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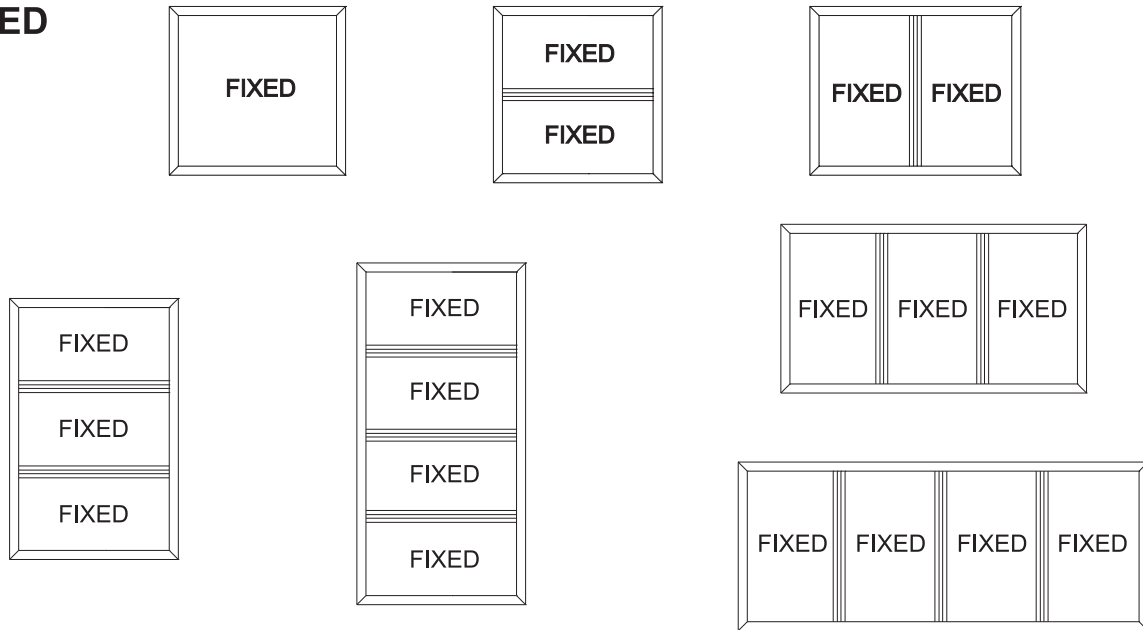
**YOW 350 XT OPERABLE WINDOW SYSTEM
FOR INSULATING GLASS
3-1/2" DEPTH**

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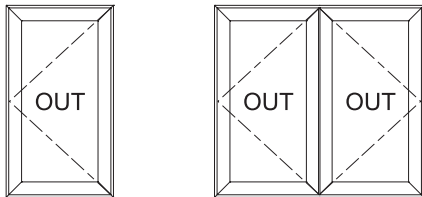
*The latest installation instructions for this product are available at www.ykkap.com.

YOW 350 XT WINDOW VARIATIONS

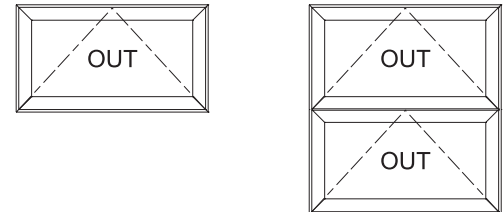
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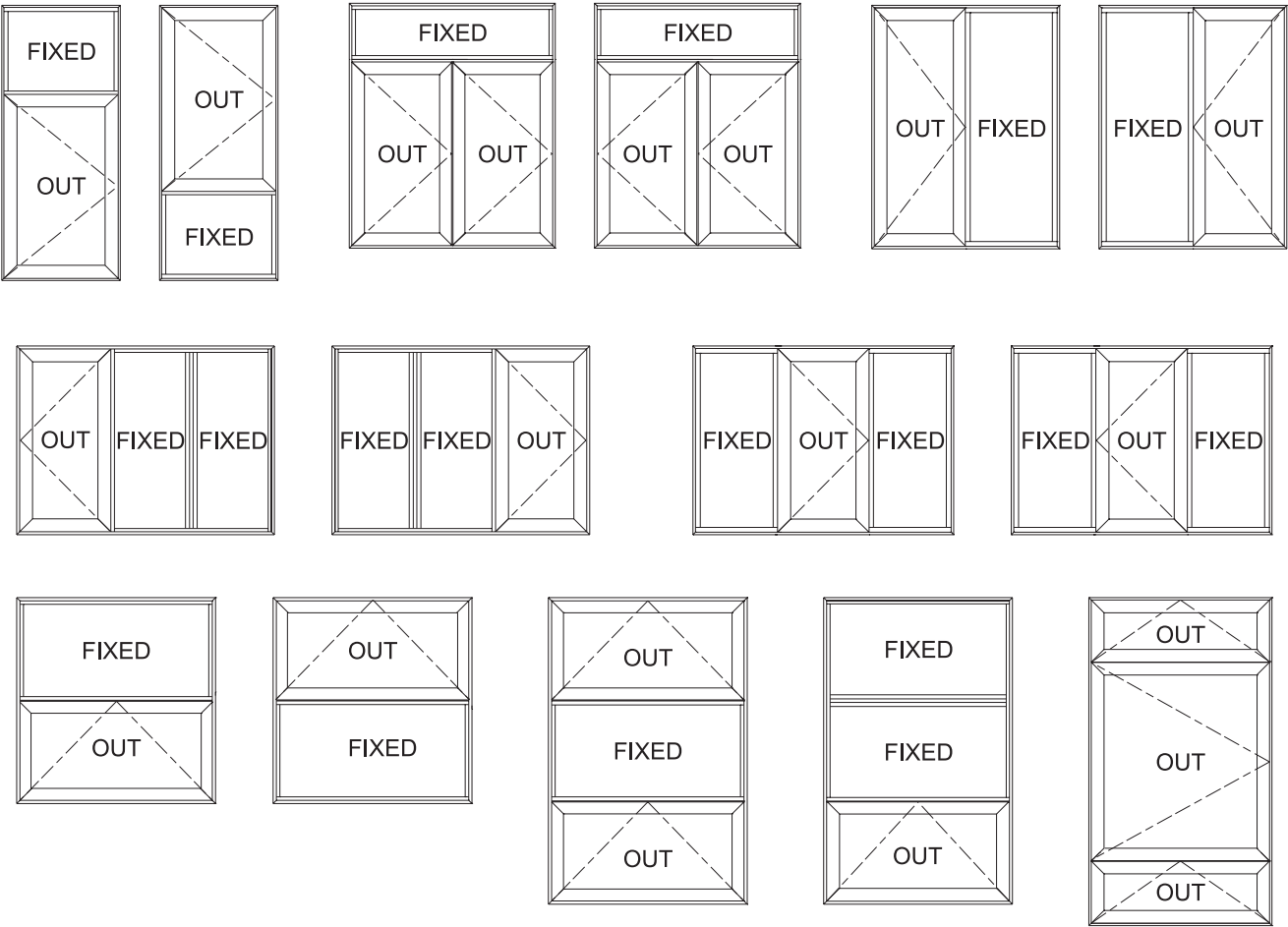


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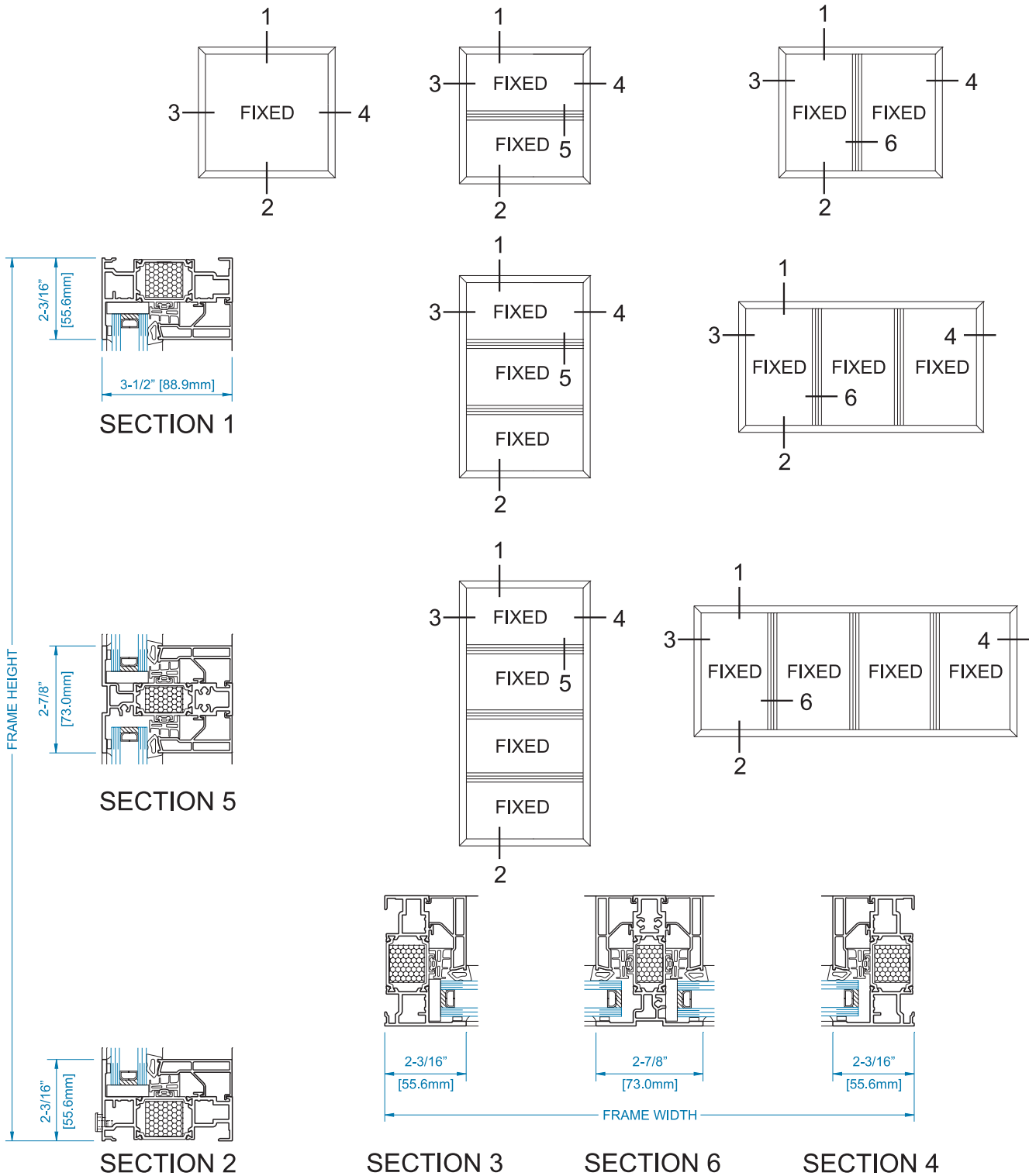


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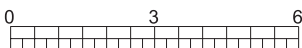
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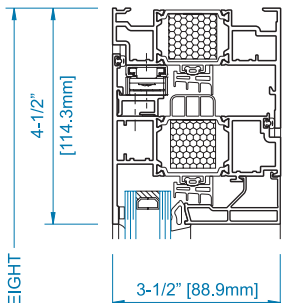
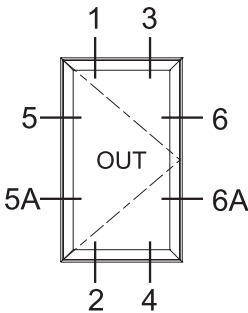
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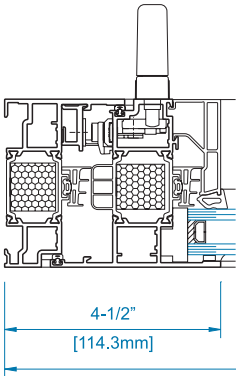
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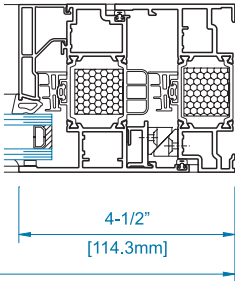
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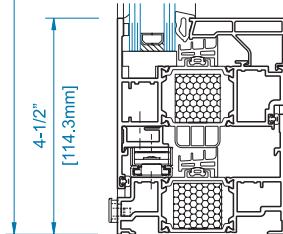
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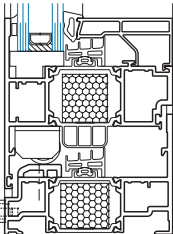
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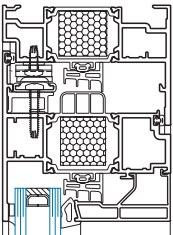


