

TABLE OF CONTENTS

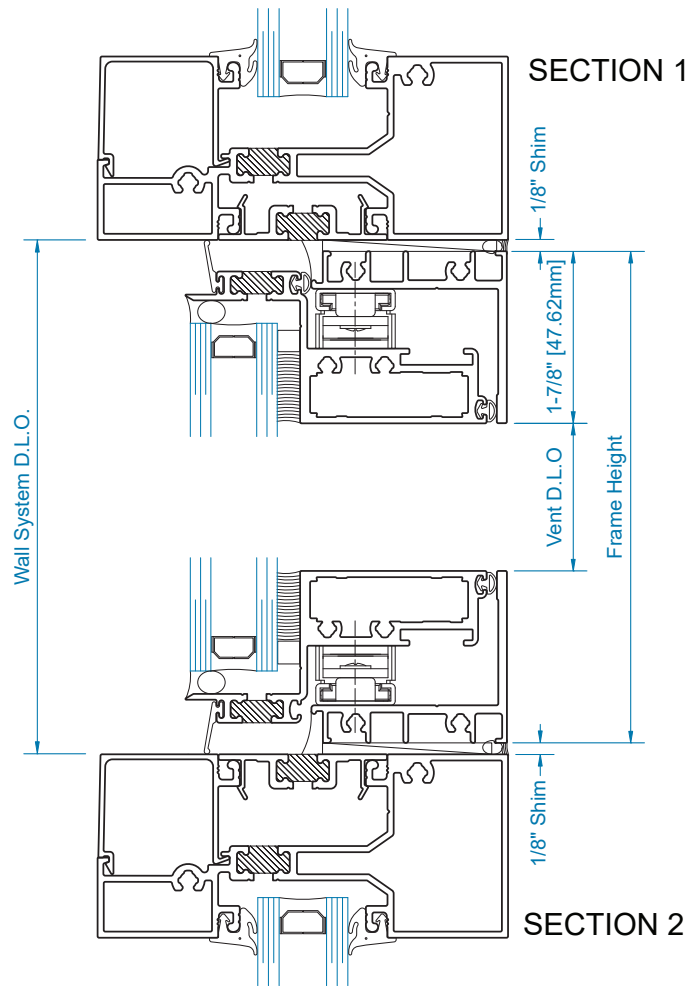
**YES SSG TU VENT THERMALLY BROKEN OPERABLE WINDOWS
FOR STOREFRONT, WINDOW WALL AND CURTAIN WALL**

DETAILS FOR 1" GLAZING (1/2 SIZE)	Page 2 to 3
DETAILS FOR WALL SYSTEM FRAMING OPTIONS (1/2 SIZE) ...	Page 4 to 6
SCREEN DETAILS (1/2 SIZE)	Page 7 to 15
TECHNICAL NOTES	Page 16 to 20

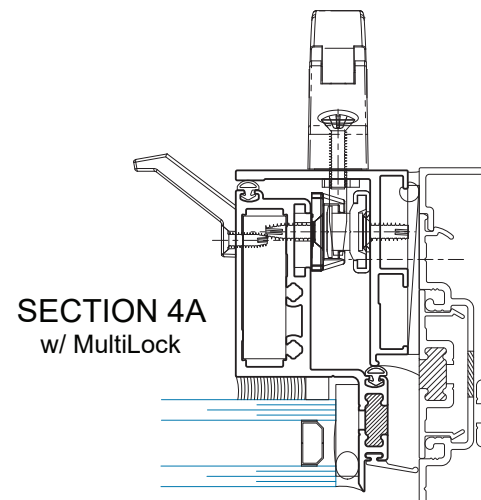
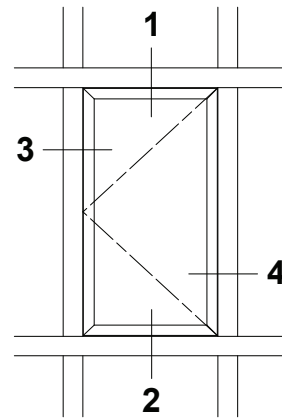
**YES SSG TUH VENT THERMALLY BROKEN OPERABLE
IMPACT WINDOWS FOR STOREFRONT AND CURTAIN WALL**

DETAILS FOR STOREFRONT FRAMING	Page 21 to 24
DETAILS FOR CURTAIN WALL FRAMING	Page 25 to 28
SCREEN DETAILS (1/2 SIZE)	Page 29 to 33
TECHNICAL NOTES	Page 34 to 37

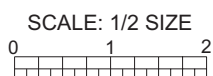
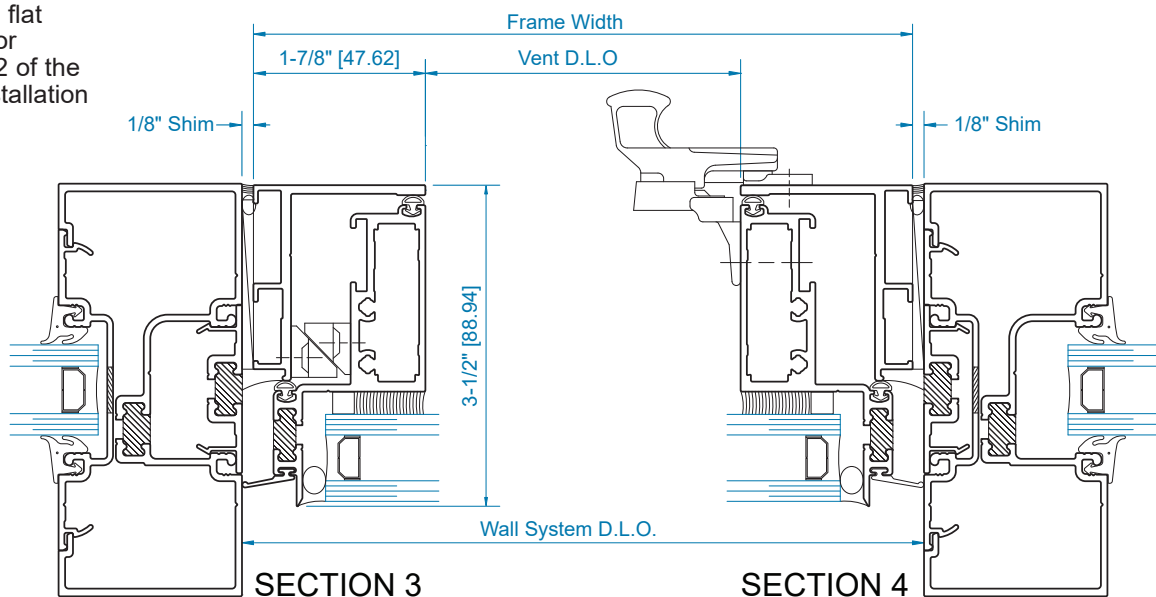
*The latest installation instructions for this product are available at www.ykkap.com.



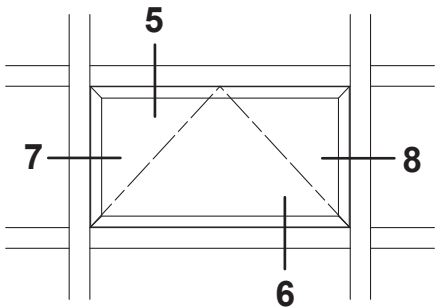
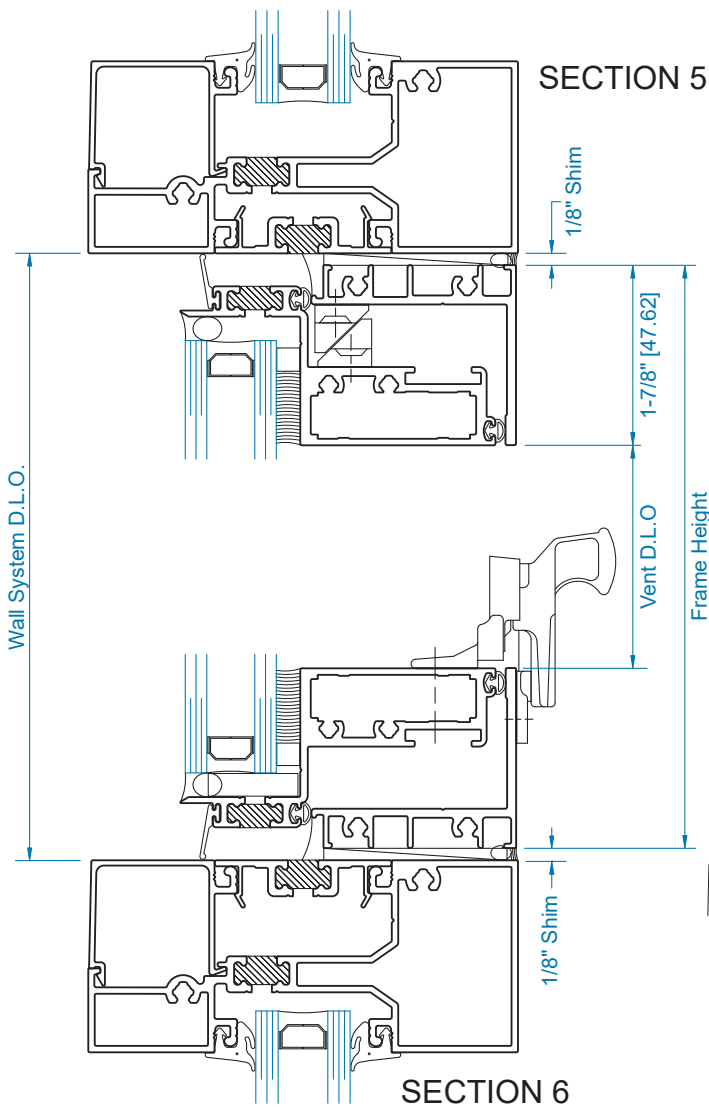
CASEMENT OUT VENT



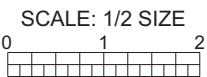
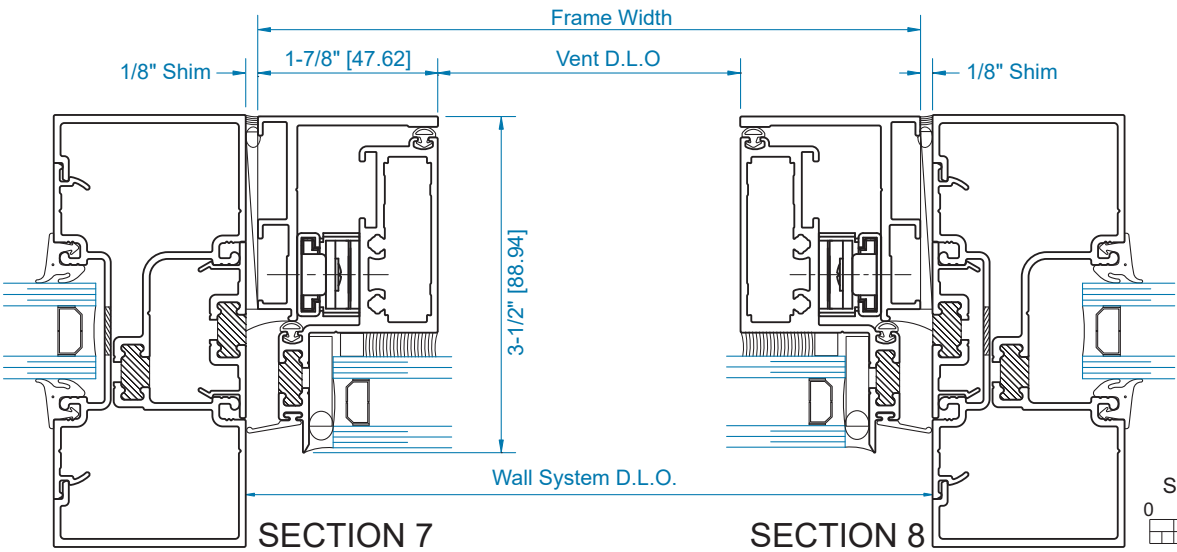
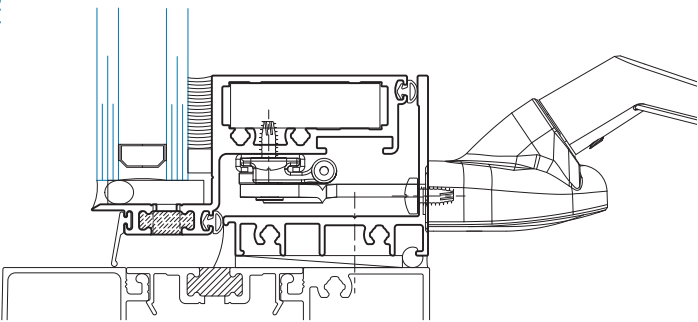
NOTE: For thermally broken wall systems, a thermally broken flat filler is required. For details, see Page 2 of the YES SSG Vent installation manual.



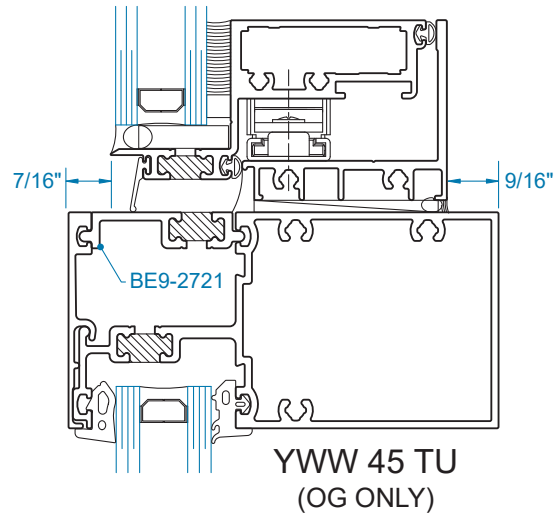
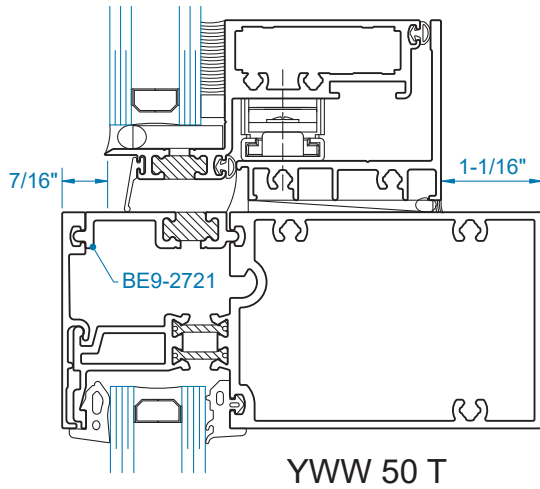
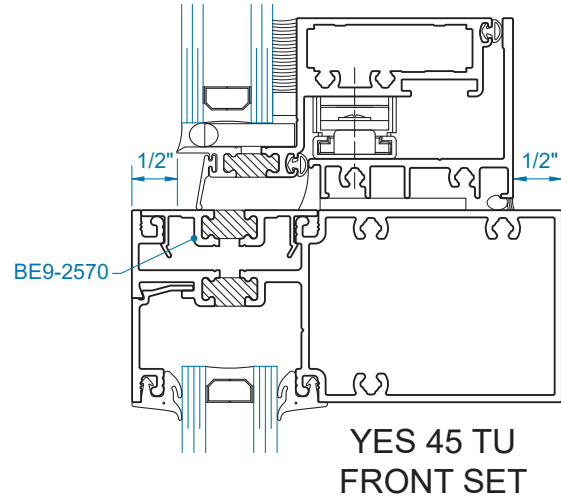
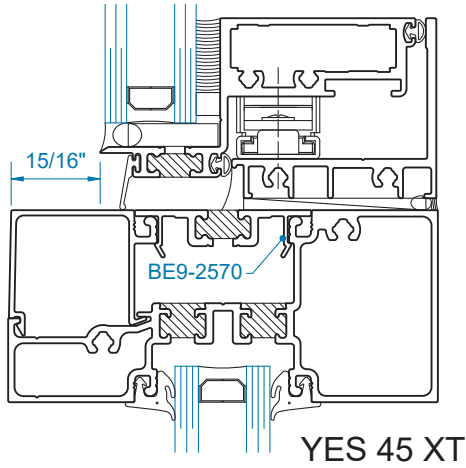
PROJECT OUT VENT



NOTE: For thermally broken wall systems, a thermally broken flat filler is required. For details, see Page 2 of the YES SSG Vent installation manual.

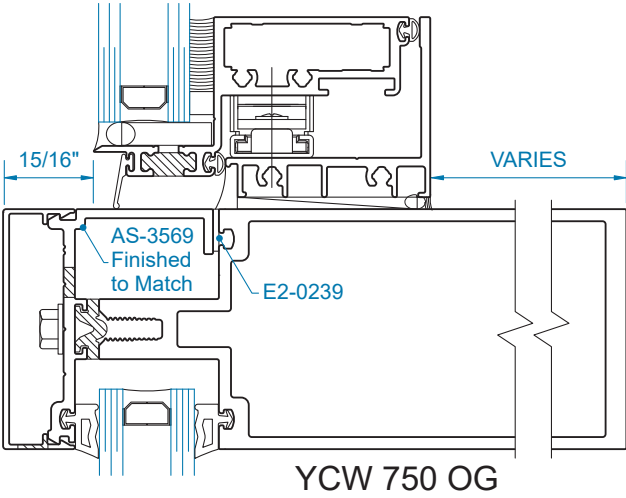
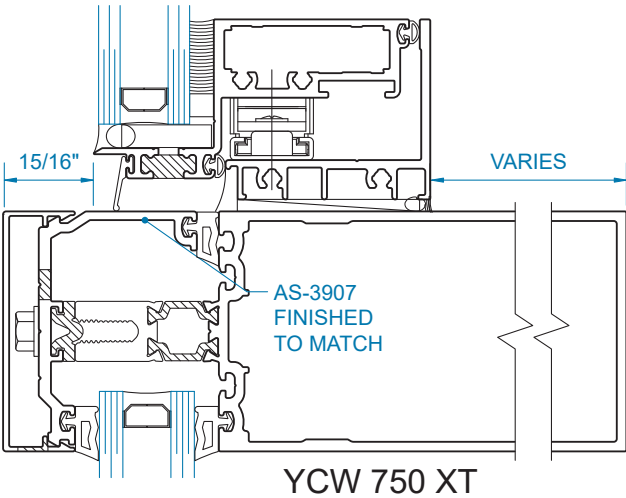


WALL SYSTEM FRAMING OPTIONS



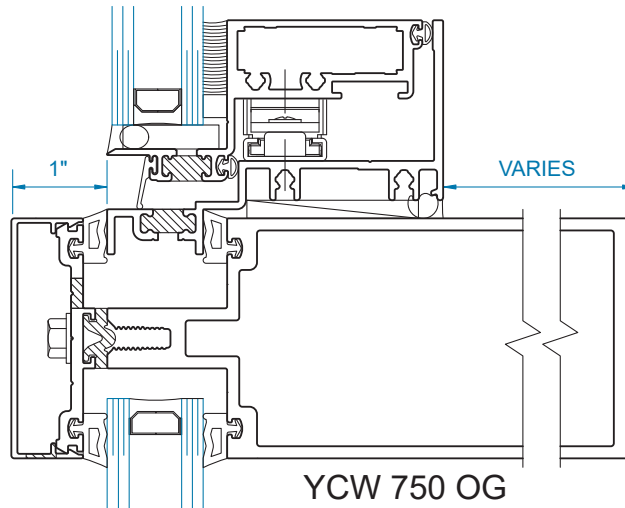
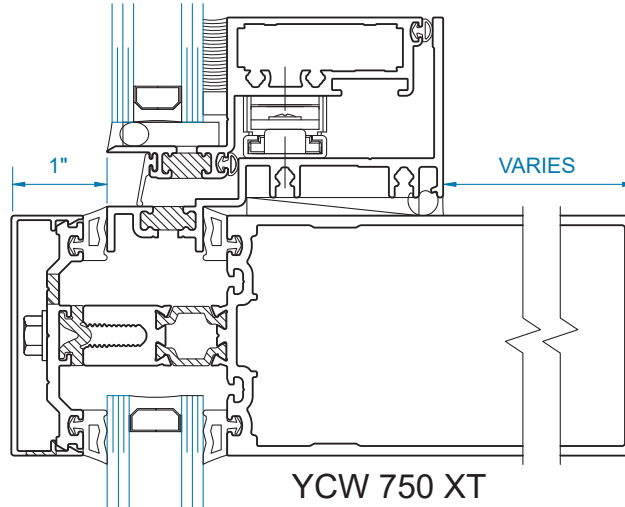
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WALL SYSTEM FRAMING OPTIONS
FLAT FRAME

