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3-1/2” DEPTH**

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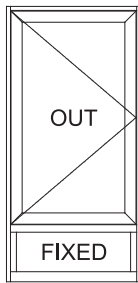
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*The latest installation instructions for this product are available at www.ykkap.com.

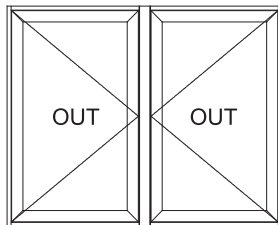
CASEMENT OUTSWING



Note:

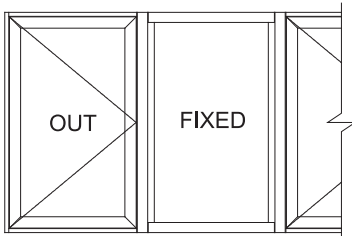
Units may utilize integral mulls for fixed over casement or casement over fixed.

Feature Casement Outswing Configuration



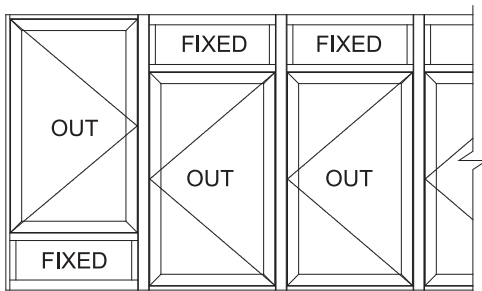
Note:

Left hand and right hand units are interchangeable. Details shall be similar to those shown herein.

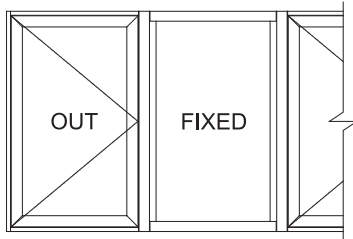


Note:

Units may be mullered side by side in combinations of casement/fixed, casement/casement, casement/project out, and/or other approved products. Mulls shall be shown herein or approved under separate approval. Fixed windows and other alternate window types under separate approval (see approved installation instructions YKK153, YKK154, YKK155, and YKK156.)

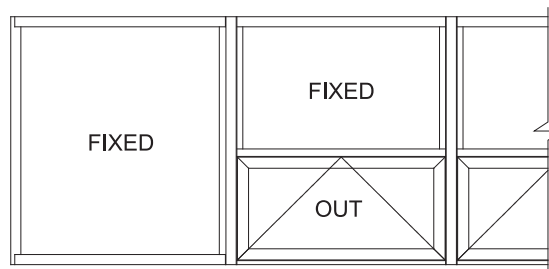
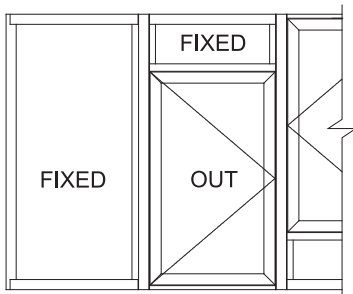


FIXED

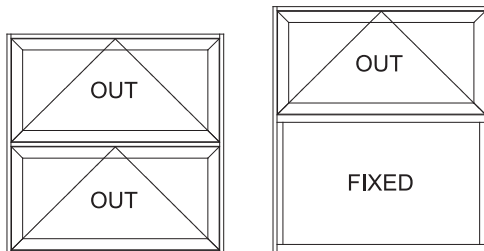


Note:

Units may be mulled side by side in combinations of fixed/fixed, fixed/project out, fixed/casement, and/or other approved window types (see installation approved instructions YKK153, YKK154, YKK155, and YKK156). Mulls shall be shown herein or approved under separate approval. Fixed windows and other alternate window types under separate approval. The window type with the lowest design pressure shall govern allowable assembly design pressure.

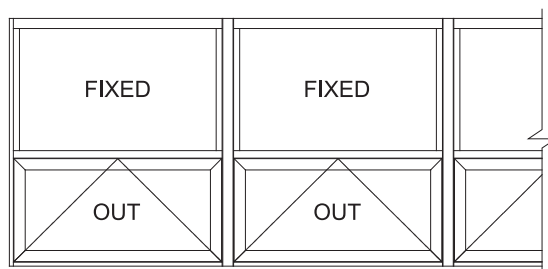


PROJECT OUT



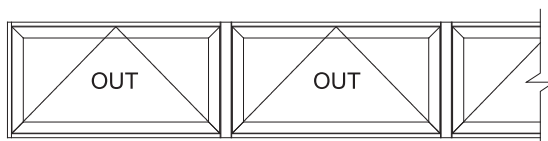
Note:

Units may utilize integral mulls for fixed over project out, project out over fixed, or project out over project out configurations. Additionally, alternate window types may be mulled with approved windows. Max vent and fixed lite sizes shall not be exceeded as shown herein.

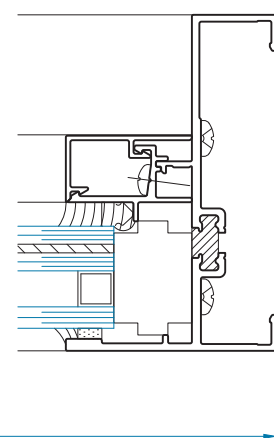
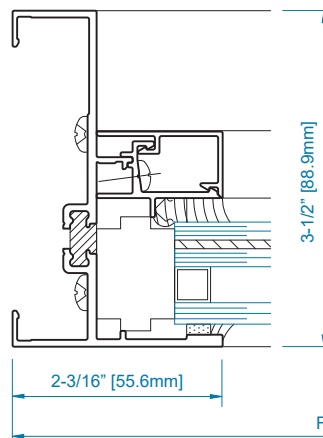
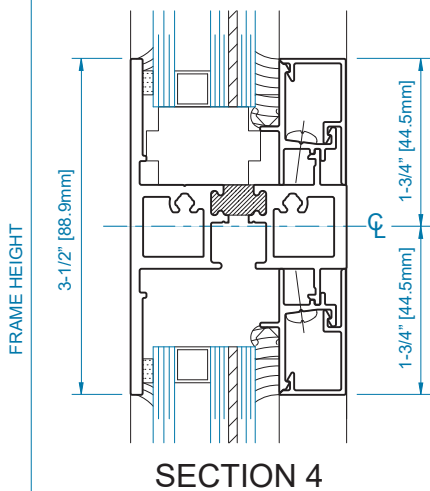
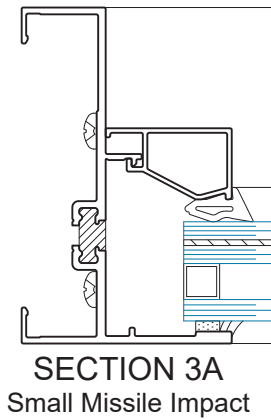
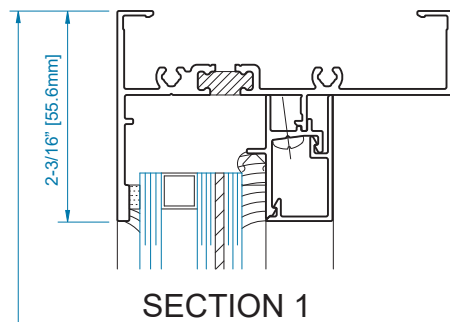
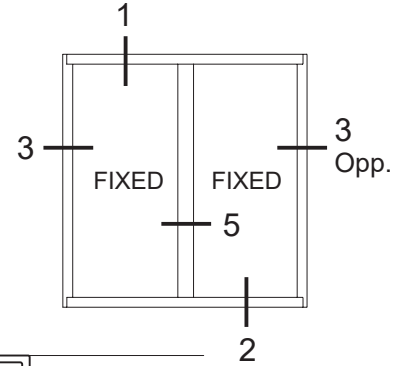
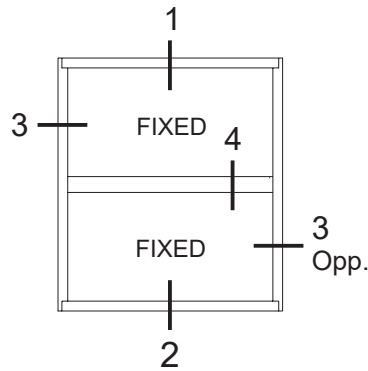
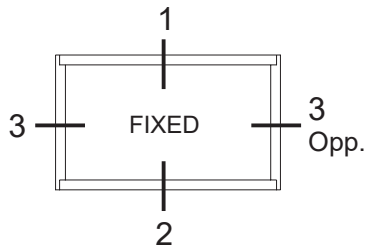


Note:

Units may be mulled sided by side in combinations of project out/fixed, project out/project out, and or other approved window types (see approved installation instructions YKK153, YKK154, YKK155, and YKK156). Mulls shall be as shown herein or approved under separate approval. Fixed windows and other alternate types under separate approval.



**YOW 350 TUH FIXED
1" Glazing**



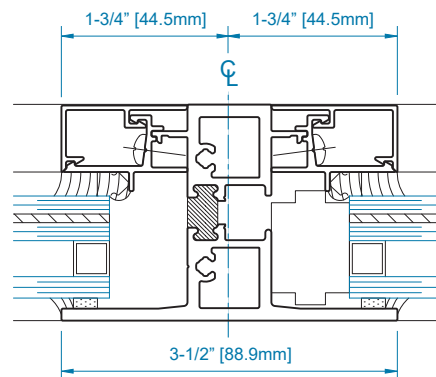
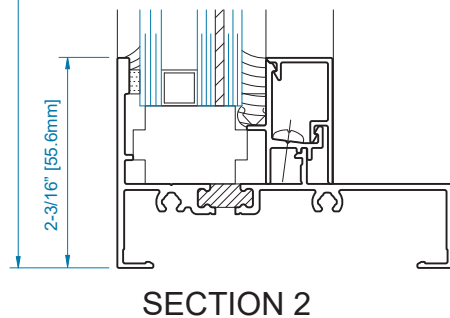
FRAME HEIGHT

FRAME WIDTH

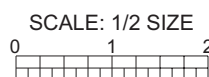
SECTION 3

SECTION 3 Opp.

