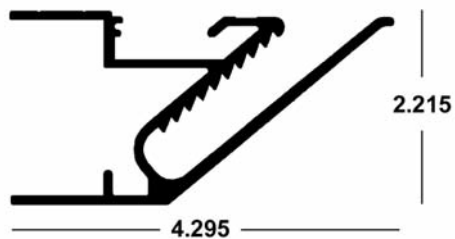
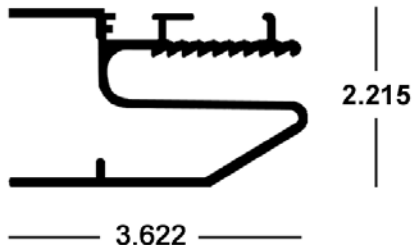


**Bleed Frame x 24' 6"** Mill Finish  
 24-63-300 (NC/TX) accepts 2" Square Tube



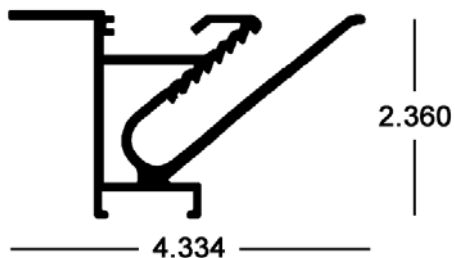
UL Recognized Component System  
 The Underwriters Laboratory file number is: E136850

**Flex Frame x 24' 6"** Mill Finish  
 MILL ORDER 24-63-310 (MO) accepts 2" Sq Tube



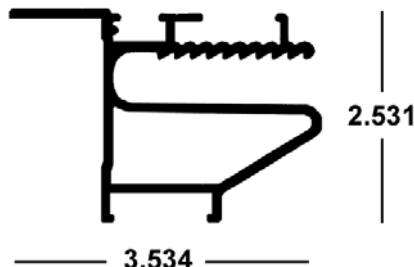
UL Recognized Component System  
 The Underwriters Laboratory file number is: E136850

**Bleed Retro Frame x 24' 6"** Mill Finish  
 24-63-305 (NC/TX/MO)



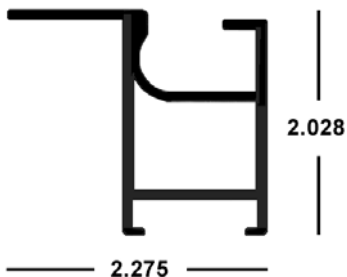
UL Recognized Component System  
 The Underwriters Laboratory file number is: E136850

**Flex Retro Frame x 24' 6"** Mill Finish  
 24-63-315 (NC/TX)

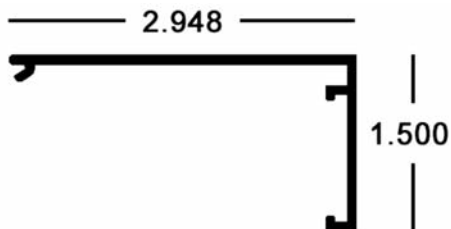


UL Recognized Component System  
 The Underwriters Laboratory file number is: E136850

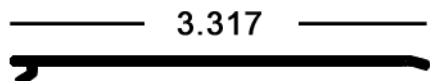
**Sign Frame Hinge Adaptor x 24' 6"**  
 24-63-335 (NC/TX/MO) Mill Finish



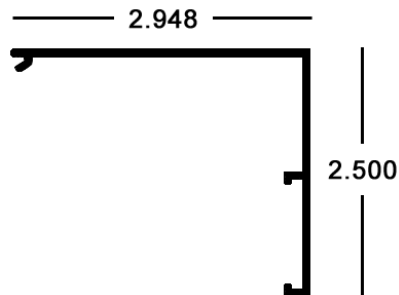
**1-1/2" Flex Retainer x 24' 6"**  
 24-63-330 (NC/TX) Mill Finish



**Bleed Retainer x 24' 6"**  
 24-63-320 (NC/MO) Mill Finish



**2-1/2" Flex Retainer x 24' 6"**  
 24-63-325 (NC/TX/MO) Mill Finish



Signage 10



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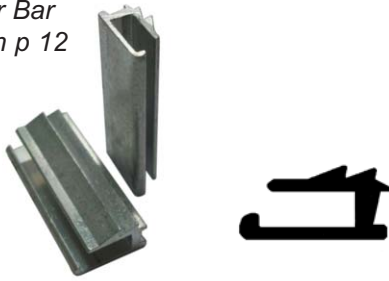
version: 08/04/16