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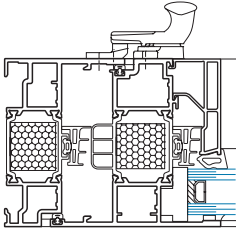
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w/ Guide Roller
Butt Hinge Optional per
Vent Size Limits



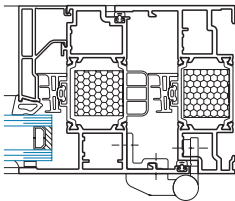
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Butt Hinge Optional per
Vent Size Limits



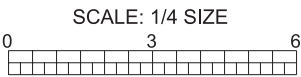
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w/ Optional Cam Lock

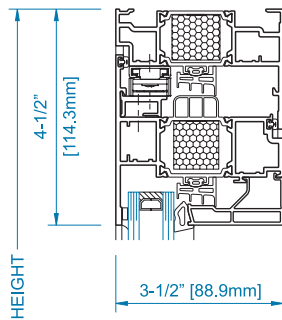
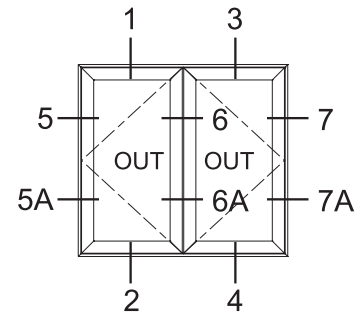


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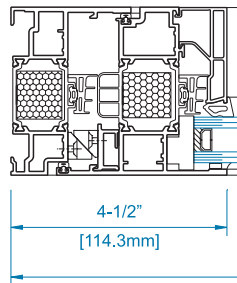
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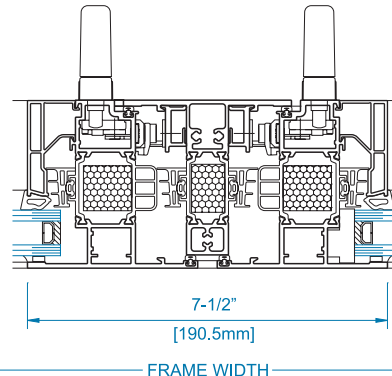
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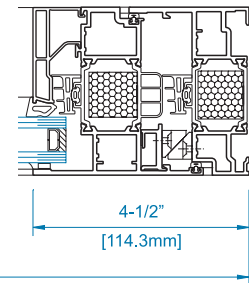
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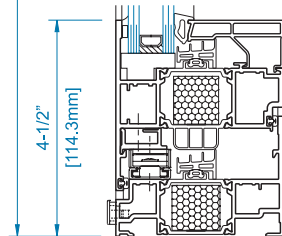
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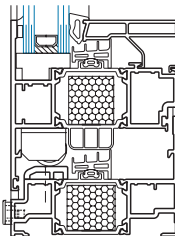
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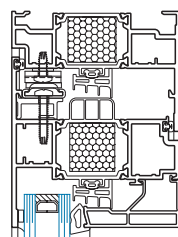
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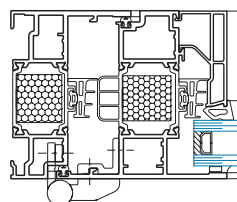
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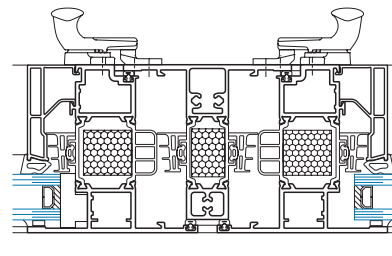
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w/ Guide Roller
Butt Hinge Optional per
Vent Size Limits



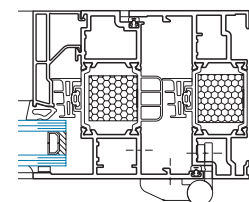
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w/ Friction Adjuster
Butt Hinge Optional per
Vent Size Limits



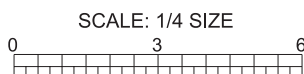
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Butt Hinge Optional per
Vent Size Limits



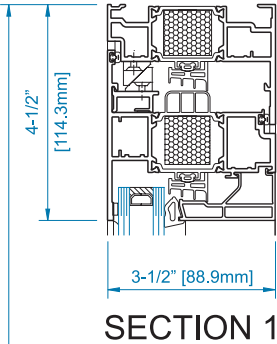
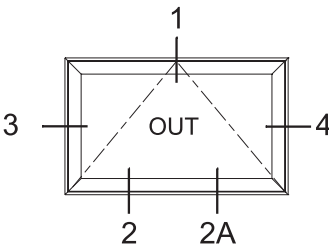
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w/ Optional Cam Lock



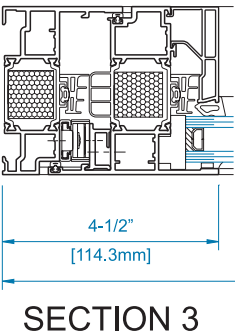
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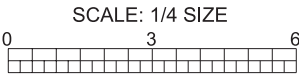
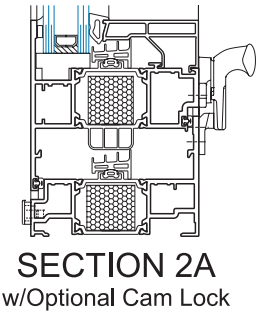
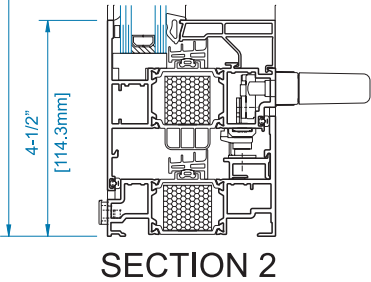
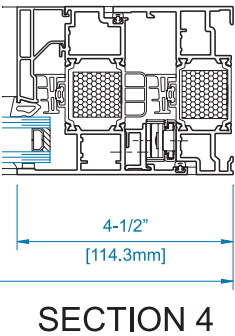
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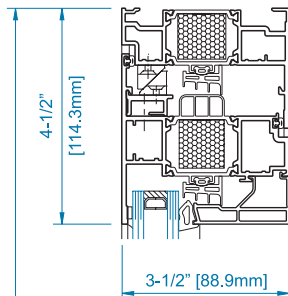
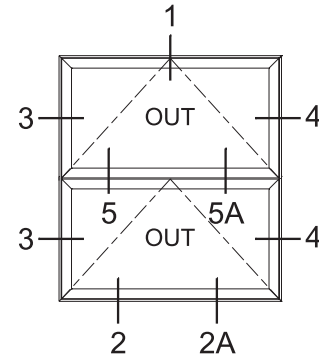
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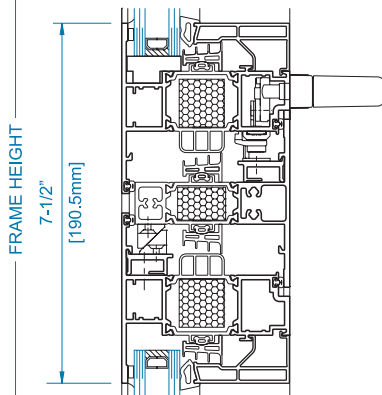
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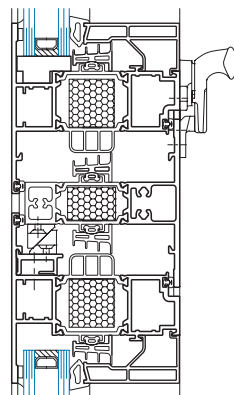
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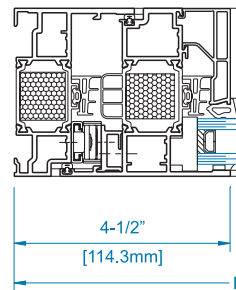
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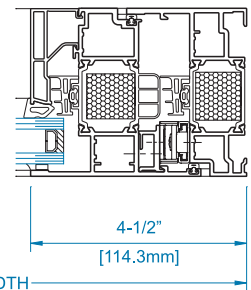
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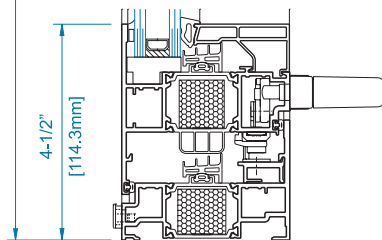
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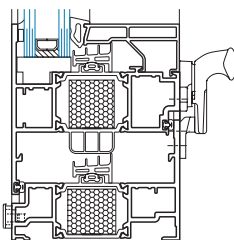
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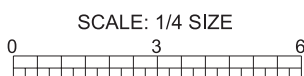
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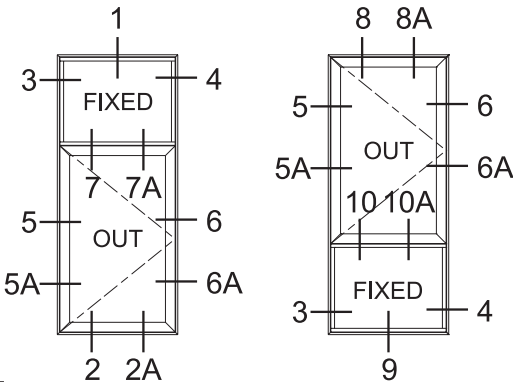
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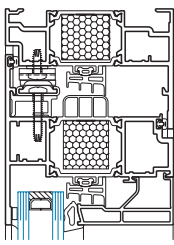
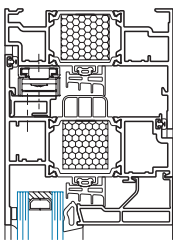
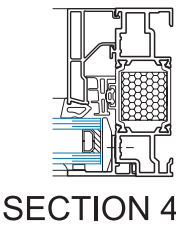
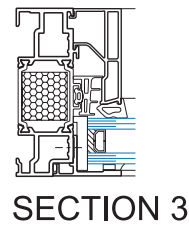
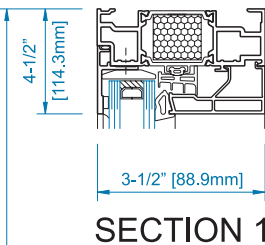


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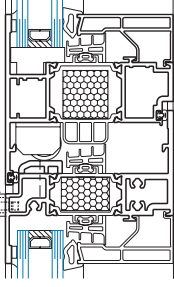
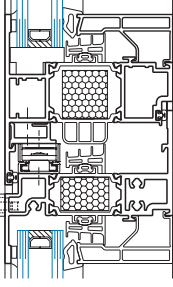
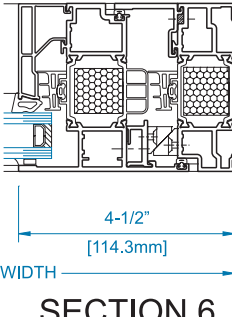
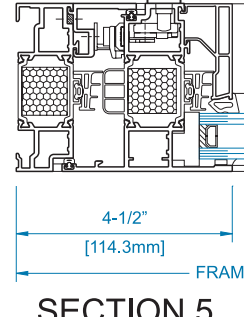
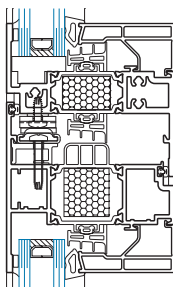
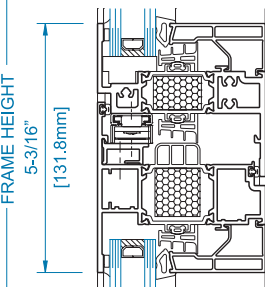


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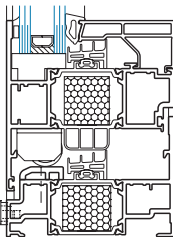
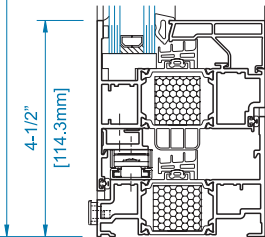
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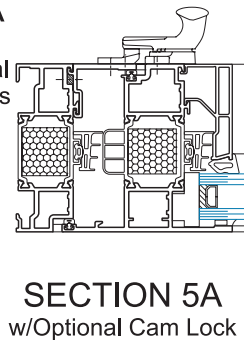
w/ Friction Adjuster
Butt Hinge Optional
per Vent Size Limits



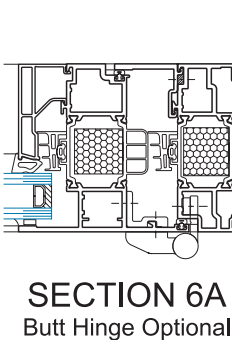
w/ Guide Roller
Butt Hinge Optional
per Vent Size Limits



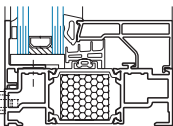
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Butt Hinge Optional
per Vent Size Limits



w/ Optional Cam Lock



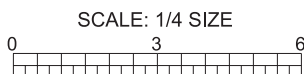
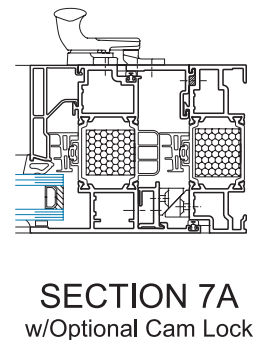
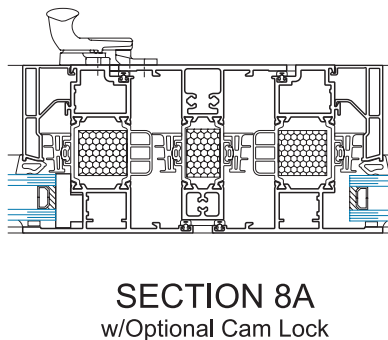
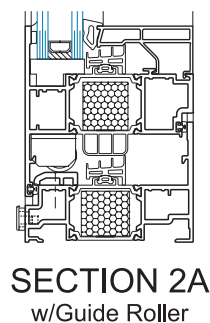
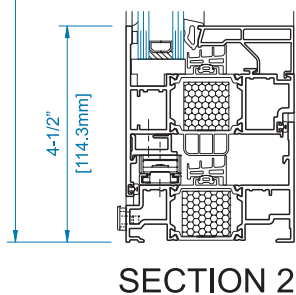
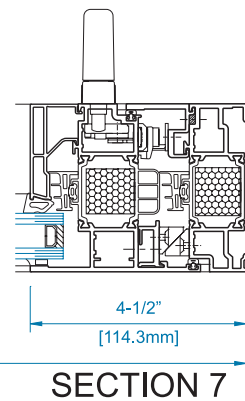
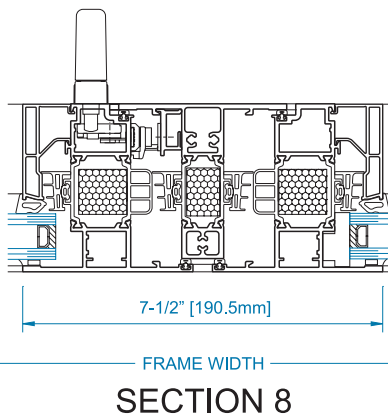
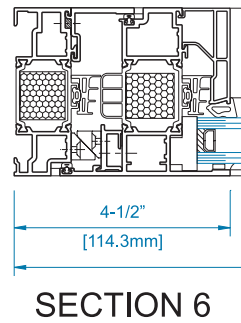
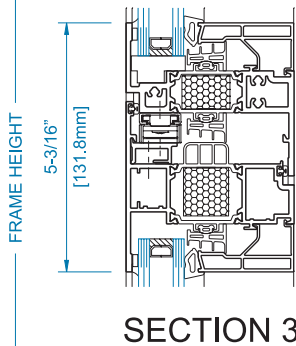
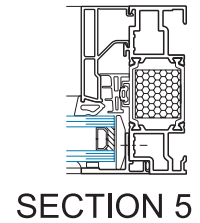
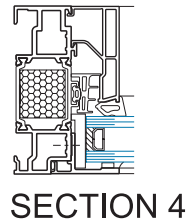
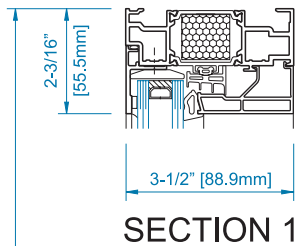
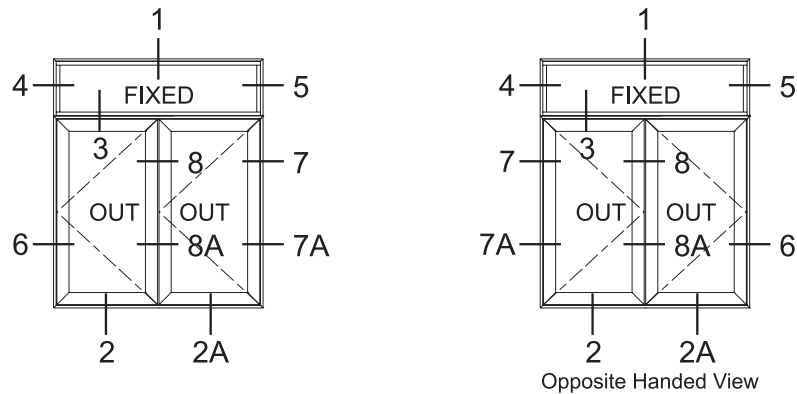
Butt Hinge Optional
per Vent Size Limits



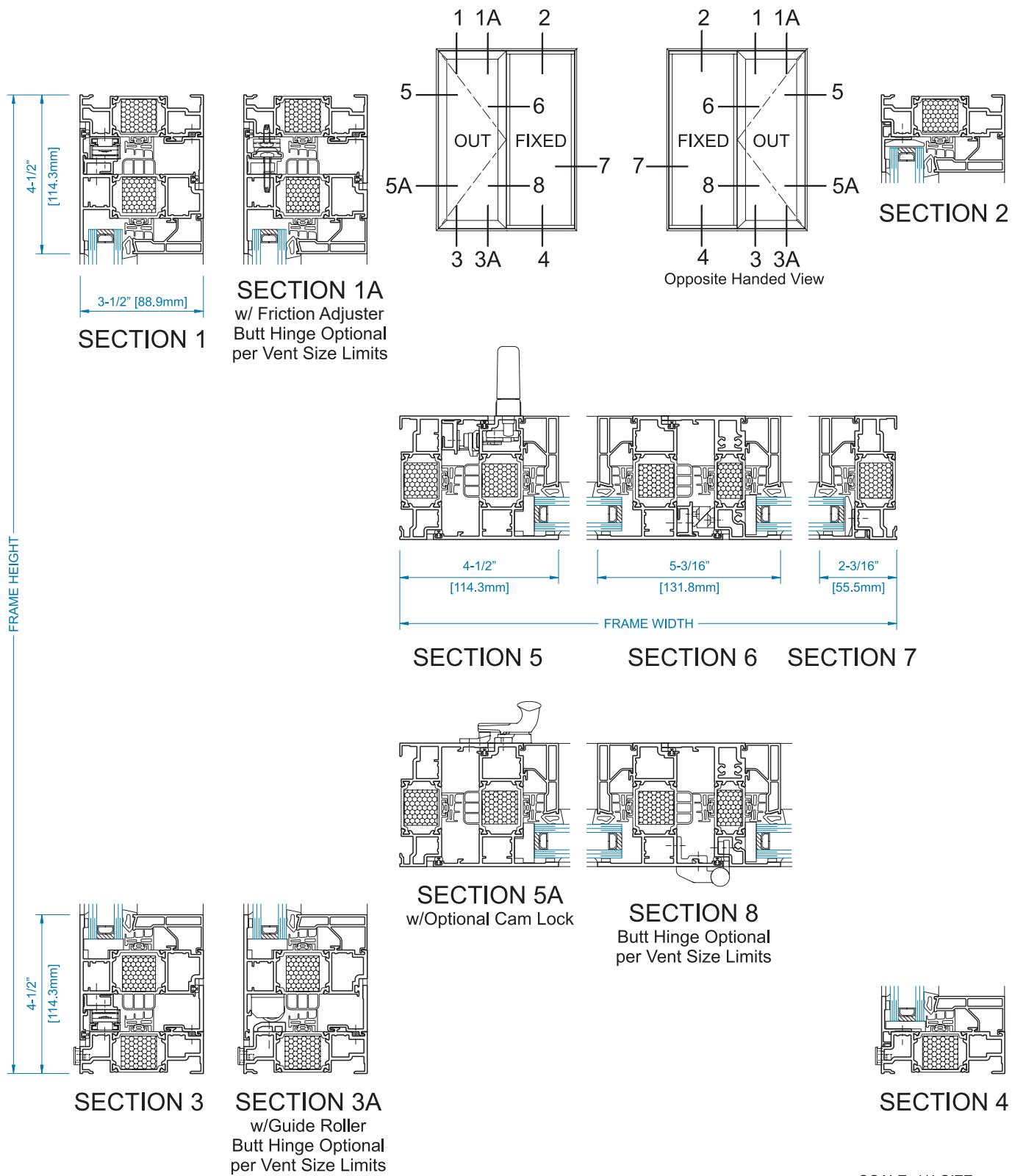
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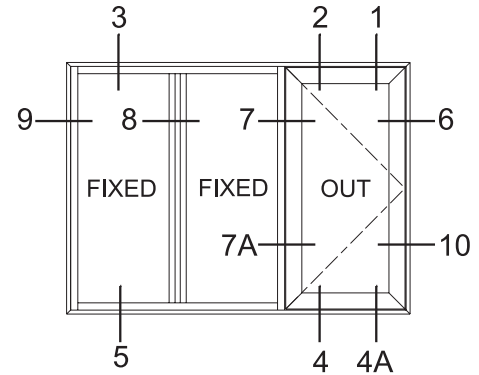
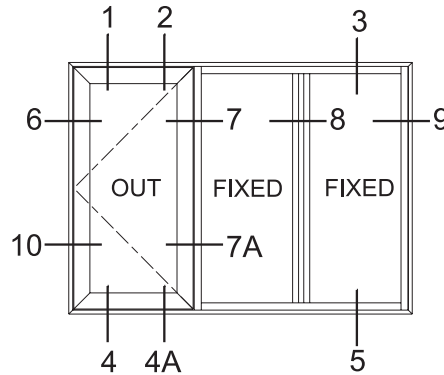
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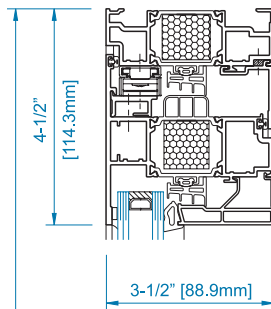
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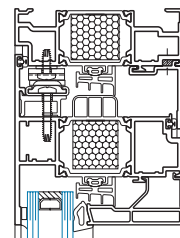
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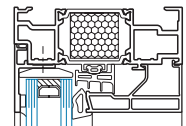
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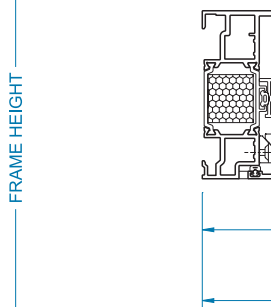
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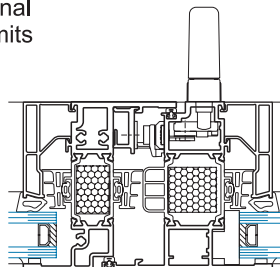
SECTION 2
w/ Friction Adjuster
Butt Hinge Optional
per Vent Size Limits



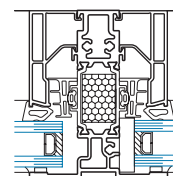
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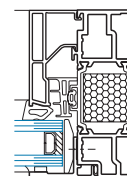
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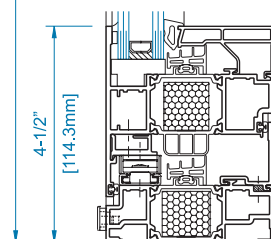
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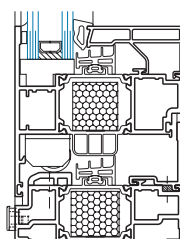
SECTION 8



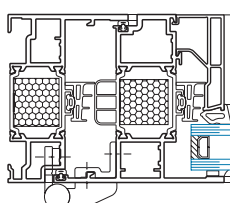
SECTION 9



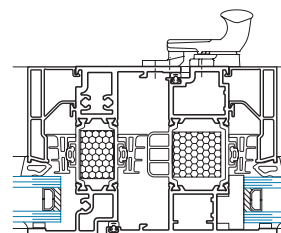
SECTION 4



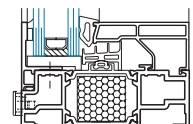
SECTION 4A
w/ Guide Roller
Butt Hinge Optional
per Vent Size Limits



SECTION 10
Butt Hinge Optional
per Vent Size Limits

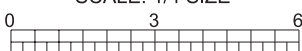


SECTION 7A
w/ Optional Cam Lock

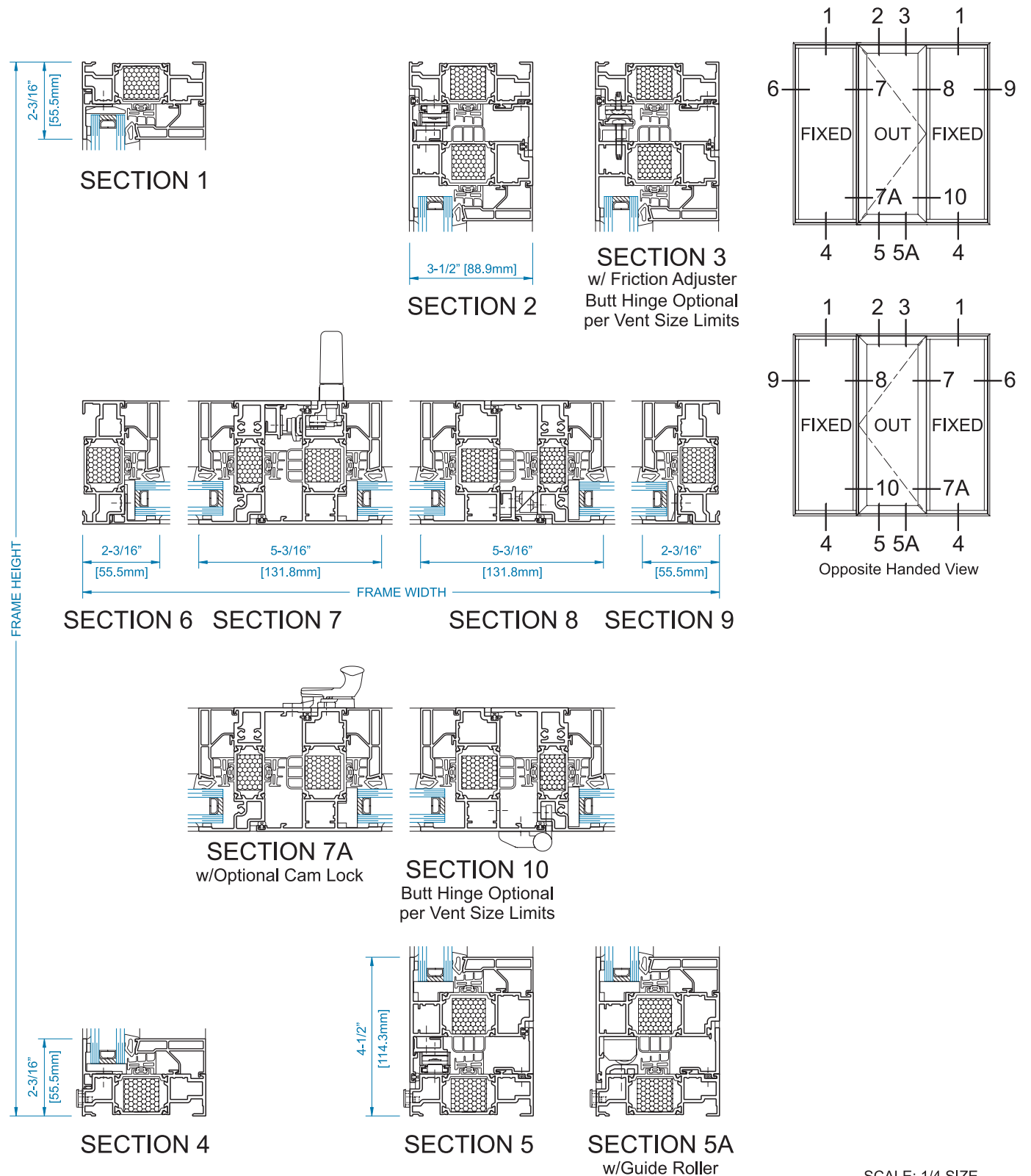


SECTION 5

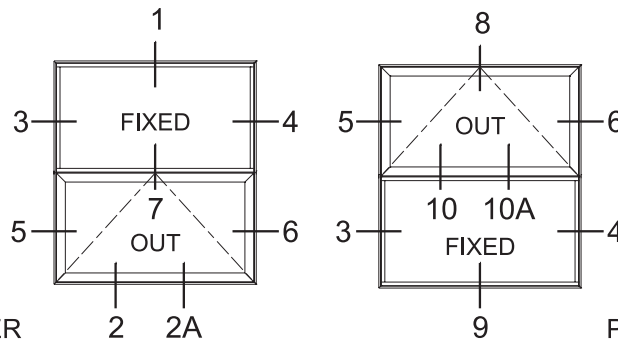
SCALE: 1/4 SIZE



FIXED BY CASEMENT OUT BY FIXED

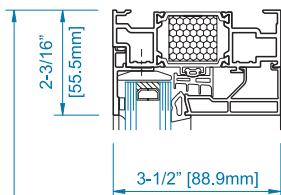


FIXED OVER PROJECT OUT / PROJECT OUT OVER FIXED

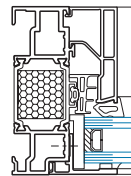


FIXED OVER
PROJECT OUT

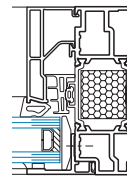
PROJECT OUT
OVER FIXED



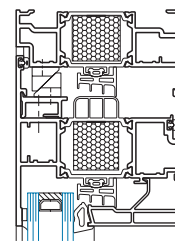
SECTION 1



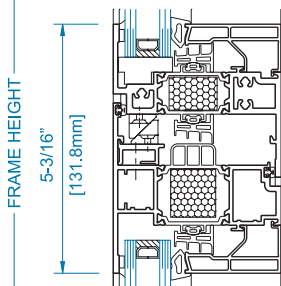
SECTION 3



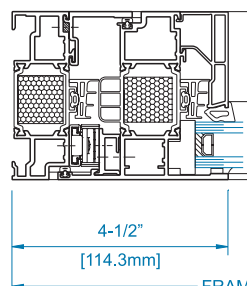
SECTION 4



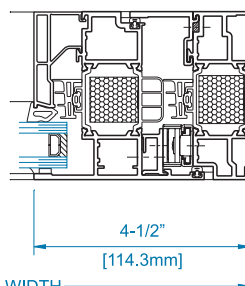
SECTION 8



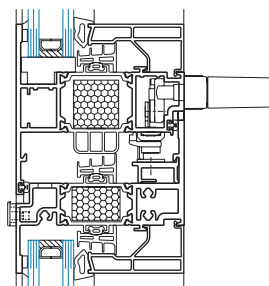
SECTION 7



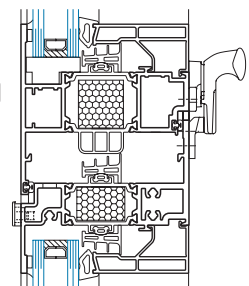
SECTION 5



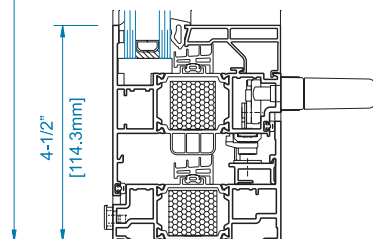
SECTION 6



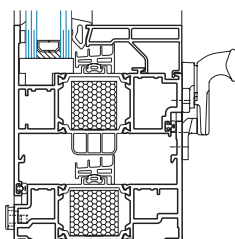
SECTION 10



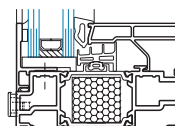
SECTION 10A
w/Optional Cam Lock



SECTION 2

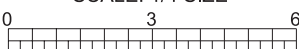


SECTION 2A
w/Optional Cam Lock



SECTION 9

SCALE: 1/4 SIZE



SECTION 1
 2-3/16" [55.5mm]
 3-1/2" [88.9mm]

SECTION 2
 4-1/2" [114.3mm]

SECTION 3
 4-1/2" [114.3mm]
 FRAME WIDTH

SECTION 4
 4-1/2" [114.3mm]
 FRAME WIDTH

SECTION 5
 5-3/16" [131.8mm]

SECTION 5A
 w/Optional Cam Lock

SECTION 6

SECTION 7

SECTION 8

SECTION 2A
 w/Optional Cam Lock

SECTION 5A
 w/Optional Cam Lock

SECTION 6

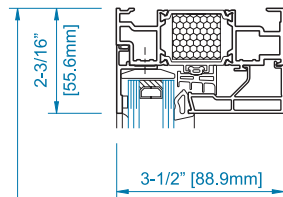
SECTION 7

SECTION 8

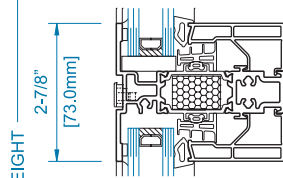
SECTION 1
 1
 3
 4
 5
 5A
 7
 8
 6
 2
 2A
 OUT
 FIXED
 OUT

SCALE: 1/4 SIZE

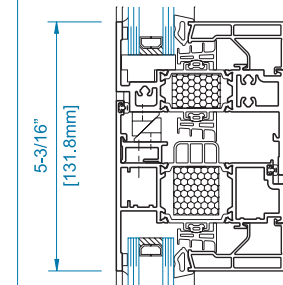
FIXED OVER FIXED OVER PROJECT OUT



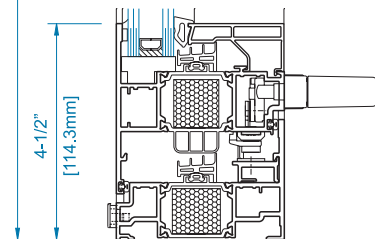
SECTION 1



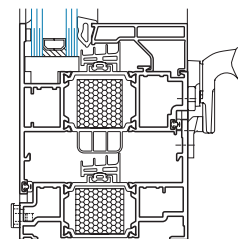
SECTION 7



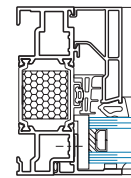
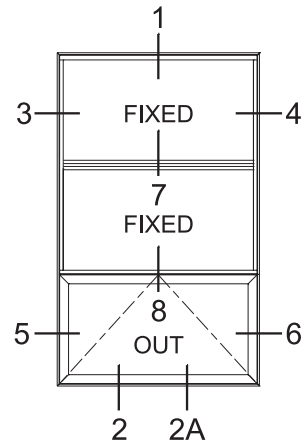
SECTION 8



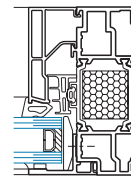
SECTION 2



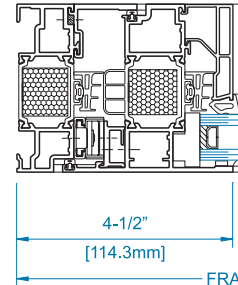
SECTION 2A
w/Optional Cam Lock



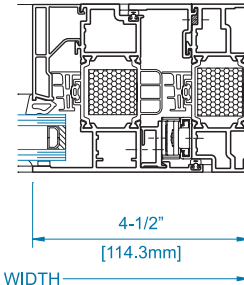
SECTION 3



SECTION 4

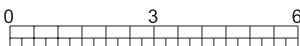


SECTION 5

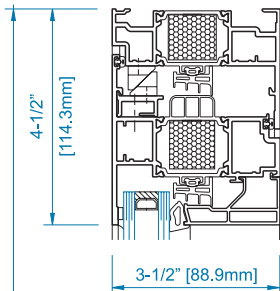


SECTION 6

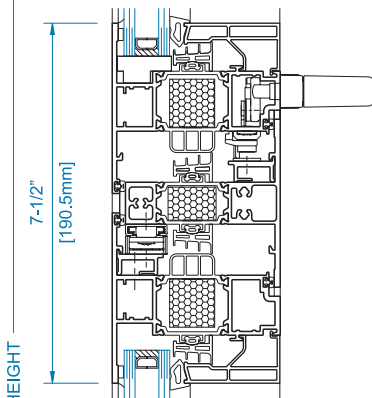
SCALE: 1/4 SIZE



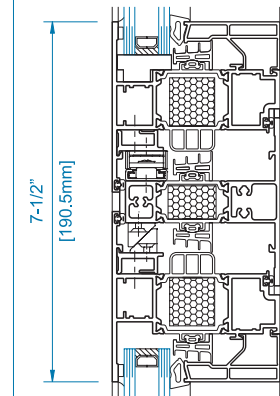
PROJECT OUT OVER CASEMENT OUTSWING OVER PROJECT OUT



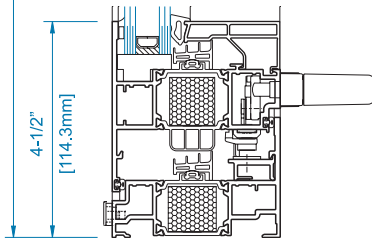
SECTION 1



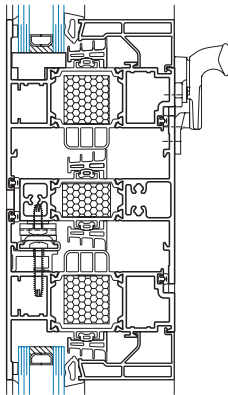
SECTION 8



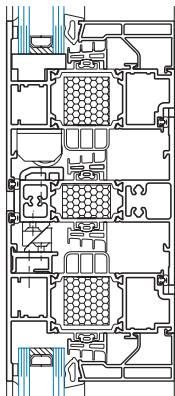
SECTION 9



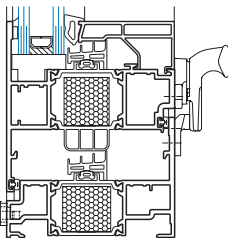
SECTION 2



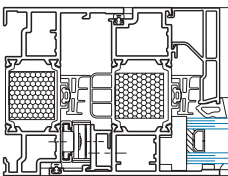
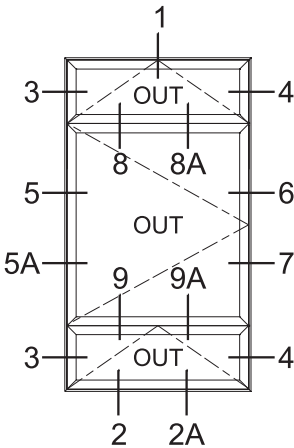
SECTION 8A
w/ Friction Adjuster
w/Optional Cam Lock
Butt Hinge Optional
per Vent Size Limits



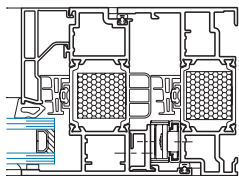
SECTION 9A
w/ Guide Roller
Butt Hinge Optional
per Vent Size Limits



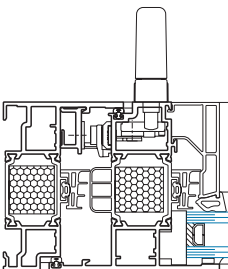
SECTION 2A
w/Optional Cam Lock



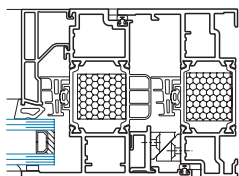
SECTION 3



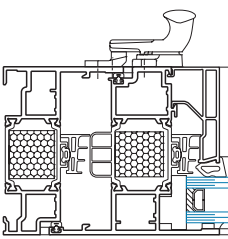
SECTION 4



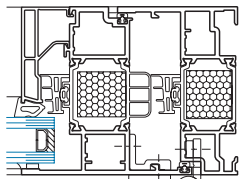
SECTION 5



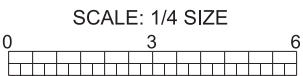
SECTION 6



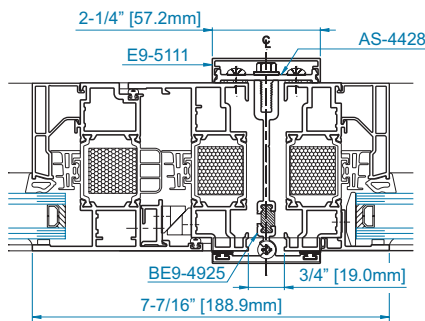
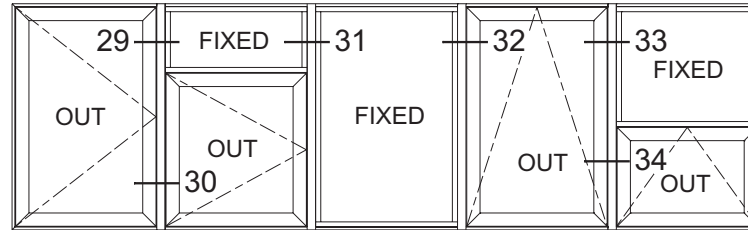
SECTION 5A
w/Optional Cam Lock



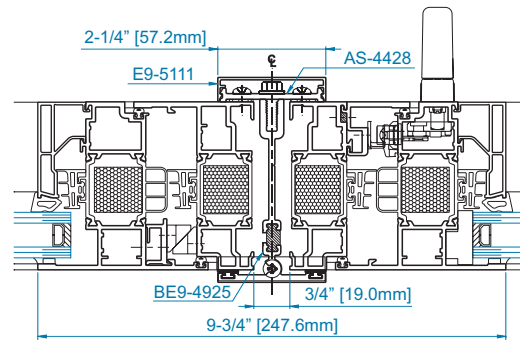
SECTION 7
Butt Hinge Optional per
Vent Size Limits



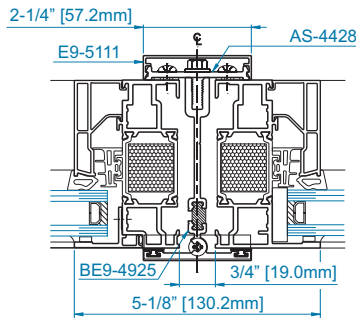
STACKING MULLION
(Not Recommended for Use with Receptor System)



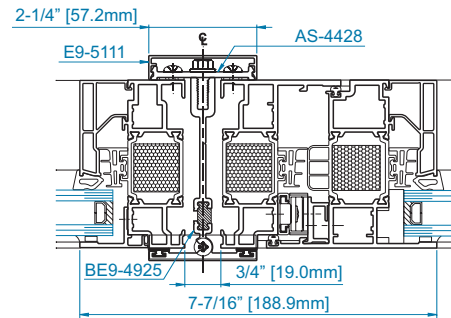
SECTION 29



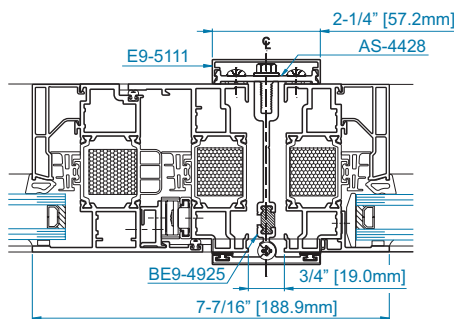
SECTION 30



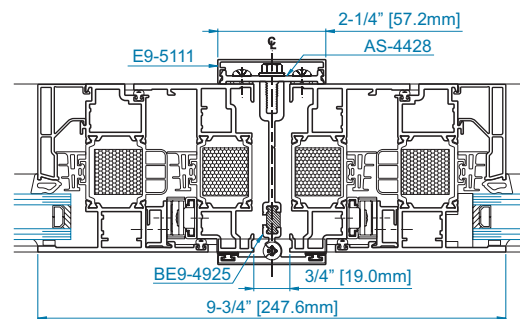
SECTION 31



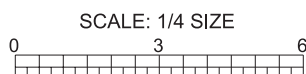
SECTION 32



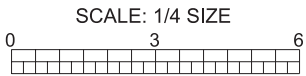
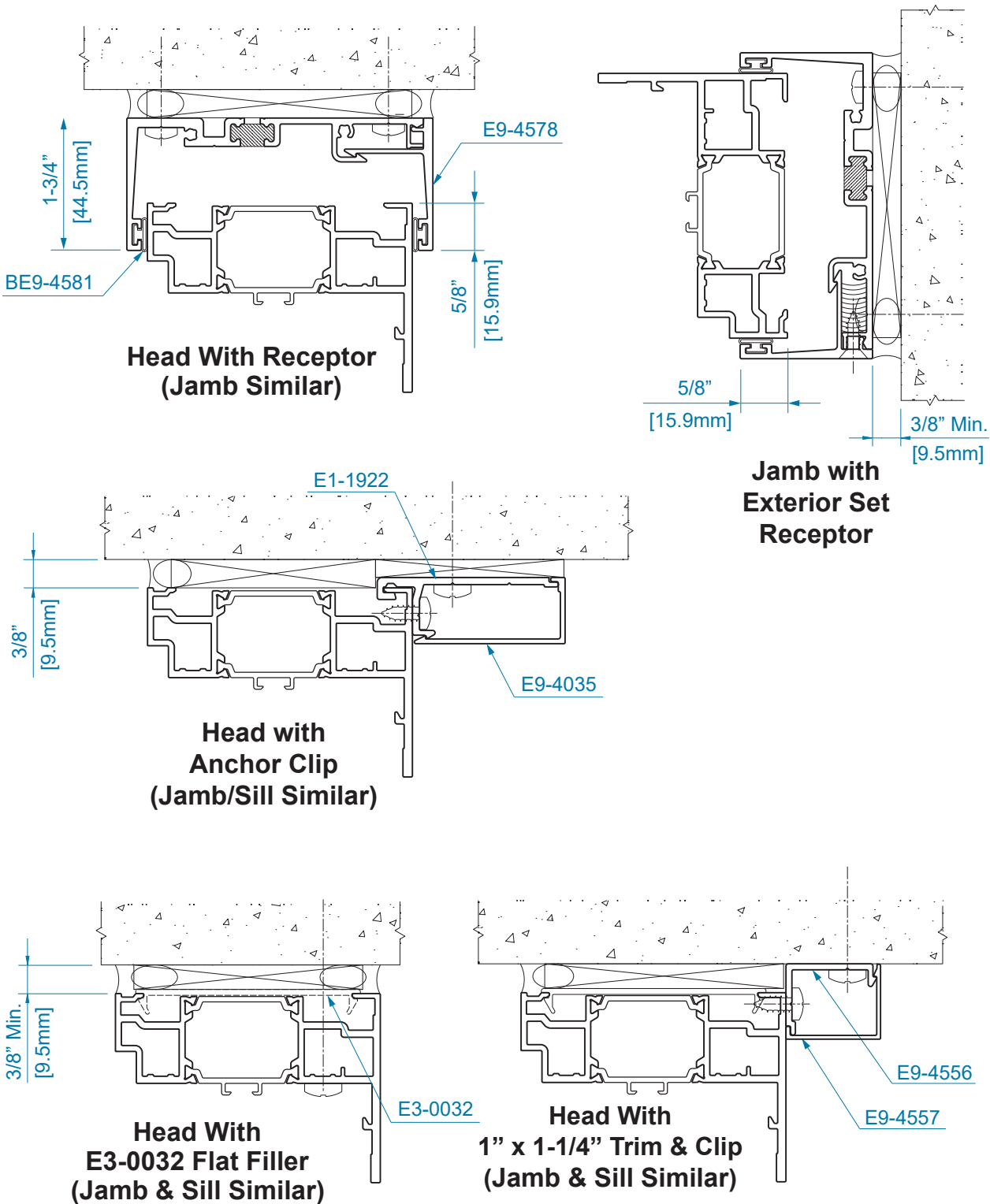
SECTION 33



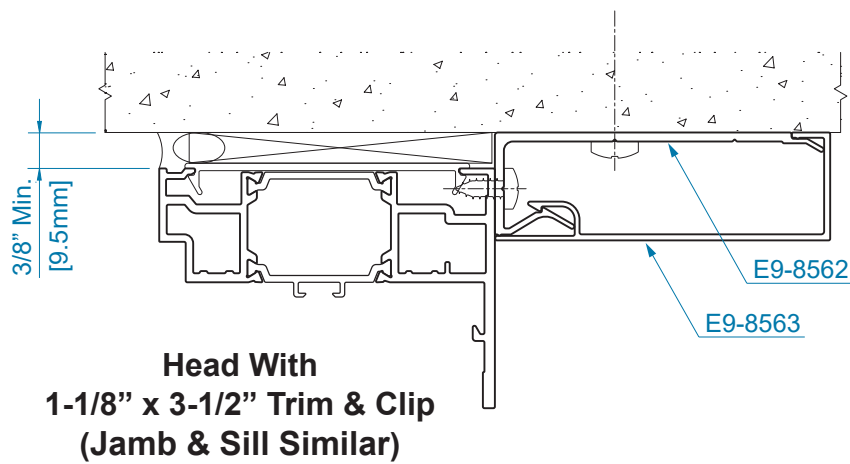
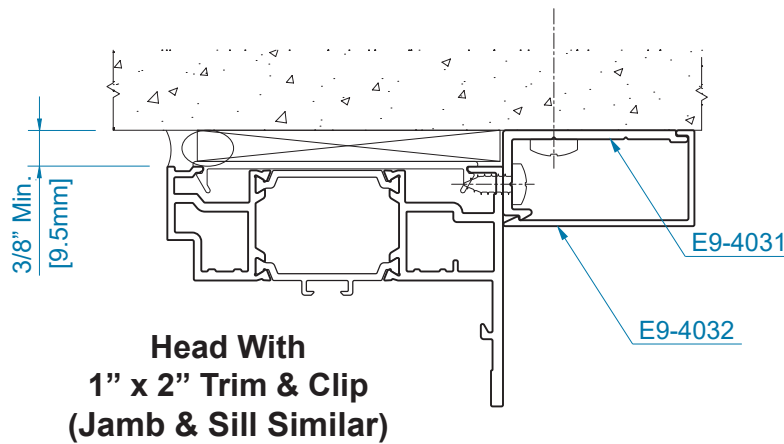
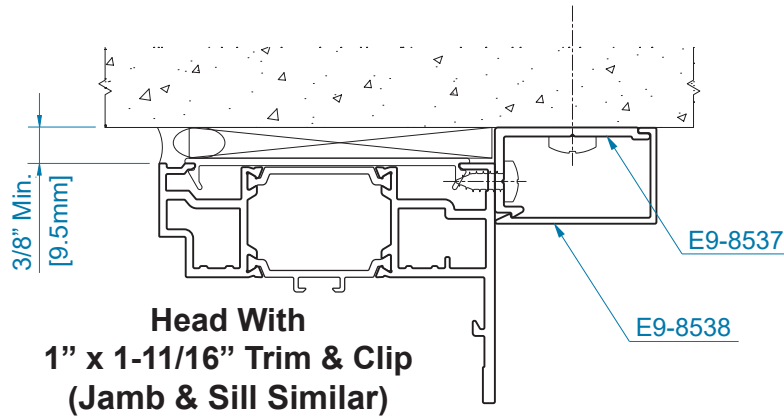
SECTION 34



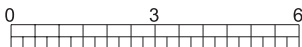
YOW 350 XT ANCHORING OPTIONS



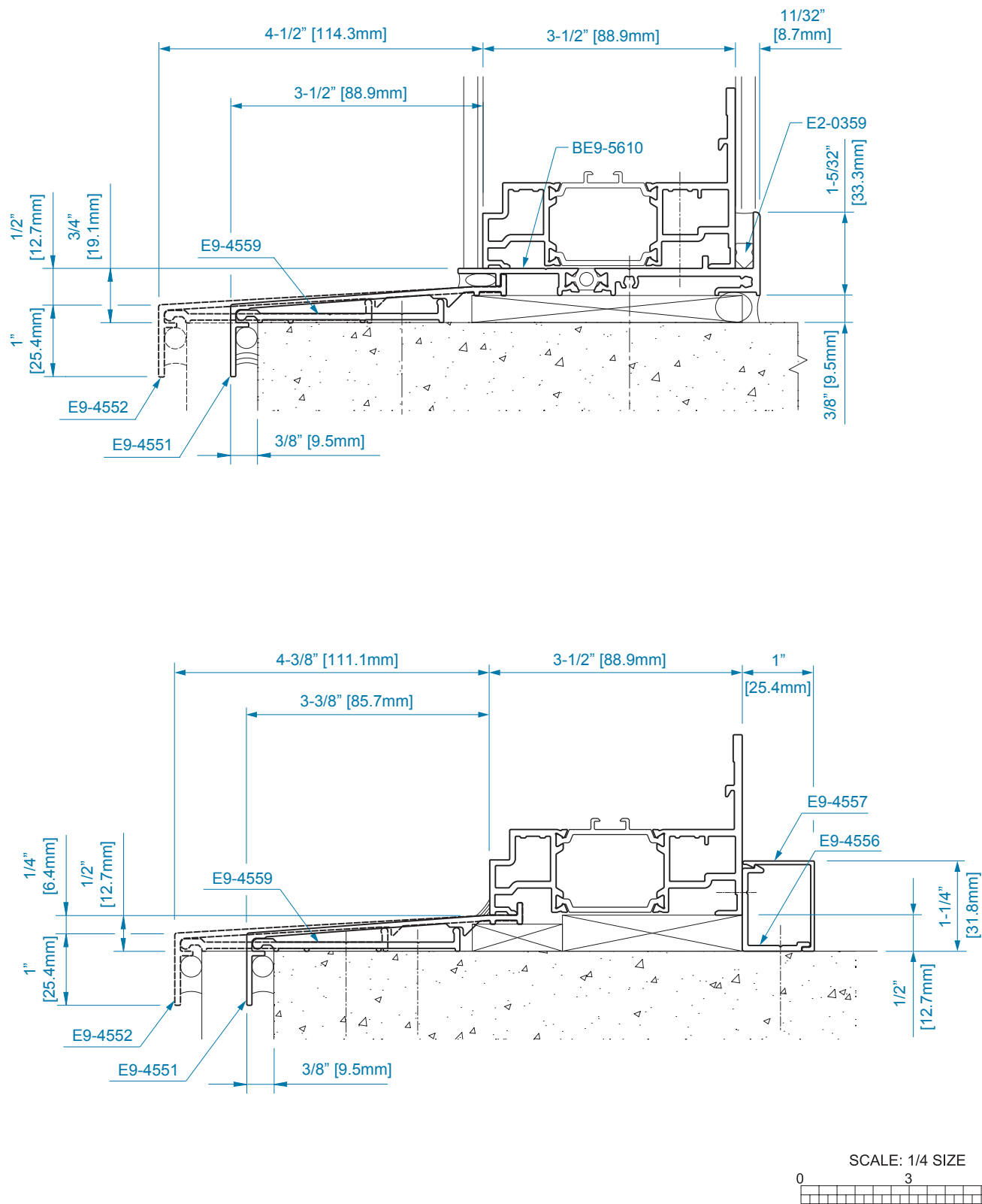
YOW 350 XT ANCHORING OPTIONS



SCALE: 1/4 SIZE



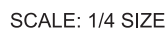
YOW 350 XT SILL OPTIONS



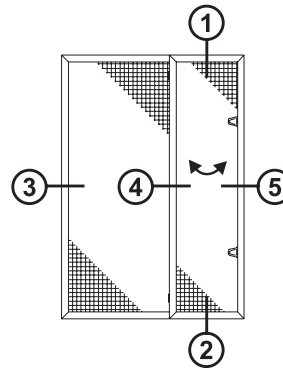
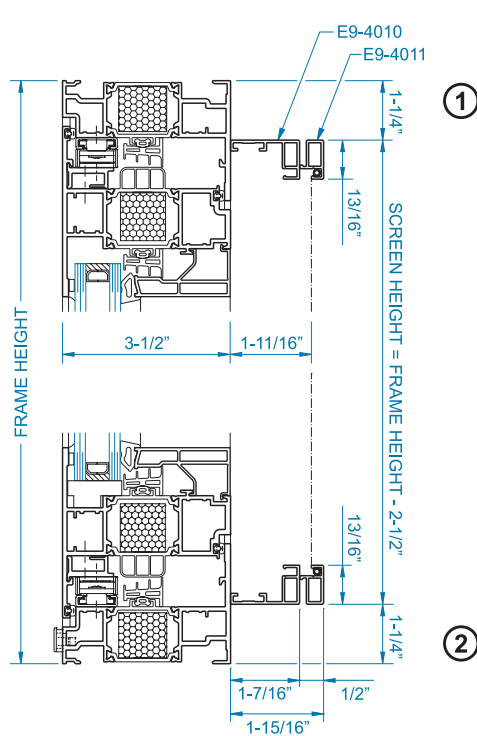
Technical drawings of two window frame cross-sections, labeled 1 and 2, showing dimensions and part numbers.

Diagram 1: Shows a cross-section of a window frame. The overall height is labeled "FRAME HEIGHT". The height of the upper sash is $1-1/4"$. The height of the lower sash is $13/16"$. The total height of the frame is labeled "SCREEN HEIGHT = FRAME HEIGHT - $2-1/2"$ ". The width of the frame is $3-1/2"$. The width of the lower sash is $2-1/8"$. The part number "E9-4015" is indicated for the upper sash and "E9-4011" for the lower sash.

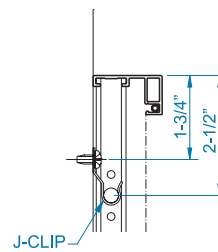
Diagram 2: Shows a cross-section of a window frame. The overall height is labeled "FRAME HEIGHT". The height of the upper sash is $1-1/4"$. The height of the lower sash is $13/16"$. The total height of the frame is labeled "SCREEN HEIGHT = FRAME HEIGHT - $2-1/2"$ ". The width of the frame is $1-7/8"$. The width of the lower sash is $1/2"$. The width of the lower sash is also labeled $2-3/8"$.



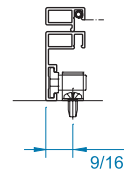
SCREEN FOR CASEMENT OUTSWING
with CAM HANDLE
(INSTALLED ON INTERIOR)



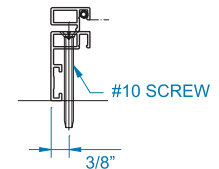
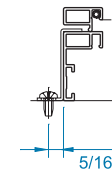
SCREEN ATTACHMENT OPTIONS



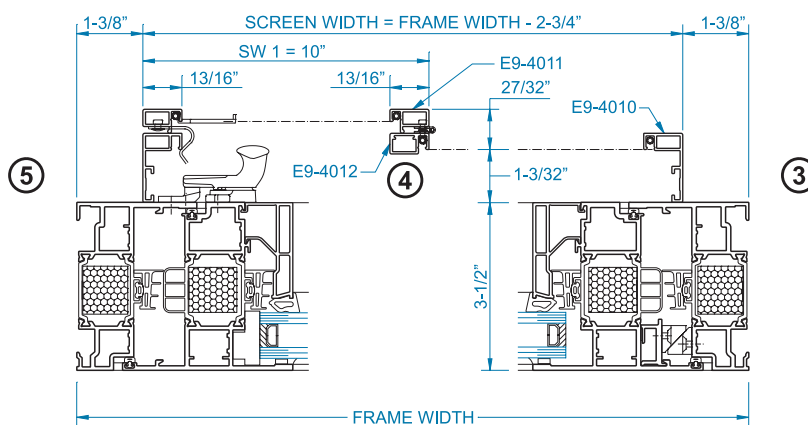
TYPE 1
(STANDARD)



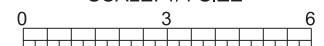
TYPE 2
(OPTIONAL)



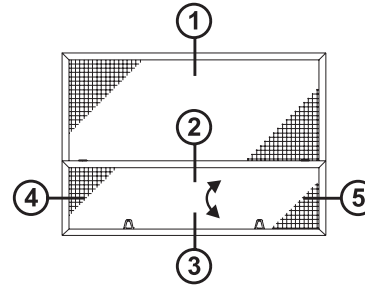
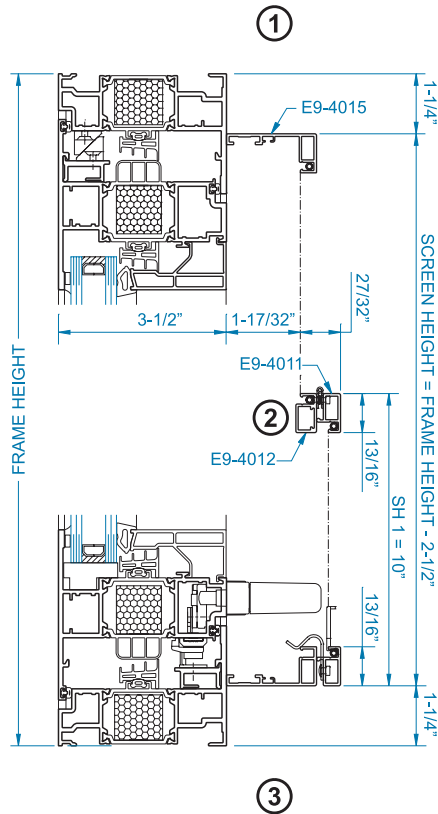
TYPE 3
(OPTIONAL)



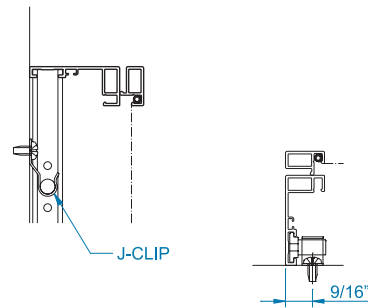
SCALE: 1/4 SIZE



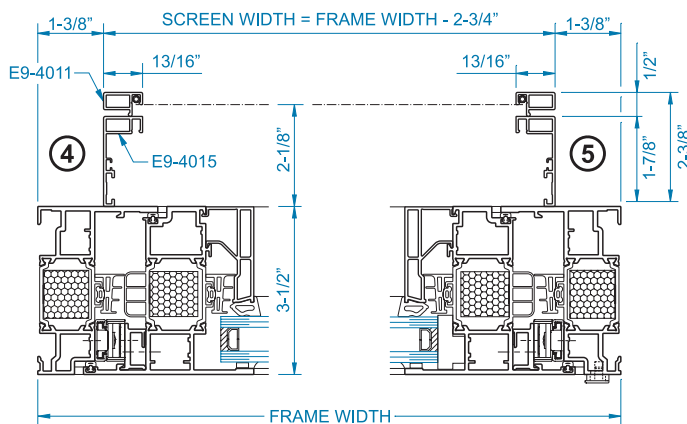
**SCREEN FOR PROJECT OUTSWING
with YKK AP MULTI LOCK
(INSTALLED ON INTERIOR)**



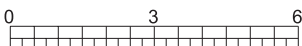
SCREEN ATTACHMENT OPTIONS



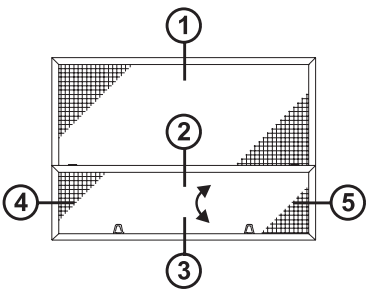
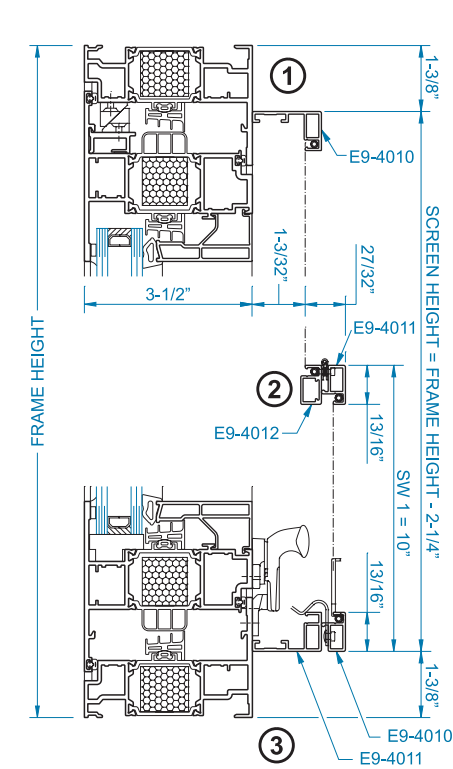
**TYPE 1
(STANDARD)**



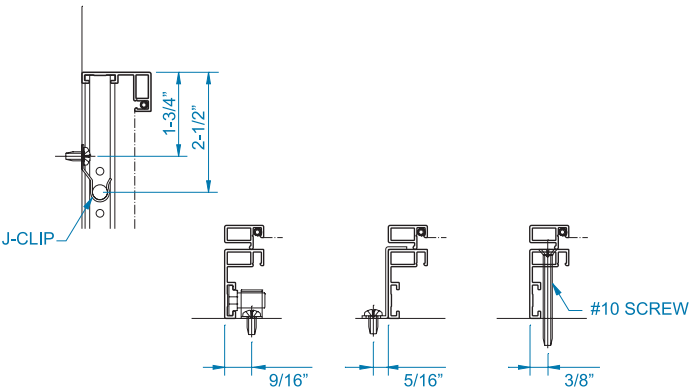
SCALE: 1/4 SIZE



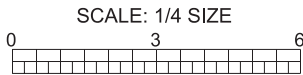
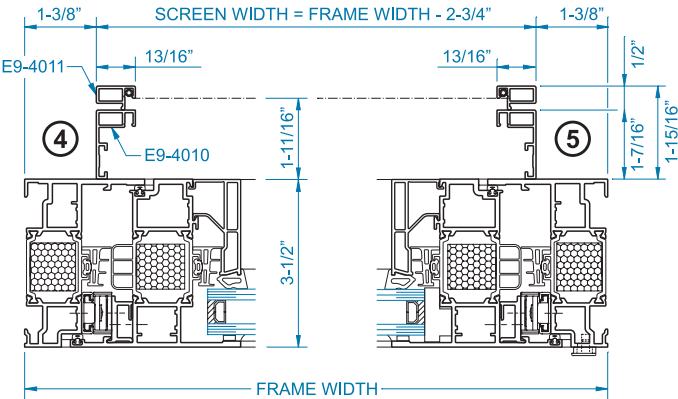
SCREEN FOR PROJECT OUTSWING
with CAM HANDLE
(INSTALLED ON INTERIOR)



SCREEN ATTACHMENT OPTIONS

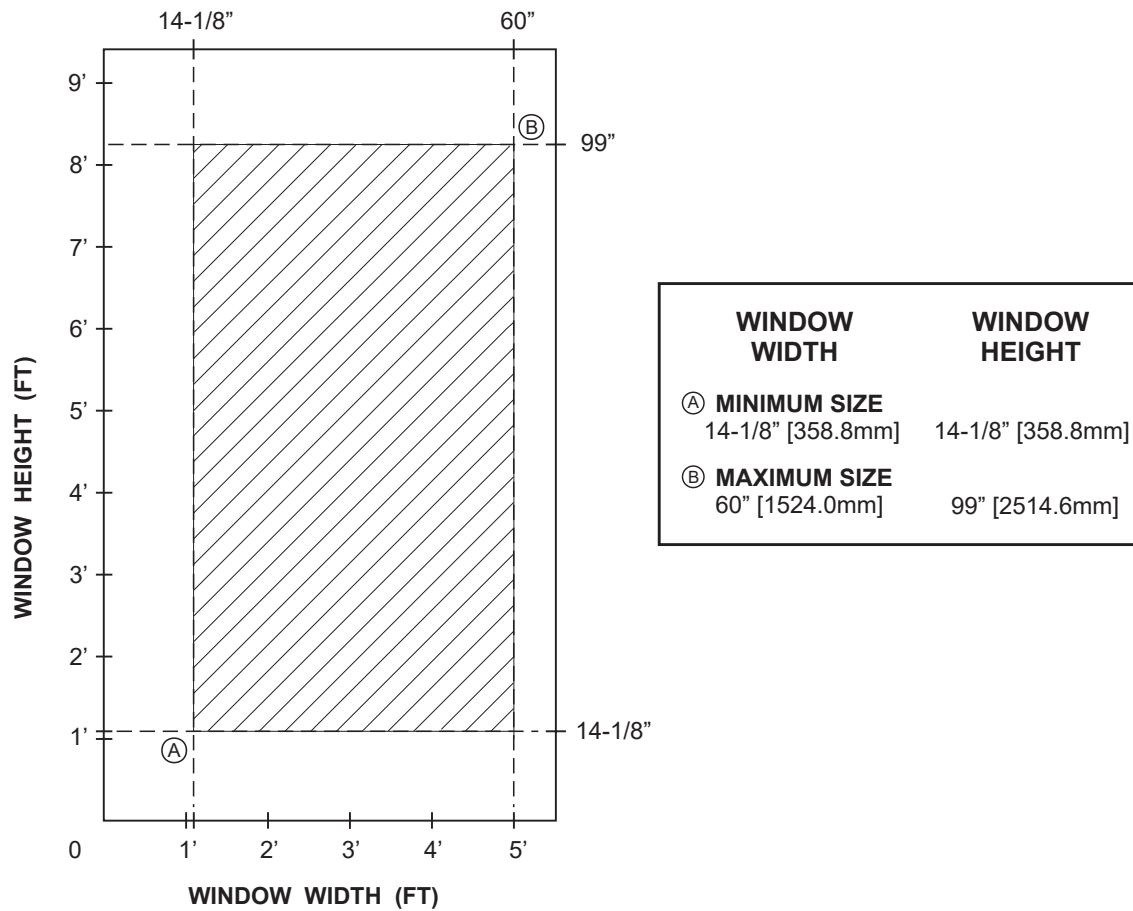


TYPE 1 (STANDARD) TYPE 2 (OPTIONAL) TYPE 3 (OPTIONAL)



FIXED

1. SIZE LIMITATIONS: (Based on AW-100 Designation)



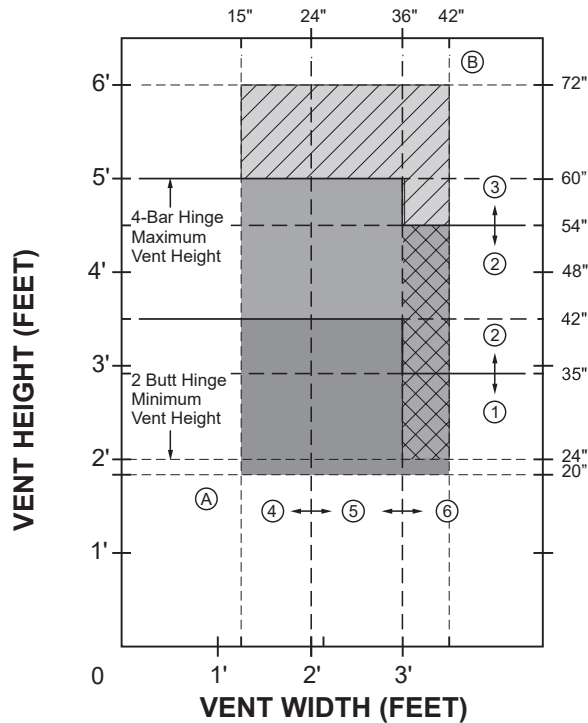
1. SIZE LIMITATIONS: (Based on AW-80 Designation)



◁ : LOCK LOCATION

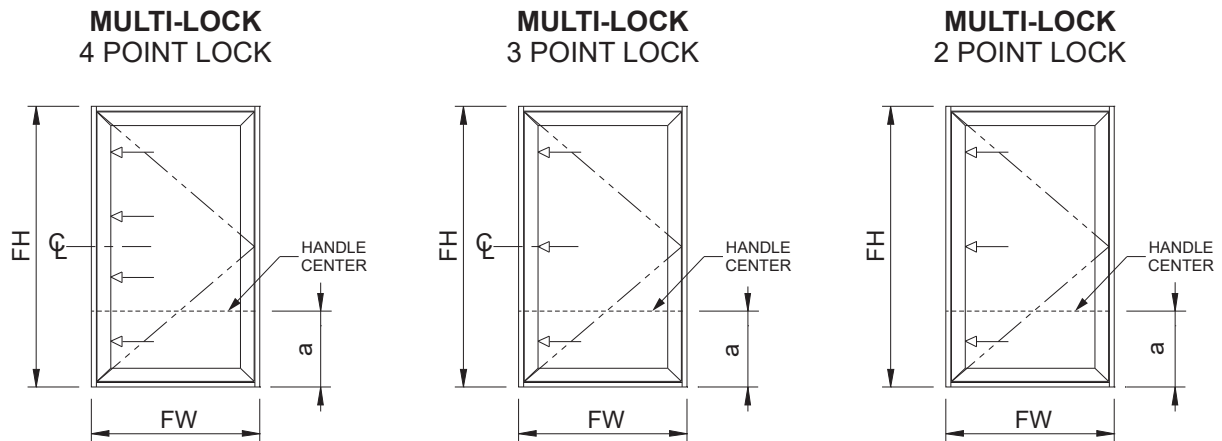
CASEMENT WITH MULTI-LOCK

1. SIZE LIMITATIONS: (Based on AW-80 Designation)



VENT WIDTH		VENT HEIGHT	
Ⓐ MINIMUM SIZE		20" [508.0mm]	
15" [381.0mm]			
Ⓑ MAXIMUM SIZE		60" [1828.8mm]	
42" [1066.8mm]			
LOCK POINTS		HINGE TYPE	
① 2 LOCK POINTS		④ 12" FOUR BAR	
② 3 LOCK POINTS		⑤ 16" FOUR BAR	
③ 4 LOCK POINTS		⑥ BUTT HINGE	
		TWO BUTT HINGES ONLY THREE BUTT HINGES ONLY	

2. HARDWARE LOCATIONS



For $FH \leq 36"$ [914.4mm], $a = FH/2$
 For $FH > 36"$ [914.4mm], $a = 18"$ [457.2mm]

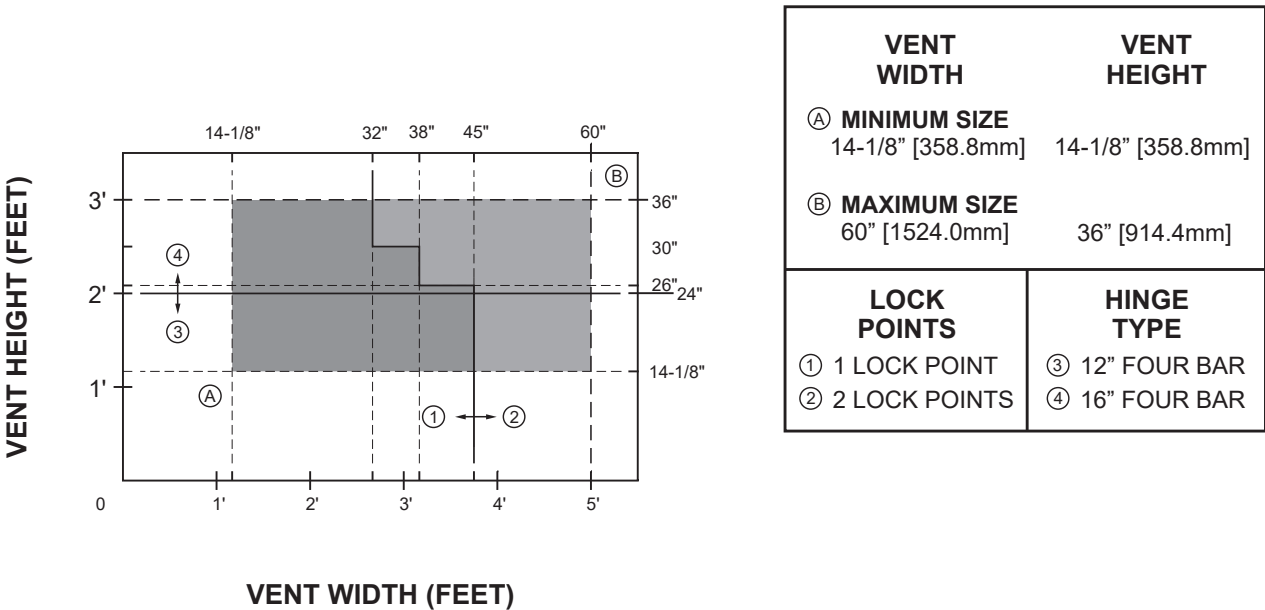
3. FOUR BAR HINGE USAGE

PART NO.	LENGTH	VENT WIDTH	MAX. WEIGHT	MAX. OPENING ANGLE
4K-14207	12"	$\leq 24"$ [609.6mm]	83lbs [83kg]	90°
4K-14208	16"	$> 24"$ [609.6mm]	117lbs [53kg]	90°

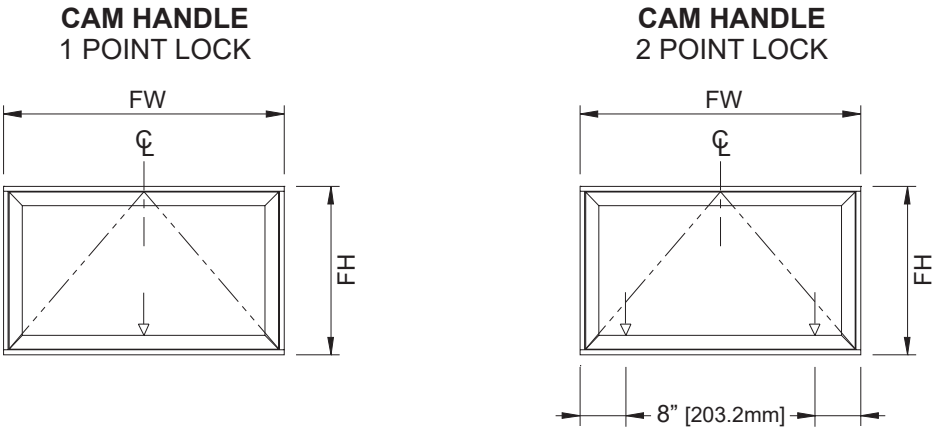
◁ : LOCK LOCATION

PROJECT

1. SIZE LIMITATIONS: (Based on AW-80 Designation)



2. HARDWARE LOCATIONS

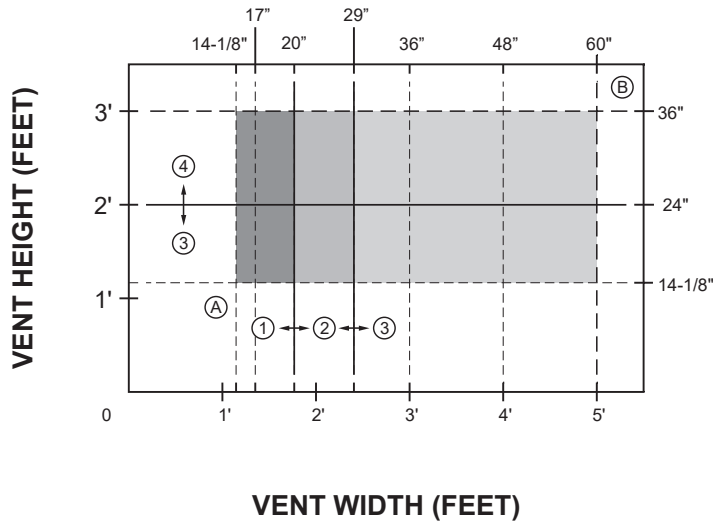


3. FOUR BAR HINGE USAGE

PART NO.	LENGTH	VENT HEIGHT	MAX. WEIGHT	MAX. OPENING ANGLE	◁ : LOCK LOCATION
4K-14207	12"	< 24" [609.6mm]	97lbs [44kg]	45° w/Limit Stop	
5K-15284	16"	> 24" [609.6mm]	145lbs [66kg]	30°, No Limit Stop Available	

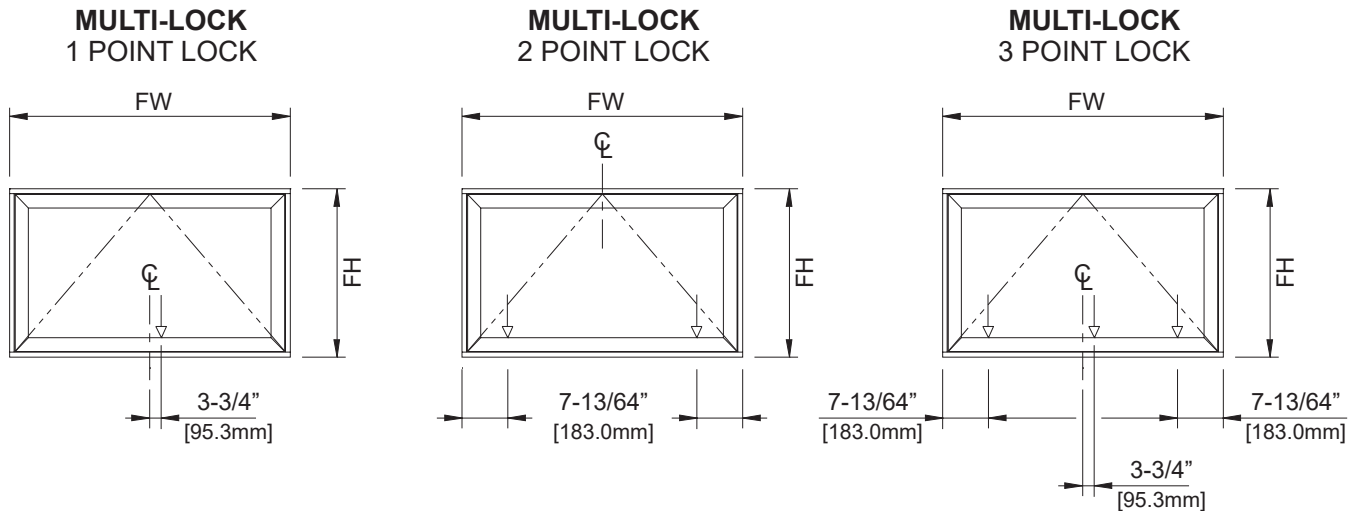
PROJECT WITH MULTI-LOCK

1. SIZE LIMITATIONS: (Based on AW-80 Designation)



VENT WIDTH		VENT HEIGHT	
Ⓐ MINIMUM SIZE		14-1/8" [358.8mm]	14-1/8" [358.8mm]
Ⓑ MAXIMUM SIZE		60" [1524.0mm]	36" [914.4mm]
LOCK POINTS		HINGE TYPE	
① 1 LOCK POINT		③ 12" FOUR BAR	
② 2 LOCK POINTS		④ 16" FOUR BAR	
③ 3 LOCK POINTS			

2. HARDWARE LOCATIONS



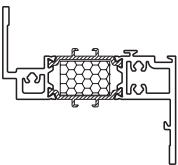
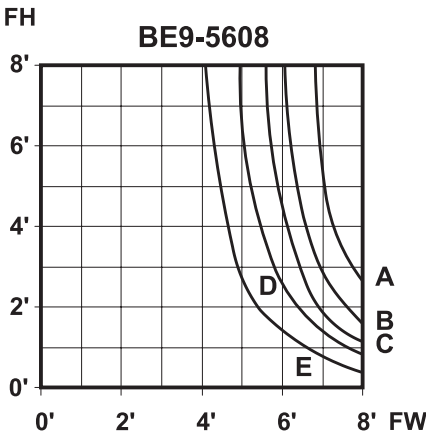
3. FOUR BAR HINGE USAGE

PART NO.	LENGTH	VENT HEIGHT	MAX. WEIGHT	MAX. OPENING ANGLE
4K-14207	12"	< 24" [609.6mm]	97lbs [44kg]	45° w/Limit Stop
5K-15284	16"	> 24" [609.6mm]	145lbs [66kg]	30°, No Limit Stop Available

◁ : LOCK LOCATION

WIND LOAD AND DEAD LOAD

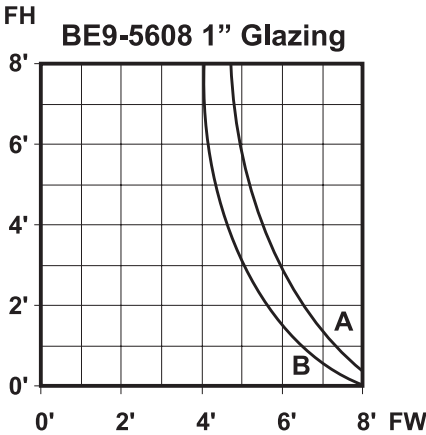
WIND LOAD



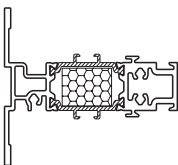
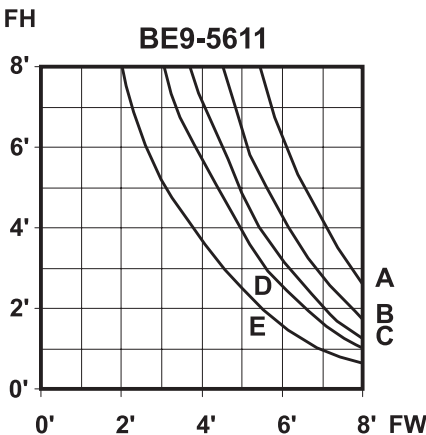
BE9-5608

A=35 PSF (1676 Pa)
B=50 PSF (2394 Pa)
C=65 PSF (3112 Pa)
D=80 PSF (3830 Pa)
E=120 PSF (4788 Pa)

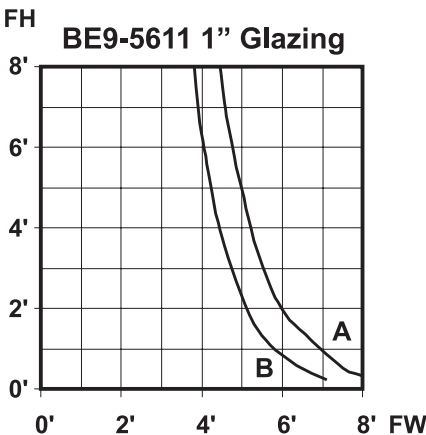
DEAD LOAD
(Based on 1" I.G. [1/4"-1/4"])



A=Setting Block at 1/8 Point Locations
B=Setting Block at 1/4 Point Locations

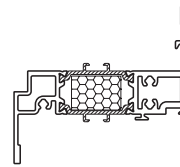
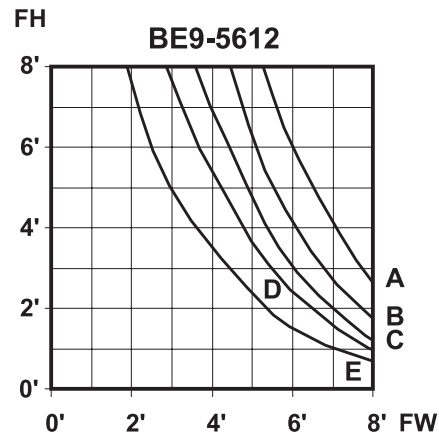


BE9-5611



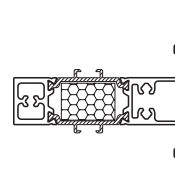
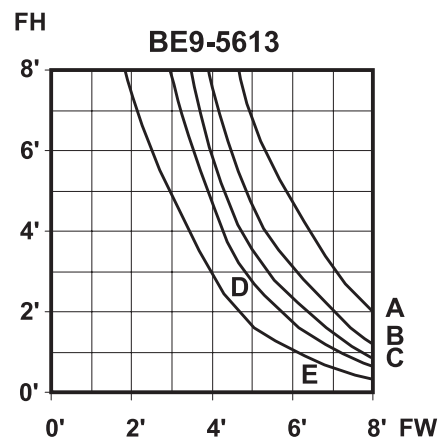
WIND LOAD

WIND LOAD



BE9-5612

A=35 PSF (1676 Pa)
 B=50 PSF (2394 Pa)
 C=65 PSF (3112 Pa)
 D=80 PSF (3830 Pa)
 E=120 PSF (4788 Pa)



BE9-5613