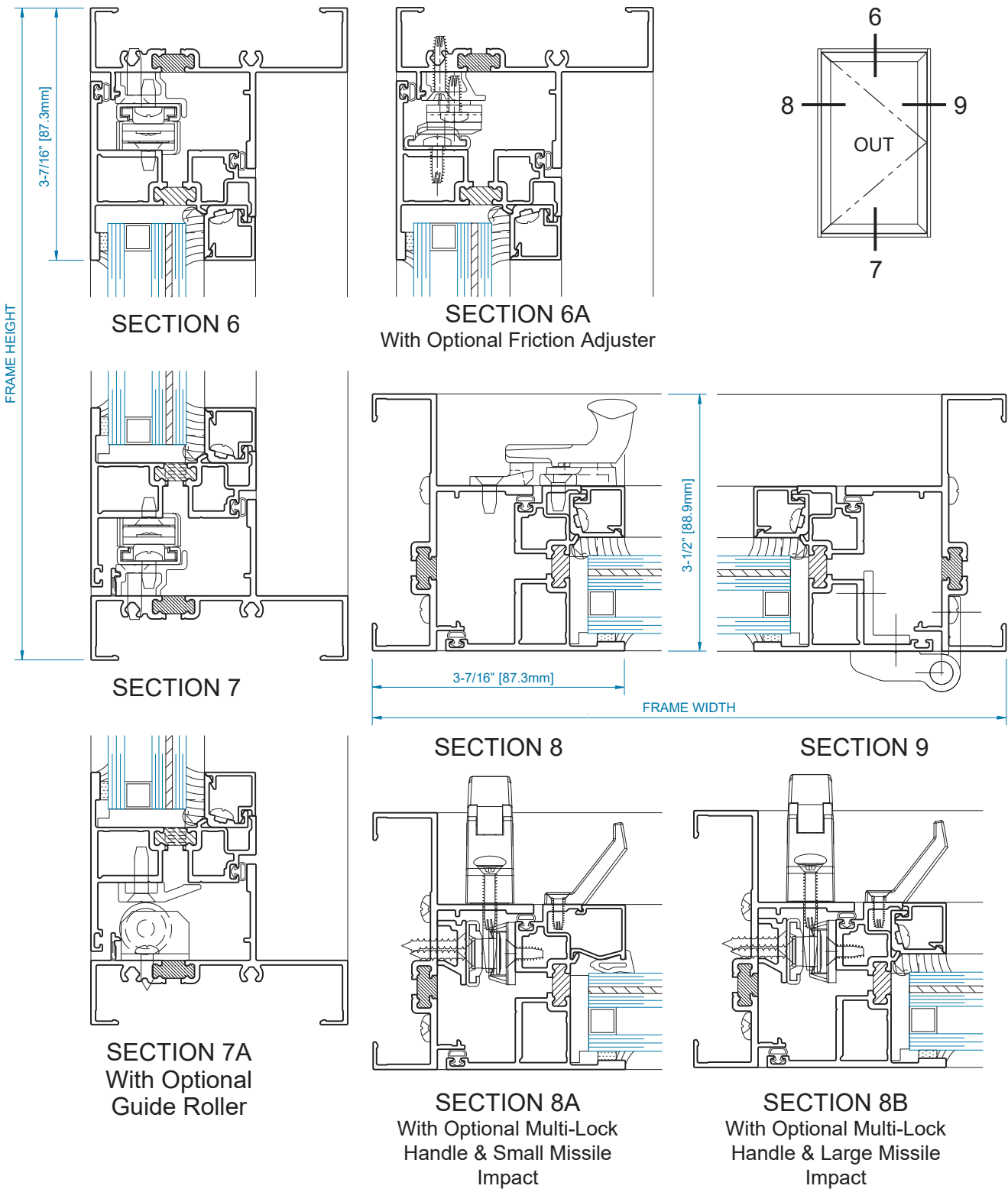
SECTION 4



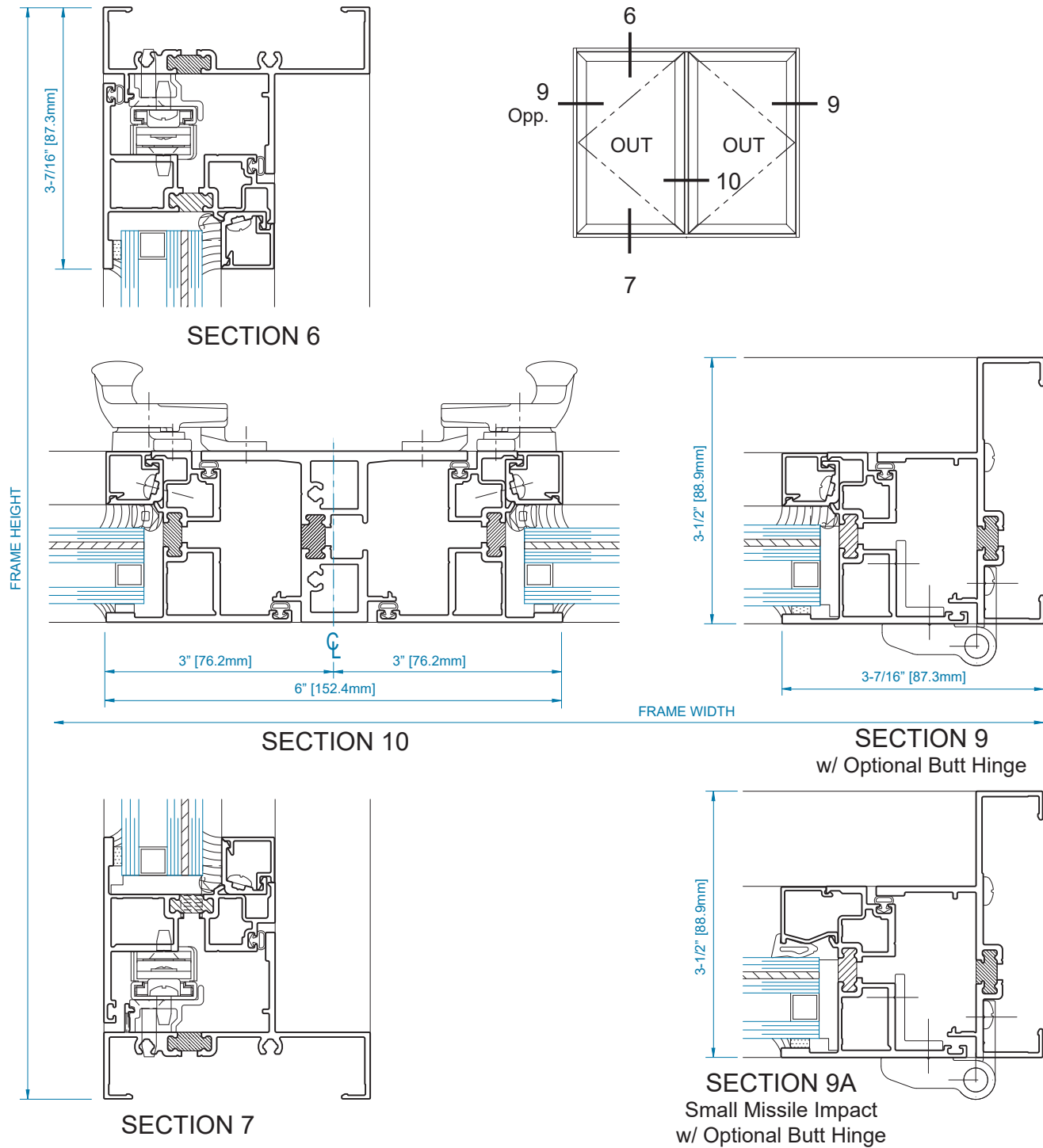
SECTION 5



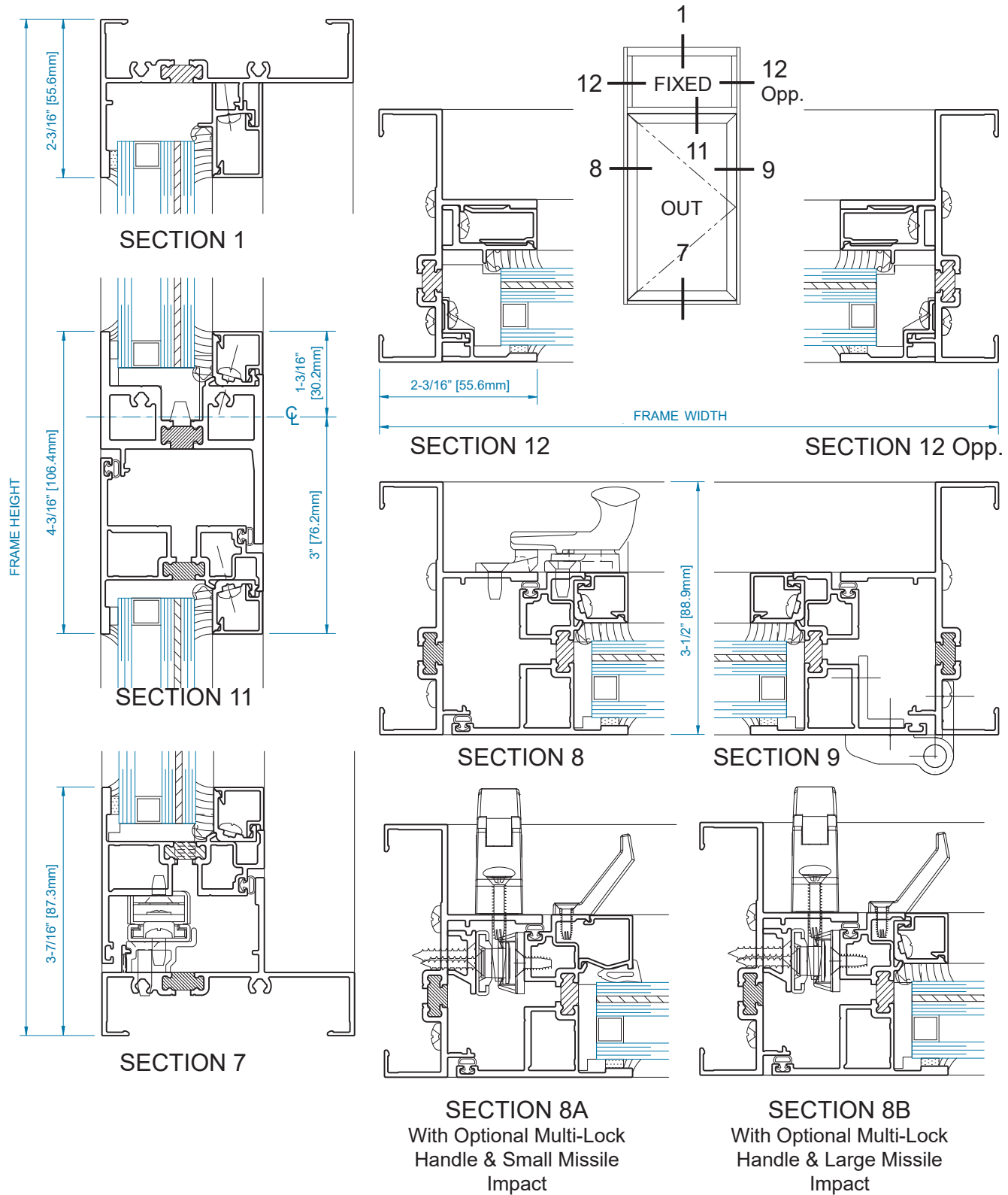
YOW 350 TUH CASEMENT OUTSWING
1" Glazing



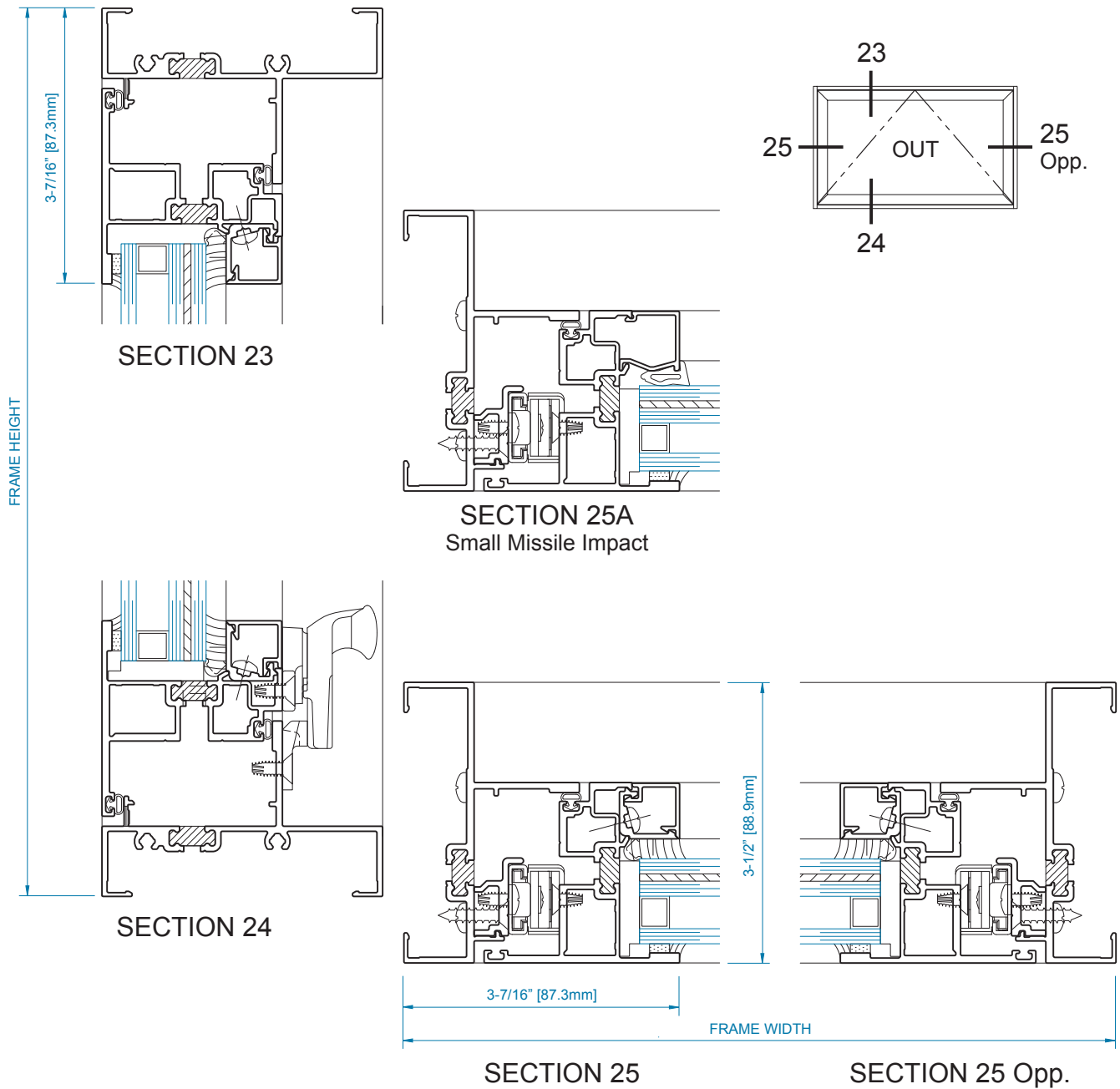
**YOW 350 TUH DOUBLE CASEMENT OUTSWING
1" Glazing**