**Tensioner Clamp x 2"**

24-63-390 (NC/TX/MO)

Mill Finish

Mates with Tensioner Bar  
See Schematics Sign p 12  
100 pcs per box



UL Recognized Component System

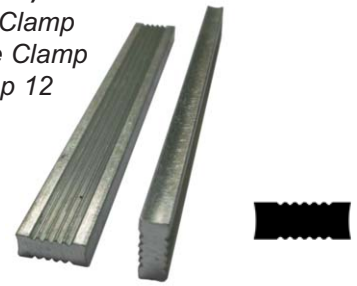
The Underwriters Laboratory file number is: **E136850**

**Tensioner Bar x 4"**

24-63-391 (NC/TX/MO)

Mill Finish

Mates with Tensioner Clamp  
Mates with 3M Wedge Clamp  
See Schematics Sign p 12  
100 pcs per box



UL Recognized Component System

The Underwriters Laboratory file number is: **E136850**

**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"**

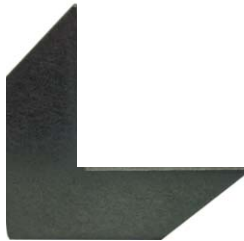
24-63-394 (TX/MO) Mill Finish

(with notches and hole)



**Retainer Corner Key**

24-63-395 (NC/TX/MO) Mill Finish



**Frame Brace x 1-1/2"**

24-63-396 (NC/TX) Mill Finish



**Tensioner Tool**

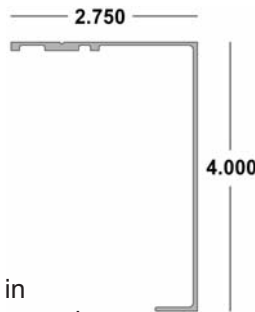
24-63-392 (NC/TX)



**SIGNgineer Flex Retainer**

x 24' 6"

24-63-620



Should be 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

Signage 11



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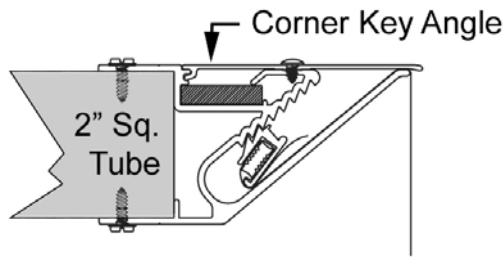
**Additional Locations:** West Palm Beach & Lakeland, FL; Newark, DE and Birmingham, AL

**website:** [www.EasternMetal.com](http://www.EasternMetal.com)

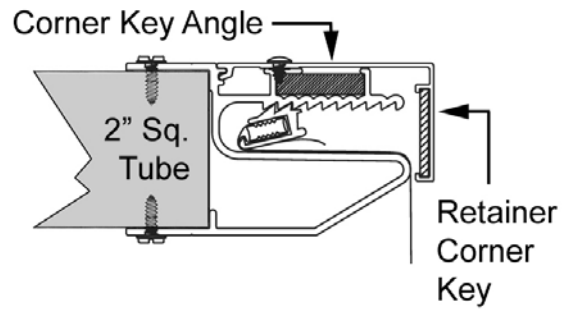
**e-mail:** [info@EasternMetal.com](mailto:info@EasternMetal.com)

**version:** 08/04/16

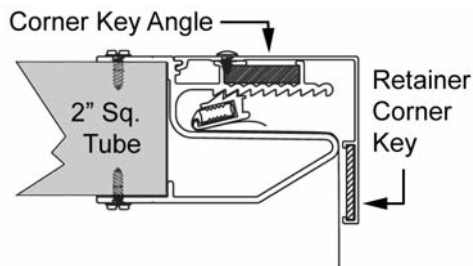
**Bleed Frame Assembly**



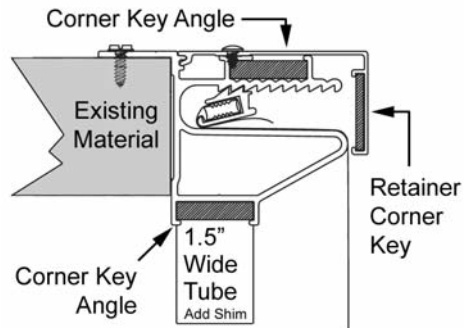
**Flex Frame Assembly with 1-1/2" Flex Retainer**