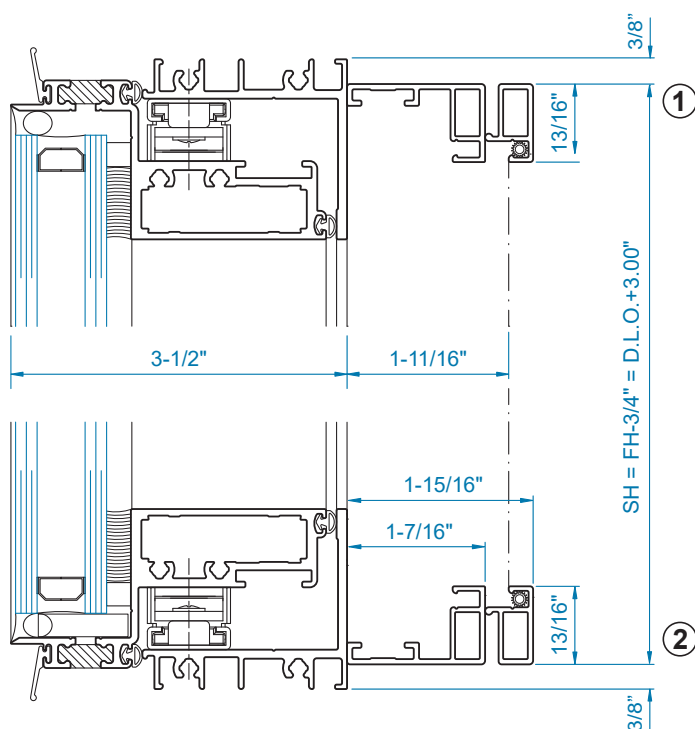


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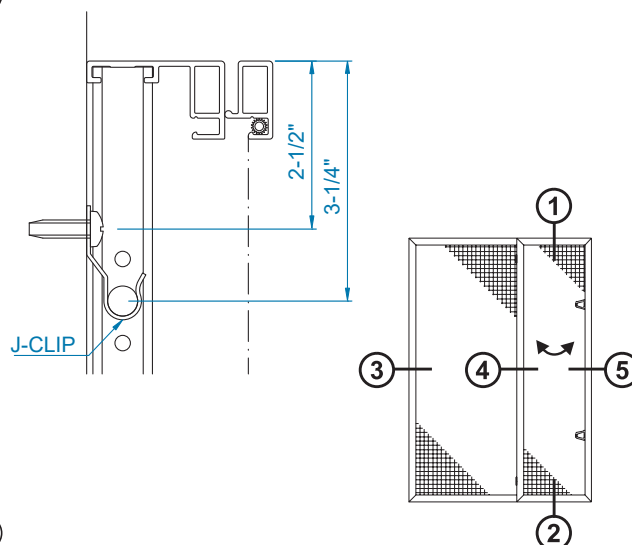
**WALL SYSTEM FRAMING OPTIONS
POCKET FRAME**



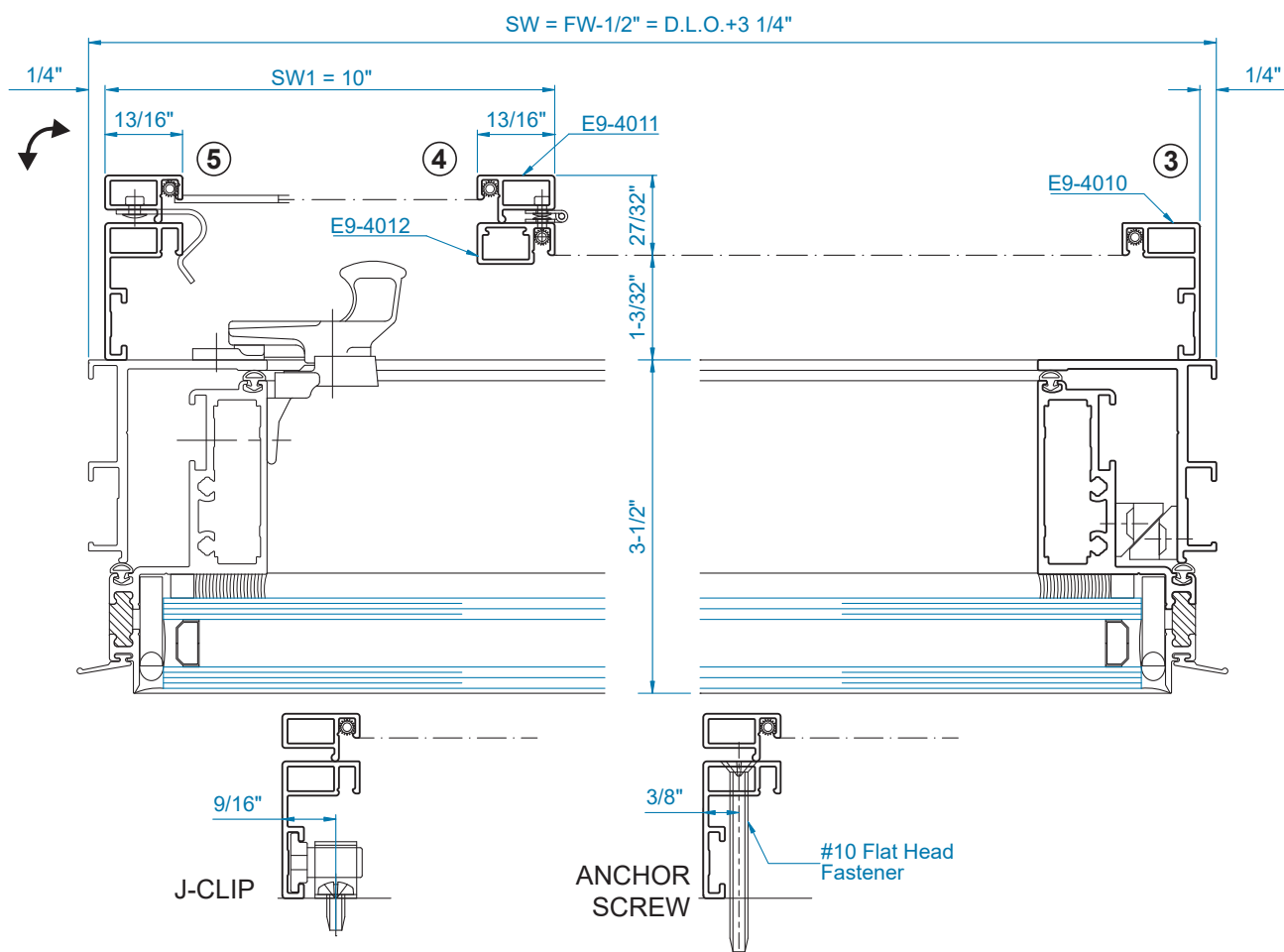
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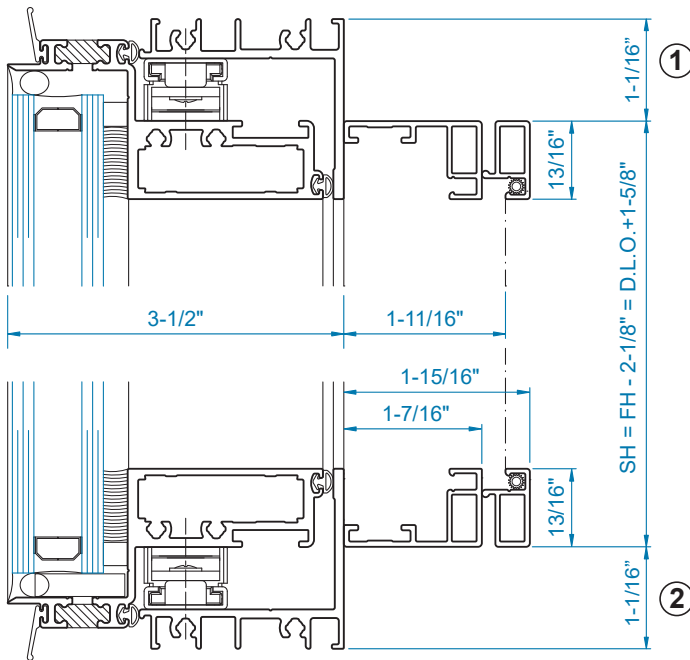


SCREEN ATTACHMENT OPTIONS

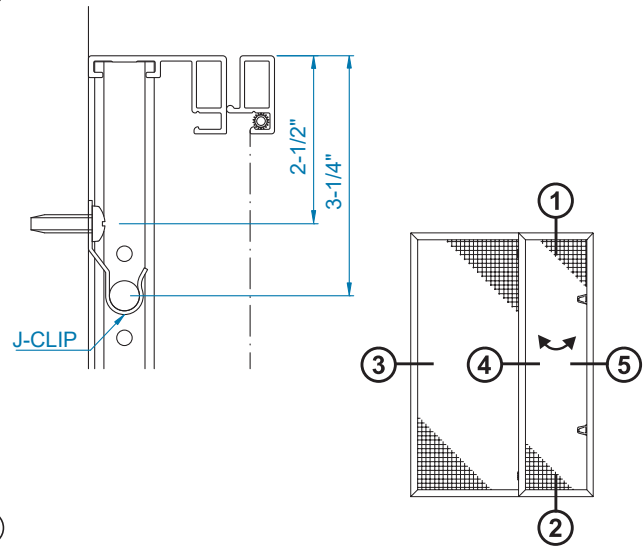


SCREEN FOR CASEMENT OUTSWING (INSTALLED ON THE INTERIOR)

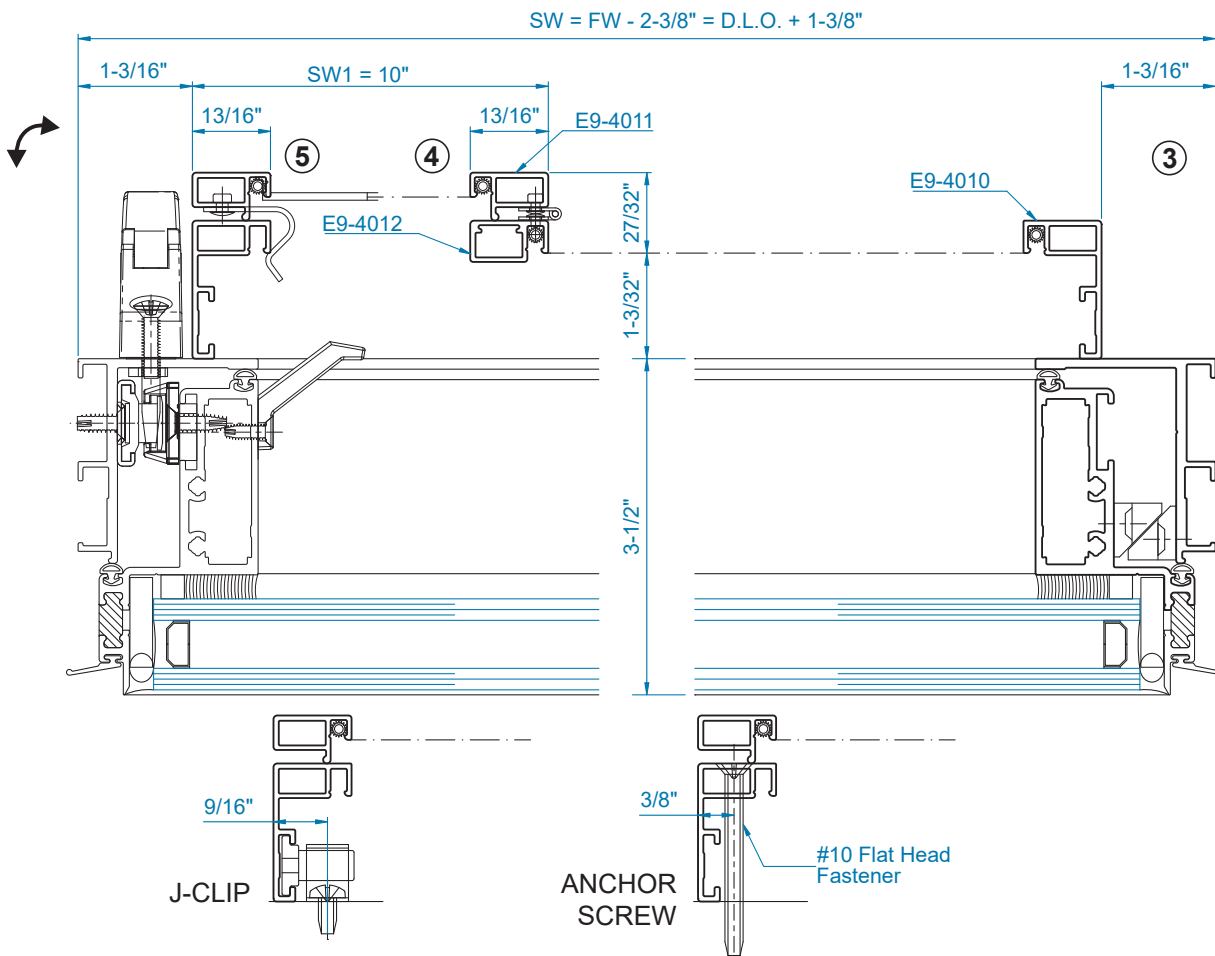


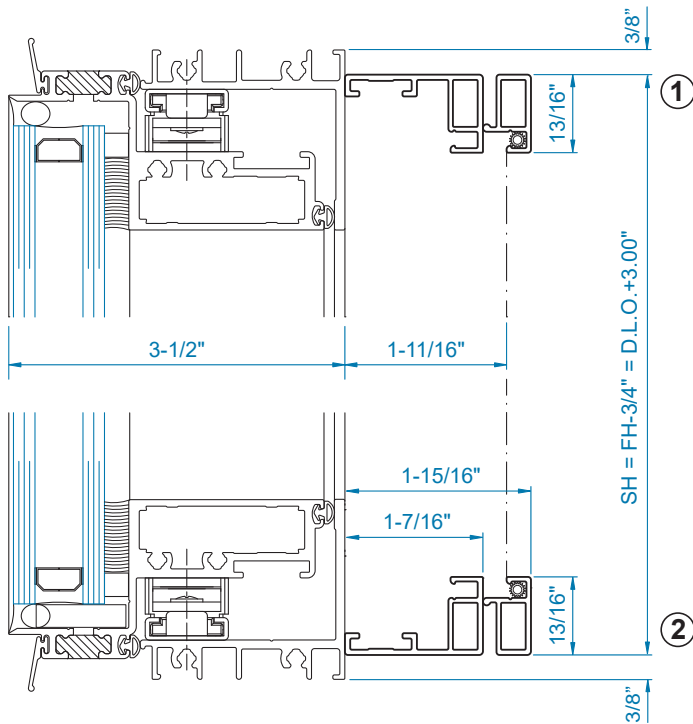


SCREEN ATTACHMENT OPTIONS

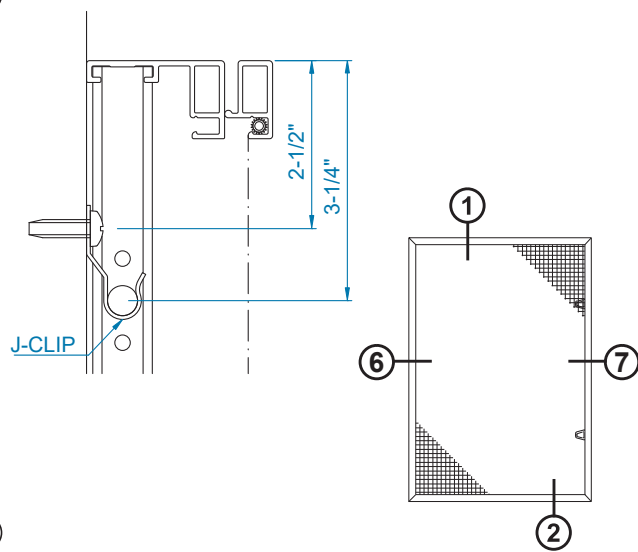


**SCREEN FOR CASEMENT OUTSWING
(INSTALLED ON THE INTERIOR)**

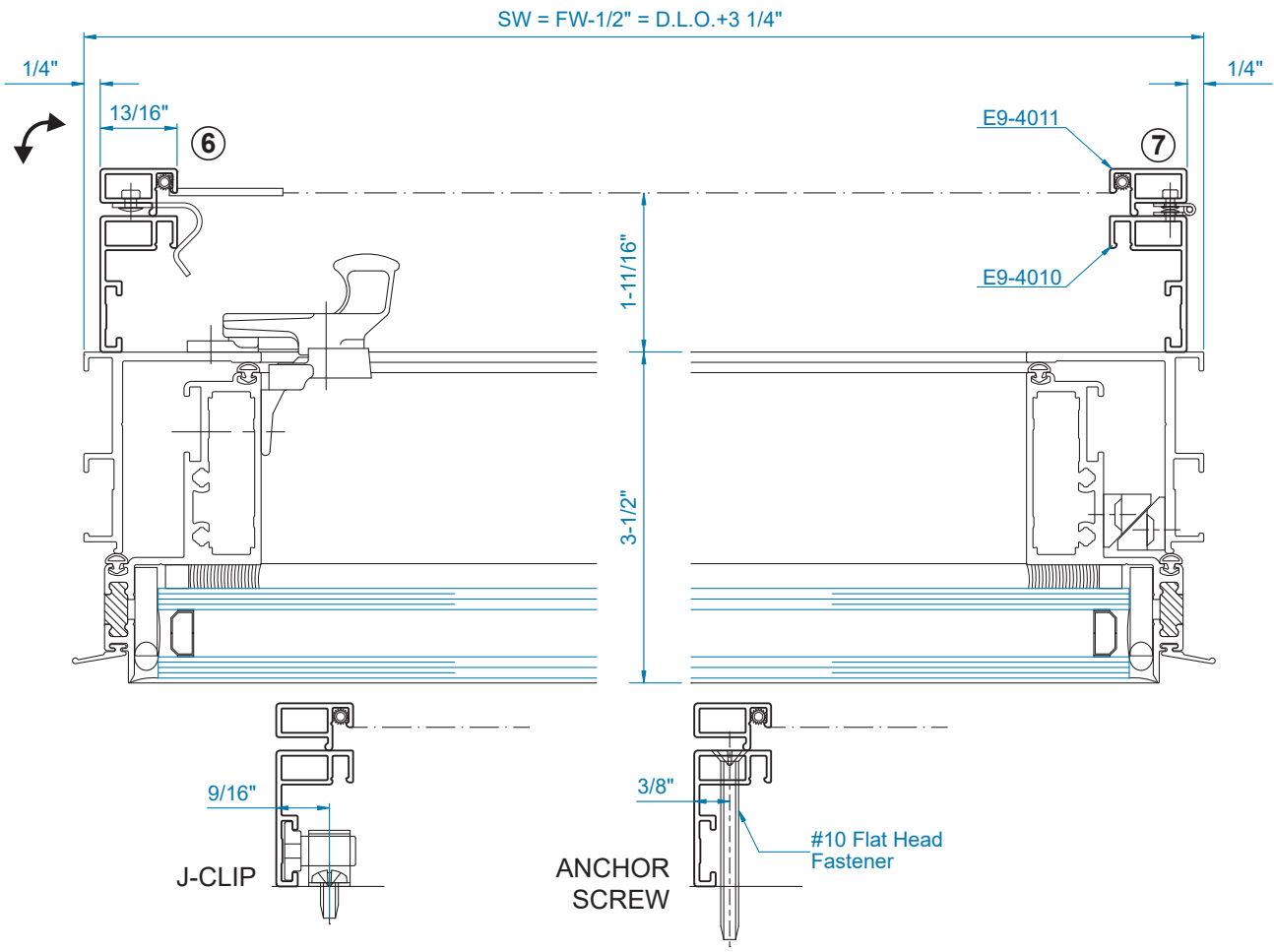


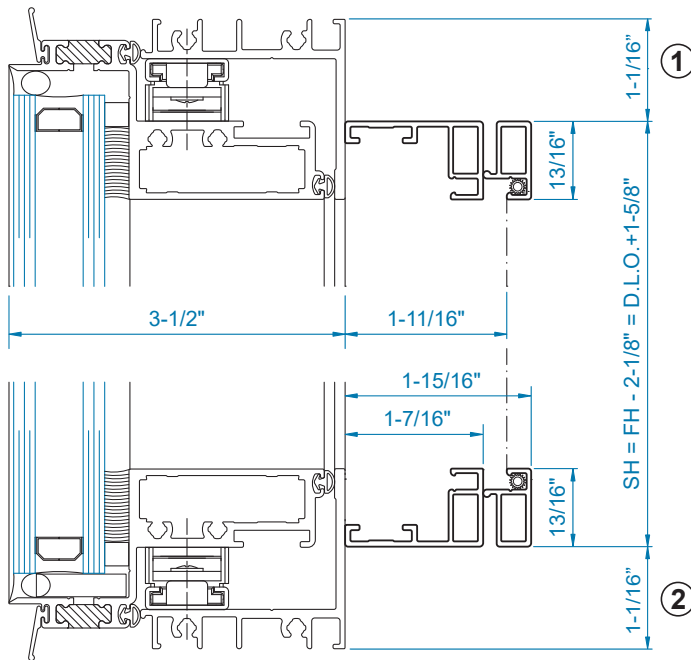


SCREEN ATTACHMENT OPTIONS

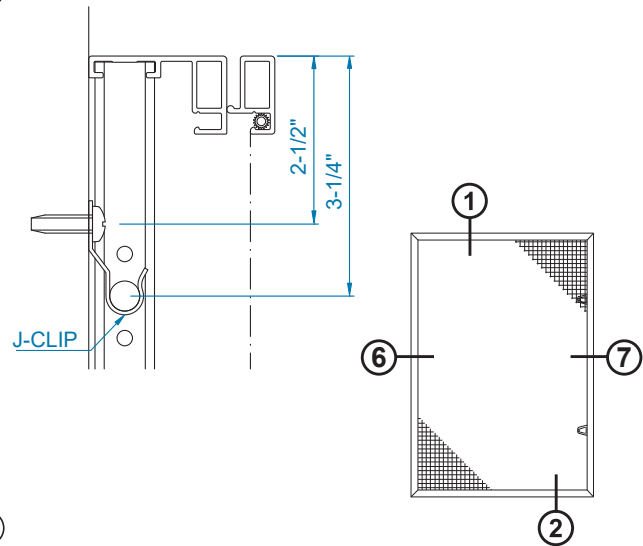


SCREEN FOR CASEMENT OUTSWING
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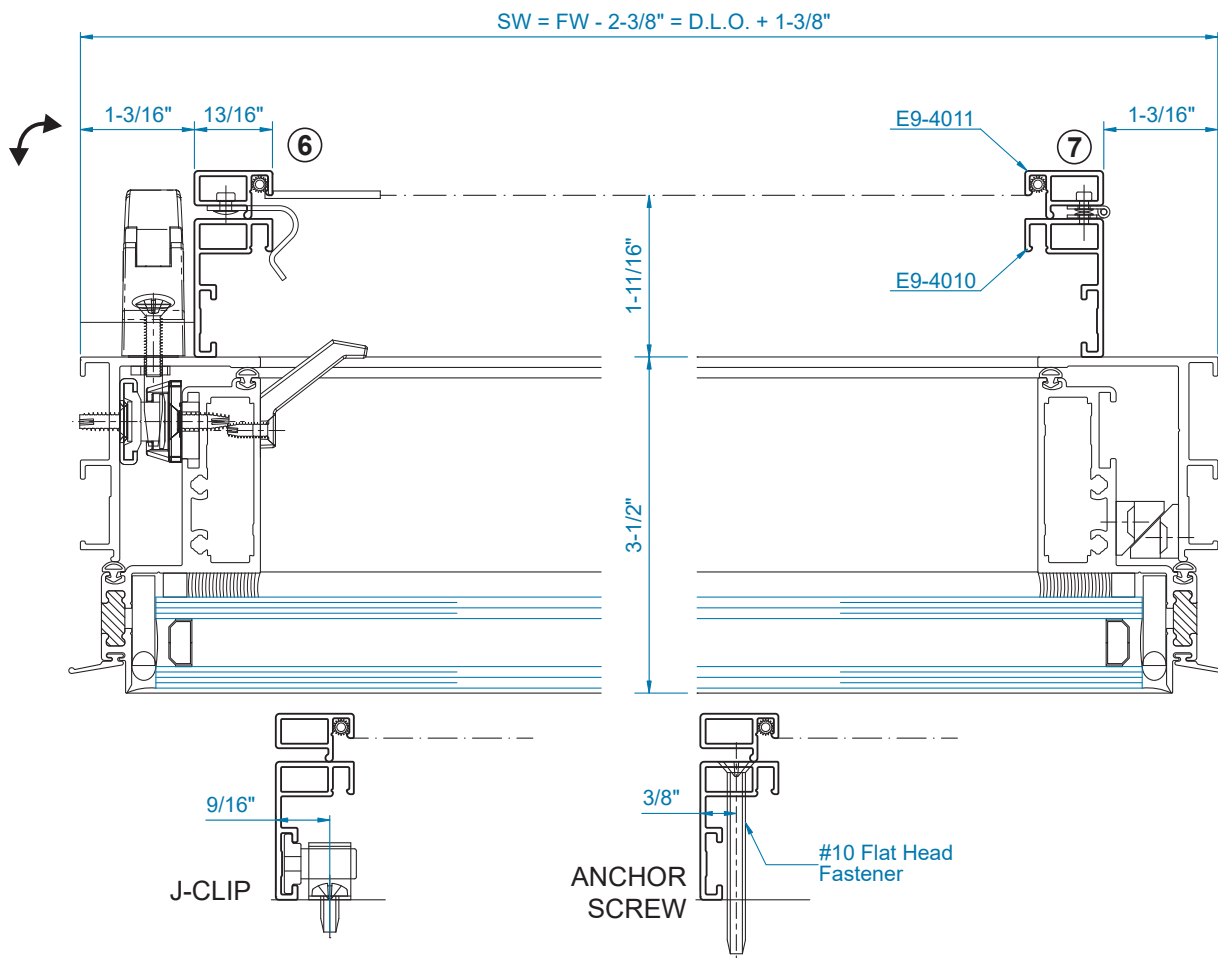