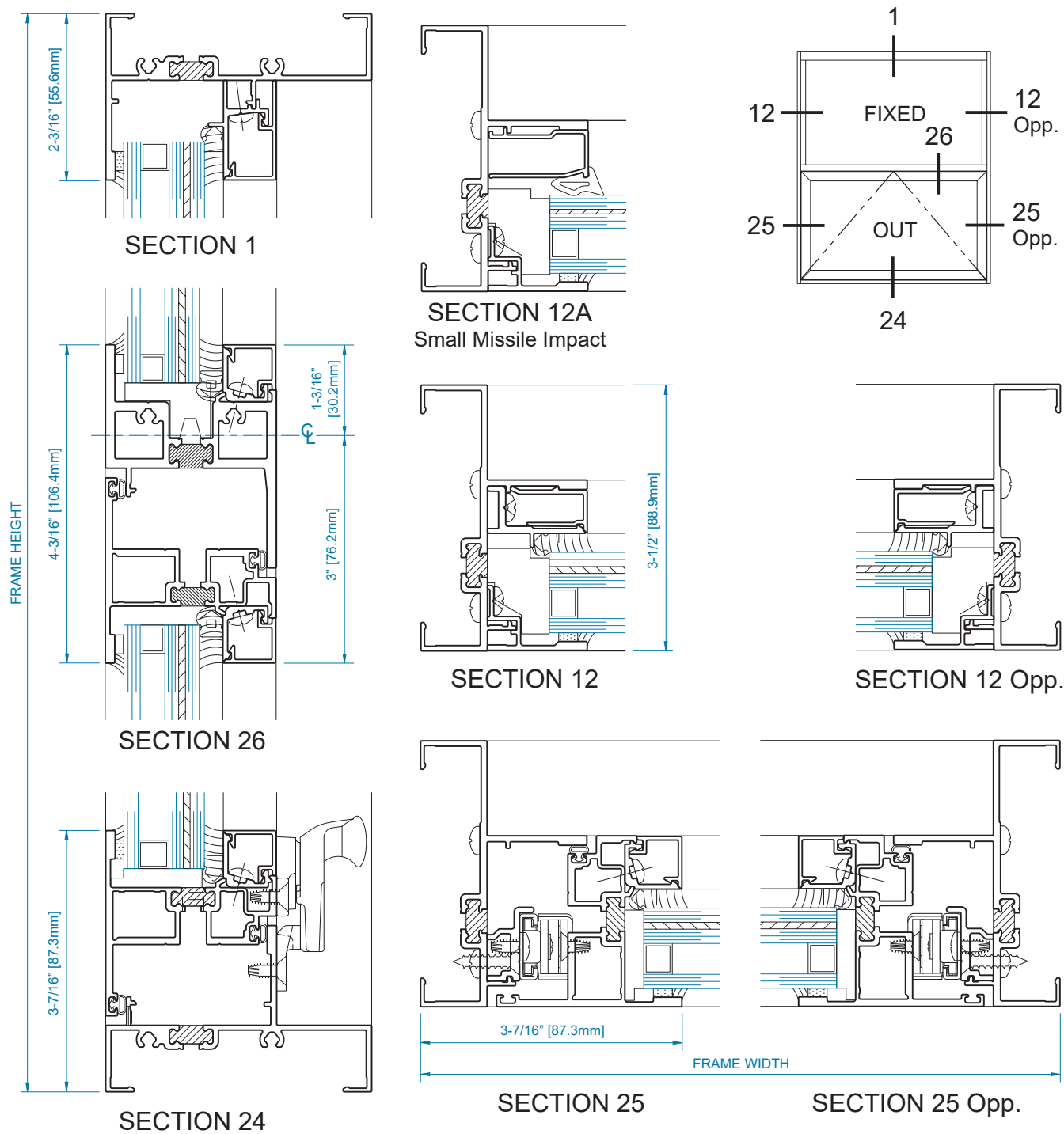
YOW 350 TUH FIXED/CASEMENT OUTSWING
1" Glazing



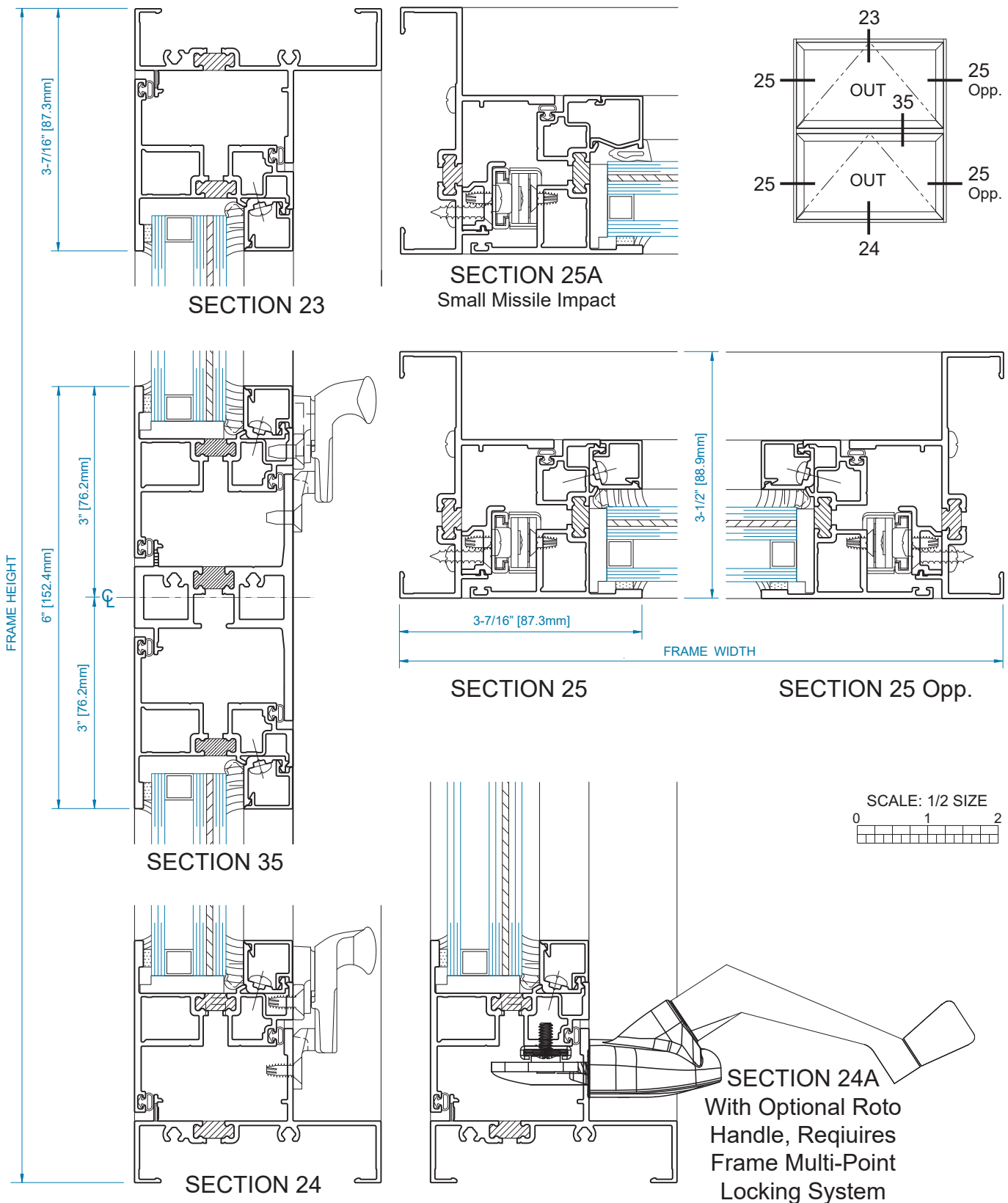
**YOW 350 TUH PROJECT OUT
1" Glazing**

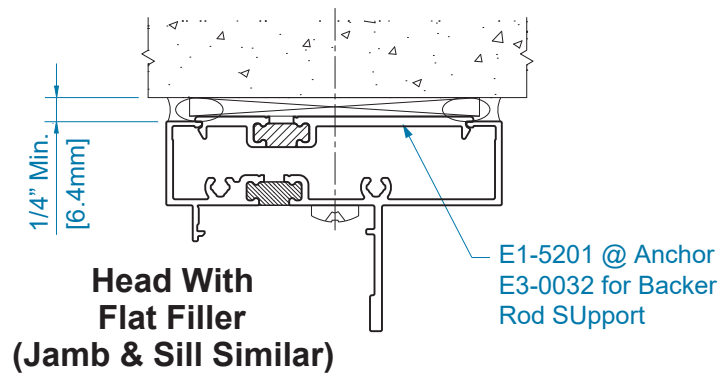
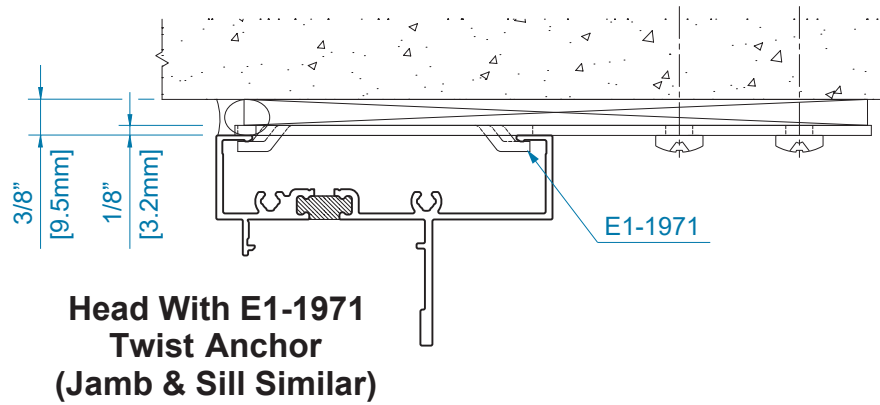
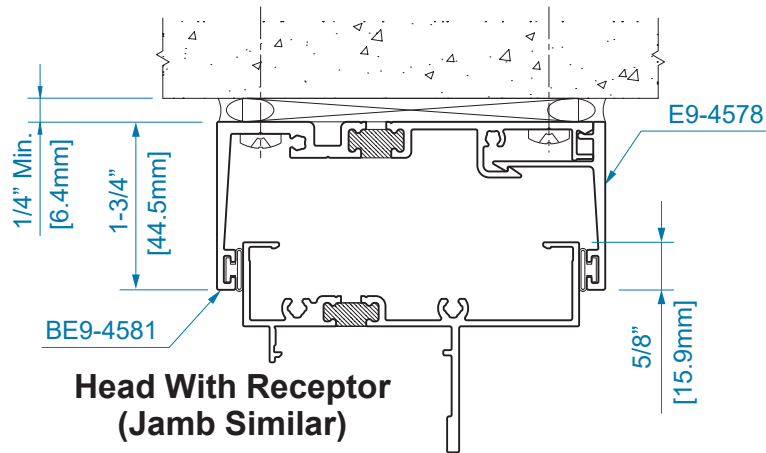


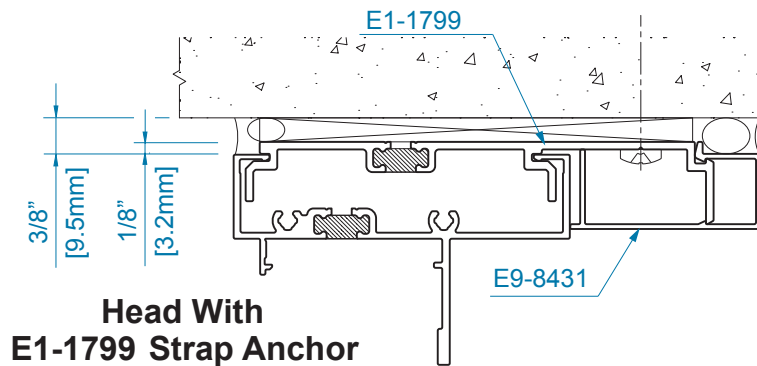
YOW 350 TUH FIXED/PROJECT OUT



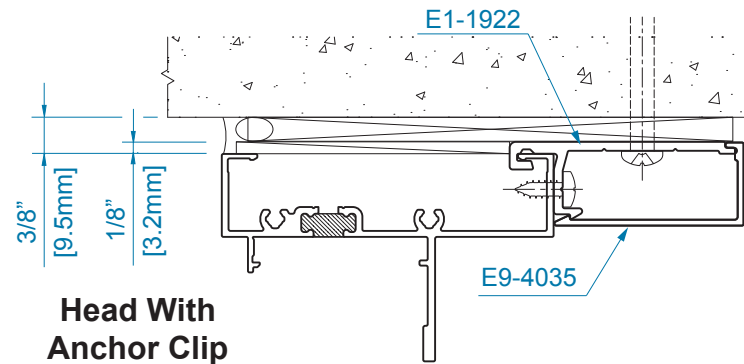
**YOW 350 TUH PROJECT OUT/PROJECT OUT
1" Glazing**



