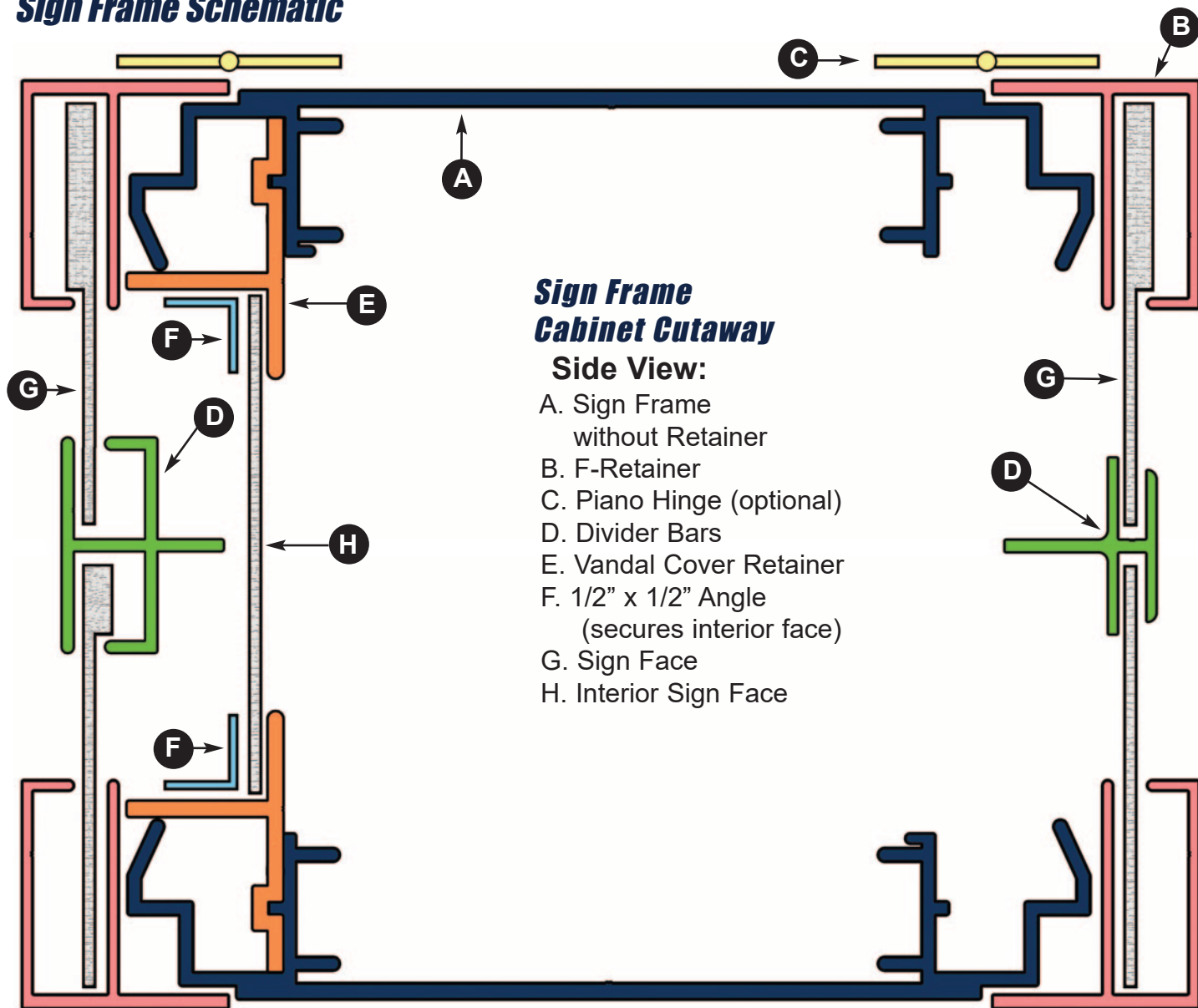
Mounting Tab x 2"
24-63-148P

50 pcs/box
1/2" hole in center

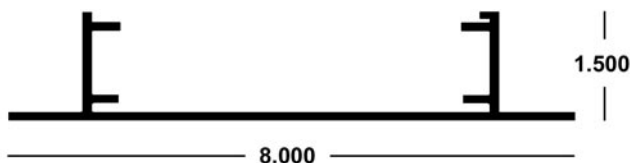
Max Load Per Tab:
Vertical: 220 #
Horizontal: 160 #