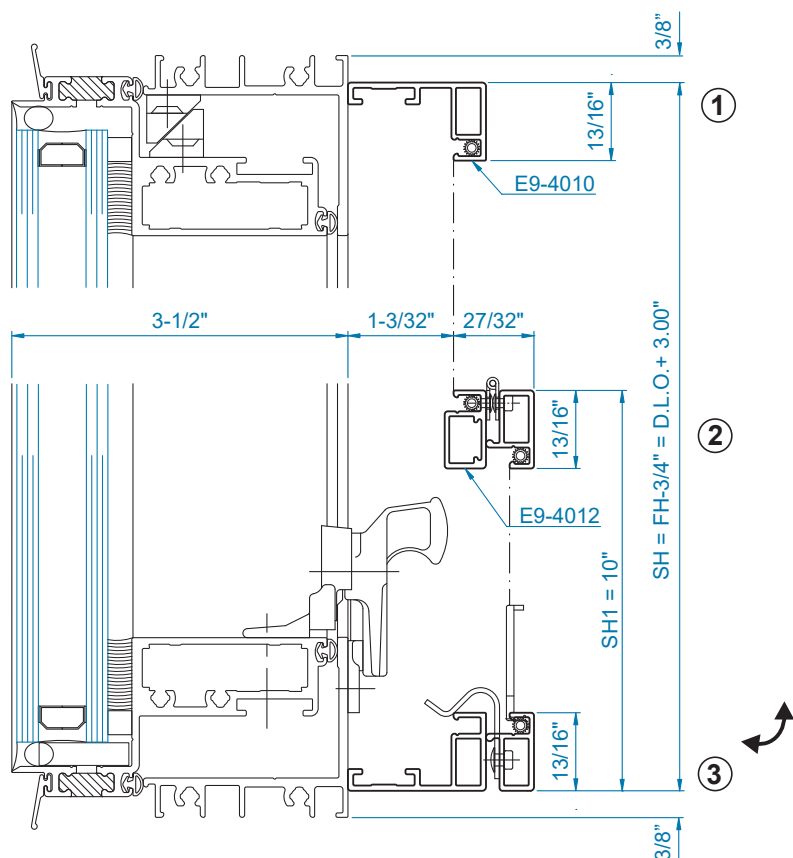


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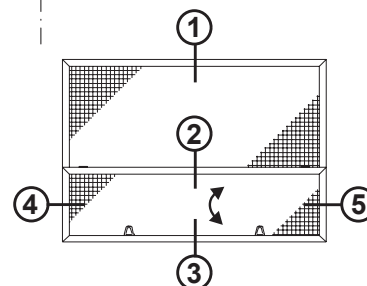
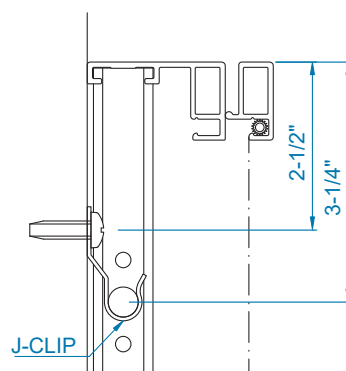


**SCREEN FOR CASEMENT OUTSWING
(INSTALLED ON THE INTERIOR)**

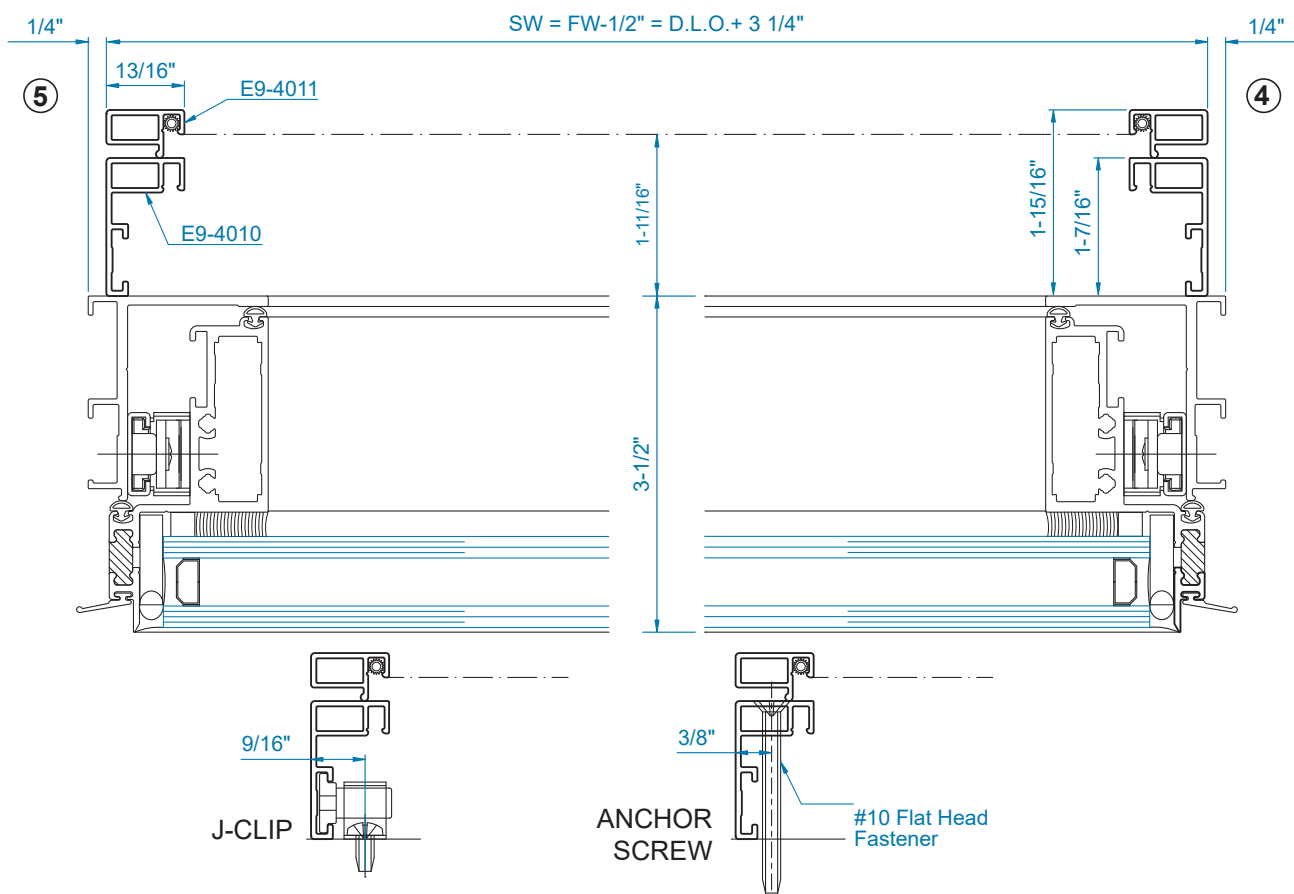


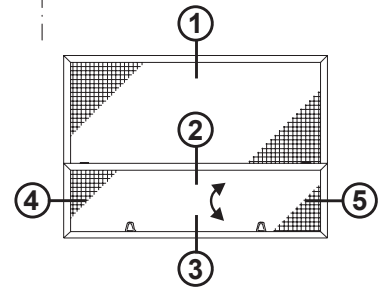


SCREEN ATTACHMENT OPTIONS

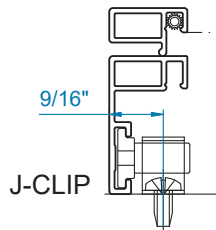


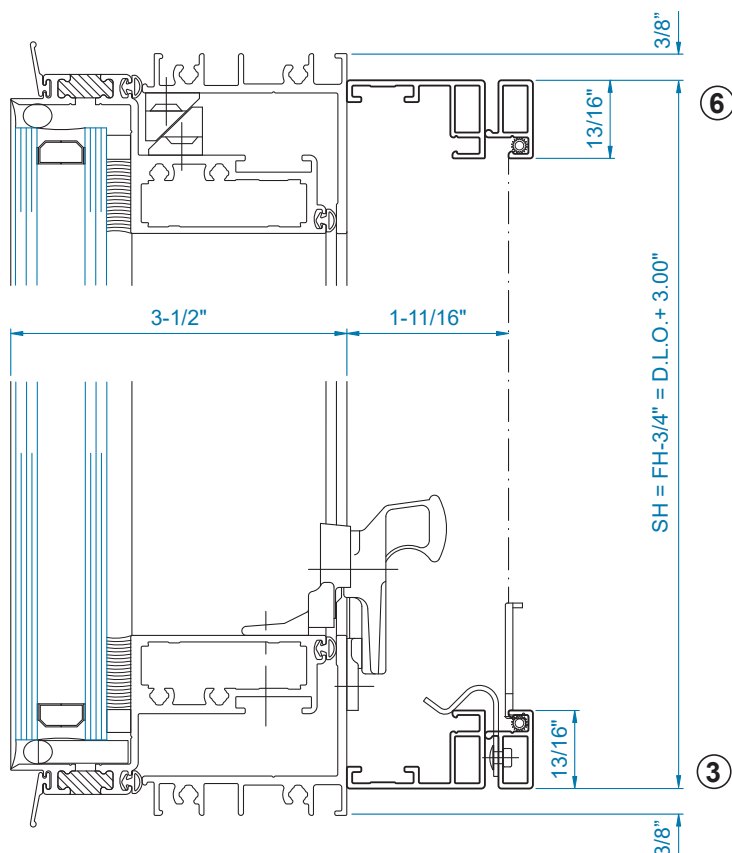
**SCREEN FOR PROJECT OUTSWING
(INSTALLED ON THE INTERIOR)**



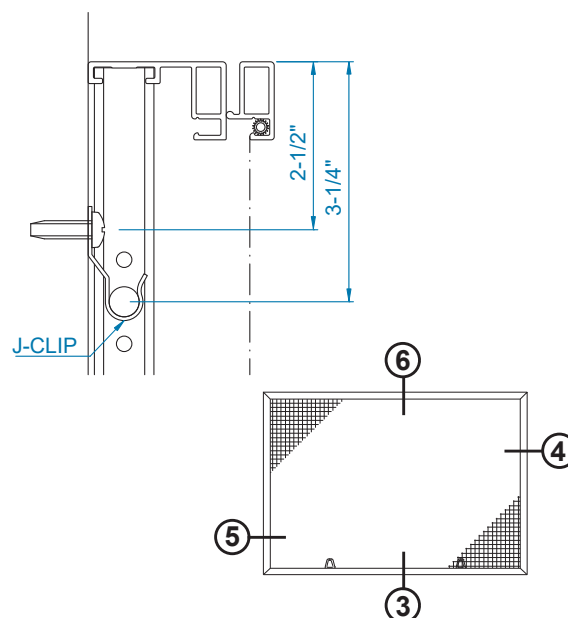


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(INSTALLED ON THE INTERIOR)**

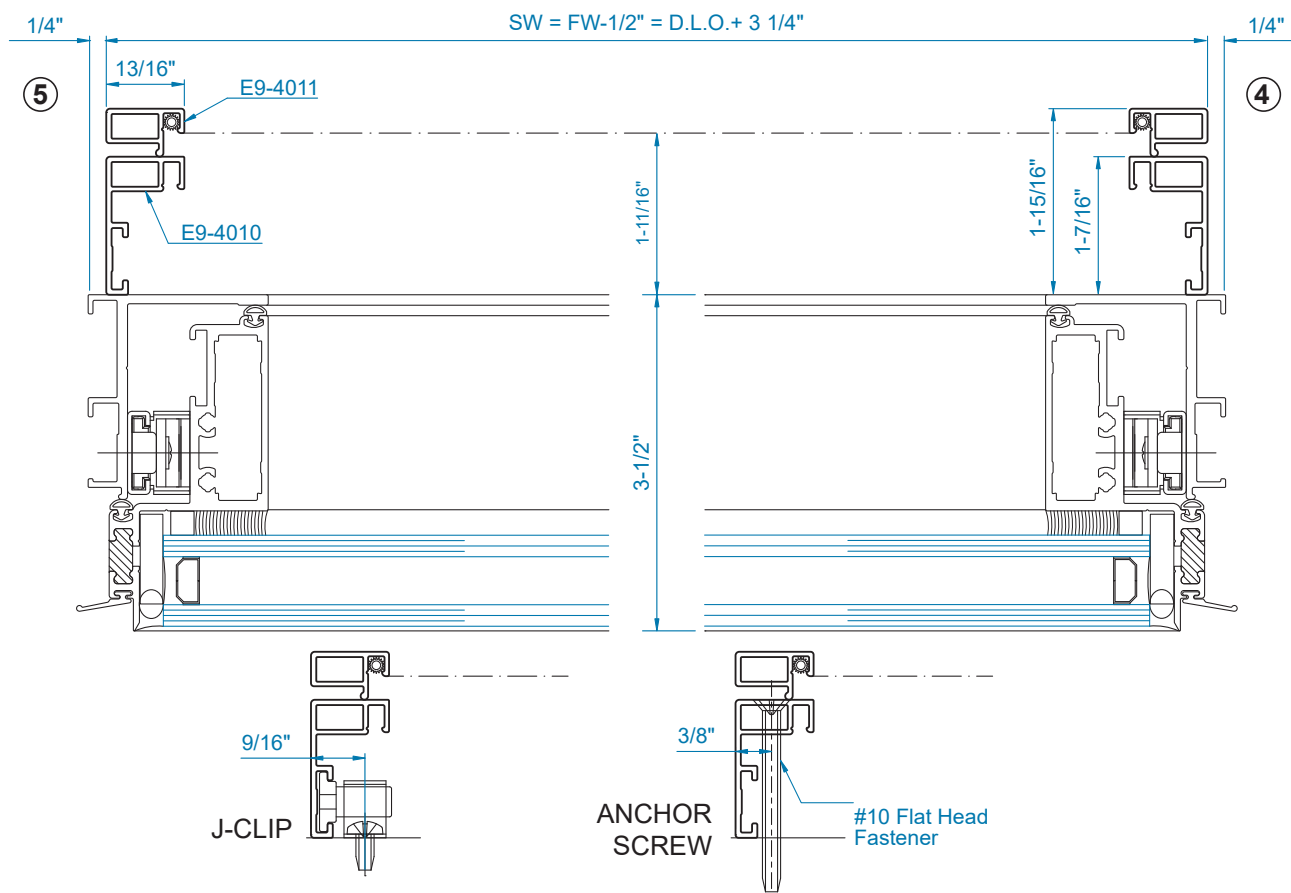


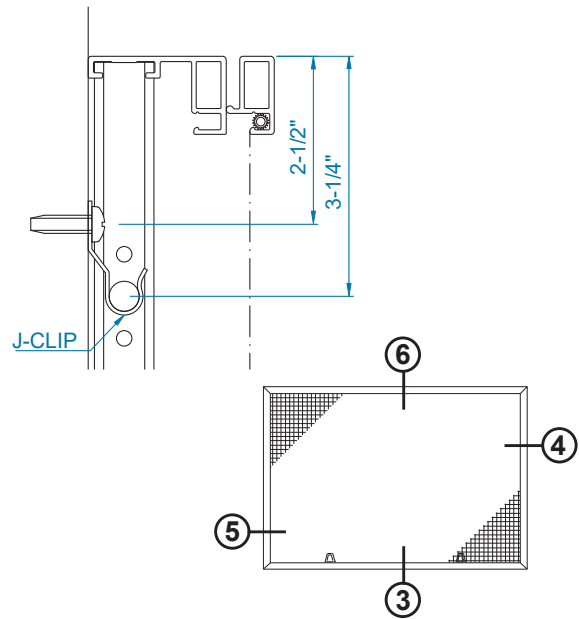


SCREEN ATTACHMENT OPTIONS



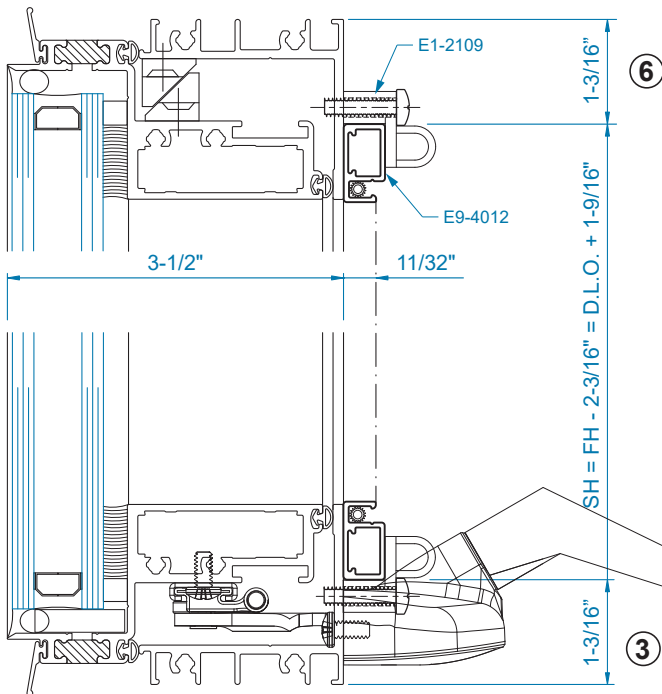
**SCREEN FOR PROJECT OUTSWING
(INSTALLED ON THE INTERIOR)**



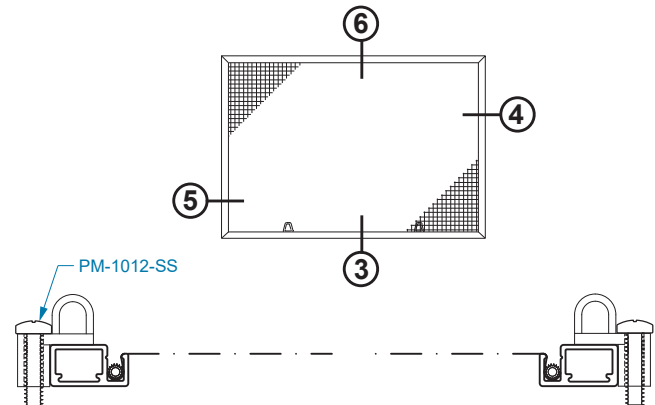


**SCREEN FOR PROJECT OUTSWING
(INSTALLED ON THE INTERIOR)**

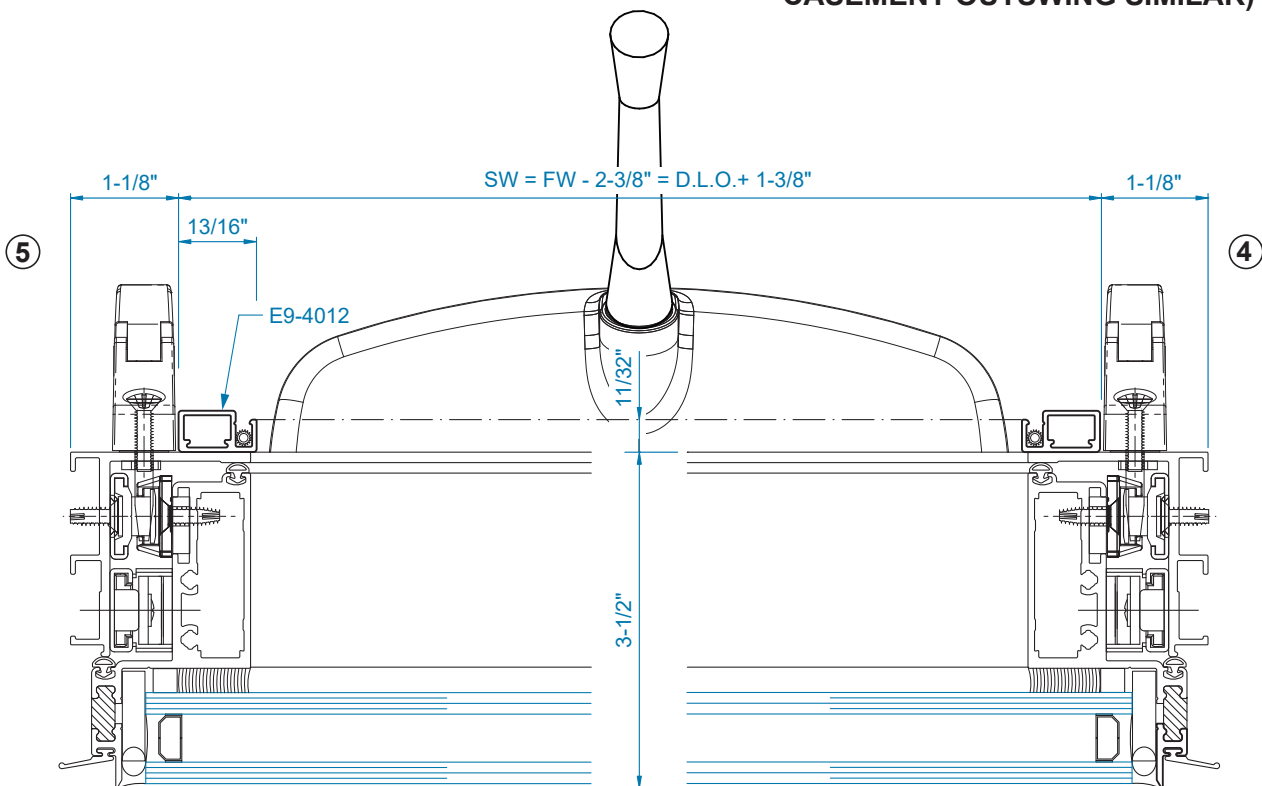




SCREEN ATTACHMENT OPTIONS

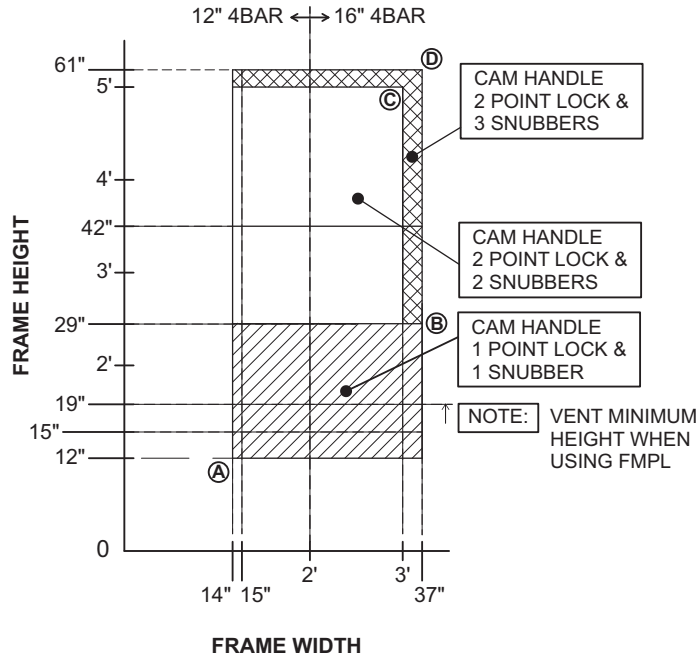


SCREEN FOR PROJECT OUTSWING
(INSTALLED ON THE INTERIOR,
CASEMENT OUTSWING SIMILAR)



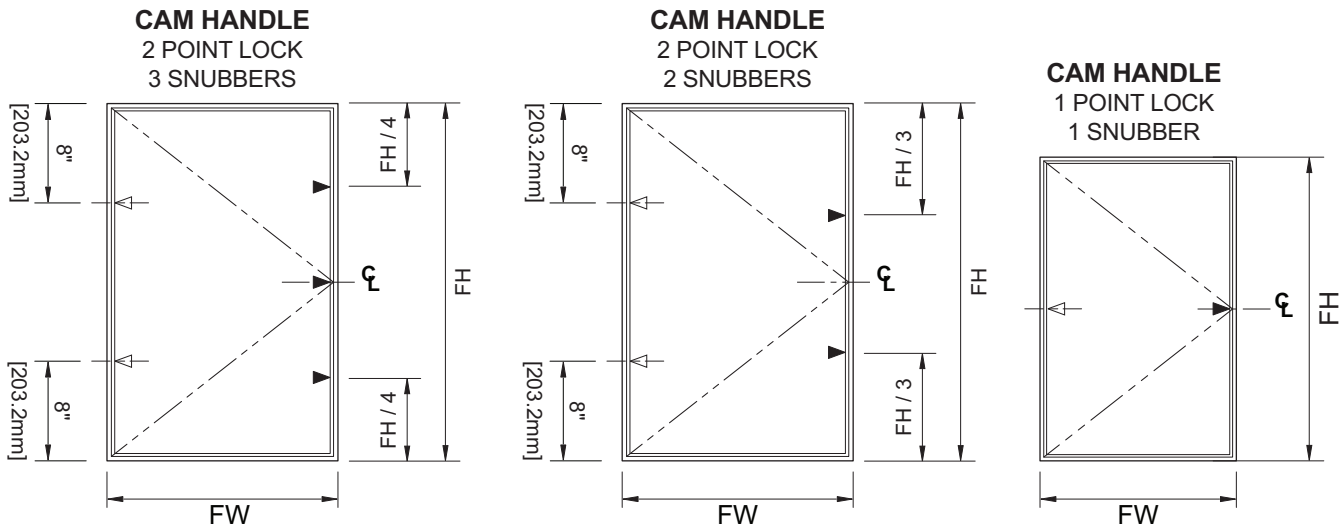
CASEMENT OUTSWING

1. SIZE LIMITATIONS: (Based on AW-65 Designation)



FRAME WIDTH	FRAME HEIGHT
MINIMUM SIZE	
(A) FLAT FRAME	
14" [355.6mm]	12" [304.8mm]
* 14" [355.6mm]	19" [482.6mm]
POCKET FRAME	
15" [381.0mm]	15" [381.0mm]
* 15" [381.0mm]	19" [482.6mm]
(B) 37" [939.8mm]	29" [736.6mm]
(C) 36" [914.4mm]	60" [1524.0mm]
MAXIMUM SIZE	
(Based on 65 psf and listed hardware)	
(D) 37" [939.8mm]	61" [1549.4mm]

2. HARDWARE LOCATIONS



3. FOUR BAR HINGE USAGE

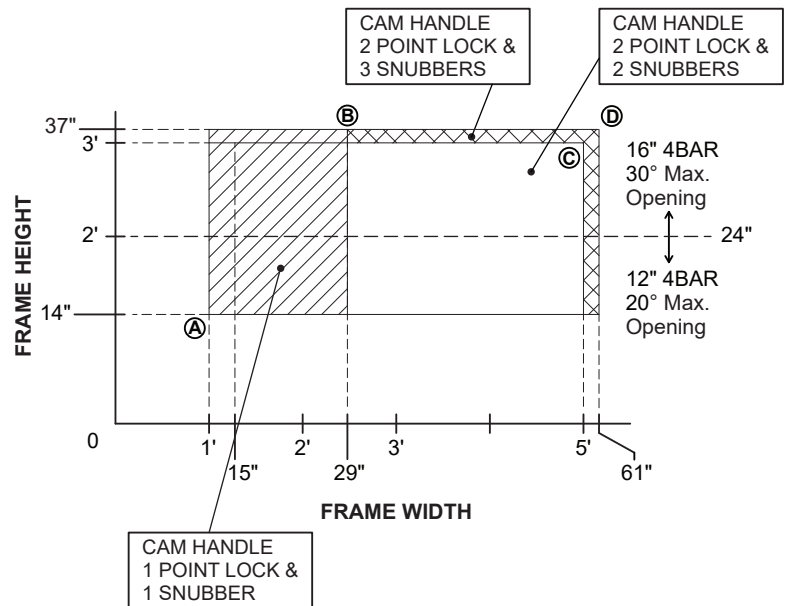
PART NO.	LENGTH	FRAME WIDTH	MAX. WT.	MAX. OPENING ANGLE
4K-14207	12"	≤ 24" [609.6mm]	83lbs [38.0kg]	90°
4K-14208	16"	> 24" [609.6mm]	130lbs [58.9kg]	90°

◁: LOCK LOCATION
▶: SNUBBERS LOCATION

* Frame Multi Point Locking System

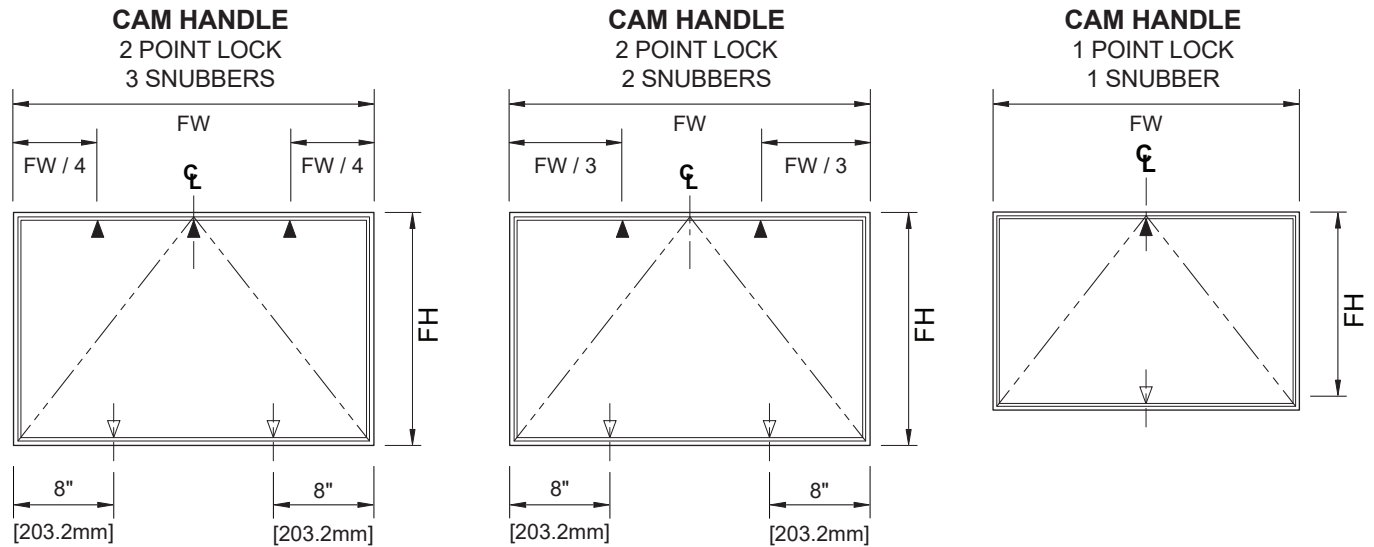
PROJECT OUT

1. SIZE LIMITATIONS: (Based on AW-65 Designation)



FRAME WIDTH	FRAME HEIGHT
MINIMUM SIZE	
Ⓐ FLAT FRAME 12" [304.8mm] POCKET FRAME 15" [381.0mm]	14 " [355.6mm] 15" [381.0mm]
Ⓑ 29" [736.6mm]	37" [939.8mm]
Ⓒ 60" [1524.0mm]	36" [914.4mm]
MAXIMUM SIZE (Based on 65 psf and listed hardware)	
Ⓓ 61" [1549.4mm]	37" [939.8mm]

2. HARDWARE LOCATIONS



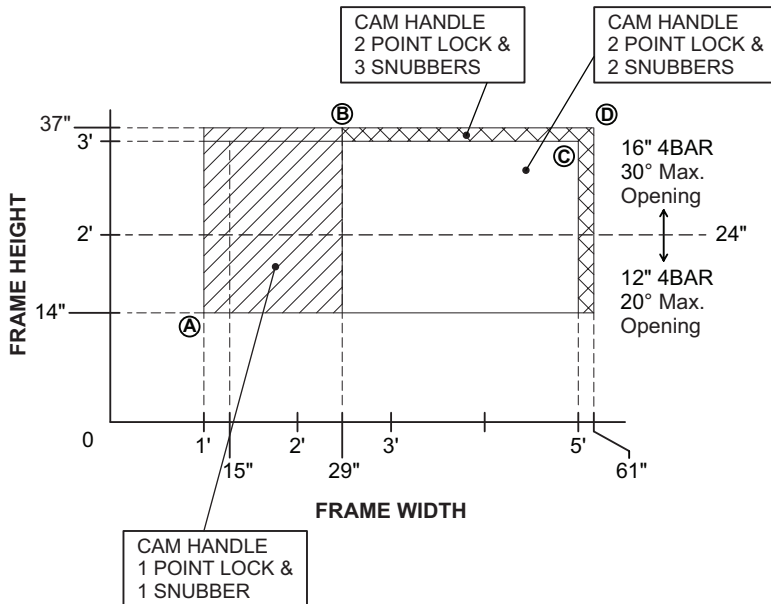
3. FOUR BAR HINGE USAGE (Standard Openings)

PART NO.	LENGTH	FRAME HEIGHT	MAX. WT.	MAX. OPENING ANGLE
4K-14207	12"	≤ 24" [609.6]	74lbs [33.5kg]	20°
5K-15284	16"	≤ 37" [914.4]	135lbs [61.2kg]	30°

◁: LOCK LOCATION
▷: SNUBBER LOCATION

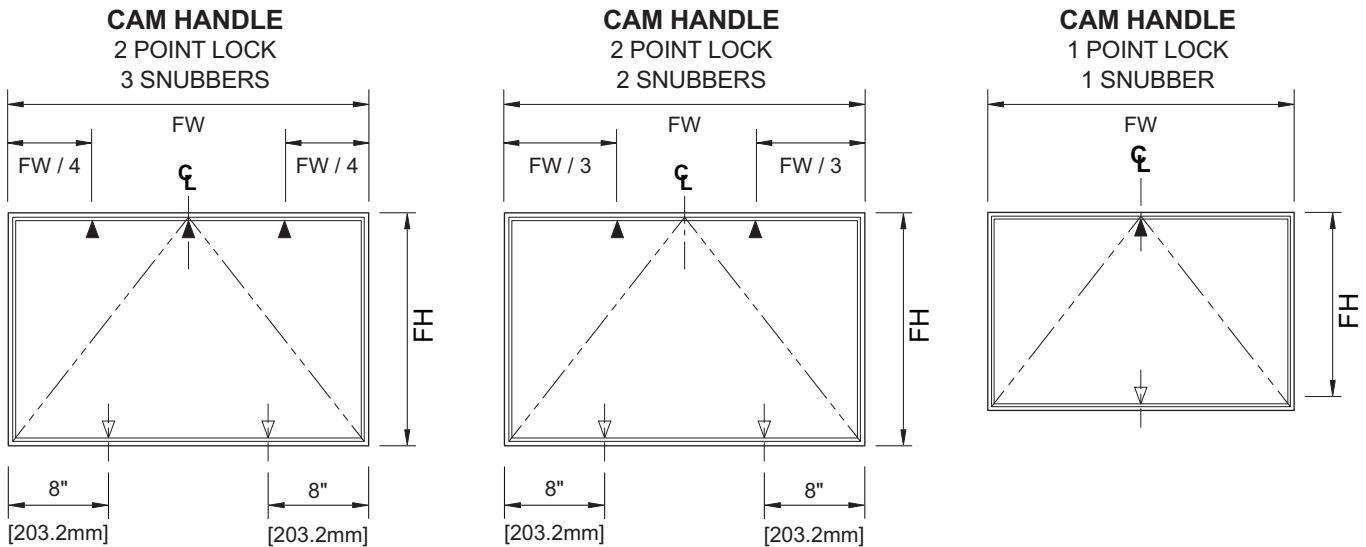
PROJECT OUT

1. SIZE LIMITATIONS: (Based on AW-65 Designation)



FRAME WIDTH	FRAME HEIGHT
MINIMUM SIZE	
FLAT FRAME	
(A) 12" [304.8mm]	14" [355.6mm]
POCKET FRAME	
(B) 29" [736.6mm]	37" [939.8mm]
(C) 60" [1524.0mm]	36" [914.4mm]
MAXIMUM SIZE	
(Based on 65 psf and listed hardware)	
(D) 61" [1549.4mm]	37" [939.8mm]

2. HARDWARE LOCATIONS



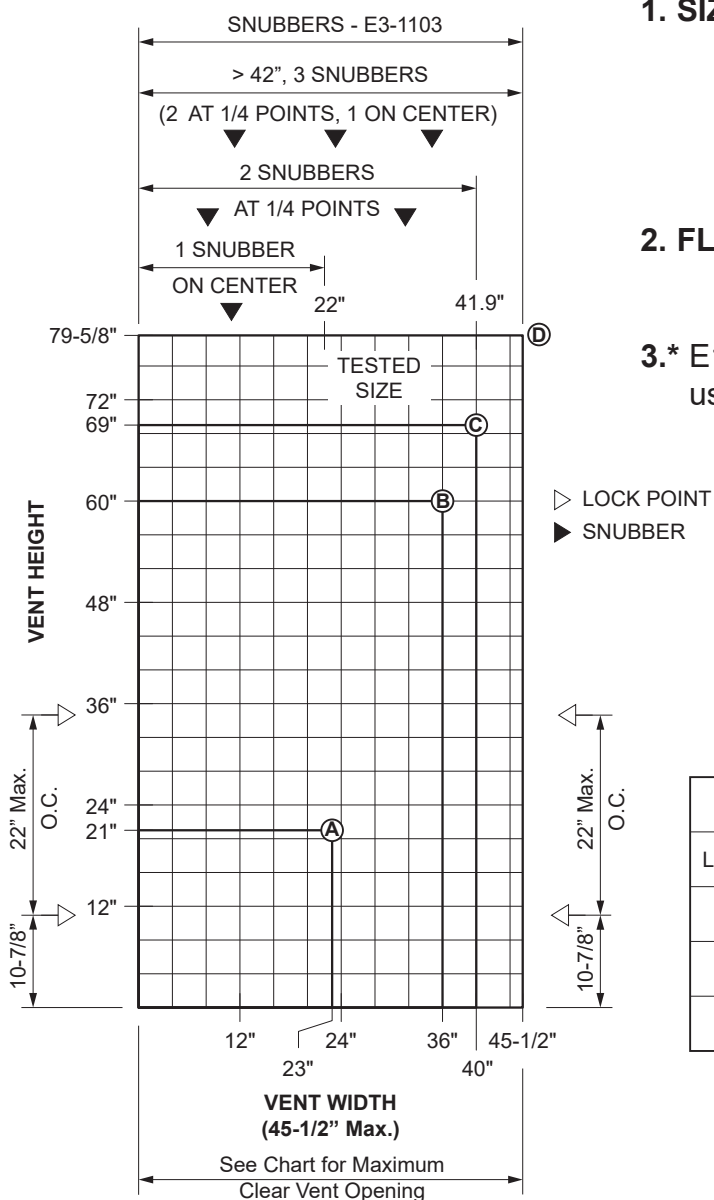
3. FOUR BAR HINGE USAGE (Optional 45° Openings)

PART NO.	LENGTH	FRAME HEIGHT	MAX. WT.	MAX. OPENING ANGLE
4K-14207	12"	≤ 24" [609.6]	57lbs [25.9kg]	45°
4K-14209	22"	≤ 37" [914.4]	108lbs [49.0kg]	45°

◁: LOCK LOCATION
▶: SNUBBER LOCATION

ACCESSIBLE WINDOW - PROJECT OUT w/ FRAME MULTIPOINT LOCK & ROTARY OPERATOR

VENT WIDTH	VENT HEIGHT	VENT AREA	ALLOWABLE DESIGN PRESSURE	VENT WEIGHT @ 7.2 lbs PER SQ. FT.
MINIMUM SIZE				
Ⓐ 23" [584.2mm]	21" [533.4mm]	3.4 sq. ft.	65 psf	24.1 lbs
Ⓑ 36" [914.4mm]	60" [1524.0mm]	15 sq. ft.	65 psf	106.7 lbs
Ⓒ 40" [1016.0mm]	69" [1752.6mm]	19.2 sq. ft.	55 psf	136.3 lbs
MAXIMUM TESTED SIZE				
Ⓓ 45-1/2" [1155.7mm]	79-5/8" [2022.5mm]	25.1 sq. ft.	45 psf	178.6 lbs



1. SIZE LIMITATIONS: (Based on AW-45 Rating, Oversize 25.1 sq.ft. max.)
(AW-65 Rating 15 sq.ft. max.)
Meets AAMA 513-14 Forces and Motion for Windows in Accessible Places.)

2. FLORIDA PRODUCT APPROVED
NON-IMPACT

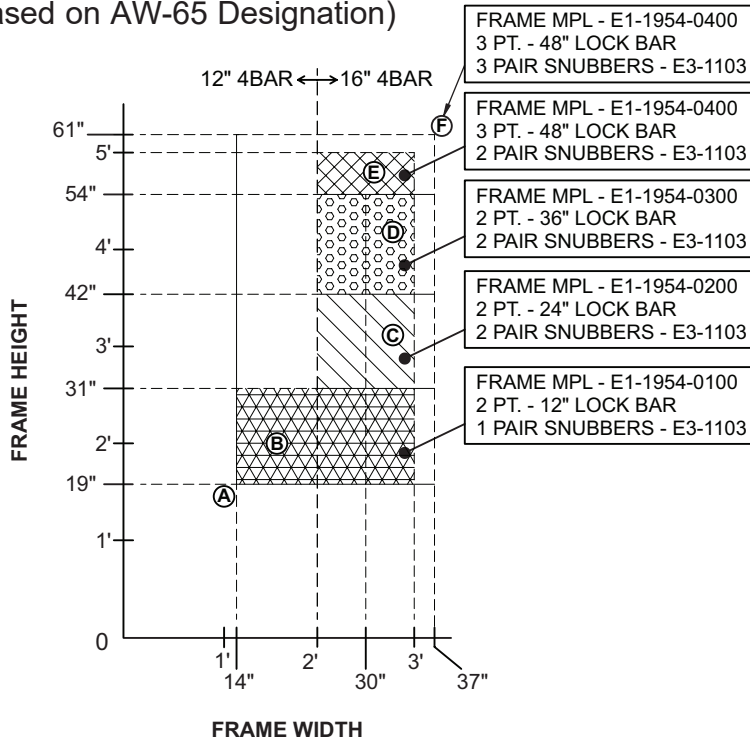
3.* E1-1991 & E1-2012 rotary operators cannot be used in NYC, if NYC limit devices are used.

Operator Part #	*E1-1991	*E1-2012	E1-2013	E1-1992
Large Handle Crank Part #	E1-1983	E1-1983	E1-1983	E1-1983
Operator Arm Length	5-1/2"	7"	9"	11"
Maximum Vent Opening	1-3/16"	3-3/16"	5-3/16"	7-3/16"
Minimum Vent Cut Width	23"	26"	30"	34"

CASEMENT OUTSWING w/ FRAME MULTI POINT LOCKS

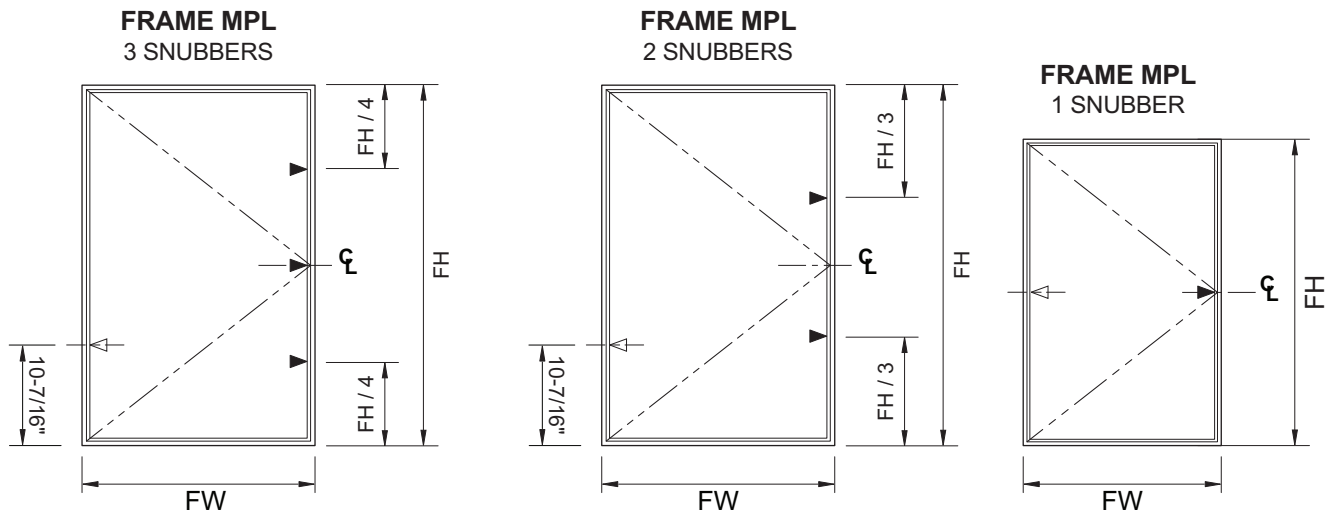
1. SIZE LIMITATIONS:

(Based on AW-65 Designation)



FRAME WIDTH	FRAME HEIGHT
MINIMUM SIZE	
(A) FLAT FRAME	
14" [355.6mm]	19" [482.6mm]
POCKET FRAME	
(B) 15" [381.0mm]	15" [381.0mm]
(C) 24" [609.6mm]	31" [787.4mm]
(D) 30" [762.0mm]	43" [1092.2mm]
(E) 36" [914.4mm]	55" [1397.0mm]
(F) 36" [914.4mm]	60" [1524.0mm]
(G) MAXIMUM SIZE	
(Based on 65 psf and listed hardware)	
37" [939.8mm]	61" [1549.4mm]

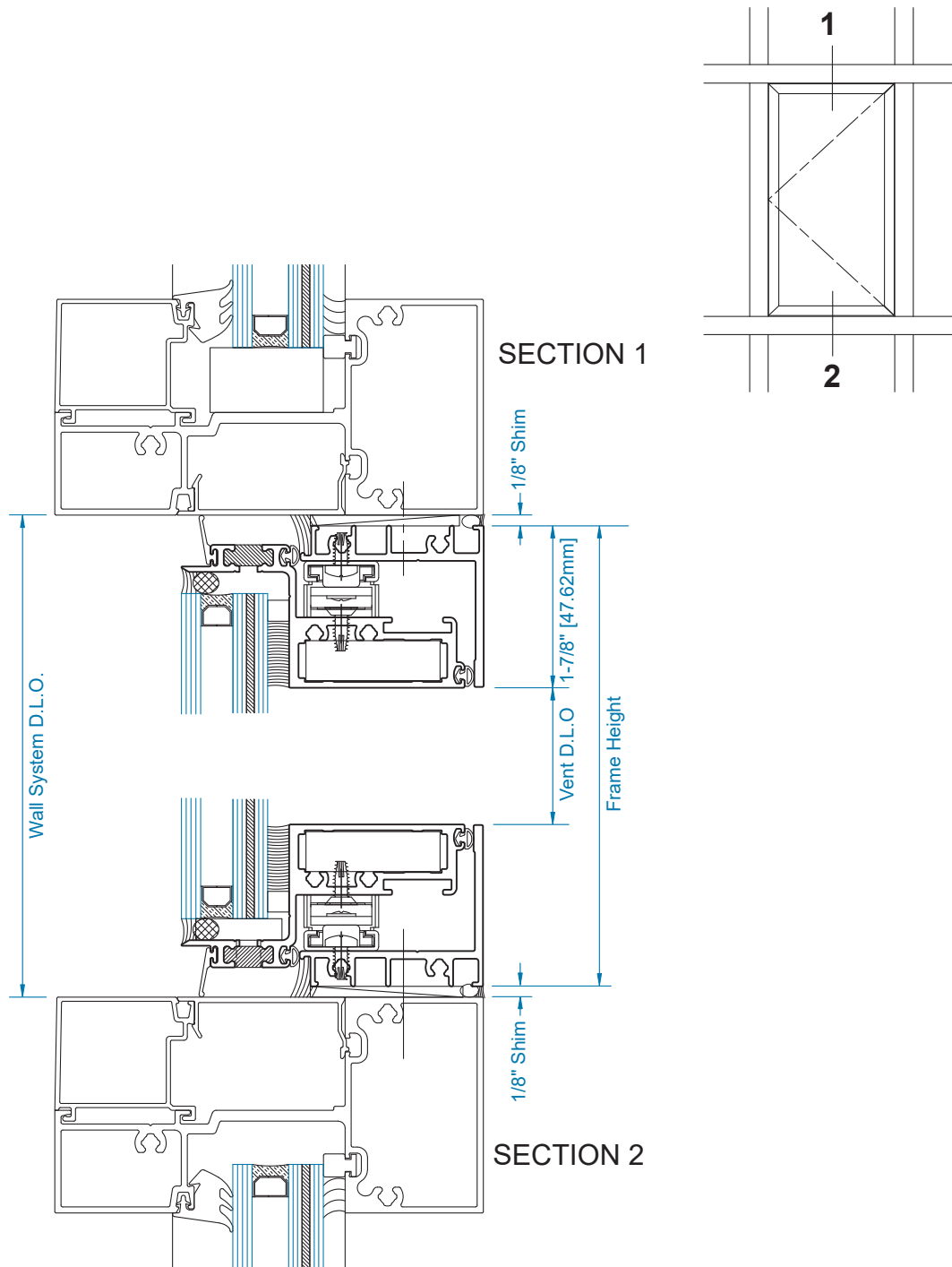
2. HARDWARE LOCATIONS



3. FOUR BAR HINGE USAGE

PART NO.	LENGTH	FRAME WIDTH	MAX. WT.	MAX. OPENING ANGLE
4K-14207	12"	≤ 24" [609.6]	83lbs [38.0kg]	90°
5K-15284	16"	> 24" [609.6mm]	117lbs [53.0kg]	90°

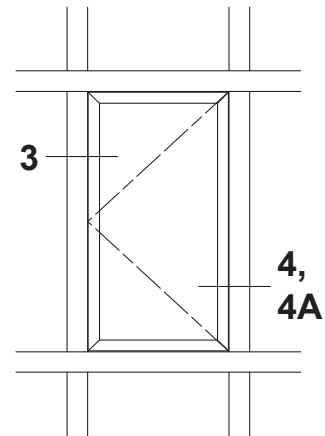
◁: LOCK LOCATION
►: SNUBBERS LOCATION



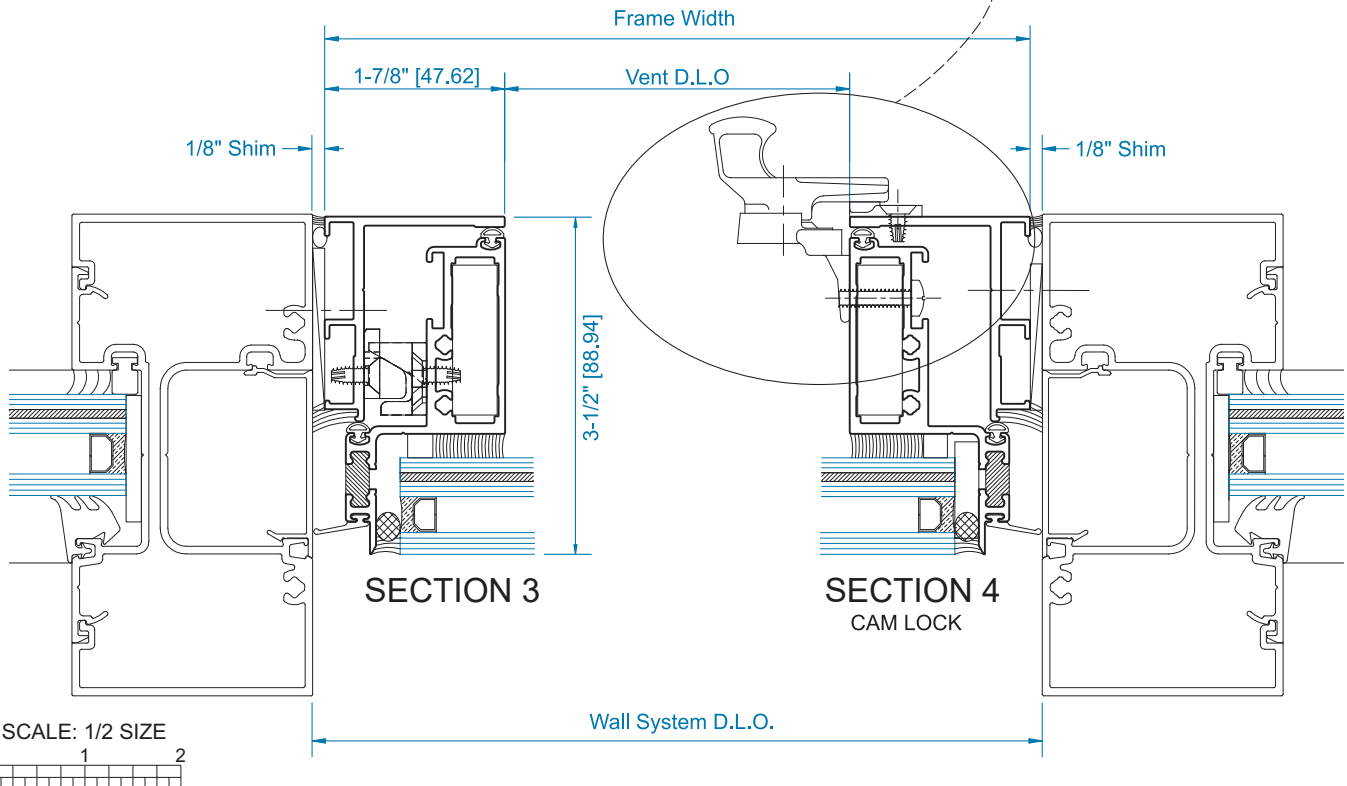
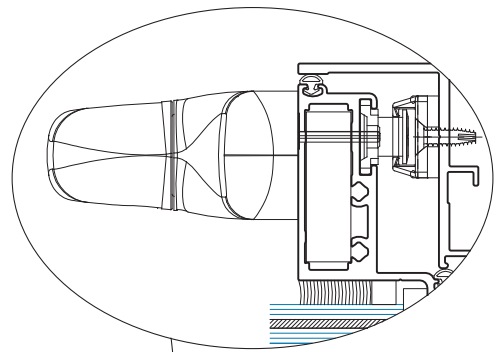
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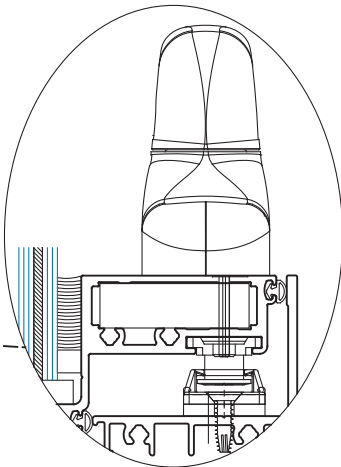
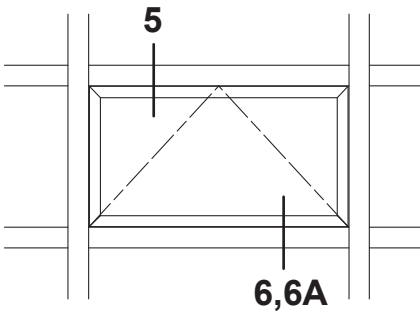
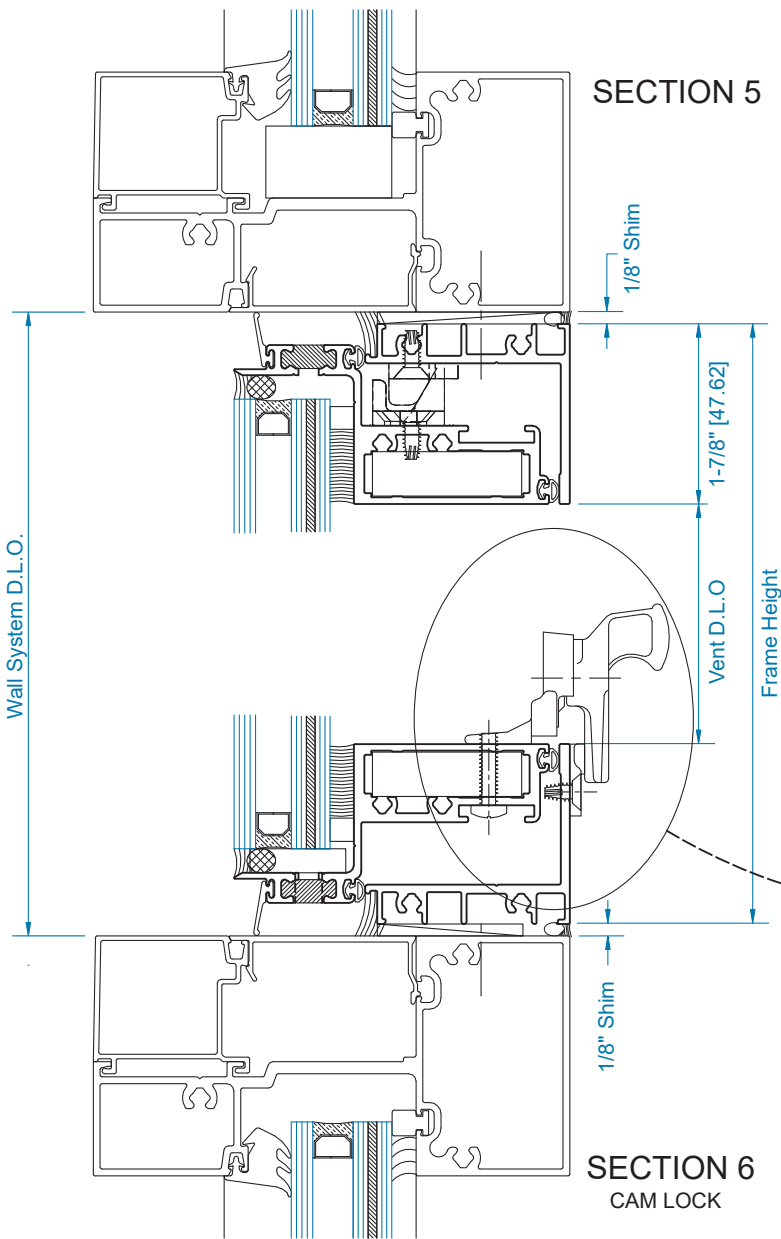
CASEMENT OUT VENT



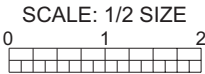
SECTION 4A
VENT MULTI-POINT
LOCK (VMPL)



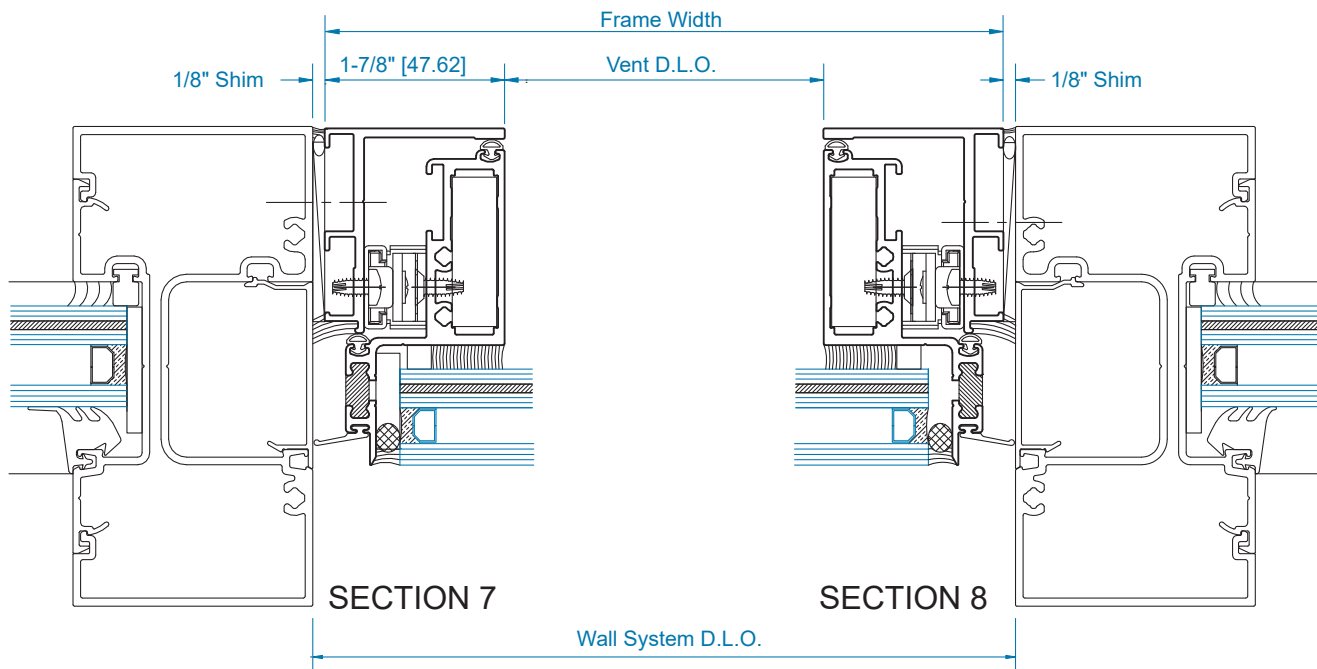
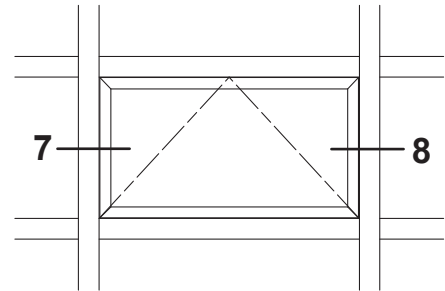
PROJECT OUT VENT



SECTION 6A
VENT MULTI-POINT
LOCK (VMPL)



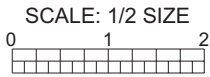
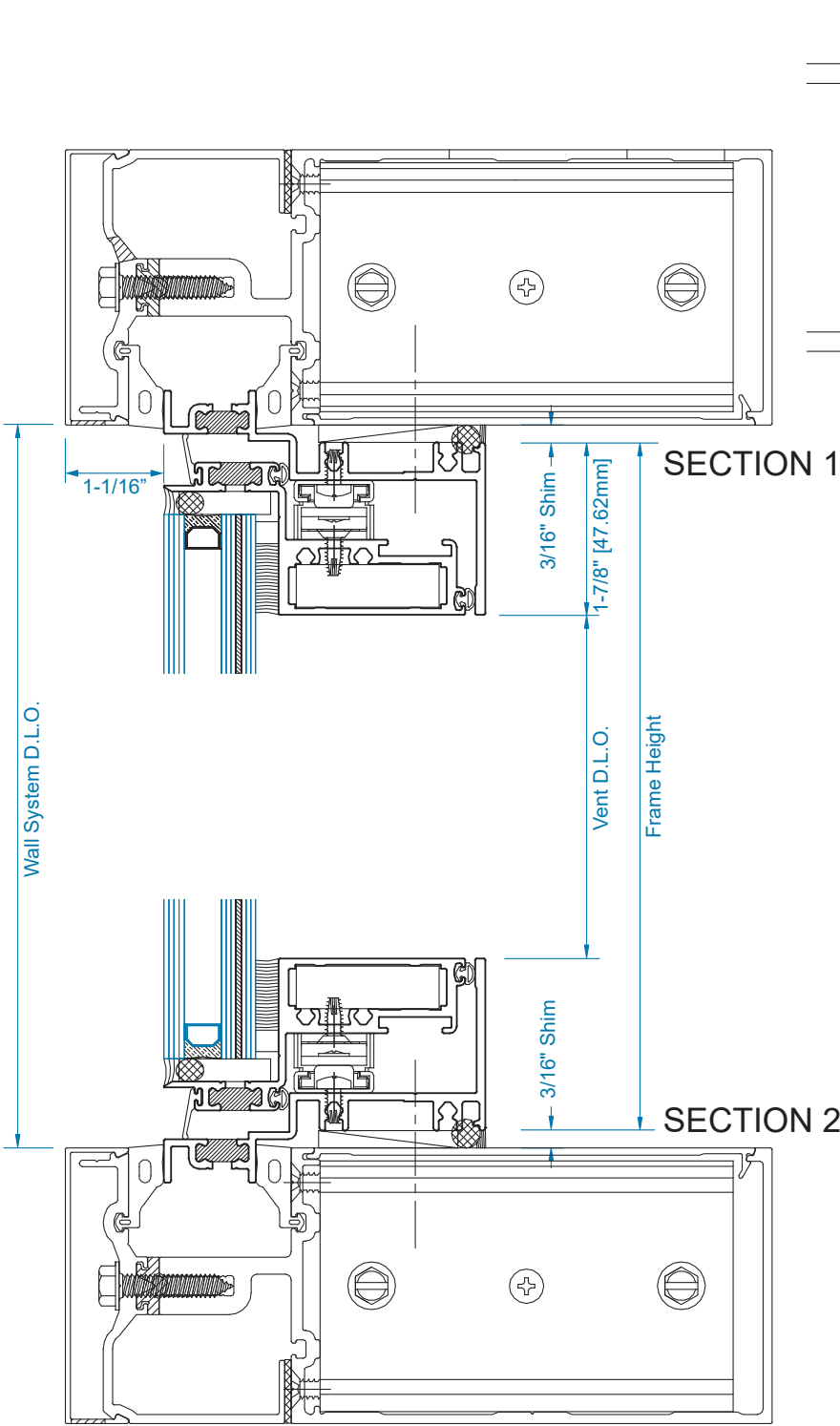
PROJECT OUT VENT



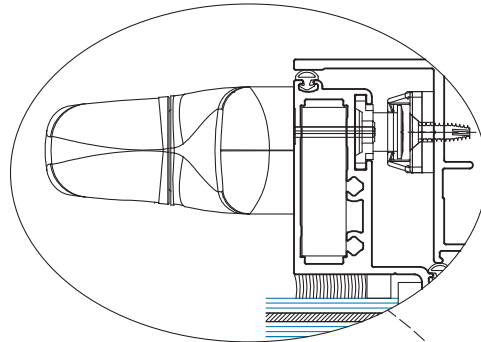
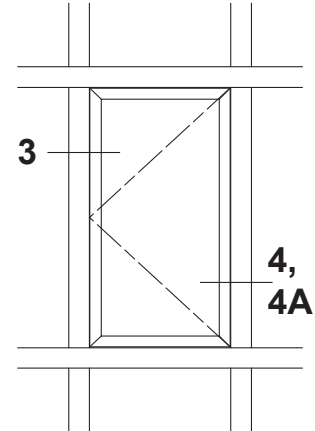
SCALE: 1/2 SIZE



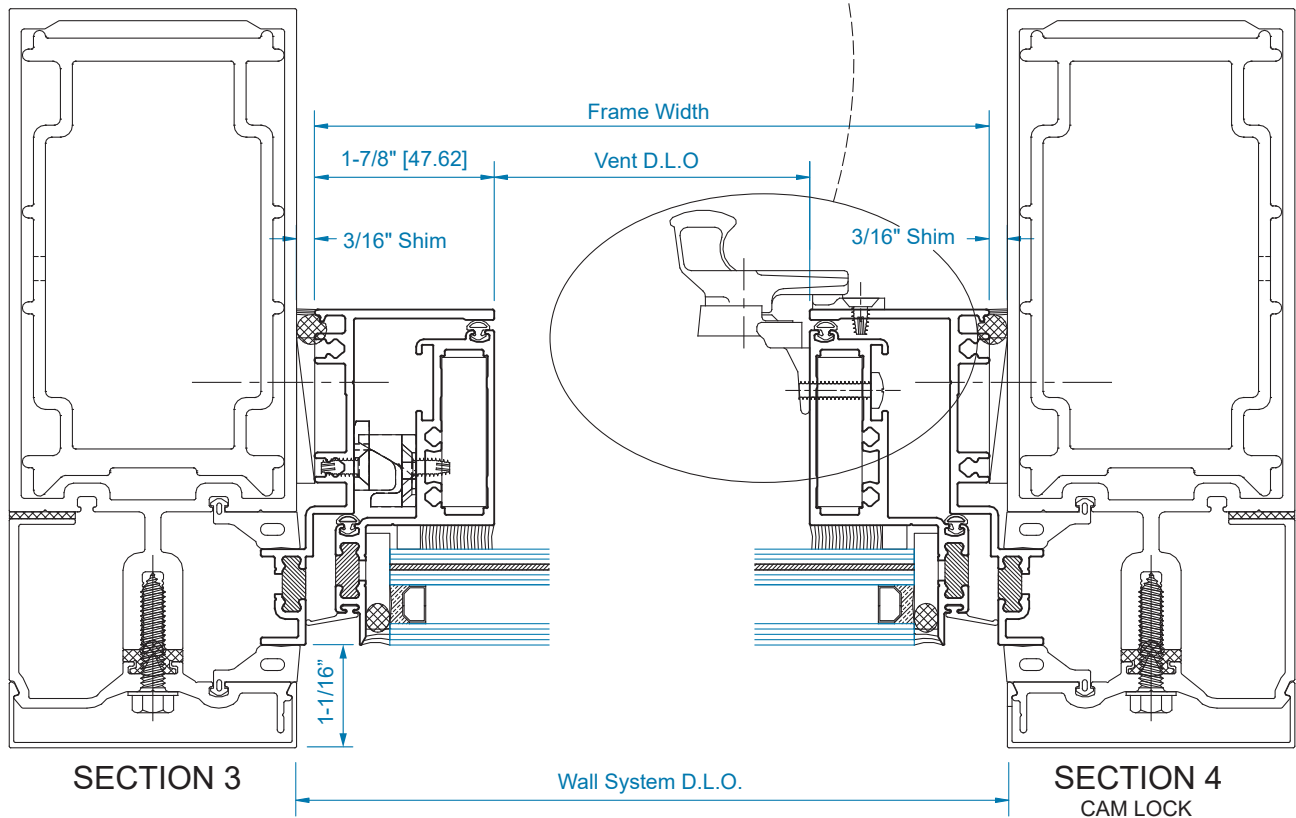
CASEMENT OUT VENT
W/ FRAME FILLER



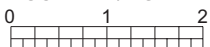
**CASEMENT OUT VENT
W/ FRAME FILLER**

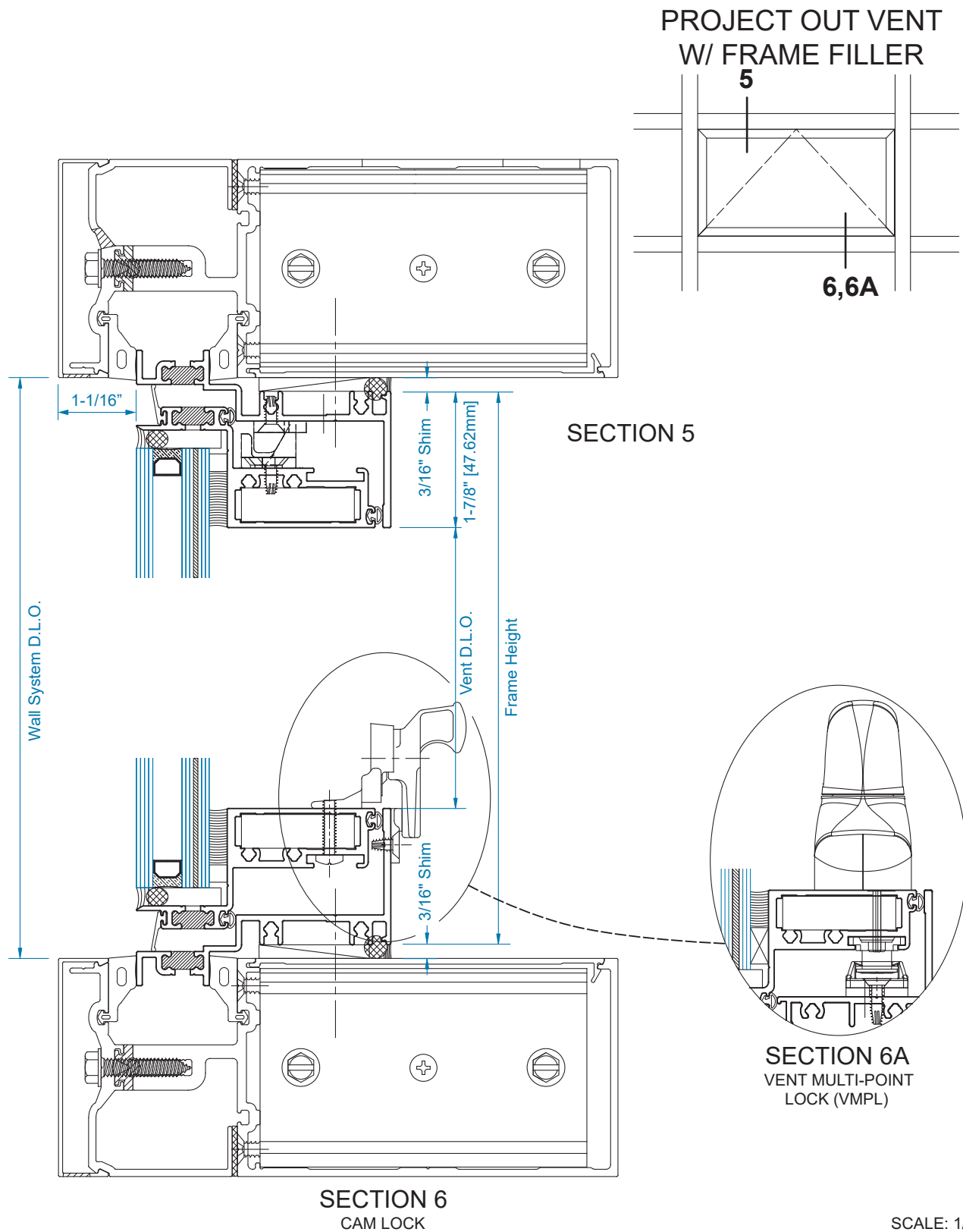


**SECTION 4
VENT MULTI-POINT
LOCK (VMPL)**

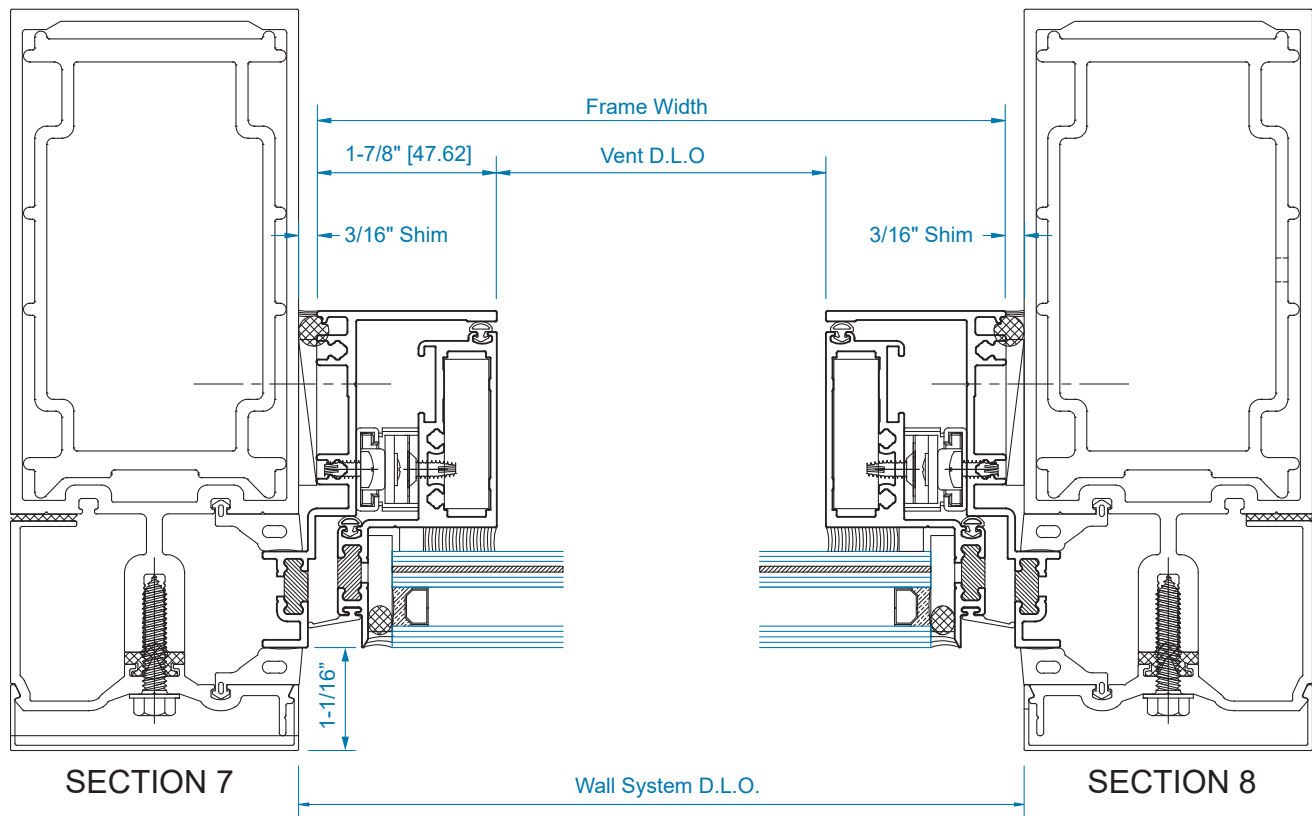
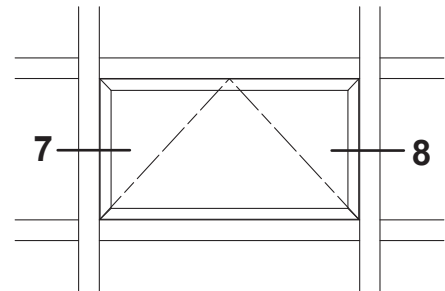


SCALE: 1/2 SIZE

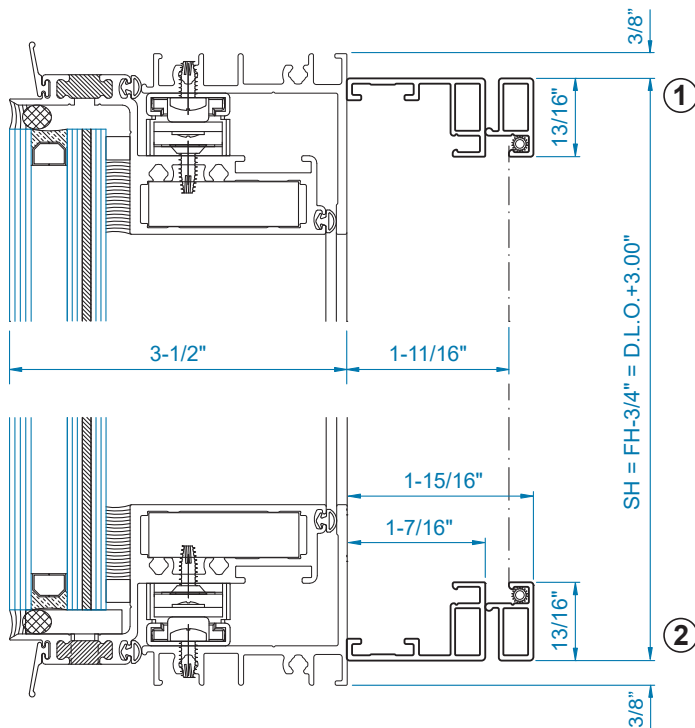




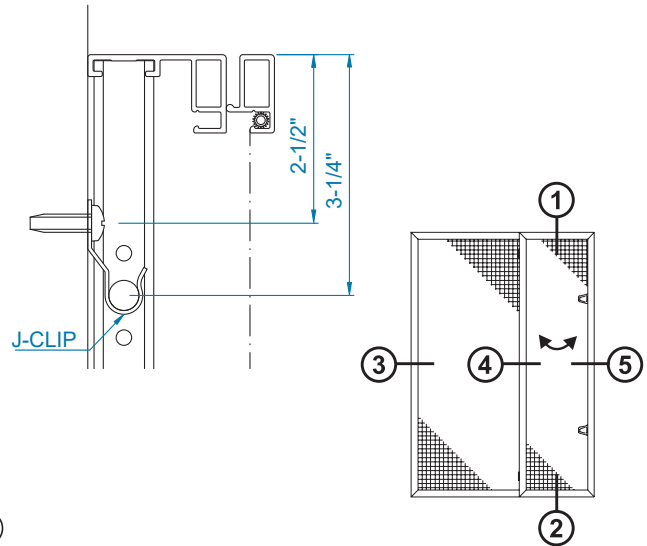
**PROJECT OUT VENT
W/ FRAME FILLER**



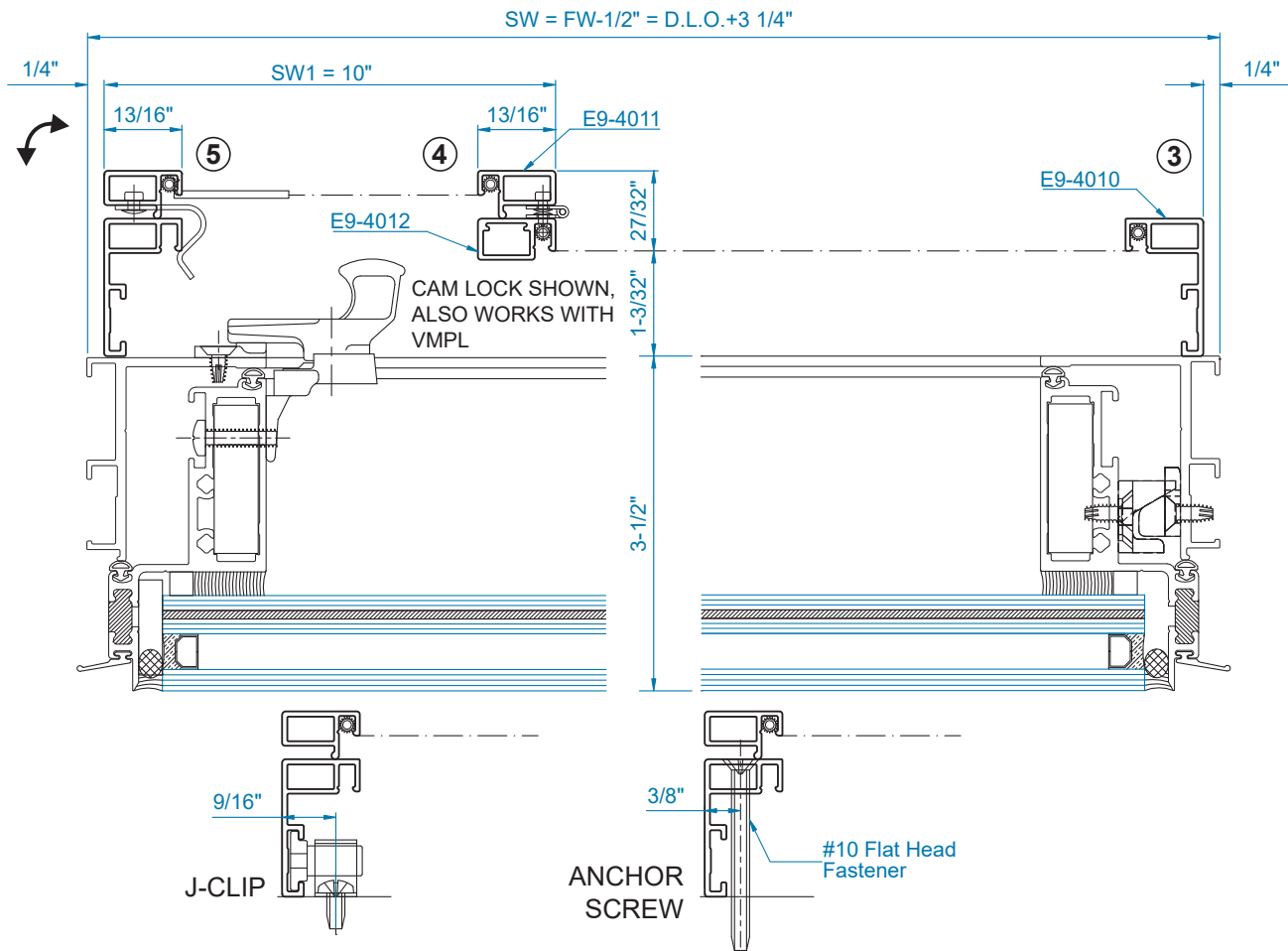
SCALE: 1/2 SIZE
0 1 2

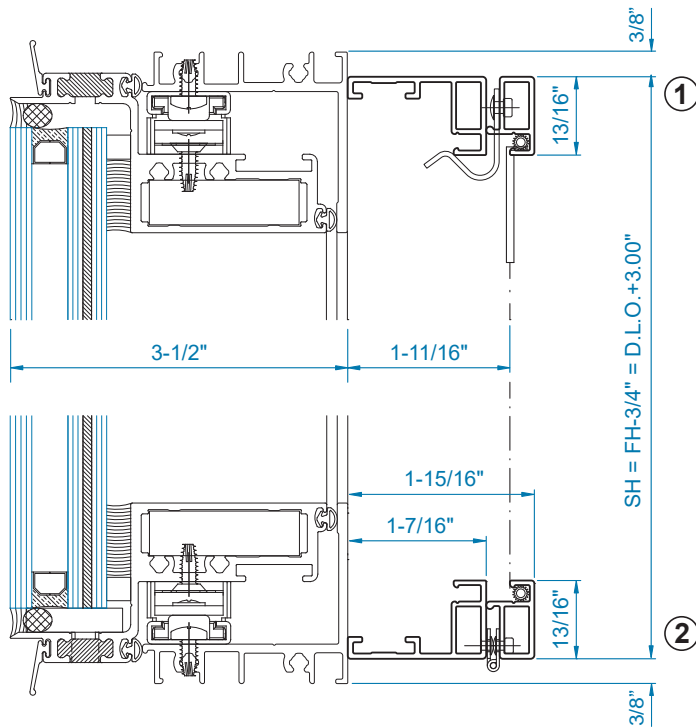


SCREEN ATTACHMENT OPTIONS

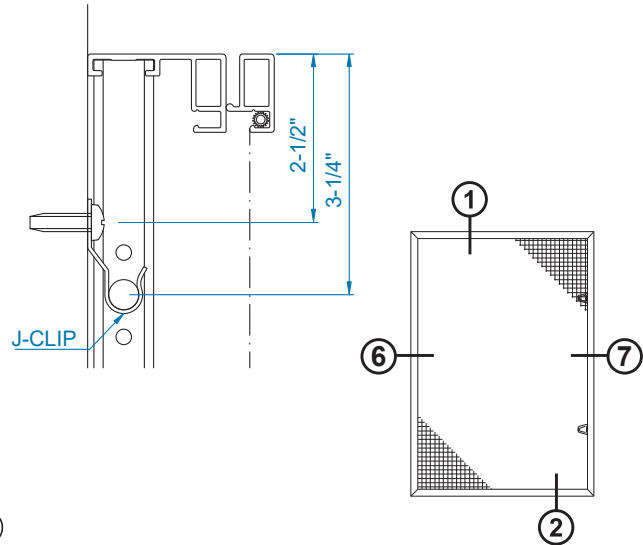


SCREEN FOR CASEMENT OUTSWING
(INSTALLED ON THE INTERIOR)

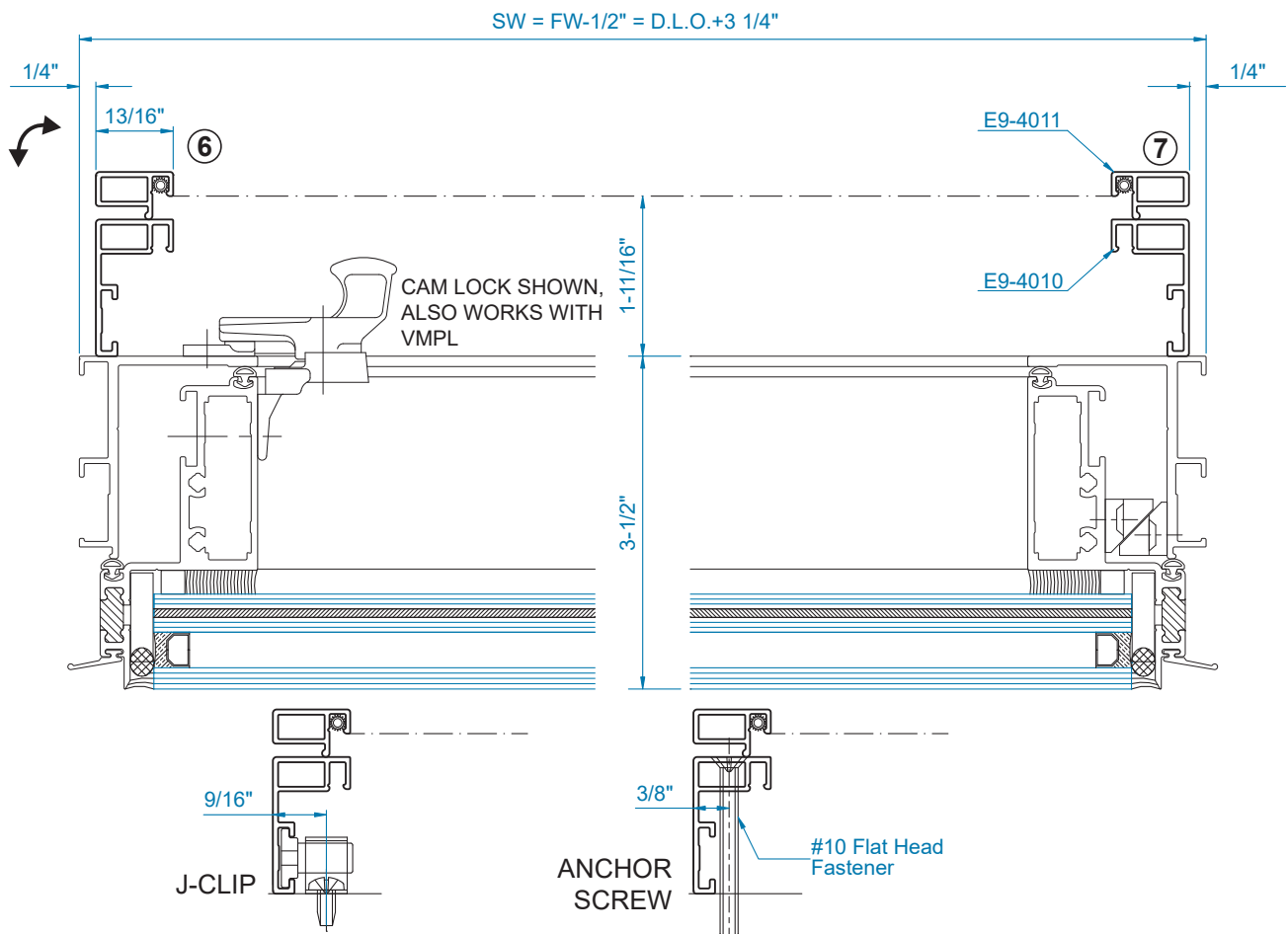


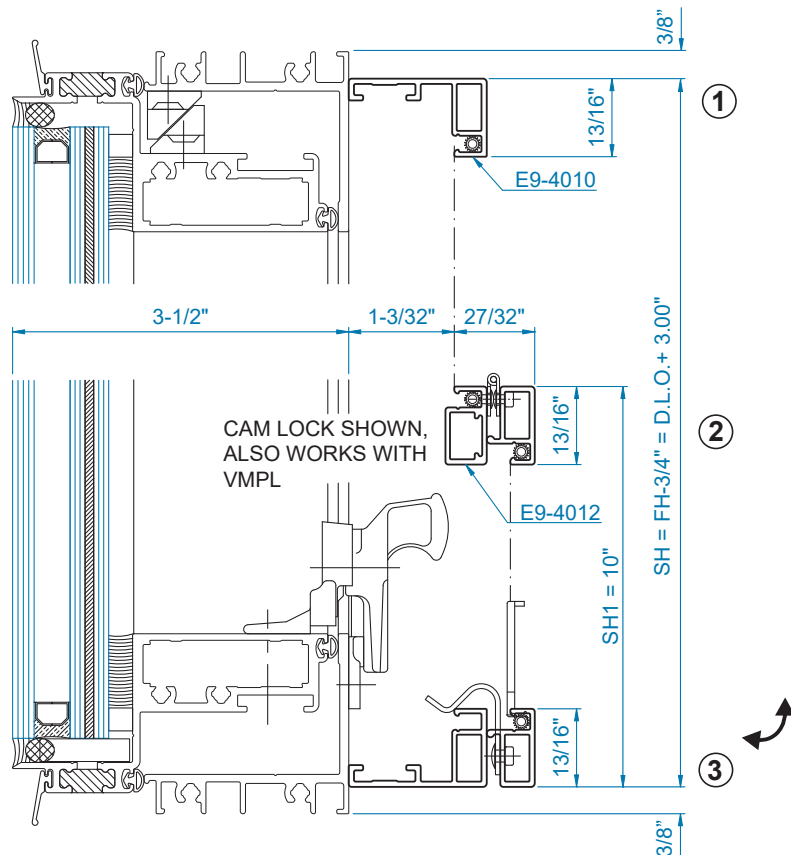


SCREEN ATTACHMENT OPTIONS

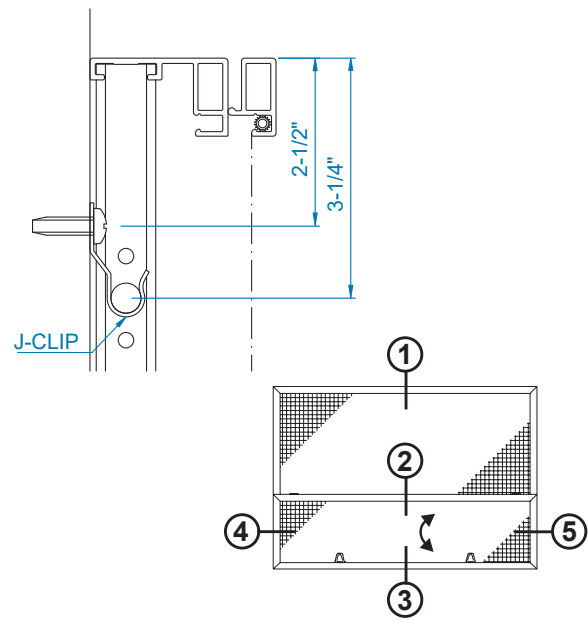


**SCREEN FOR CASEMENT OUTSWING
(INSTALLED ON THE INTERIOR)**

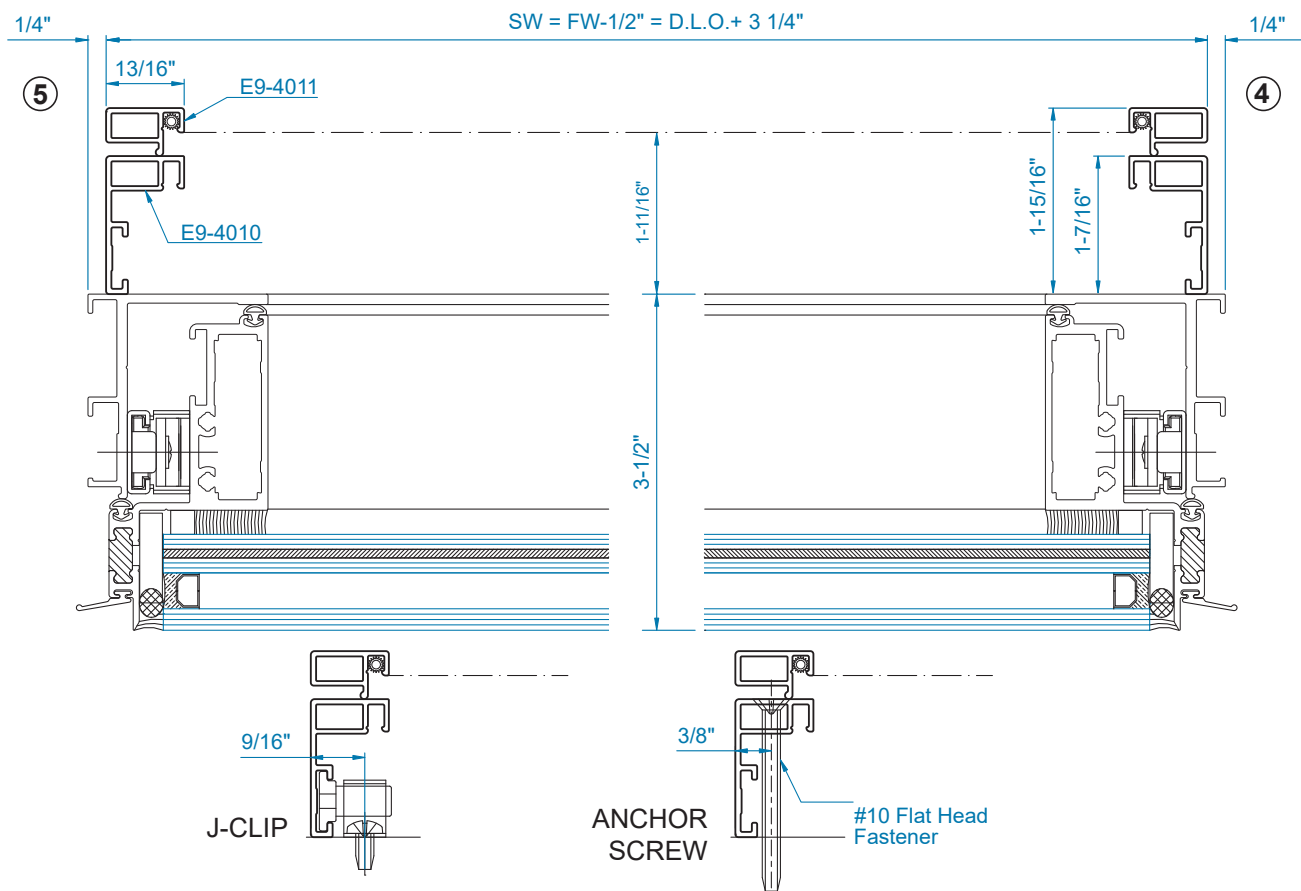


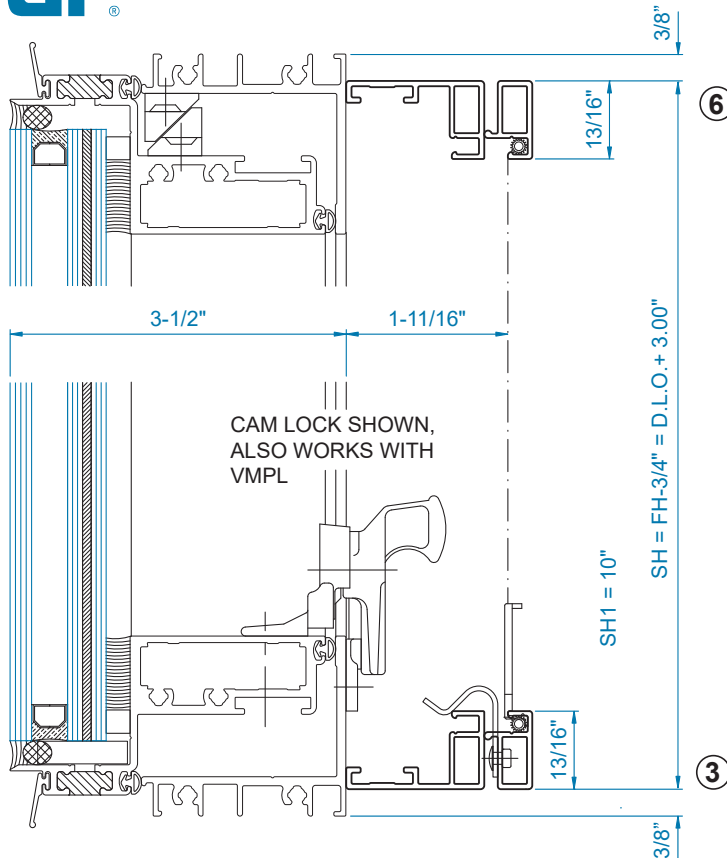


SCREEN ATTACHMENT OPTIONS

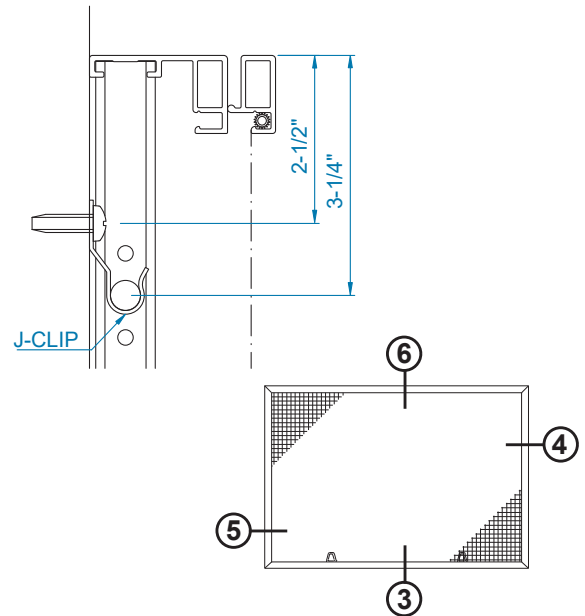


SCREEN FOR PROJECT OUTSWING
(INSTALLED ON THE INTERIOR)