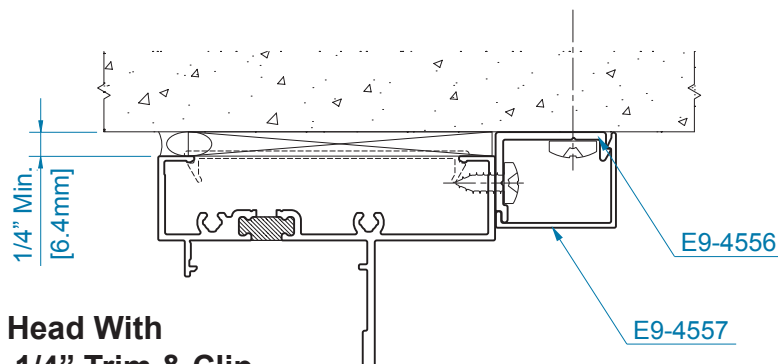




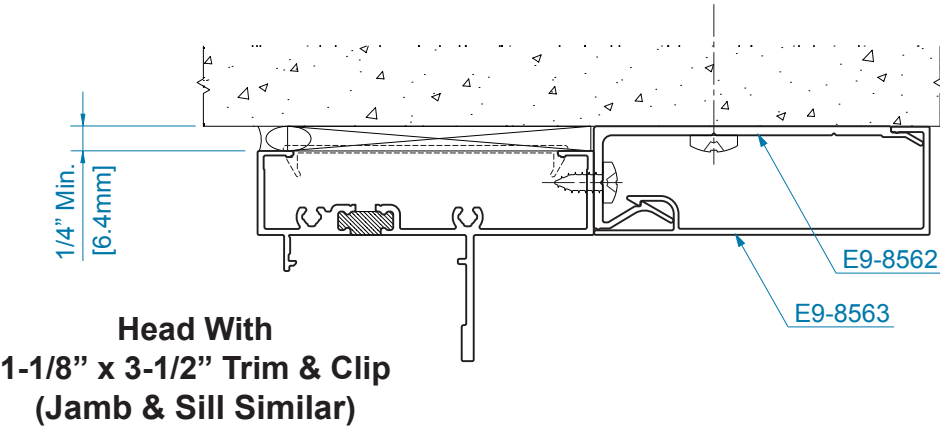
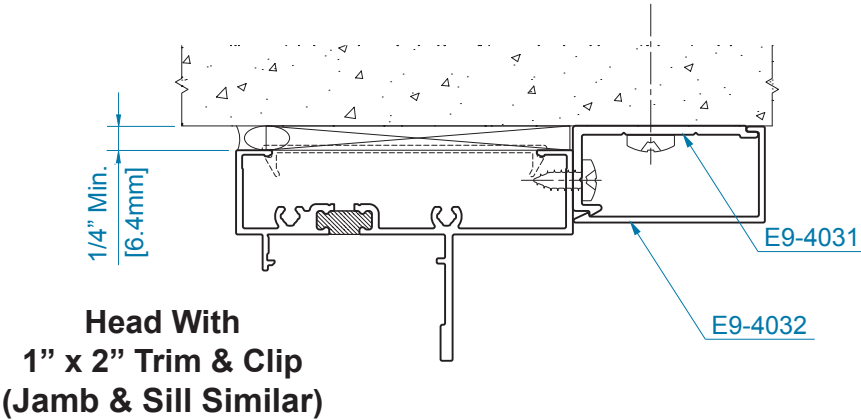
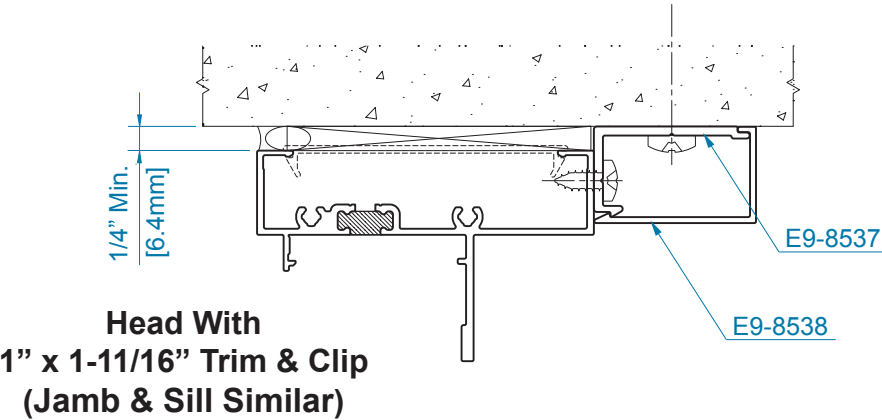
**Head With
E1-1799 Strap Anchor
And E9-8431 Cover
(Jamb & Sill Similar)**



**Head With
Anchor Clip
(Jamb & Sill Similar)**

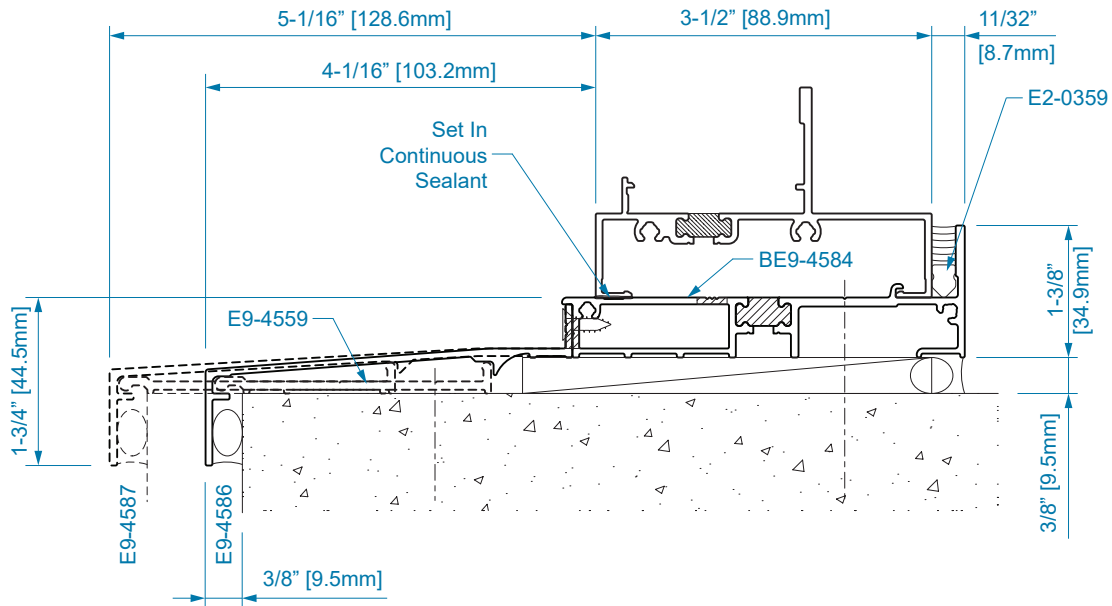


**Head With
1" x 1-1/4" Trim & Clip
(Jamb & Sill Similar)**

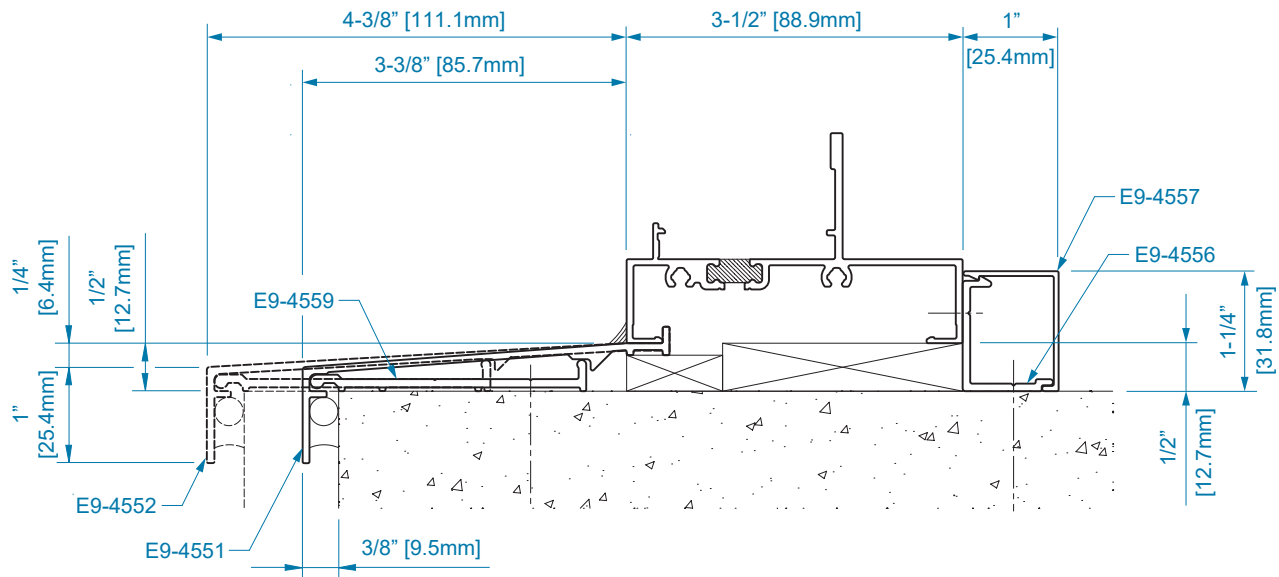


SILL FLASHING & EXTERIOR SILL TRIM DETAIL

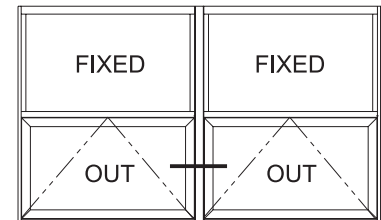
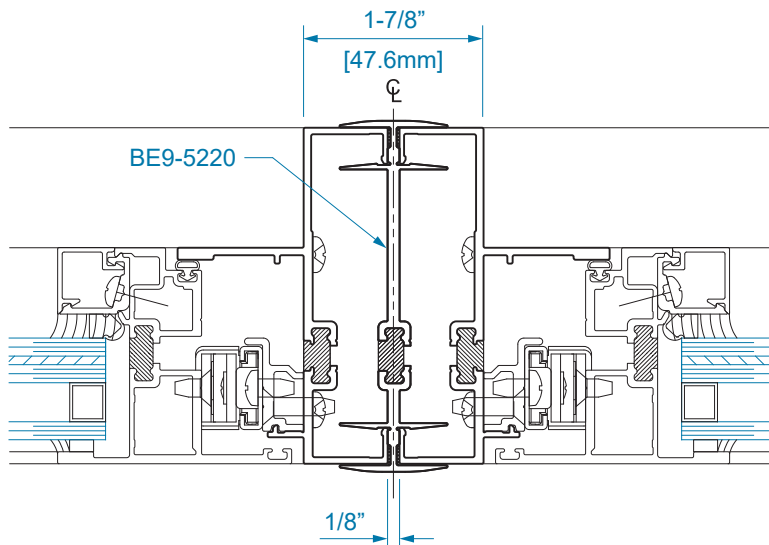
Note: For maximum design pressure $\leq \pm 30$ psf.



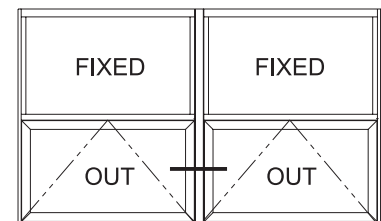
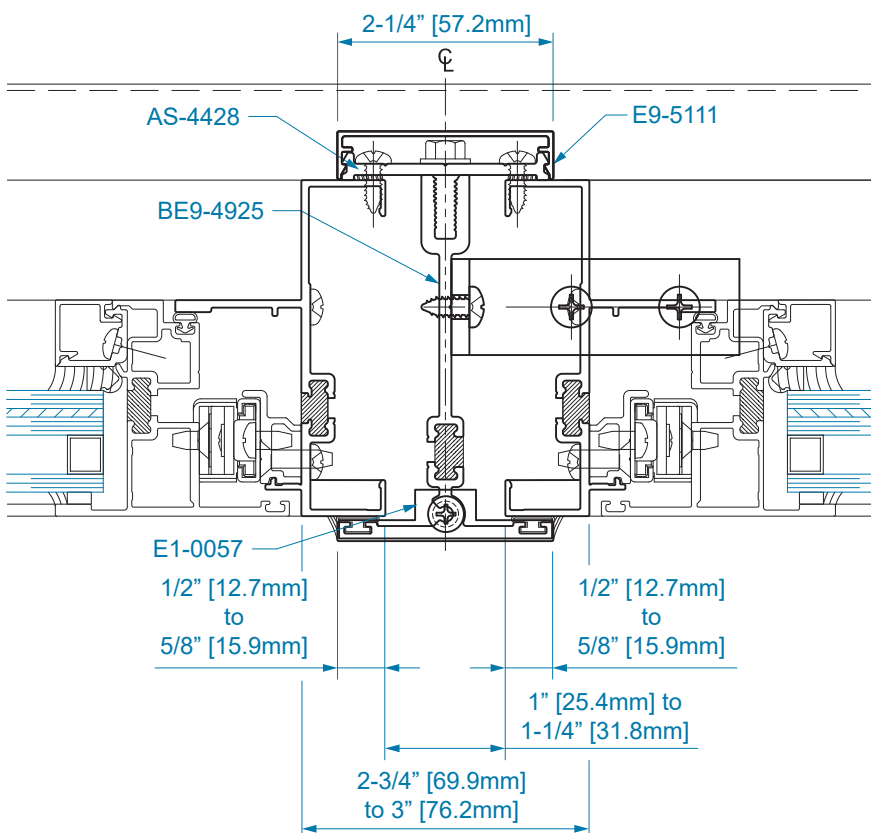
EXTERIOR SILL TRIM & CLIP DETAIL *



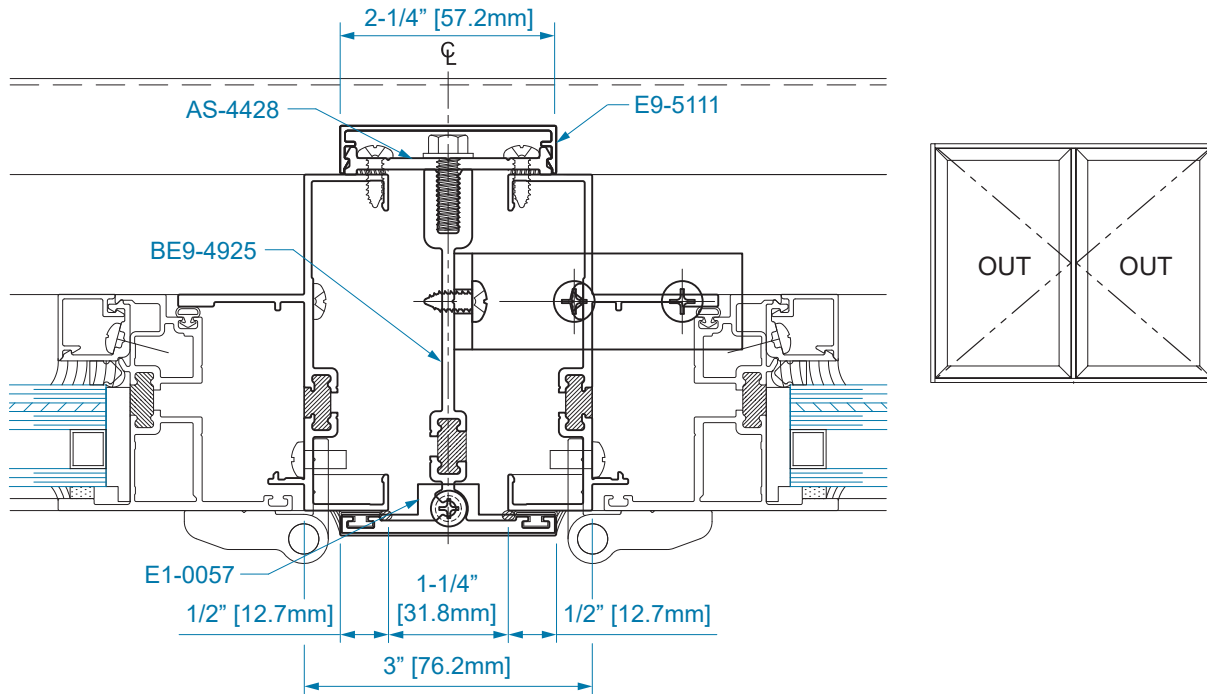
ZERO MULLION



STACKING MULLION W/ 4-BAR HINGE

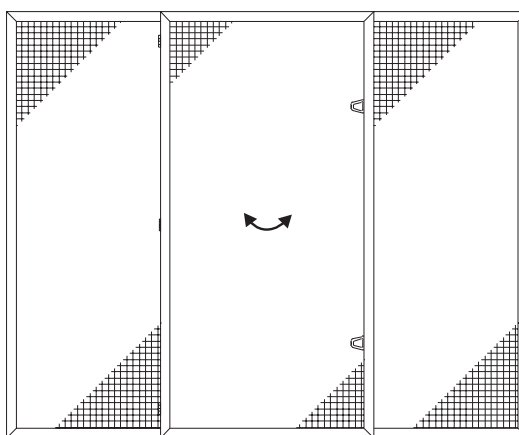
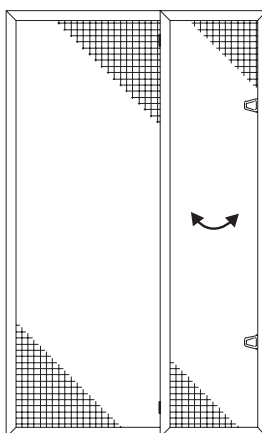