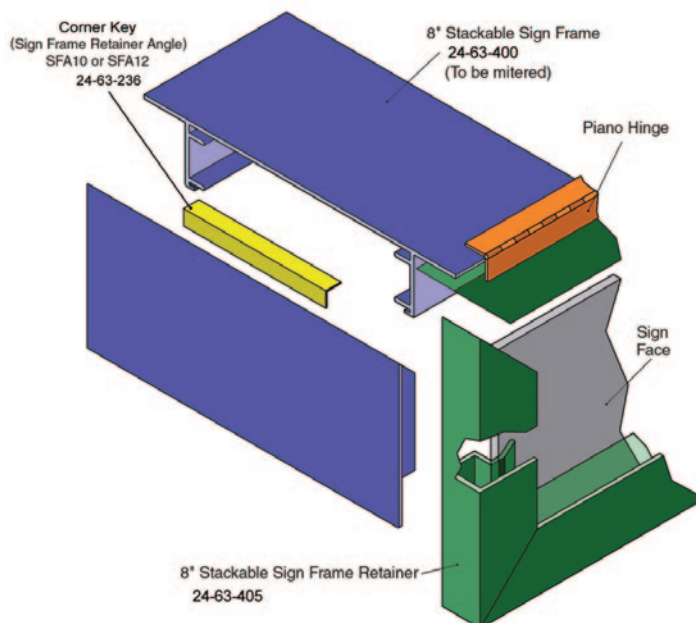
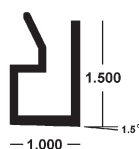
Sign Frame Schematic



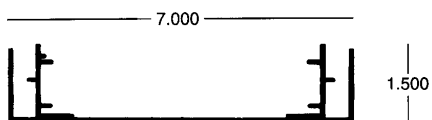
8" Stackable Sign Frame x 24' 6"
24-63-400 (MO) Corner Key: 1/8" Angles



8" Stackable SF Retainer x 24' 6"
24-63-405 (MO)

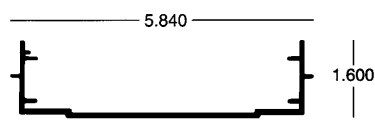


7" Fixed Retainer Sign Frame x 24' 6"
SF-7R 24-63-210



Corner Key: 1/8" Angles

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



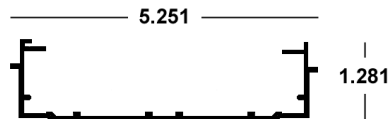
Corner Key: 1/8" Angles Retainer: 24-63-216

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



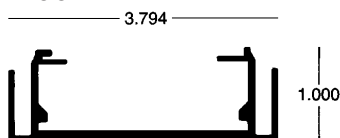
Corner Key: 3/16" Angles

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



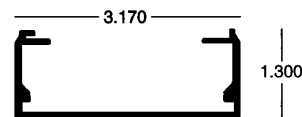
Corner Key: 3/16" Angles Retainer: 24-63-206

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



Corner Key: 1/8" Angles

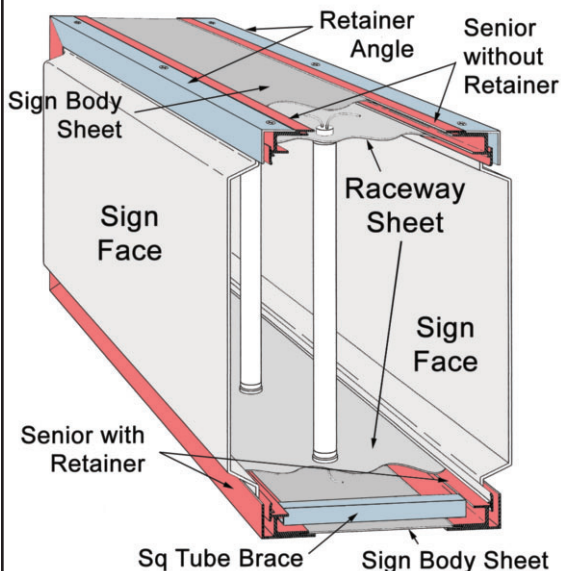
4" Sign Frame x 24' 6" w/o Retainer
SF-4 24-63-205



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

SIGNgineer®

**THE FLEXIBILITY TO BUILD
ANY WIDTH SIGN CABINET FAST!**

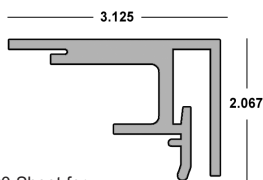


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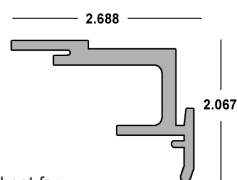


SIGNgineer® SENIOR w/Retainer x 24' 6"
24-63-600 For sign cabinets OVER 100
sq. ft. and Flex Face applications



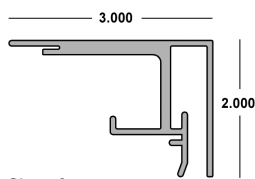
Accepts up to .090 Sheet for
Sign Body & Raceway

SIGNgineer® 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



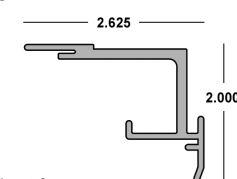
Accepts up to .090 Sheet for
Sign Body & Raceway

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



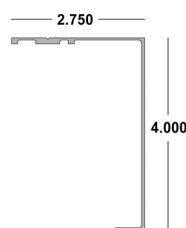
Accepts up to .060 Sheet for
Sign Body & .090 for Raceway

SIGNgineer® 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

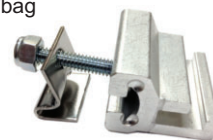


Accepts up to .060 Sheet for
Sign Body & .090 for Raceway

SIGNgineer® 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



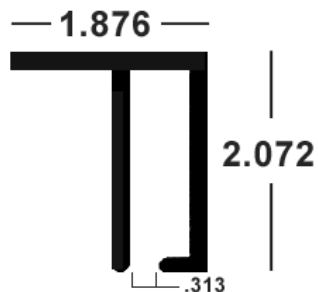
Mates with
Tensioner Bar: 24-63-391

Sign Frames & Accessories

F-Retainer x 24' 6"

24-63-251

used with
Sign Frames

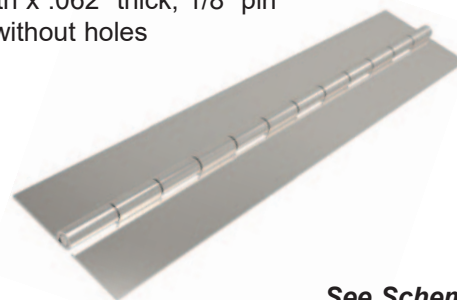


See Schematic: Signage p 03 "B"

Piano Hinge x 6'

41-63-871

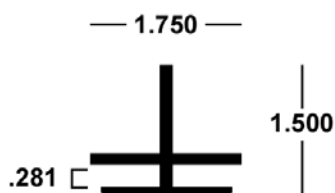
2" open width x .062" thick; 1/8" pin
Mill Finish; without holes



See Schematics:
Signage p 03

1-1/2" Double Tee Divider Bar x 24'

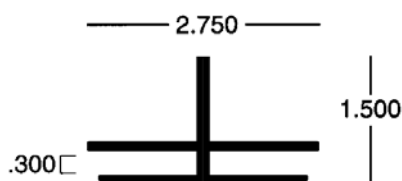
SFT-1 24-63-120



See Schematic: Signage p 03 "D"

2-1/2" Double Tee Divider Bar x 24'

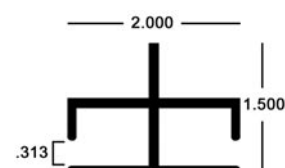
SFT-2 24-63-115



See Schematic: Signage p 03 "D"

1-1/2 x 2 Divider Bar x 24' 6"

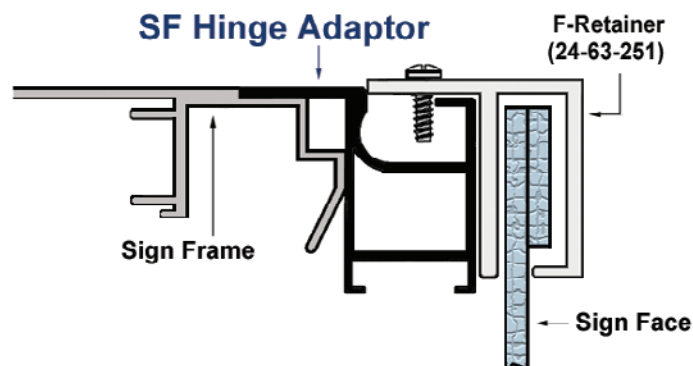
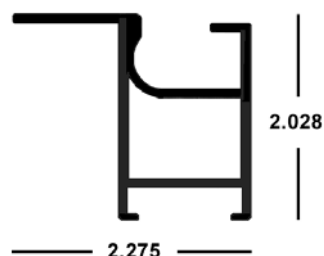
24-63-275 (NC/TX/MO/DE)



See Schematic: Signage p 03 "D"

Sign Frame Hinge Adaptor x 24' 6"

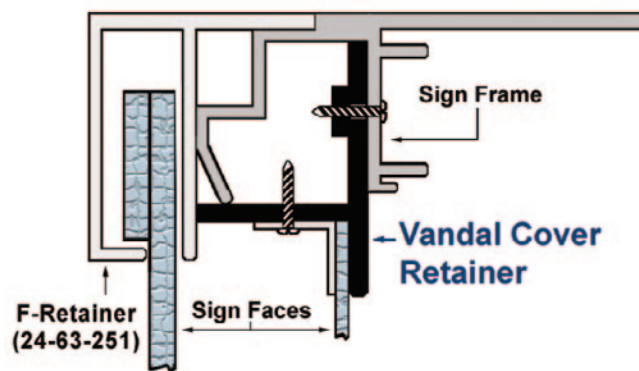
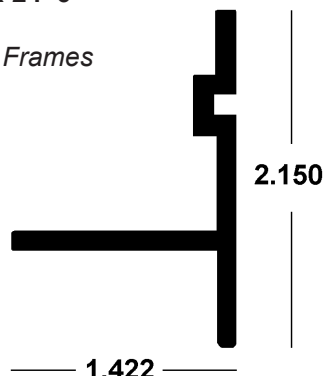
24-63-335 (NC/TX/MO)



Vandal Cover Retainer x 24' 6"

24-63-270 (NC/TX)

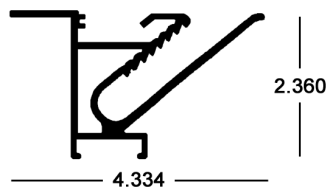
Used with 10" & 12" Sign Frames



Flex Face Signage - BLEED FRAME

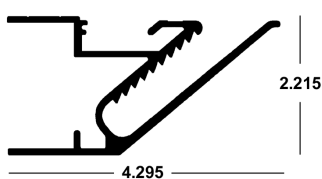
Accessories

Bleed Retro Frame x 24' 6"
24-63-305 (NC/TX) Mill Finish
 Accepts Bleed Retainer 24-63-320



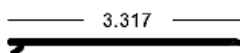
UL Recognized Component System
 The Underwriters Laboratory file number is: E136850

Bleed Frame x 24' 6"
24-63-300 (NC/TX) Mill Finish
 Accepts Bleed Retainer 24-63-320
 accepts 2" Square Tube



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

Bleed Retainer x 24' 6"
24-63-320 (NC) Mill Finish
 Mates with Bleed Retro Frame
 24-63-305 & Bleed Frame 24-63-300



Tensioner Clamp x 2"
24-63-390 (NC/TX) Mill Finish
 Mates with Tensioner Bar
 100 pcs per box



Tensioner Bar x 4"
24-63-391 (NC/TX)
 Mill Finish
 Mates with Tensioner
 Clamp; Mates with
 3M Wedge Clamp
 100 pcs per box



Retainer Corner Key
24-63-395 (NC/TX) Mill Finish



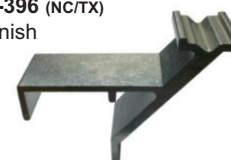
1/4" Frame Corner Key
Angle x 1-1/16"
24-63-393 (NC/TX)
 Mill Finish



1/4" Divider Corner Key
Angle x 1-1/16"
24-63-394 (TX)
 Mill Finish
 with notches
 and hole



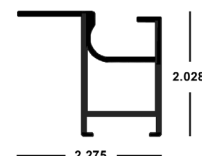
Frame Brace x 1-1/2"
24-63-396 (NC/TX)
 Mill Finish



Tensioner Tool x 15.25"
24-63-392 (NC/TX)

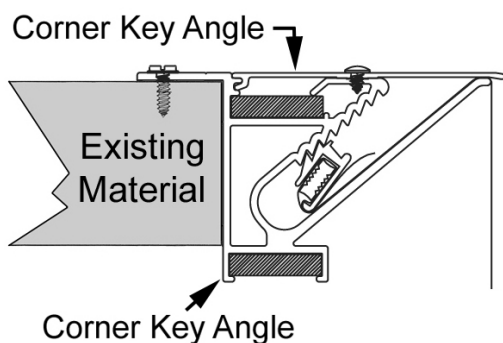


Sign Frame Hinge Adaptor x 24' 6"
24-63-335 (NC/TX) Mill Finish

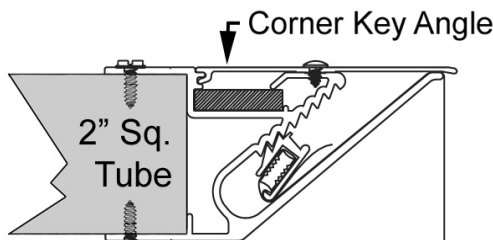


Flex Face Signage - BLEED FRAME Assembly Drawings

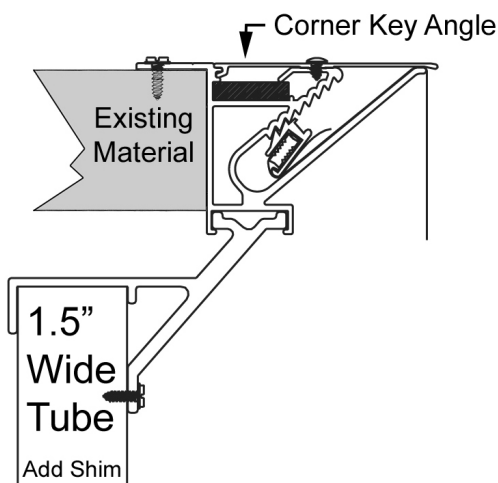
Bleed Retro Frame Assembly



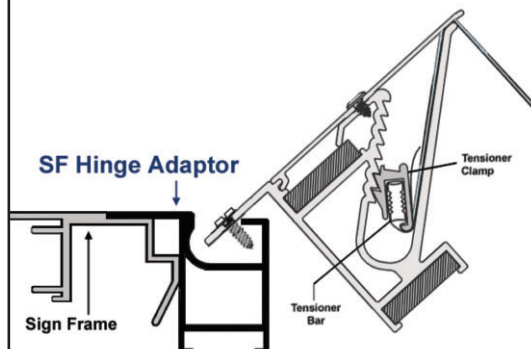
Bleed Retro Frame Assembly with Frame Brace



Bleed Retro Frame Assembly with Frame Brace

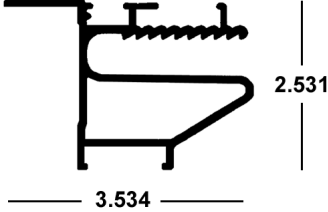
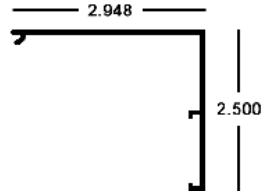