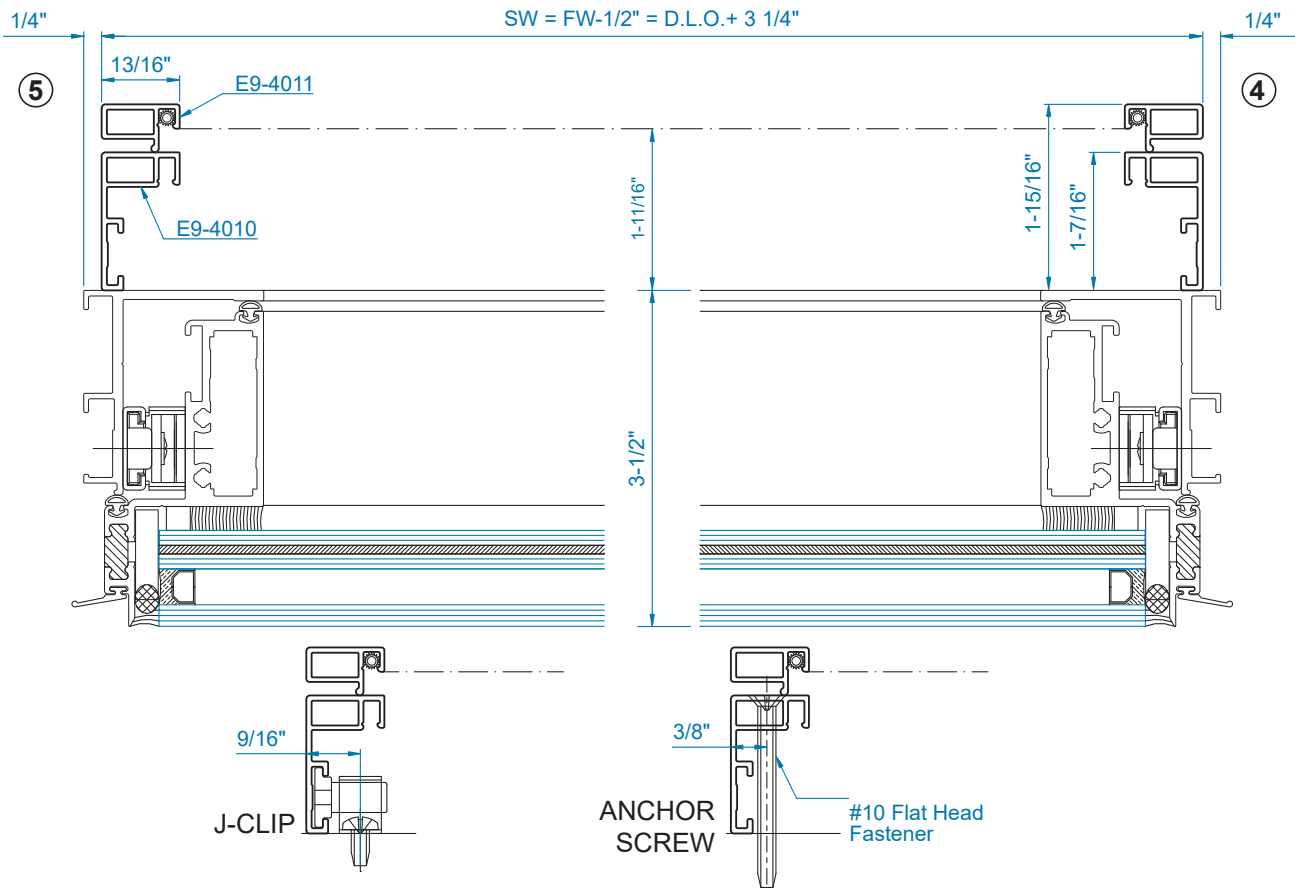


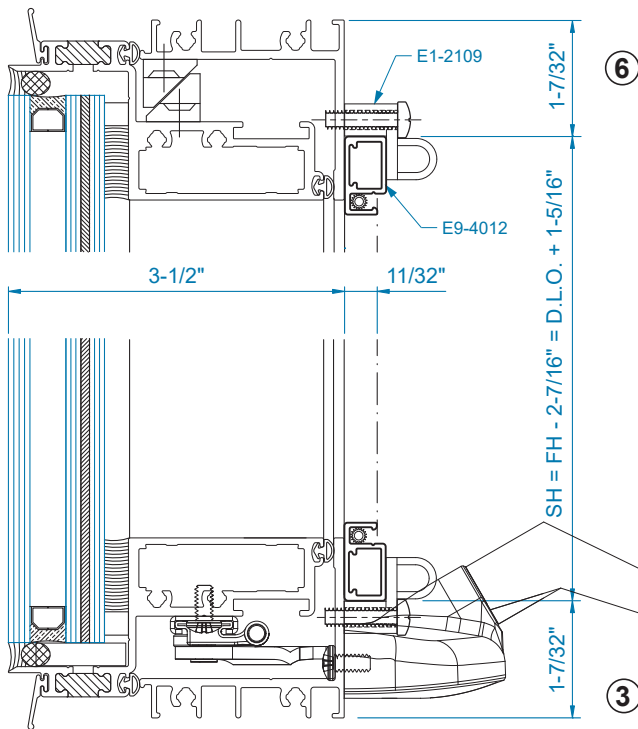


SCREEN ATTACHMENT OPTIONS

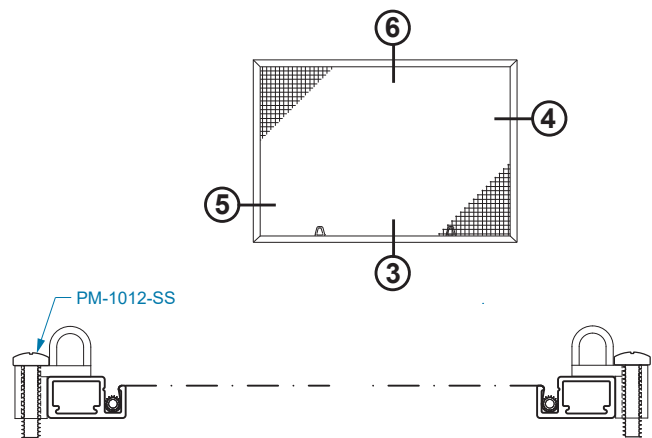


**SCREEN FOR PROJECT OUTSWING
(INSTALLED ON THE INTERIOR)**

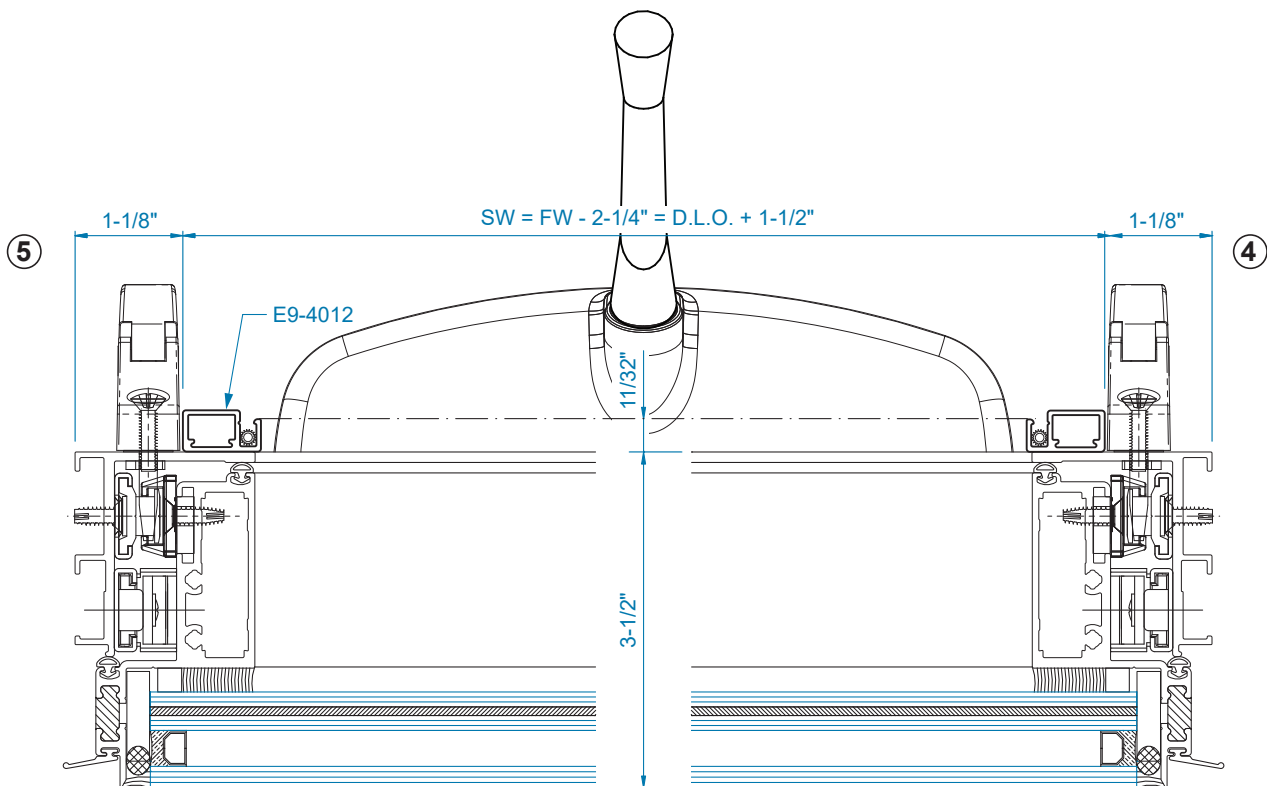




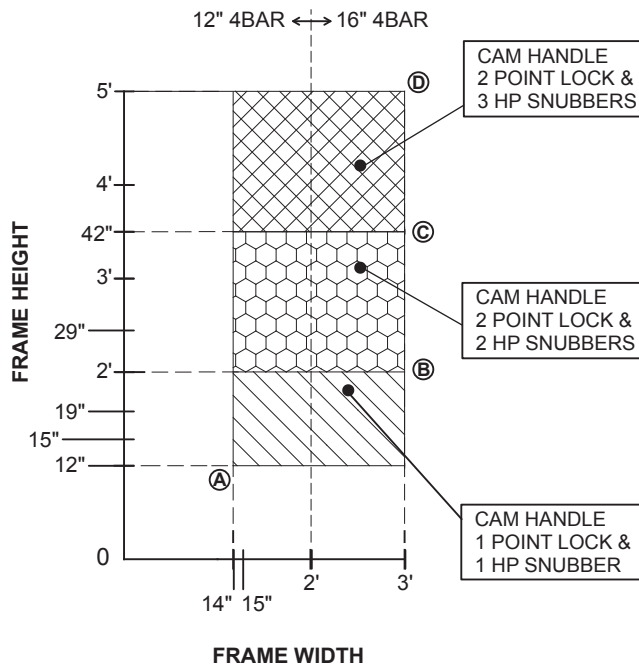
SCREEN ATTACHMENT OPTIONS



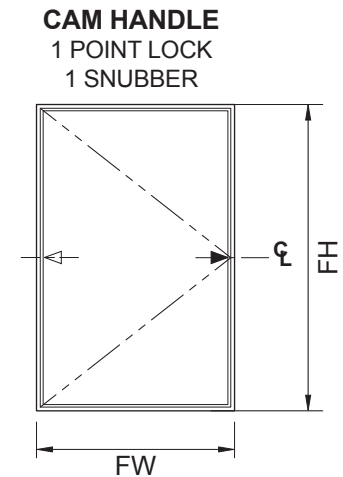
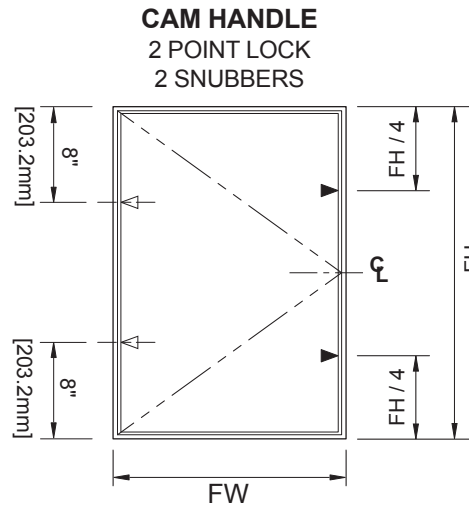
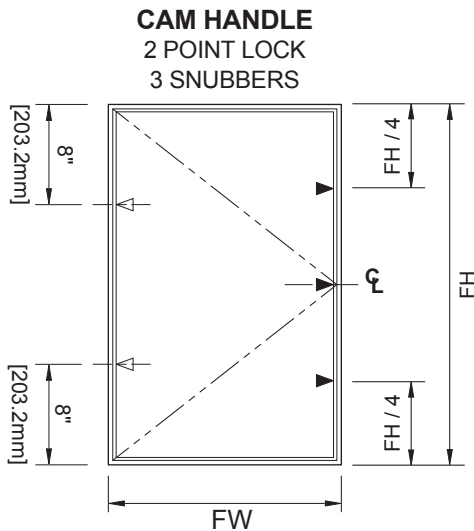
SCREEN FOR PROJECT OUTSWING
(INSTALLED ON THE INTERIOR,
CASEMENT OUTSWING SIMILAR)



CASEMENT OUTSWING



FRAME WIDTH	FRAME HEIGHT
MINIMUM SIZE	
(A) FLAT FRAME	
14" [355.6mm]	12" [304.8mm]
POCKET FRAME	
15" [381.0mm]	15" [381.0mm]
(B) 36" [914.4mm]	24" [609.6mm]
(C) 36" [914.4mm]	42" [1066.8mm]
MAXIMUM SIZE	
(D) 36" [914.4mm]	60" [1524.0mm]
(Based on 65 psf, 36 lbs max rotational load, 116 lbs max vent weight, 45° max vent opening, and listed hardware)	

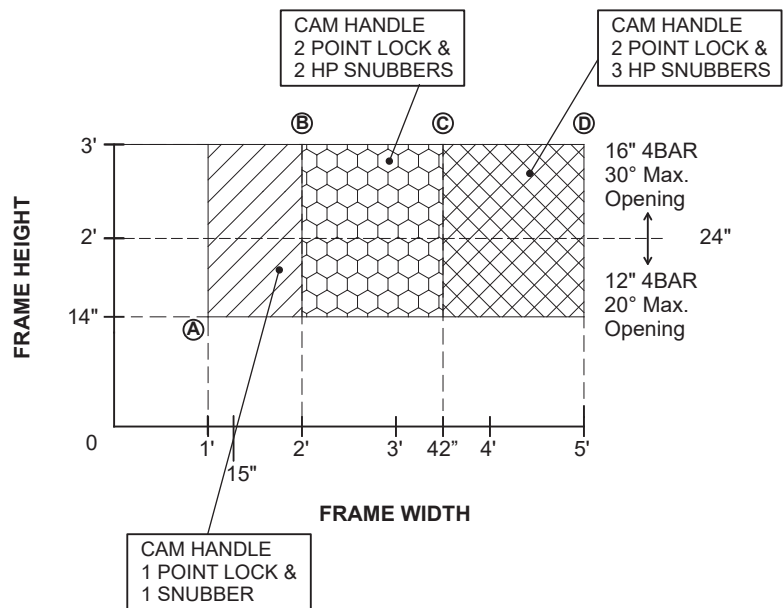


PART NO.	LENGTH	FRAME WIDTH	MAX. WT.	MAX. OPENING ANGLE
4K-14207	12"	≤ 24" [609.6mm]	83lbs [38.0kg]	90°
4K-14208	16"	> 24" [609.6mm]	116lbs [52.6kg]	*90°

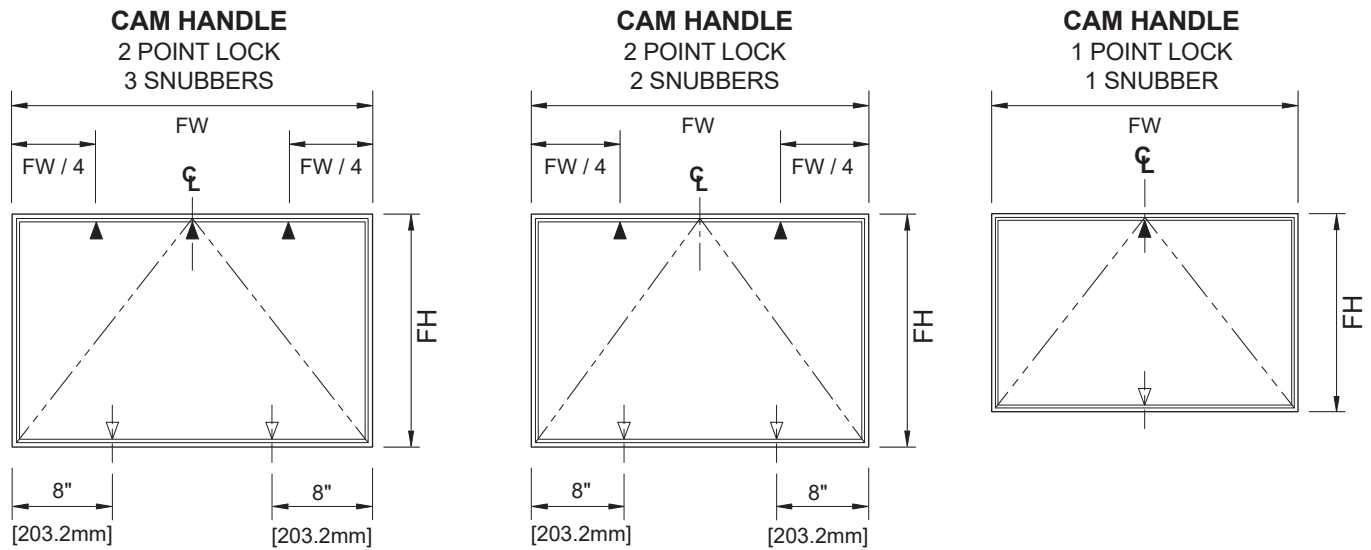
◁: LOCK LOCATION
▶: SNUBBER LOCATION

* See Window Size Limits

PROJECT OUT



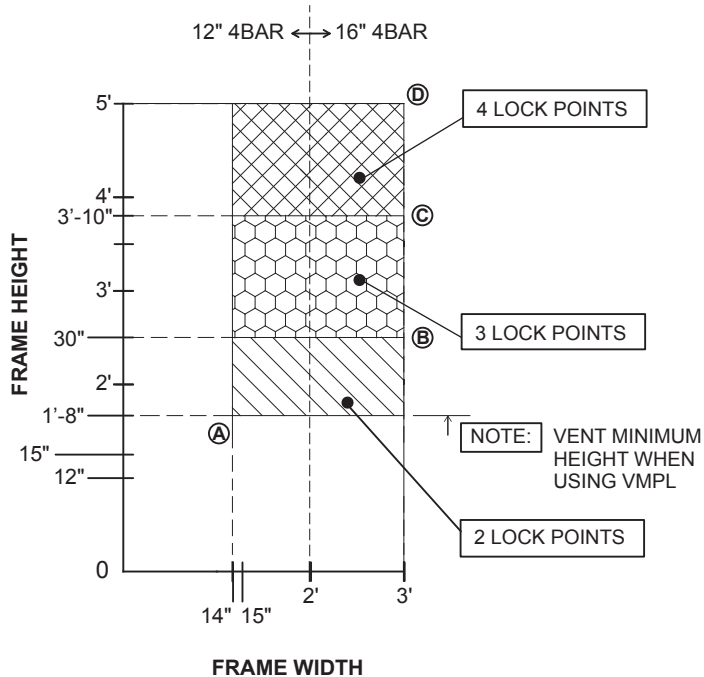
FRAME WIDTH	FRAME HEIGHT
MINIMUM SIZE	
① FLAT FRAME	
12" [304.8mm]	14" [355.6mm]
POCKET FRAME	
15" [381.0mm]	15" [381.0mm]
② 29" [609.6mm]	36" [914.4mm]
③ 42" [1066.8mm]	36" [914.4mm]
MAXIMUM SIZE	
④ 60" [1542.0mm]	36" [914.4mm]
(Based on 65 psf and listed hardware)	



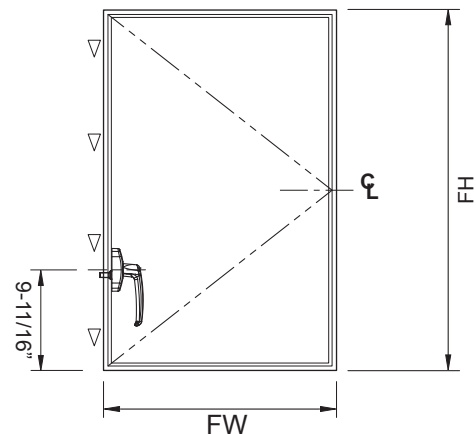
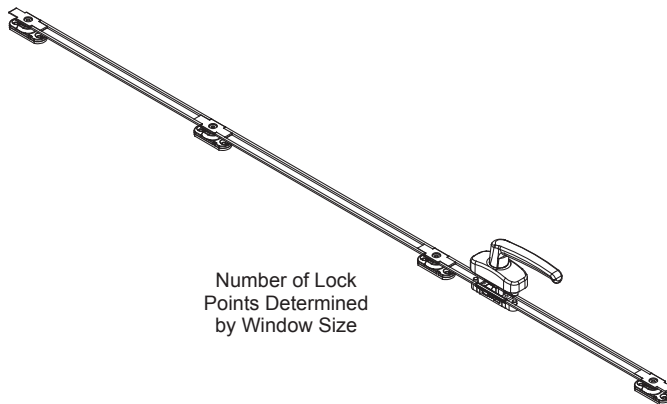
PART NO.	LENGTH	FRAME SIZE	MAX. WT.	MAX. OPENING ANGLE
4K-14207	12"	W ≤ 60" [1524.0] H ≤ 24" [609.6]	78lbs [35.4kg]	20°
5K-15284	16"	W ≤ 60" [1524.0] H ≤ 36" [914.4]	135lbs [61.2kg]	30°

◁: LOCK LOCATION
▶: SNUBBER LOCATION

CASEMENT OUTSWING W/ VENT MULTI POINT LOCKS (VMPL)



FRAME WIDTH	FRAME HEIGHT
MINIMUM SIZE	
Ⓐ FLAT FRAME	
14" [355.6mm]	20" [508.0mm]
POCKET FRAME	
15" [381.0mm]	20" [508.0mm]
Ⓑ 36" [914.4mm]	30" [762.2mm]
Ⓒ 36" [914.4mm]	46" [1168.4mm]
MAXIMUM SIZE	
Ⓓ 36" [914.4mm]	60" [1524.0mm]
(Based on 80 psf, 36 lbs max rotational load, 116 lbs max vent weight, and listed hardware)	

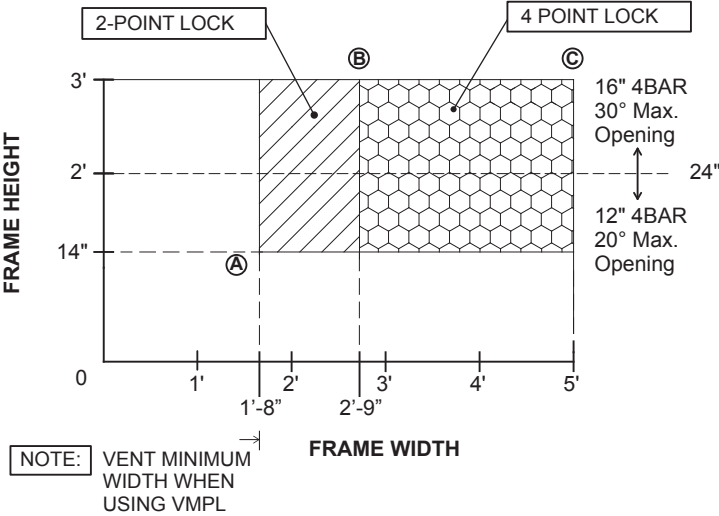


PART NO.	LENGTH	FRAME WIDTH	MAX. WT.	MAX. OPENING ANGLE
4K-14207	12"	≤ 24" [609.6mm]	83lbs [38.0kg]	90°
4K-14208	16"	> 24" [609.6mm]	116lbs [52.6kg]	*90°

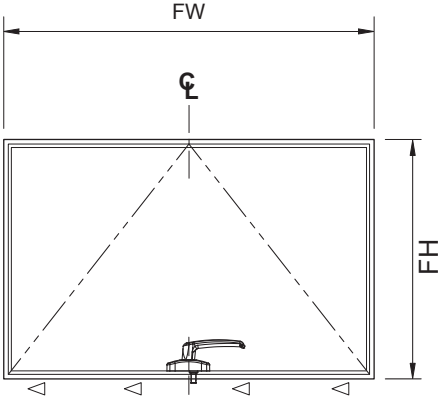
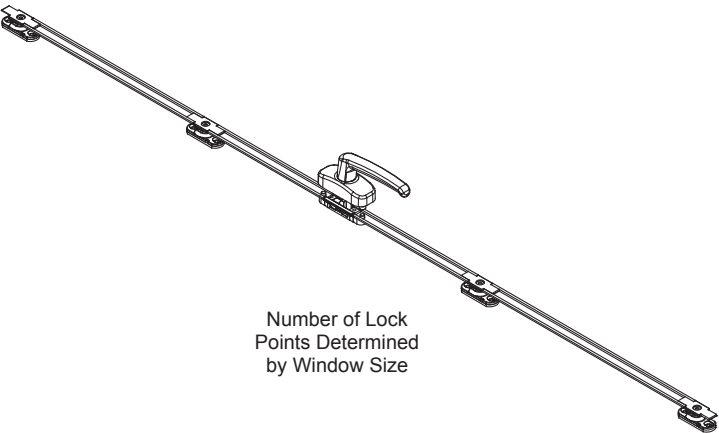
◁: LOCK LOCATION
▶: SNUBBER LOCATION

* See Window Size Limits

PROJECT OUT W/ VENT MULTI POINT LOCKS (VMPL)



FRAME WIDTH	FRAME HEIGHT
MINIMUM SIZE	
Ⓐ FLAT FRAME	
20" [508.0mm]	14 " [355.6mm]
POCKET FRAME	
20" [508.0mm]	15" [381.0mm]
Ⓑ 33" [838.2mm]	36" [914.4mm]
MAXIMUM SIZE	
Ⓒ 60" [1542.0mm]	36" [914.4mm]
(Based on 80 psf and listed hardware)	



PART NO.	LENGTH	FRAME SIZE	MAX. WT.	MAX. OPENING ANGLE
4K-14207	12"	W ≤ 60" [1524.0] H ≤ 24" [609.6]	78lbs [35.4kg]	20°
5K-15284	16"	W ≤ 60" [1524.0] H ≤ 36" [914.4]	135lbs [61.2kg]	30°

◁ : LOCK LOCATION
▶ : SNUBBER LOCATION