STACKING MULLION W/ BUTT HINGE

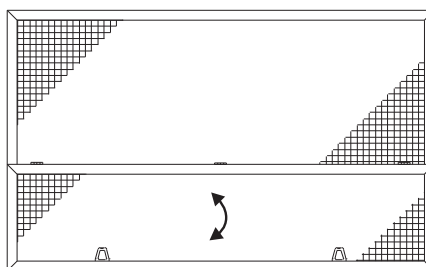


OPTIONAL SCREEN CONFIGURATIONS

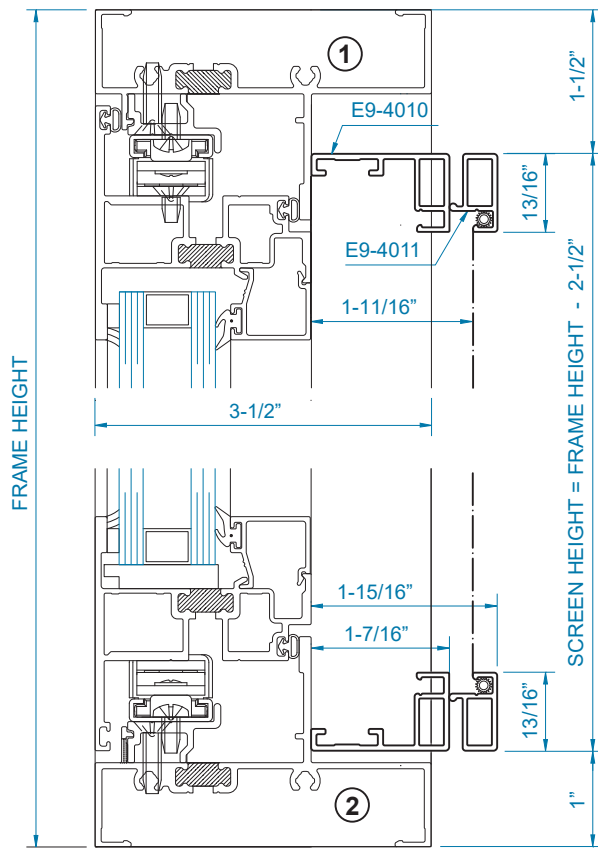
HINGED WICKET CASEMENT OUTSWING (INSTALLED ON INTERIOR)



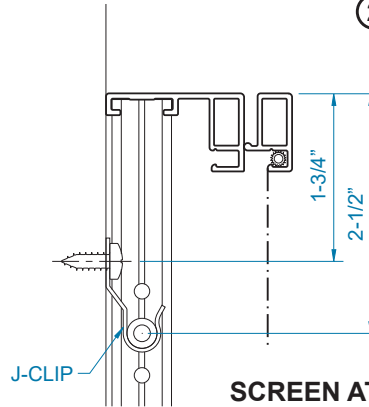
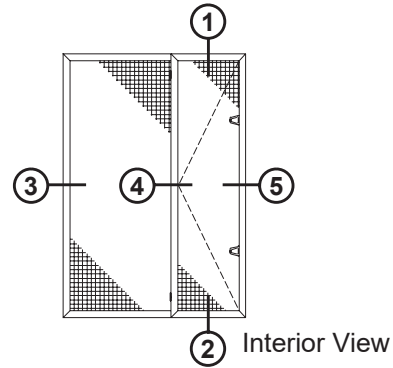
HINGED WICKET PROJECT OUT (INSTALLED ON INTERIOR)



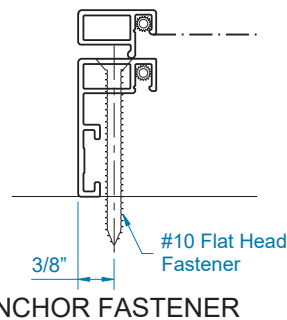
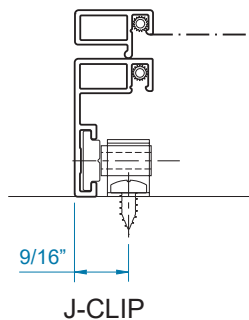
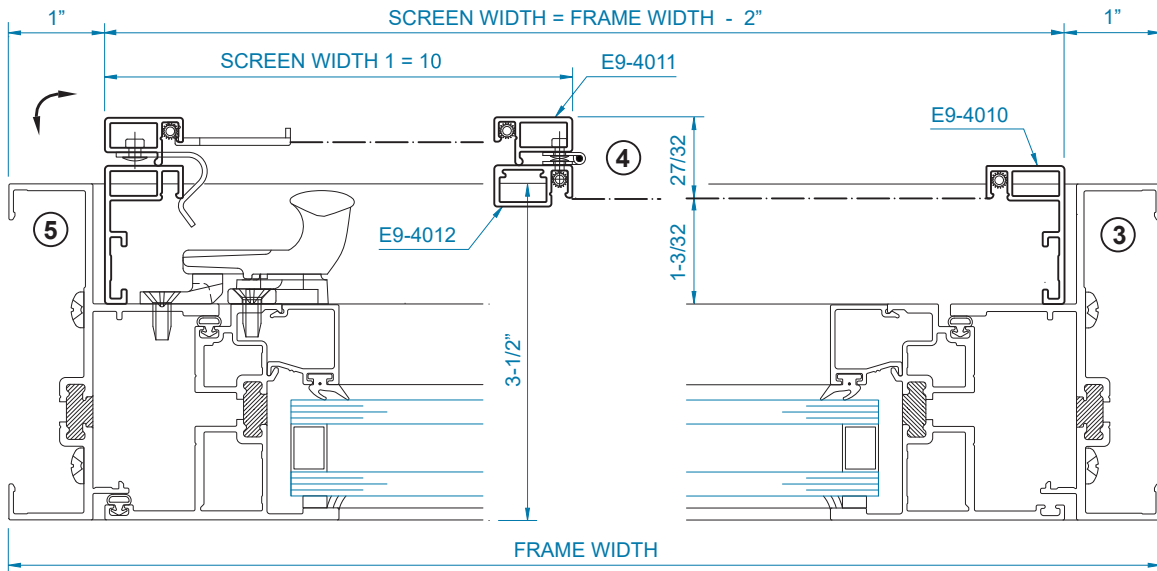
For additional information, contact YKK AP.

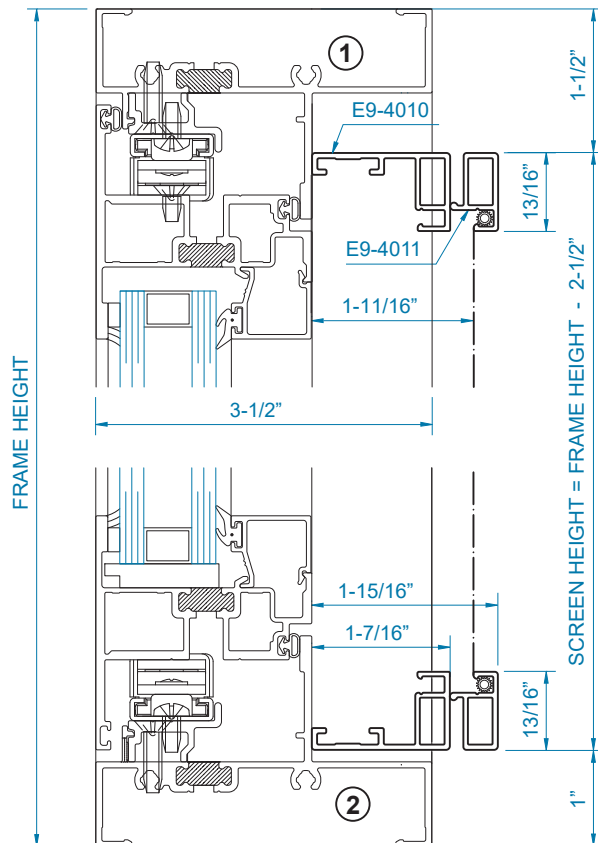


**SCREEN FOR CASEMENT OUTSWING
(INSTALLED ON INTERIOR)**

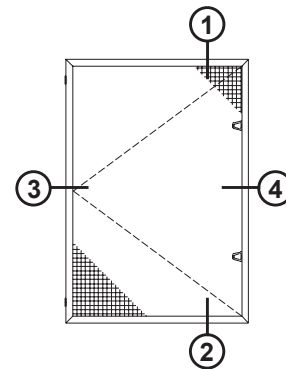


SCREEN ATTACHMENT OPTIONS

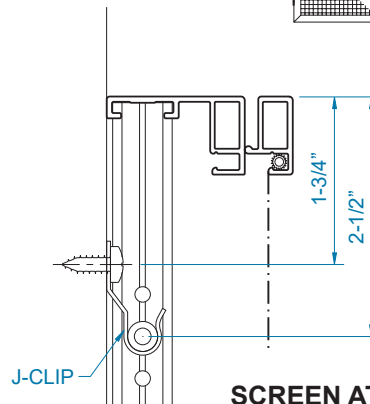




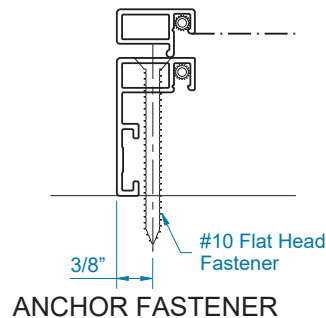
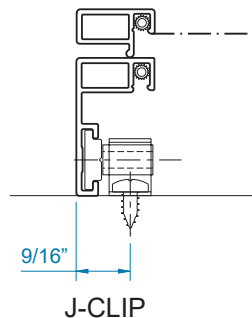
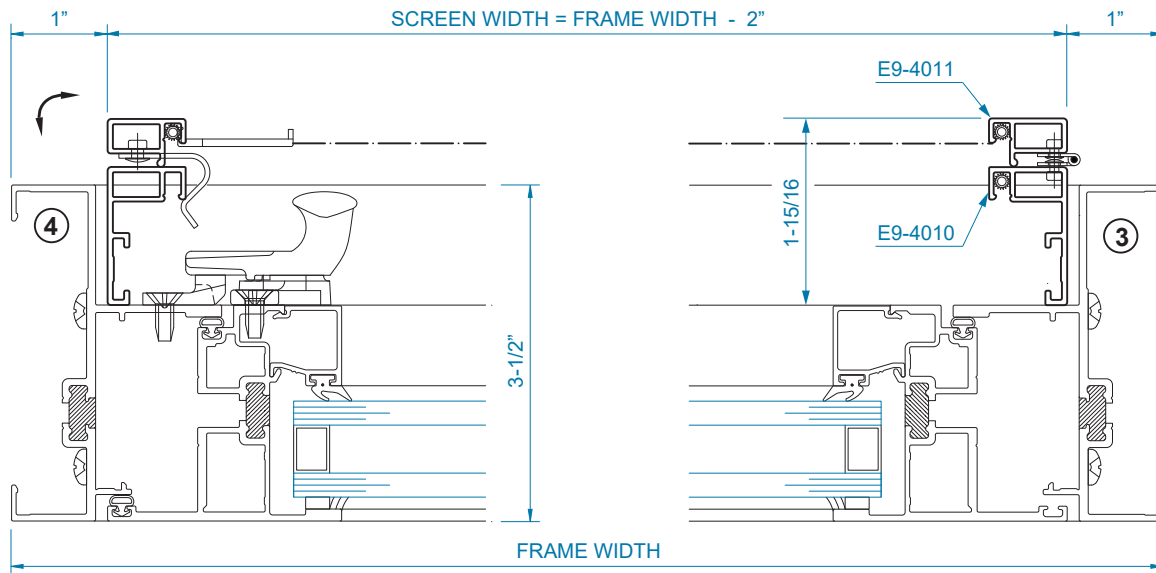
OPTIONAL FULL WICKET SCREEN FOR CASEMENT OUTSWING (INSTALLED ON INTERIOR)