Hinge Adaptor Assembly with Bleed Retro Frame

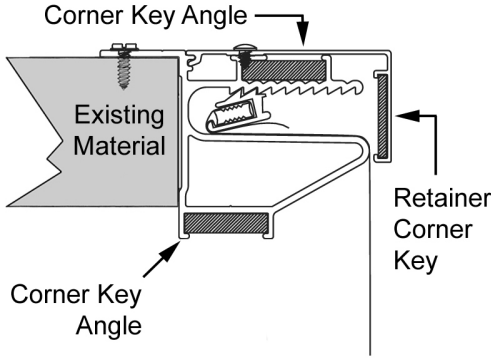
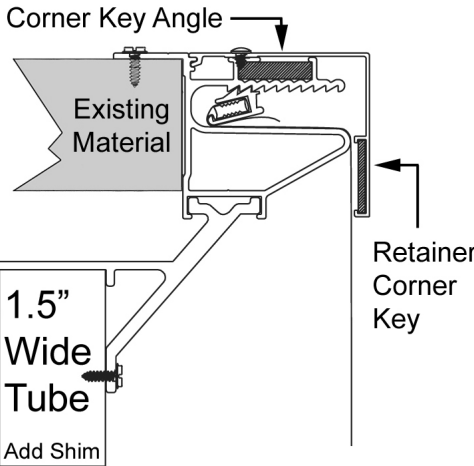
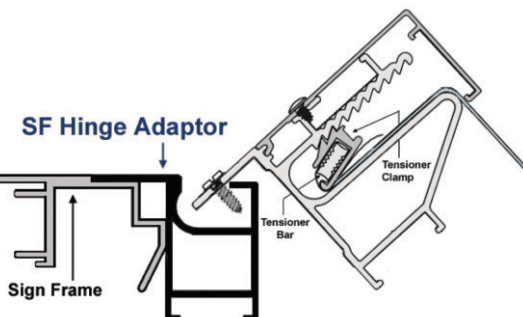
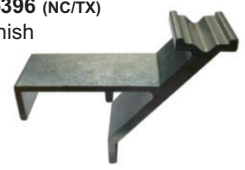


Flex Face Signage - FLEX FRAME

Accessories

Flex Retro Frame x 24' 6" 24-63-315 (NC/TX) Mill Finish <i>Mates with Flex Retainers</i> 24-63-330 & 24-63-325  UL Recognized Component System The Underwriters Laboratory file number is: E136850	1-1/2" Flex Retainer x 24' 6" 24-63-330 (NC/TX) Mill Finish <i>Mates with Flex Retro Frame</i> 24-63-315 	2-1/2" Flex Retainer x 24' 6" 24-63-325 (NC/TX) Mill Finish <i>Mates with Flex Retro Frame</i> 24-63-315 	Tensioner Clamp x 2" 24-63-390 (NC/TX) Mill Finish <i>Mates with Tensioner Bar</i> 100 pcs per box 
			Tensioner Bar x 4" 24-63-391 (NC/TX) Mill Finish <i>Mates with Tensioner Clamp; Mates with 3M Wedge Clamp</i> 100 pcs per box 

Flex Face Signage - FLEX FRAME Assembly Drawings

Flex Frame Assembly 	Flex Frame Assembly with 1-1/2" Flex Retainer & Frame Brace 	Retainer Corner Key 24-63-395 (NC/TX) Mill Finish 
		1/4" Frame Corner Key Angle x 1-1/16" 24-63-393 (NC/TX) Mill Finish 
		1/4" Divider Corner Key Angle x 1-1/16" 24-63-394 (TX) Mill Finish <i>with notches and hole</i> 
Hinge Adaptor Assembly with Flex Retro Frame 	Frame Brace x 1-1/2" 24-63-396 (NC/TX) Mill Finish 	
		Tensioner Tool x 15.25" 24-63-392 (NC/TX) 
		Sign Frame Hinge Adaptor x 24' 6" 24-63-335 (NC/TX) Mill Finish 