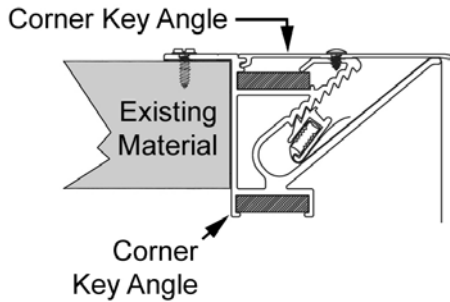
**Flex Frame Assembly with 2-1/2" Flex Retainer**



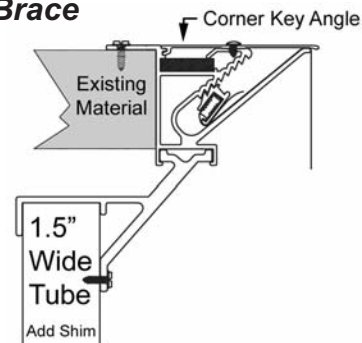
**Flex Retro Frame Assembly with 1-1/2" Flex Retainer**



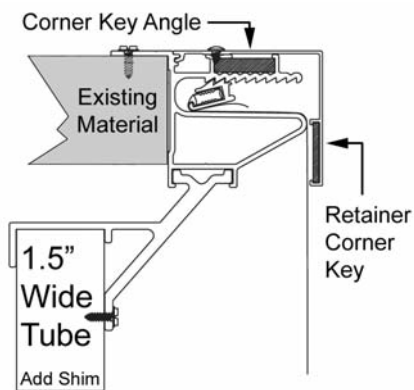
**Bleed Retro Frame Assembly**



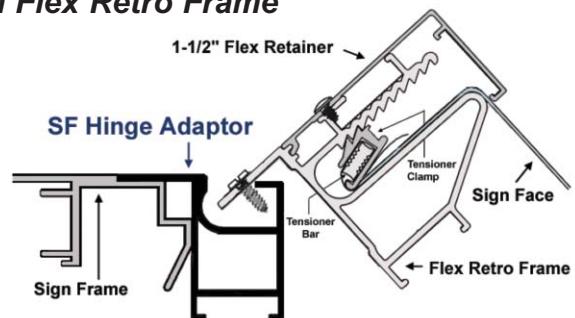
**Bleed Retro Frame Assembly with Frame Brace**



**Flex Frame Assembly with 1-1/2" Flex Retainer & Frame Brace**



**Hinge Adaptor Assembly with Flex Retro Frame**



Signage 12



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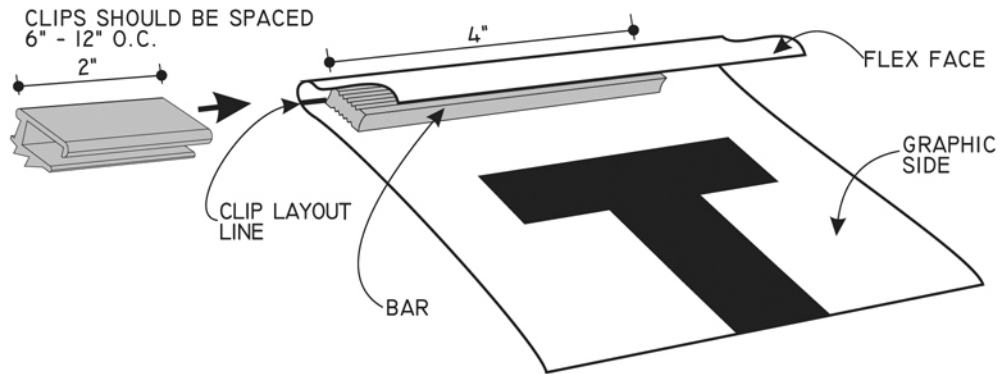
**website:** [www.easternmetal.com](http://www.easternmetal.com)

**e-mail:** [info@easternmetal.com](mailto:info@easternmetal.com)

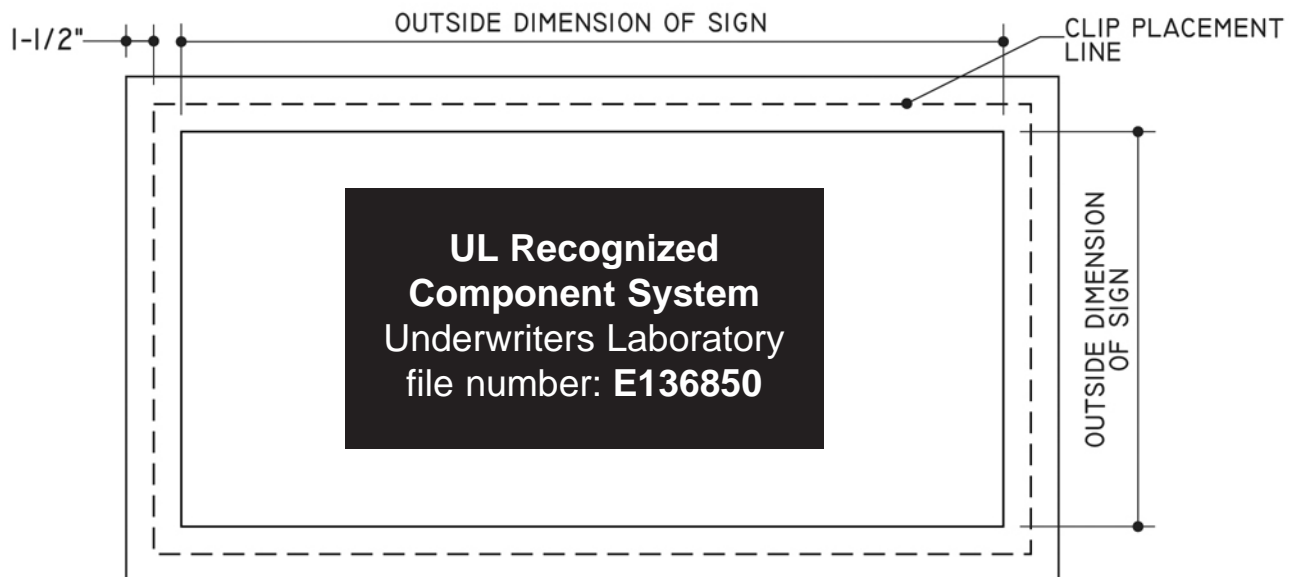
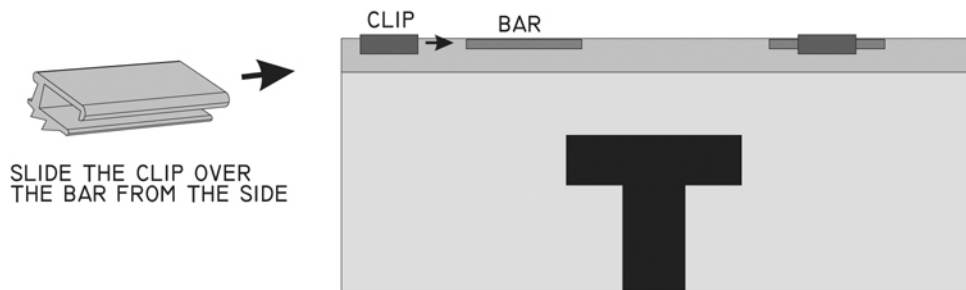
**version:** 12/12/12

# MEASUREMENTS AND PREPARATION INSTRUCTIONS

FOR BLEED FRAME & RETRO BLEED FRAME - FLEX FRAME & RETRO FLEX FRAME



WITH THE FACE LAID OUT WITH THE GRAPHICS FACING UP, PLACE THE BAR AS SHOWN AND SLIDE THE TENSIONING CLIP OVER THE BAR WITH THE FACE WRAPPED AROUND IT. INSTALL THE CLIP WITH THE FLAT SIDE UP.



BLEED FRAME & RETRO BLEED FRAME: ADD 9" TO OUTSIDE DIMENSIONS OF SIGN.

FLEX FRAME & RETRO FLEX FRAME: ADD 5" TO OUTSIDE DIMENSIONS OF SIGN

CLIP PLACEMENT: IS 1-1/2" FROM OUT SIDE OF CUT FABRIC.

MITER CUT BOXES, THE FIRST AND LAST CLIP PLACEMENT:

BLEED FRAME AND RETRO BLEED: 6-1/2" FROM THE OUTSIDE OF CUT FABRIC.

FLEX FRAME AND RETRO FLEX FRAME: 4-1/2" FROM THE OUTSIDE OF CUT FABRIC.

# FLEX FACE INSTALLATION:

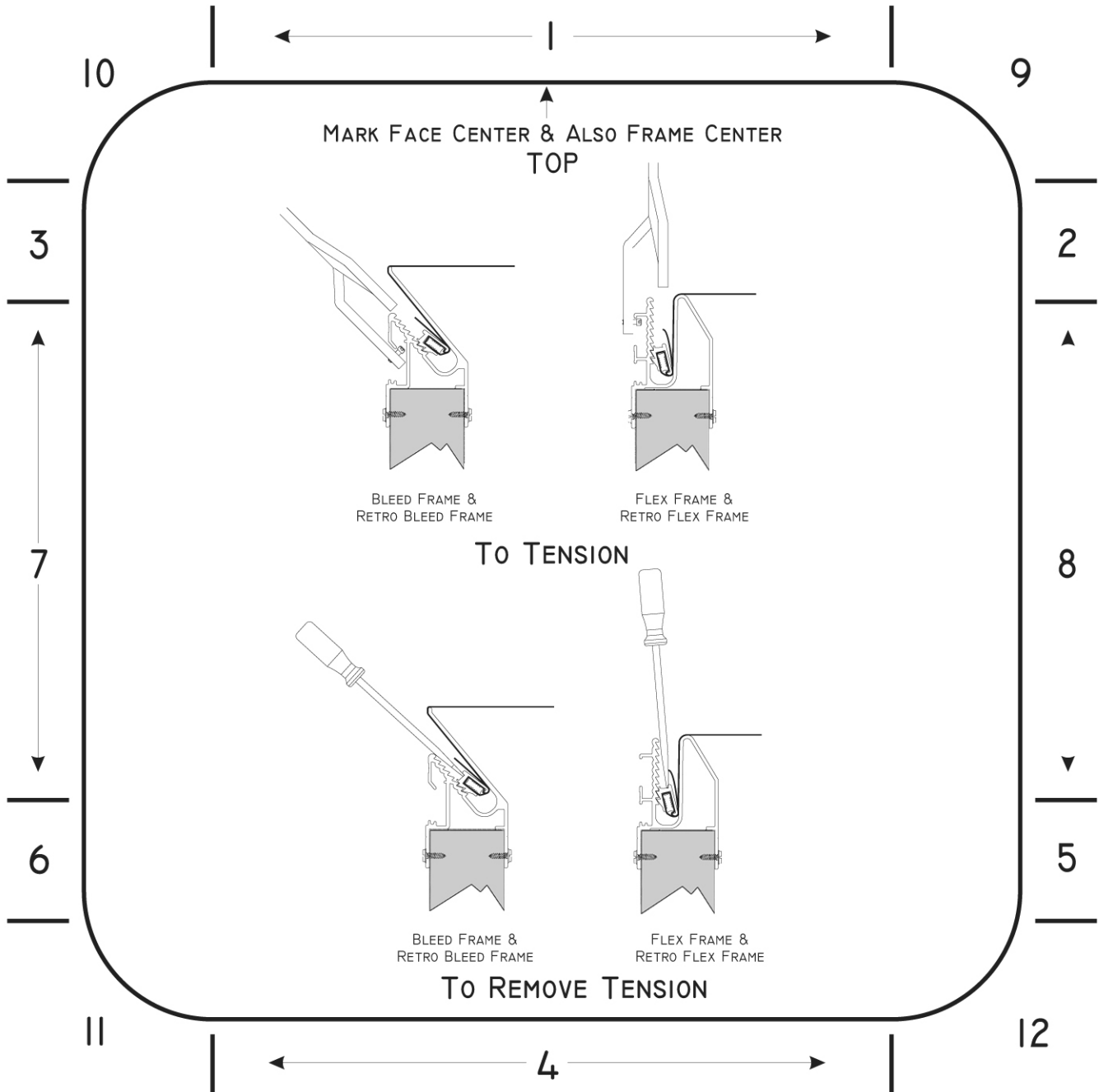
*Bleed Frame/Retro Bleed Frame & Flex Frame/Retro Flex Frame*

**UL Recognized Component System    UL file number: E136850**

## INSTALL & TENSION FACE HORIZONTALLY OR VERTICALLY

TOOLS REQUIRED: TENSIONING TOOL, SCREW DRIVER OR CHISEL.

TO TENSION: ENGAGE TENSIONER TO 1ST TOOTH. ONCE ALL TENSIONER ARE LOOSELY ENGADED, THEN BEGIN THE SLACK REMOVAL BY DRIVING TENSIONERS DOWN 1 TOOTH AT A TIME IN SYSTEMATIC ORDER AS INDICATED BY NUMBERS 1-12.



TO REMOVE TENSION - PRY TENSIONER AWAY FROM TEETH AND TENSIONER WILL DISENGAGE. AS SLACK OCCURS IN FLEX FACE THE TENSIONER MAY BE WITHDRAWN BY PULLING AT THE CORNERS.