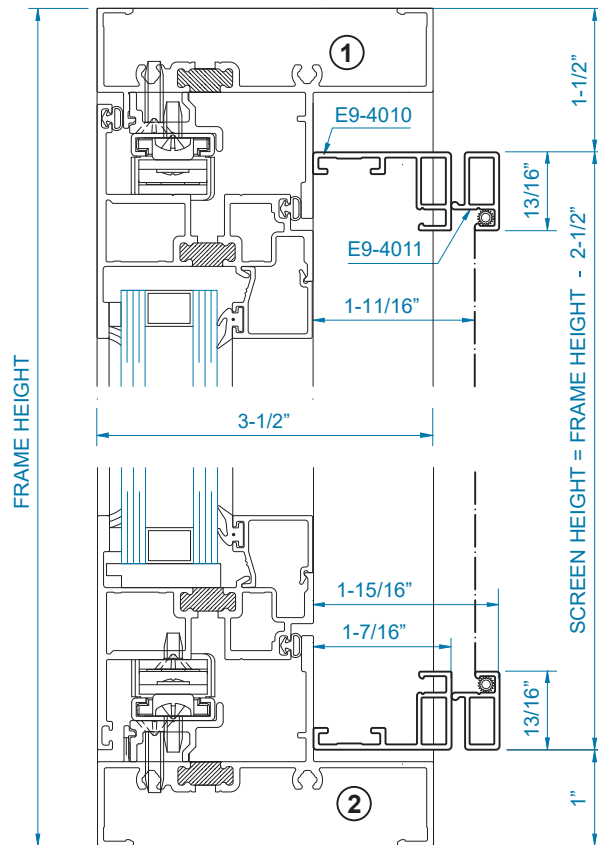


Interior View

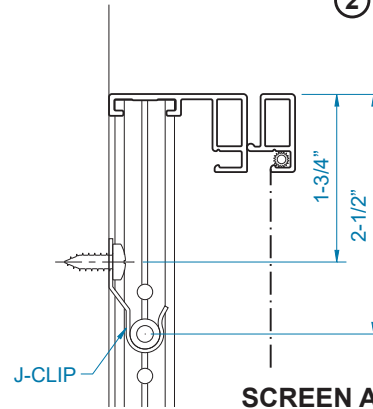
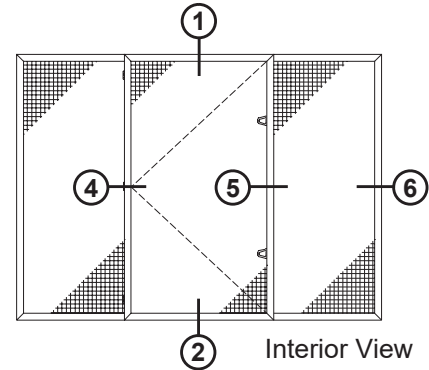


SCREEN ATTACHMENT OPTIONS

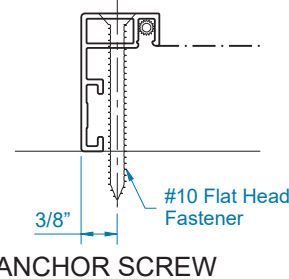
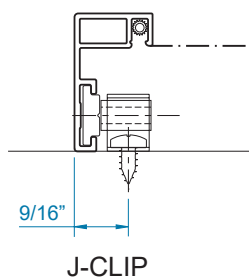
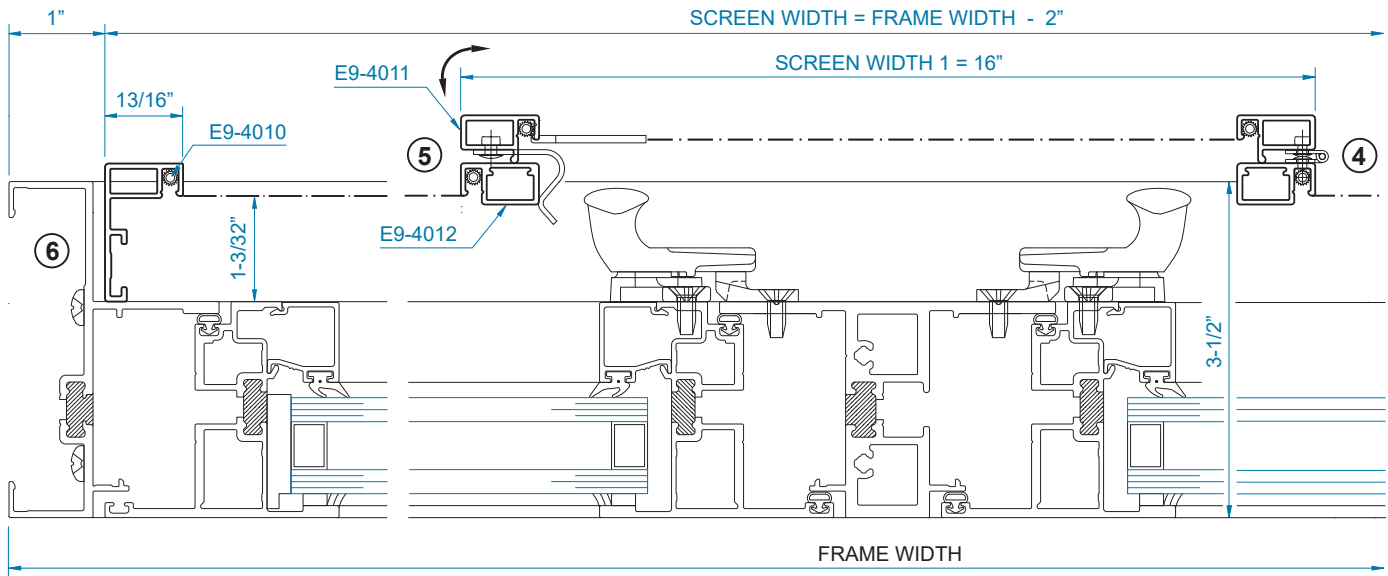


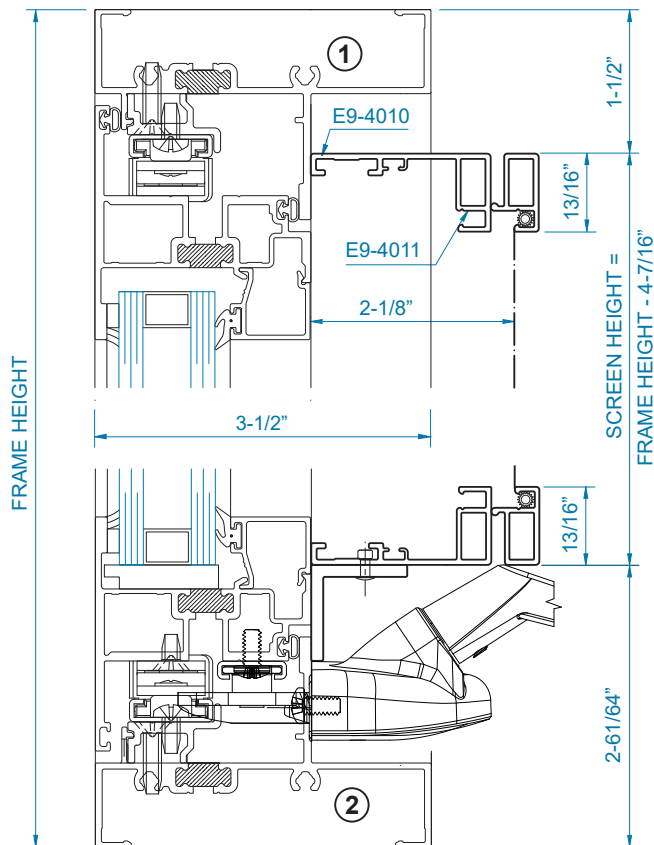


**SCREEN FOR DOUBLE CASEMENT OUTSWING
(INSTALLED ON INTERIOR)**

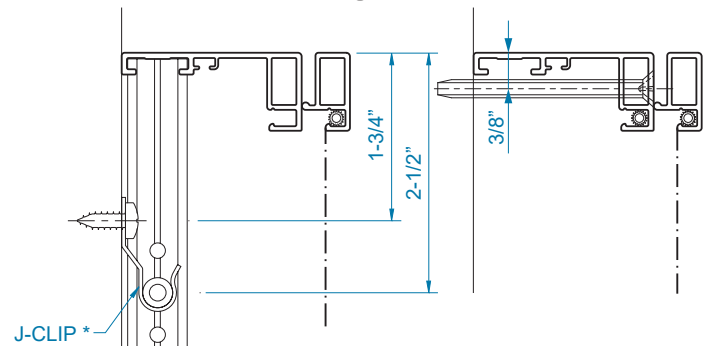
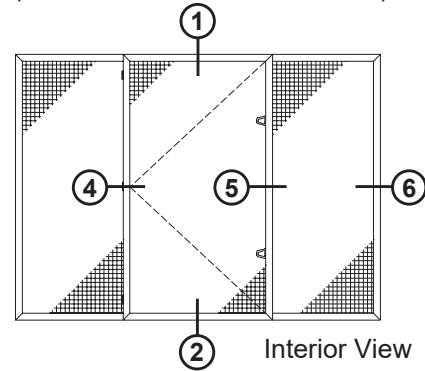


SCREEN ATTACHMENT OPTIONS



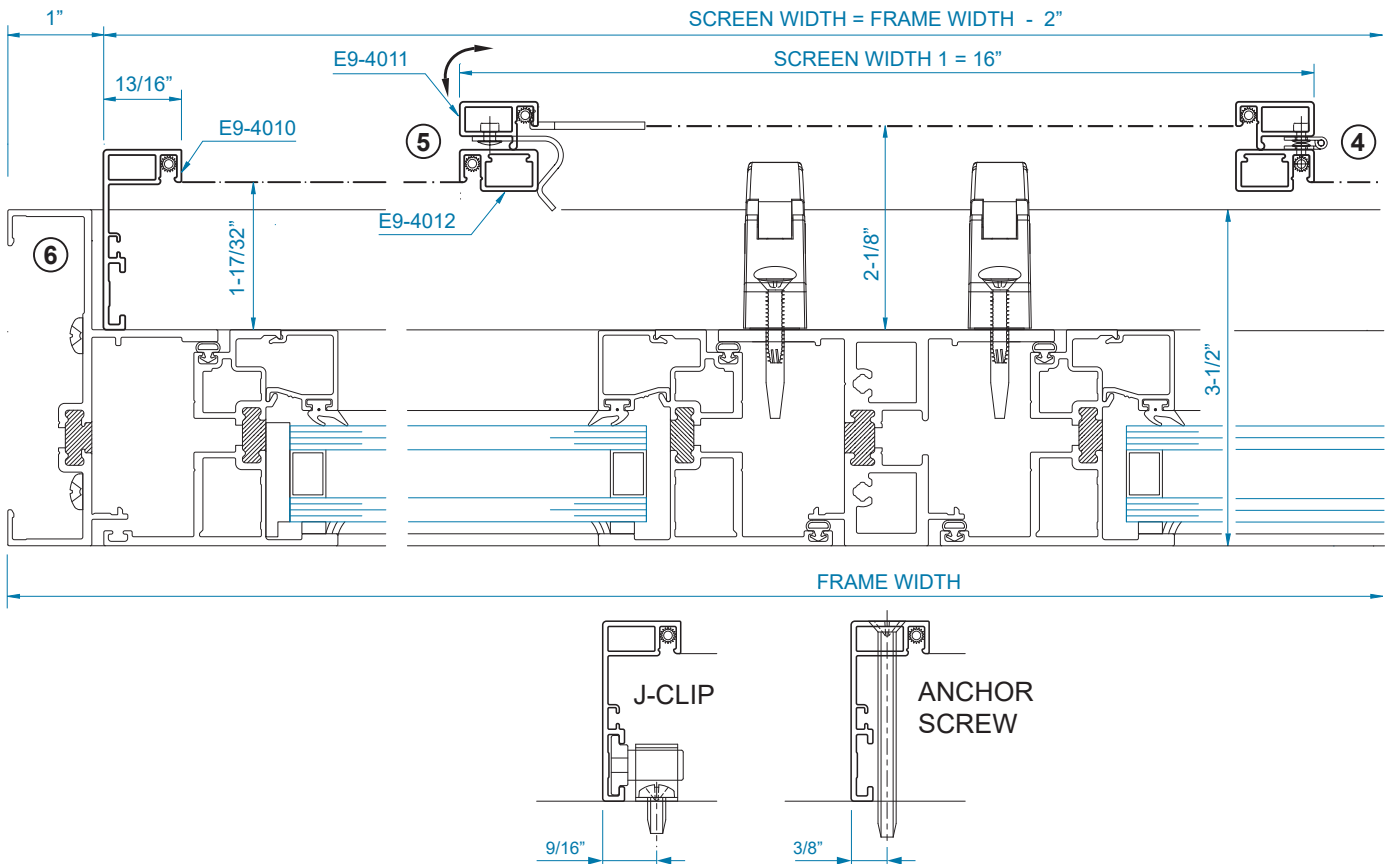


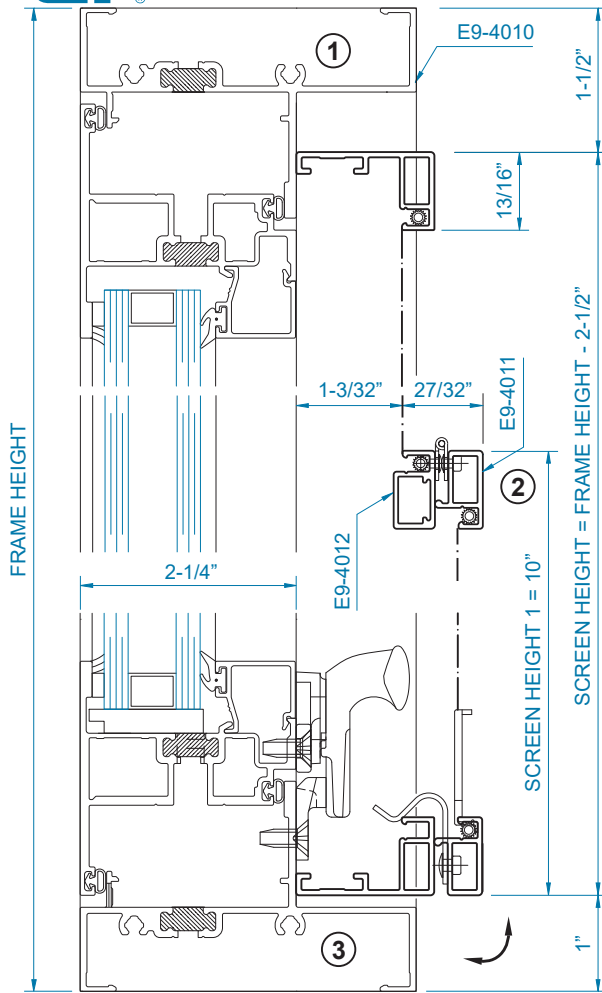
SCREEN FOR DOUBLE CASEMENT OUTSWING
(INSTALLED ON INTERIOR)



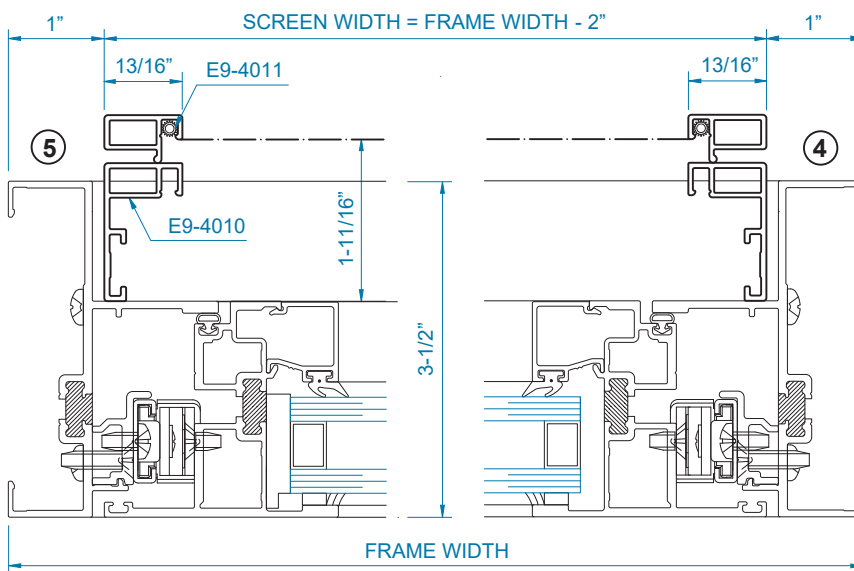
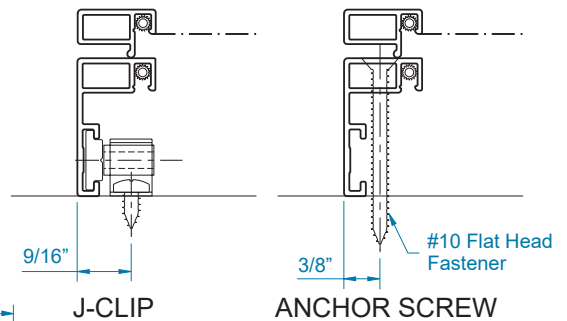
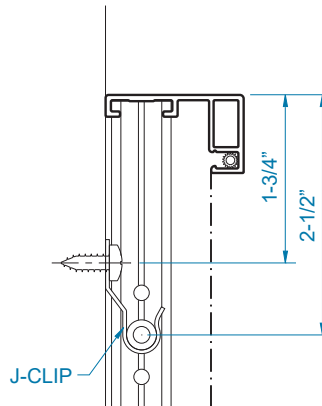
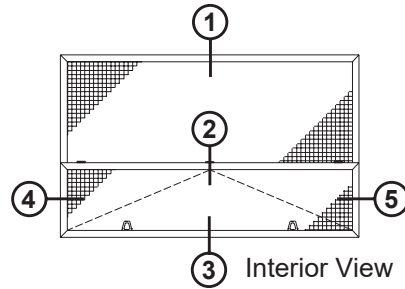
SCREEN ATTACHMENT OPTIONS

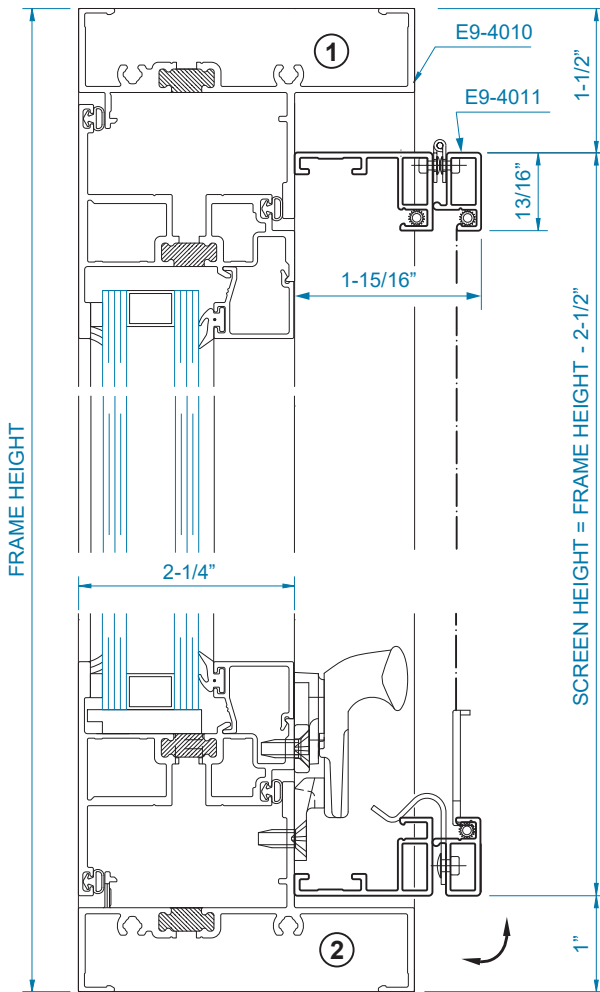
* Clip not finished to match screen or window



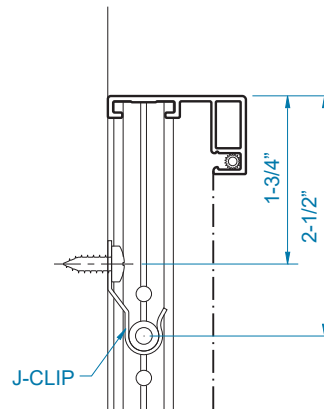
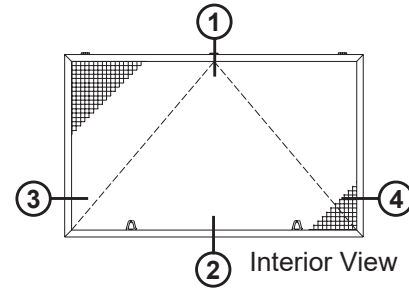


**SCREEN FOR PROJECT OUT
(INSTALLED ON INTERIOR)**

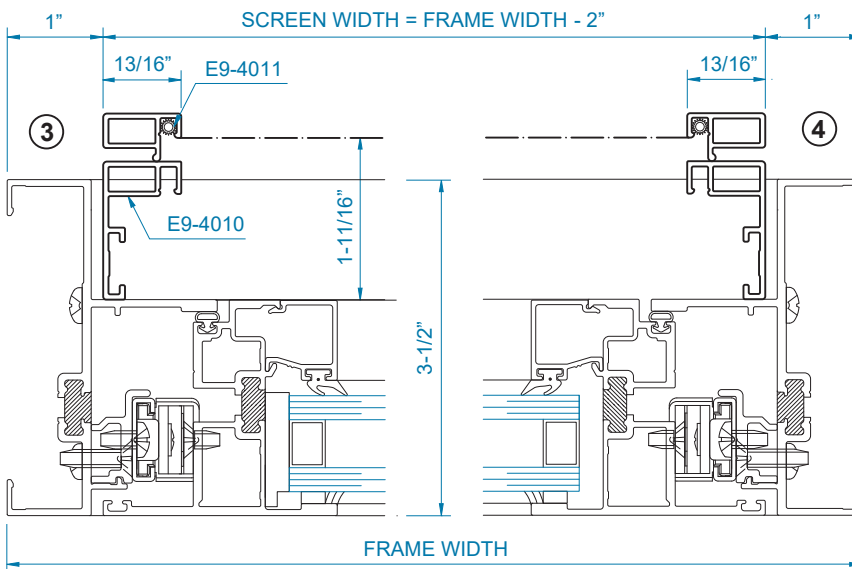
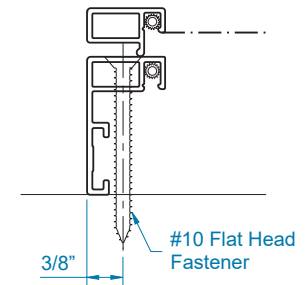
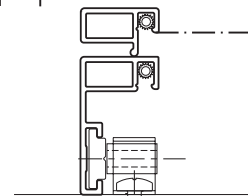




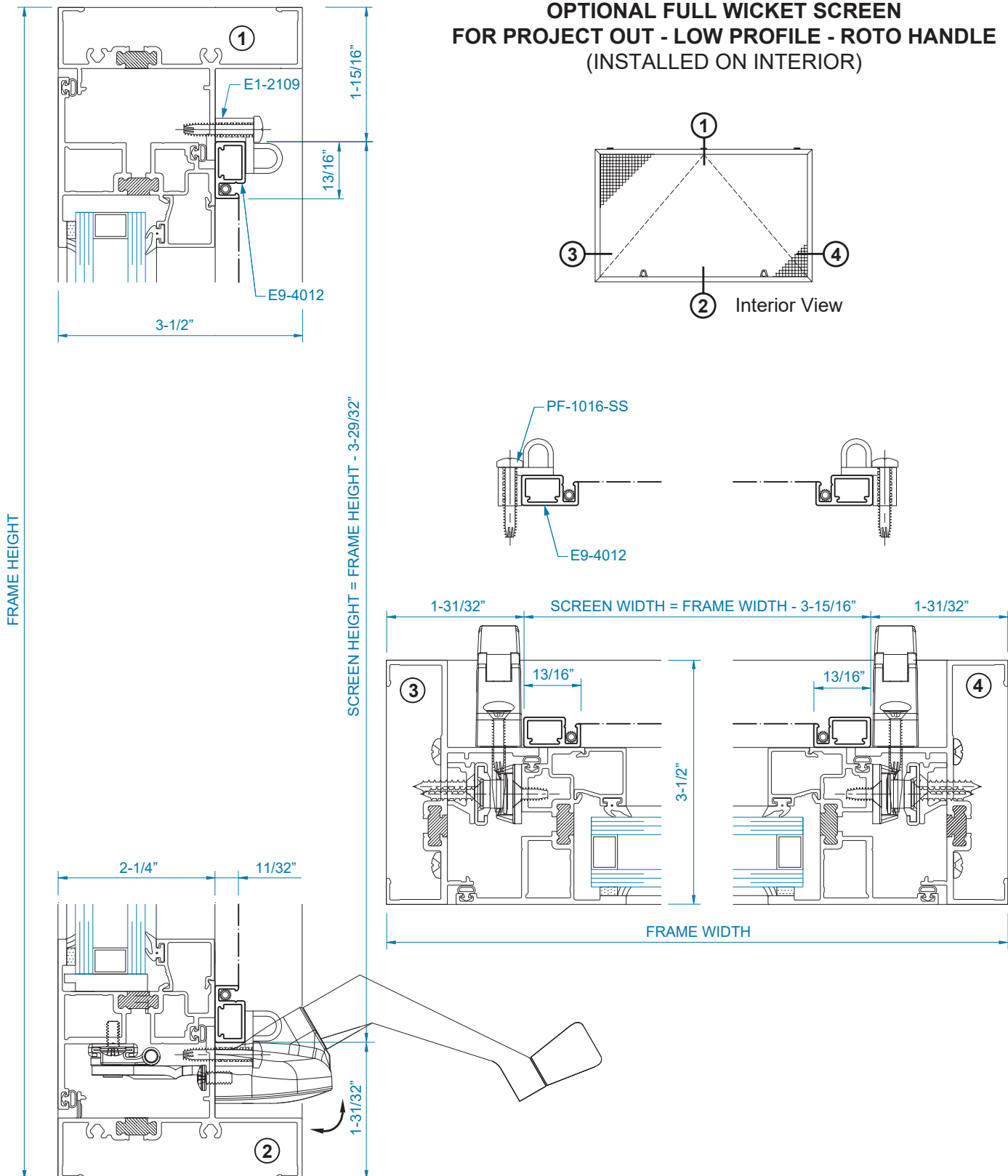
OPTIONAL FULL WICKET SCREEN
FOR PROJECT OUT
(INSTALLED ON INTERIOR)



SCREEN
ATTACHMENT
OPTIONS



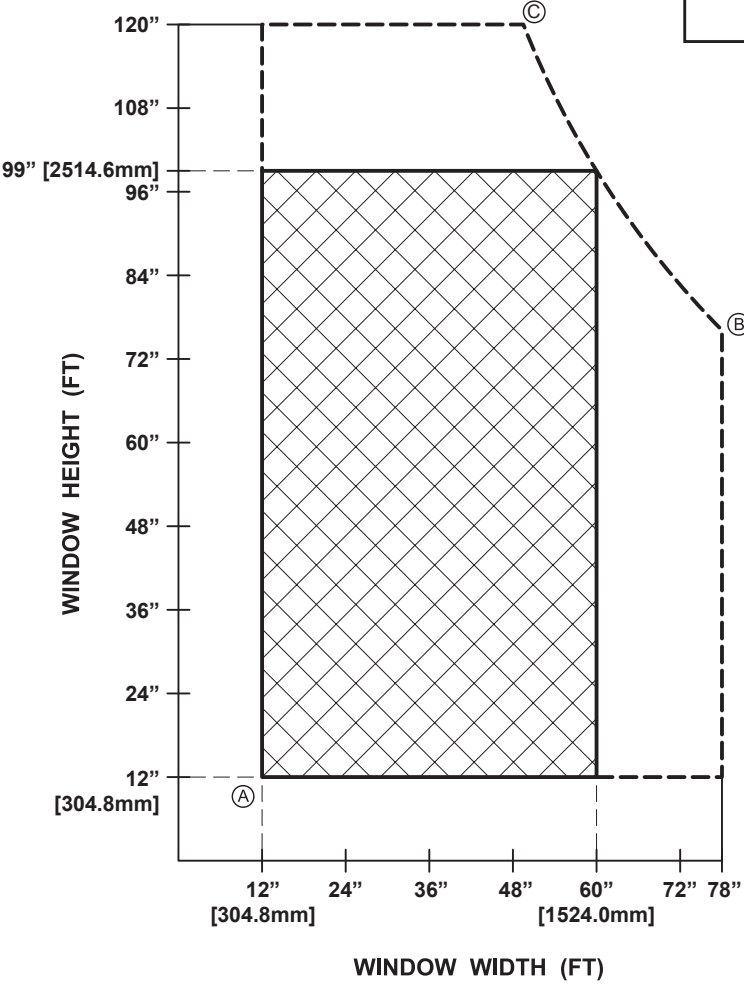
**OPTIONAL FULL WICKET SCREEN
FOR PROJECT OUT - LOW PROFILE - ROTO HANDLE
(INSTALLED ON INTERIOR)**



FIXED WINDOW

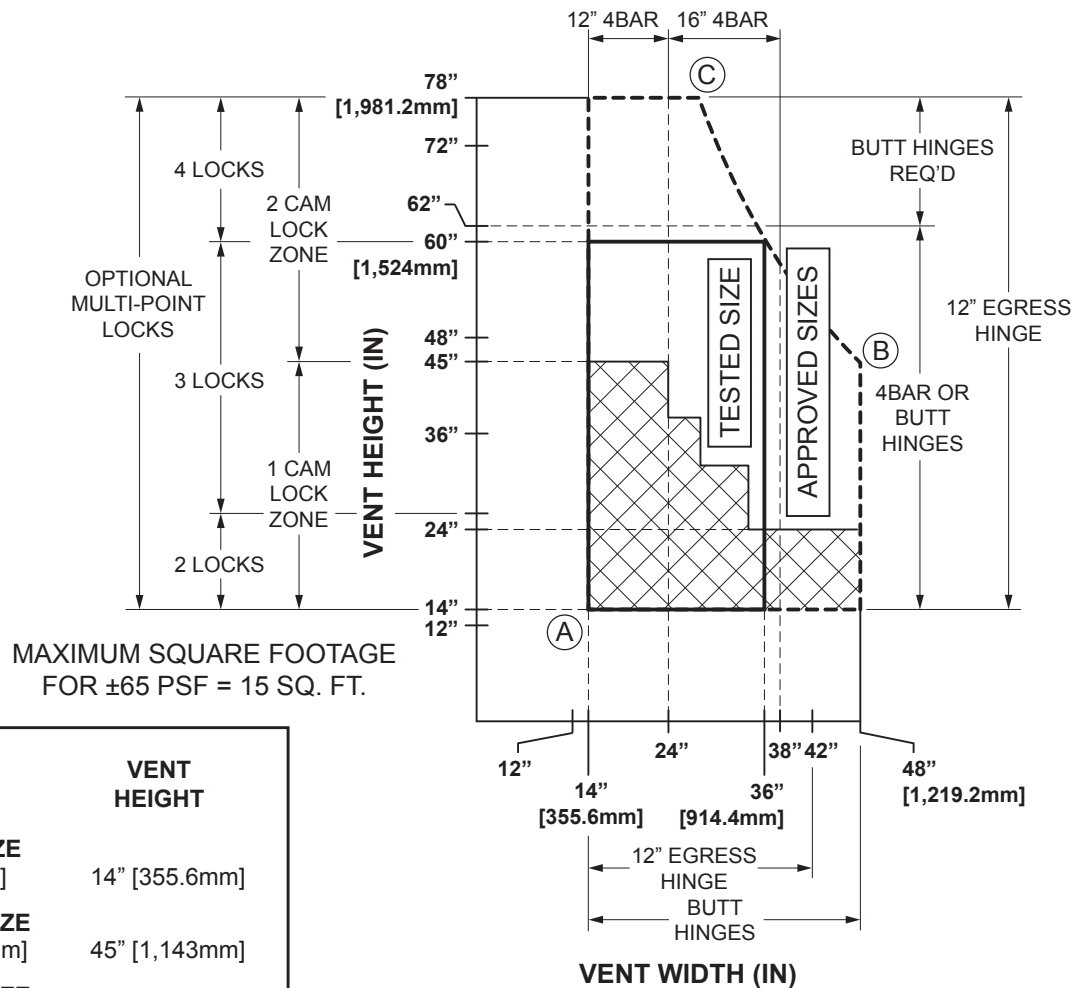
1. SIZE LIMITATIONS: (Based on AW ±100 PSF Design Load, Wind Zone 3 Only))

WINDOW WIDTH	WINDOW HEIGHT
Ⓐ MAXIMUM SIZE 12" [304.8mm]	12" [304.8mm]
Ⓑ MAXIMUM SIZE 78" [1981.2mm]	76-1/8" [1933.6mm]
Ⓒ MAXIMUM SIZE 49-1/2" [1257.5mm]	120" [3048.0mm]



CASEMENT OUT

1. SIZE LIMITATIONS: (Based on AW ±65 PSF Design Load, Wind Zone 3 Only)



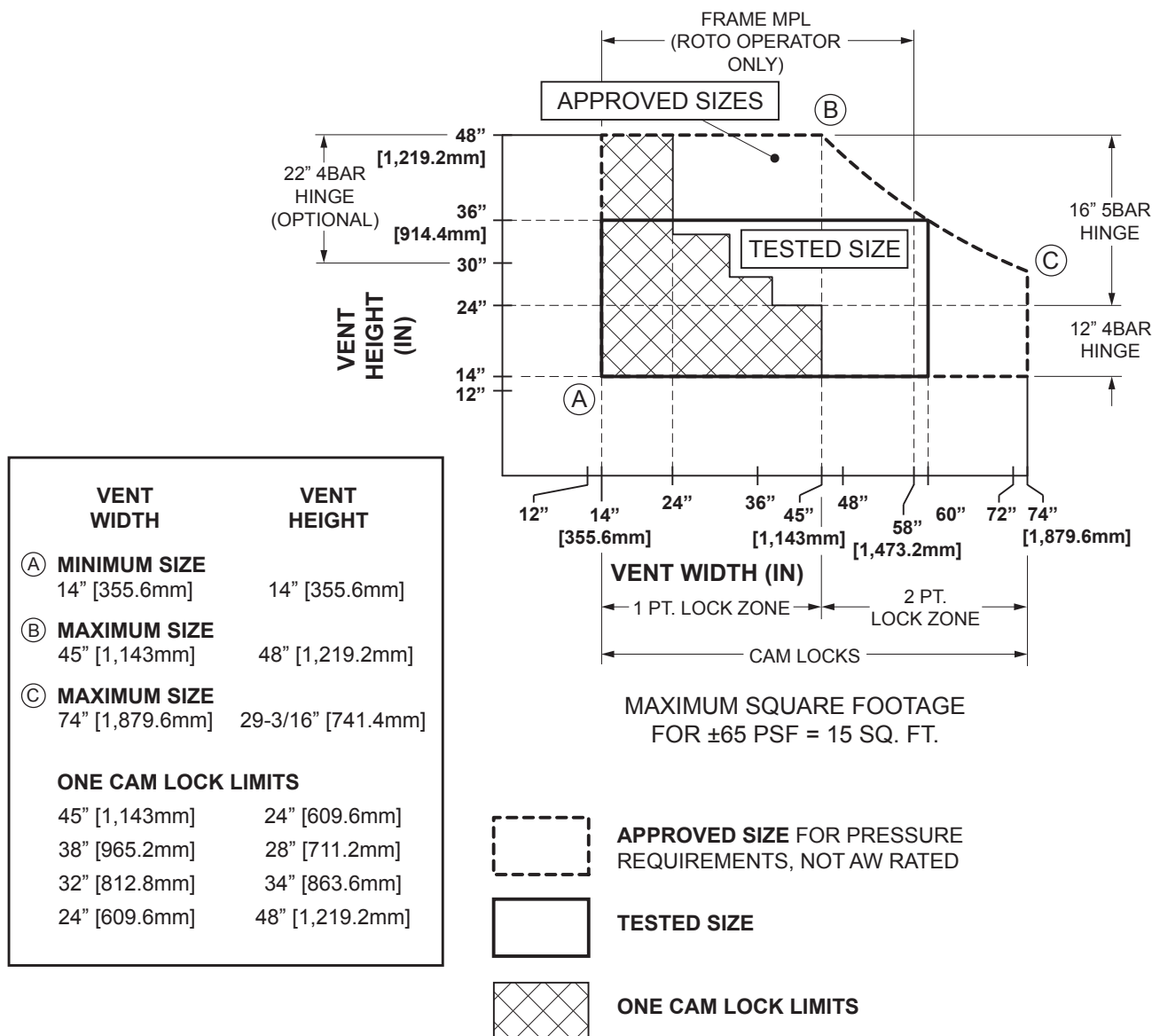
VENT WIDTH	VENT HEIGHT
Ⓐ MINIMUM SIZE 14" [355.6mm]	14" [355.6mm]
Ⓑ MAXIMUM SIZE 48" [1,219.2mm]	45" [1,143mm]
Ⓒ MAXIMUM SIZE 27-5/8" [701.7mm]	78" [1,981.2mm]
ONE CAM LOCK LIMITS	
24" [609.6mm]	45" [1,143mm]
28" [711.2mm]	38" [965.2mm]
34" [863.6mm]	32" [812.8mm]
48" [1,219.2mm]	24" [609.6mm]

- APPROVED SIZE FOR PRESSURE REQUIREMENTS, NOT AW RATED**
- TESTED SIZE**
- ONE CAM LOCK LIMITS**

2. FOUR BAR HINGE USAGE

PART NO.	LENGTH	VENT WIDTH	MAX. WEIGHT	MAX. OPENING ANGLE
4K-14207	12"	≤ 24" [609.6mm]	83lbs [38.0kg]	90°
4K-14208	16"	> 24" [609.6mm]	117lbs [53.0kg]	90°
E1-1957	12" Egress	> 13" [330.2mm]	170lbs [77.1kg]	90°

PROJECT OUT

1. SIZE LIMITATIONS: (Based on AW ± 65 PSF Design Load, Wind Zone 3 Only)

2. FOUR BAR HINGE USAGE

PART NO.	LENGTH	VENT HEIGHT	MAX. WEIGHT	MAX. OPENING ANGLE
4K-14207	12"	≤ 24" [609.6mm]	90 lbs [40.8kg]	20° w/ Limit Stop
5K-15284	16"	> 24" [609.6mm]	130 lbs [59.0kg]	30° w/o Limit Stop
4K-14209	22"	> 30" [762.0mm]	140 lbs [63.5kg]	45° w/ Limit Stop

YOW 350 TU / TUH HARDWARE GUIDE

	DESCRIPTION	CASEMENT OUT	CASEMENT IN	PROJECT OUT	PROJECT IN
LOCKING HARDWARE	CAM HANDLES	STANDARD	STANDARD	STANDARD	STANDARD
	CUSTODIAL CAM LOCK (HEX KEY)	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
	MULTI-LOCK HANDLE	OPTIONAL	OPTIONAL	OPTIONAL	
	CUSTODIAL MULTI-LOCK (HEX KEY)	OPTIONAL	OPTIONAL	OPTIONAL	
	POLE RING LOCKS	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
HINGE & LIMIT STOP HARDWARE	4 BAR HINGES	STANDARD	STANDARD	STANDARD	STANDARD
	BUTT HINGES	OPTIONAL	OPTIONAL		
	FRICTION ADJUSTERS	STANDARD W/ BUTT HINGES	STANDARD W/ BUTT HINGES		
	4-BAR EGRESS HINGES	OPTIONAL			
	LIMIT STOP IN 4-BAR HINGE ONLY	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
	KEYED LIMIT DEVICE	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
	4" LIMIT DEVICE (APPROVED FOR NEW YORK CITY)	OPTIONAL		OPTIONAL	
	SCREENS	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL