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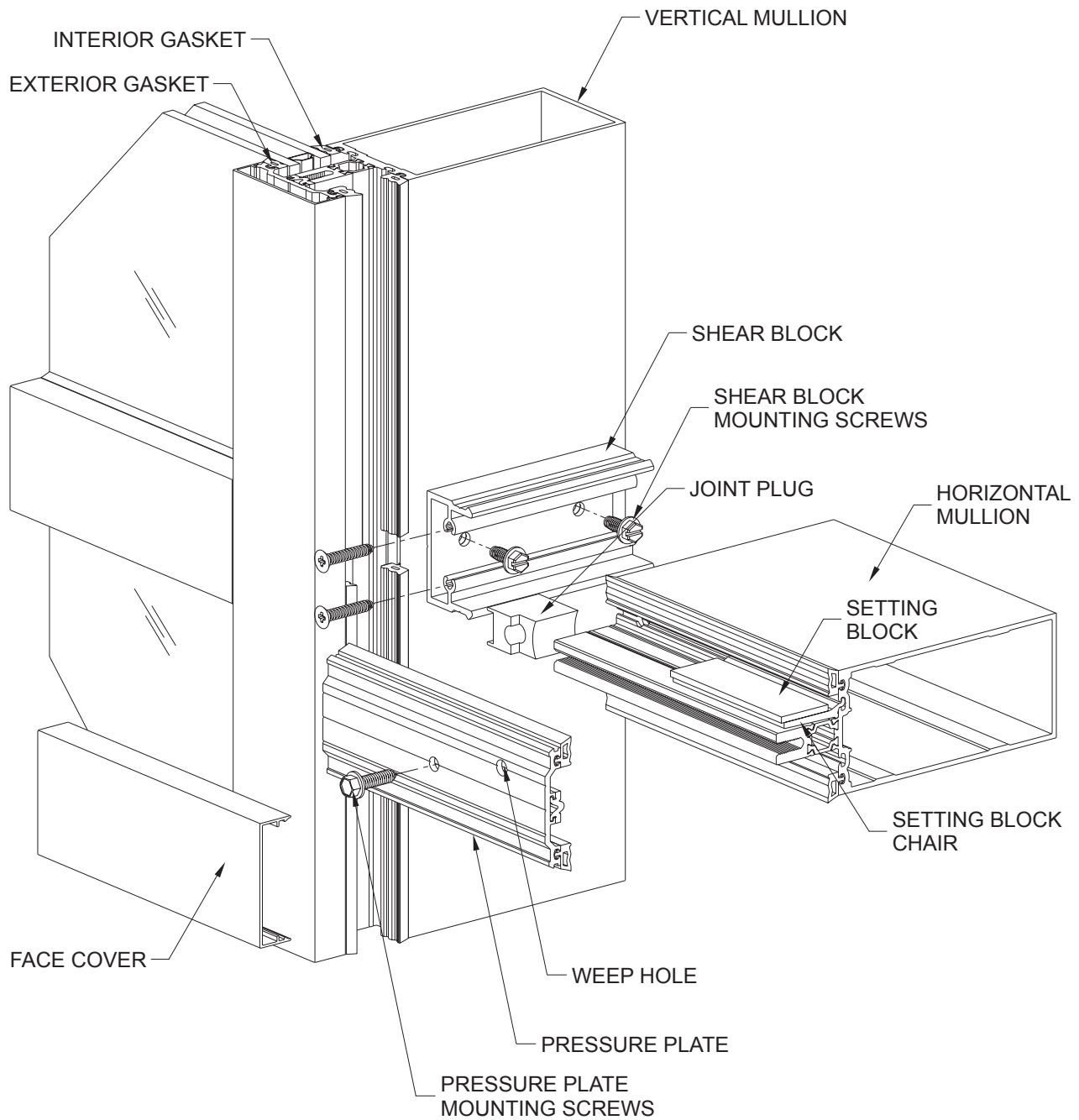
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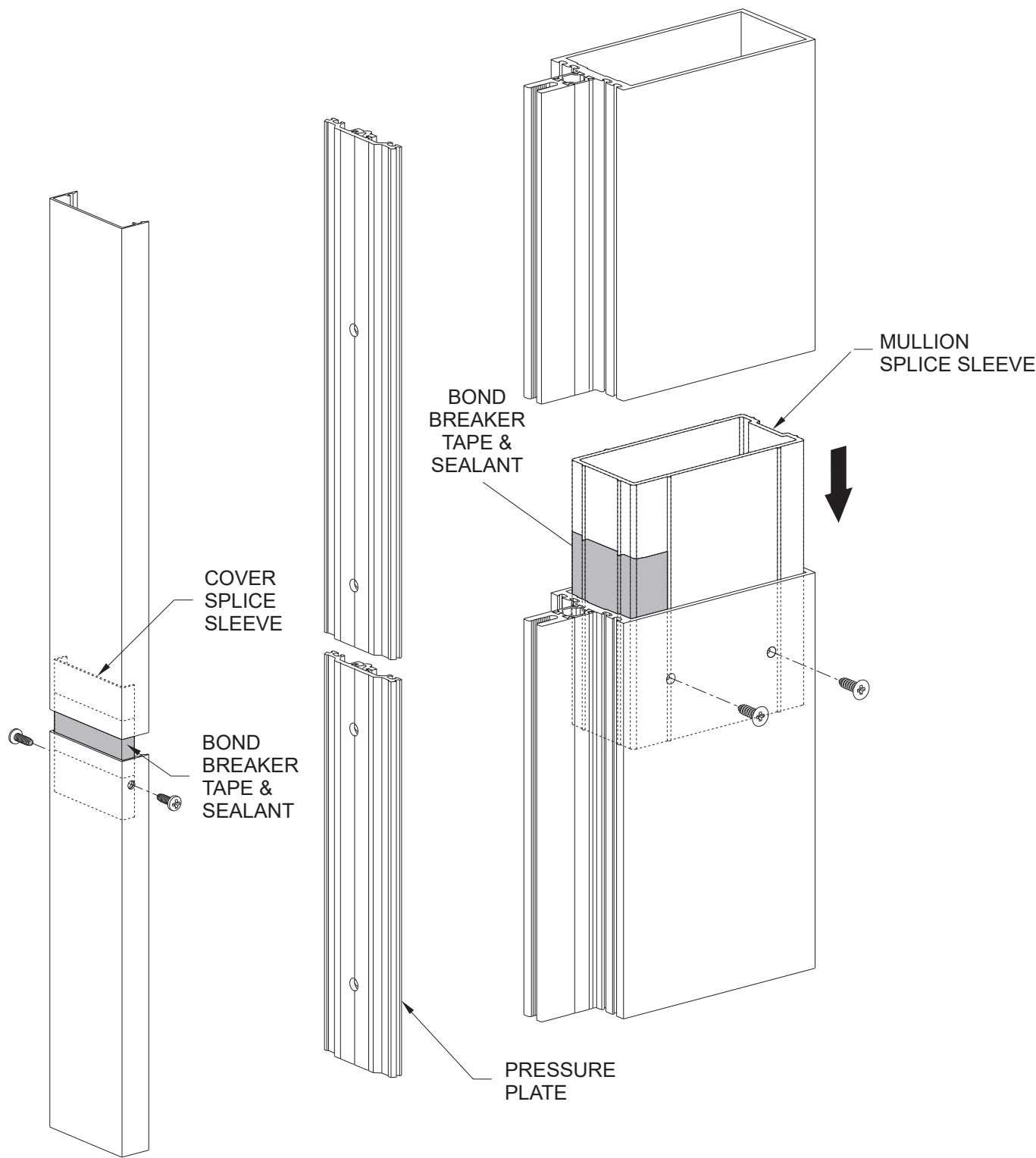
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*The latest installation instructions for this product are available at www.ykkap.com.

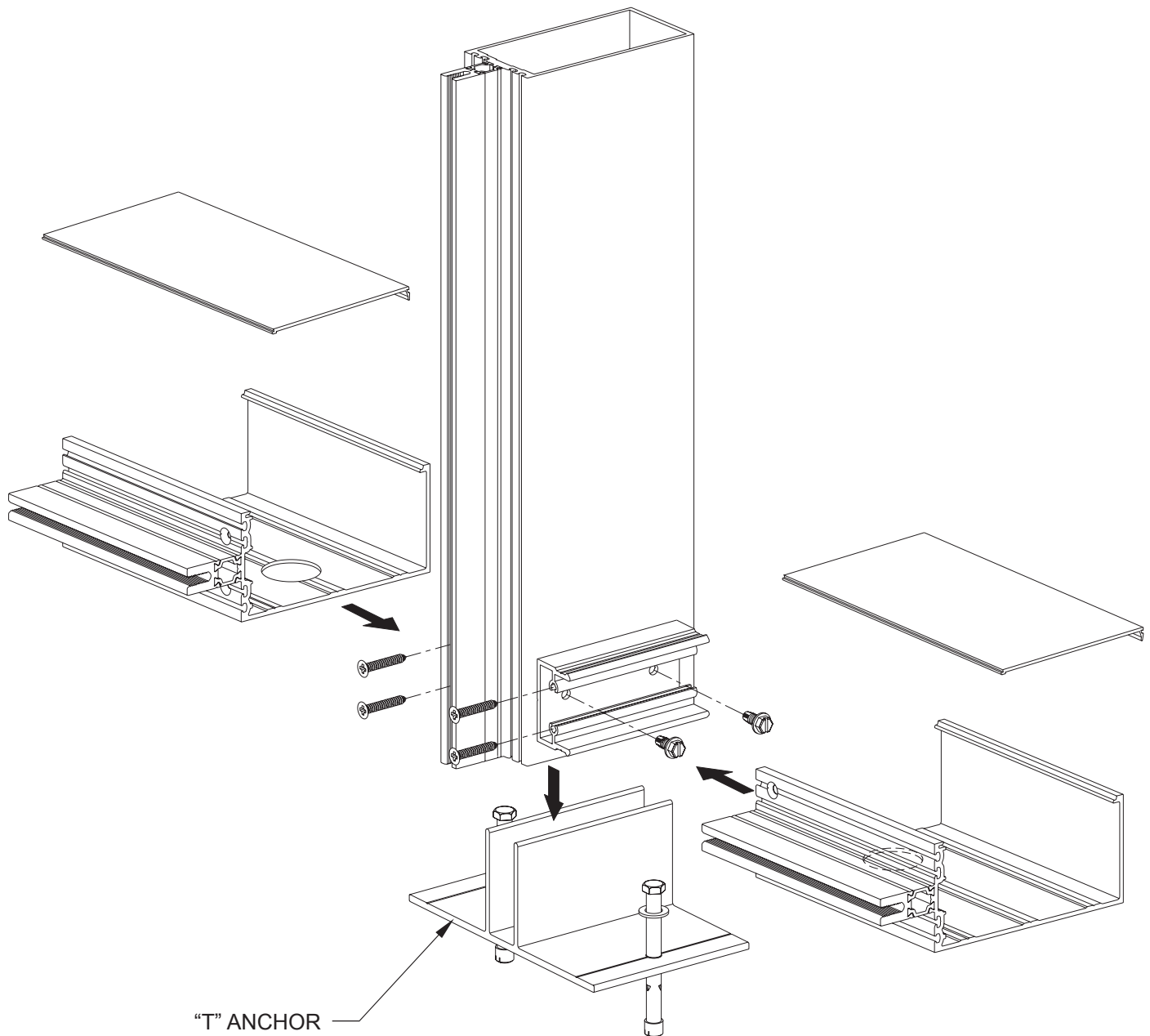
OUTSIDE GLAZED CURTAIN WALL SYSTEM



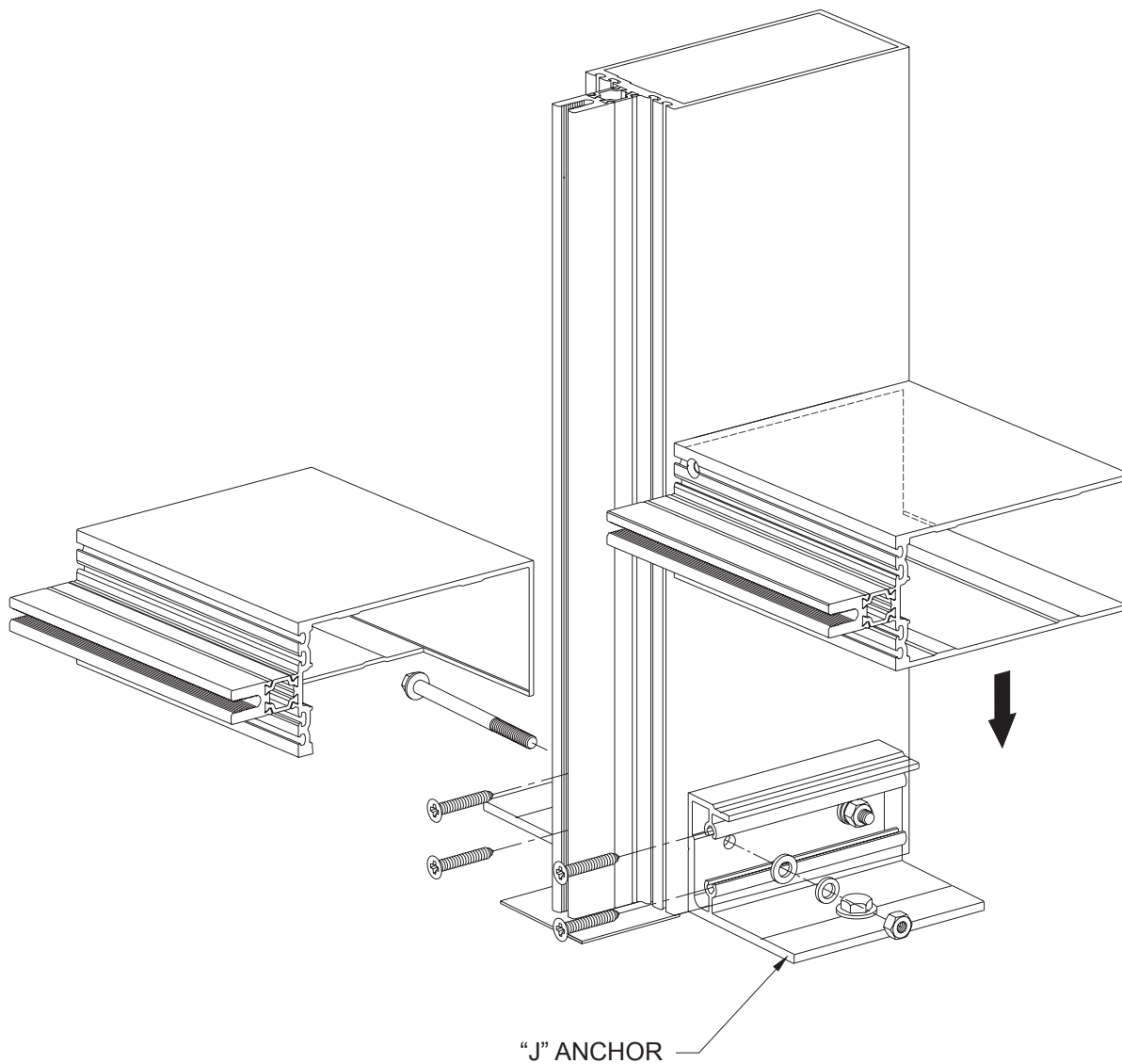
TYPICAL SPLICE CONDITION



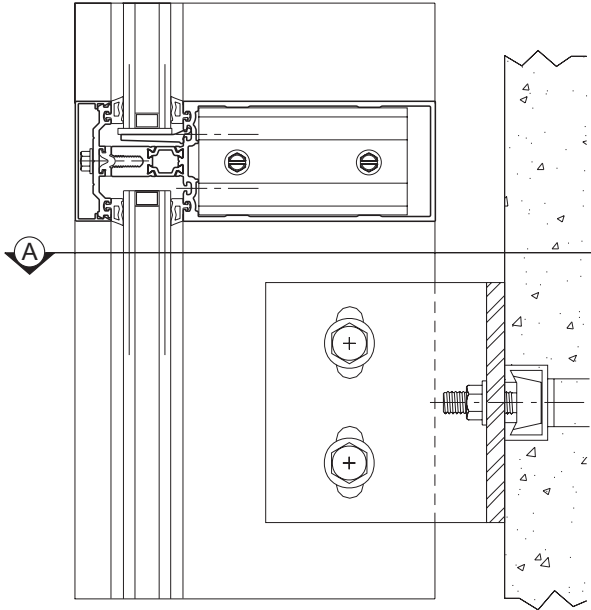
VERTICAL MULLION WITH “T” END ANCHOR



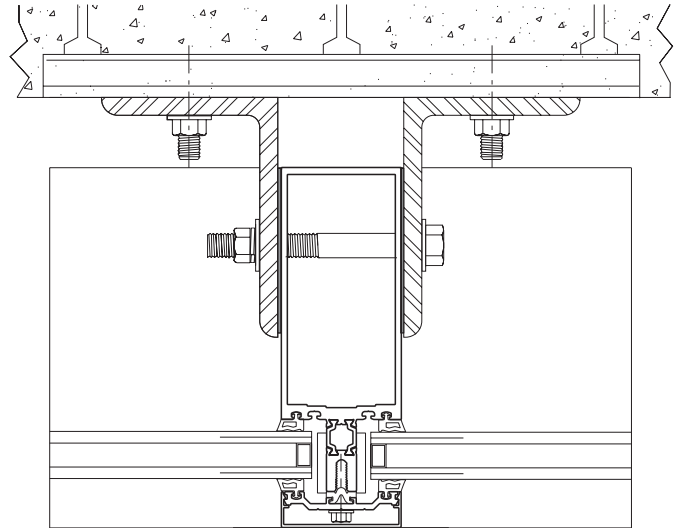
VERTICAL MULLION WITH “J” END ANCHOR



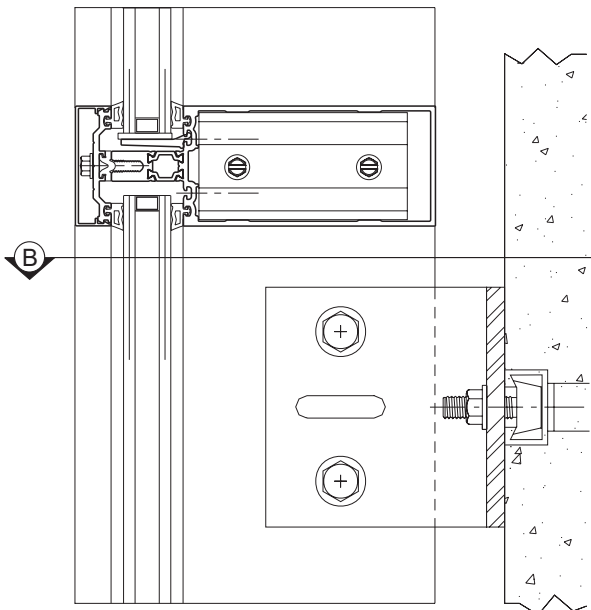
TYPICAL MID ANCHORS FOR WIND LOAD & DEAD LOAD



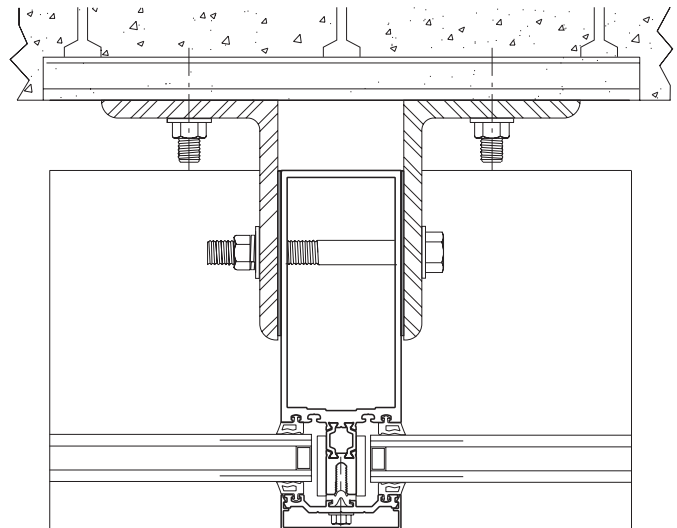
TYPICAL WIND LOAD ANCHOR



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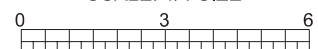


TYPICAL DEAD LOAD ANCHOR

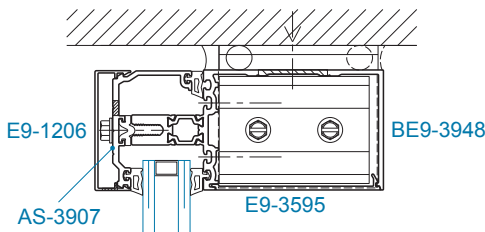


SECTION B

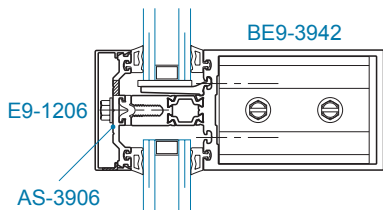
SCALE: 1/4 SIZE



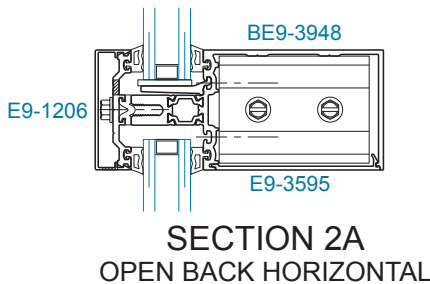
STANDARD FRAMING MEMBERS FOR 1" GLAZING



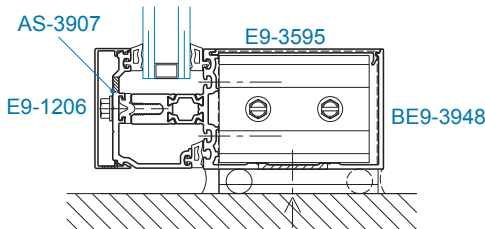
SECTION 1
OPEN BACK HEAD



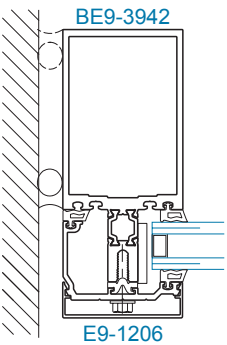
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HORIZONTAL



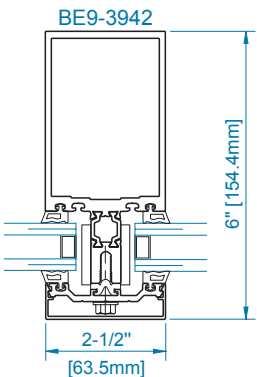
SECTION 2A
OPEN BACK HORIZONTAL



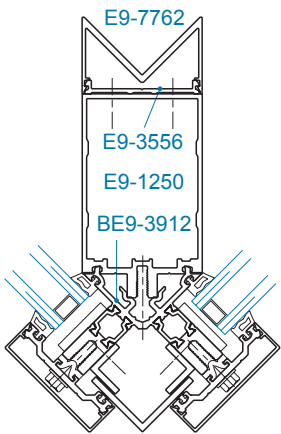
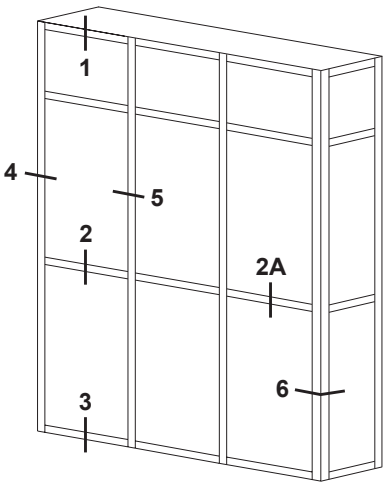
SECTION 3
OPEN BACK SILL



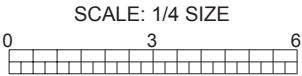
SECTION 4
JAMB



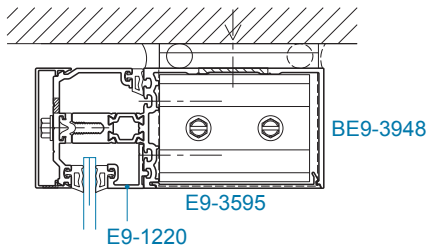
SECTION 5
VERTICAL



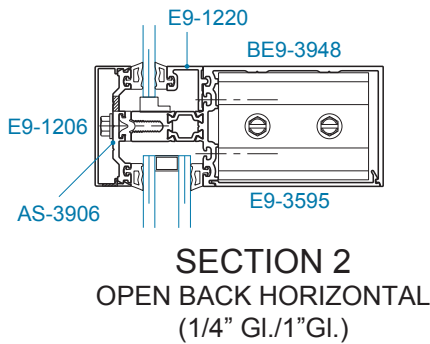
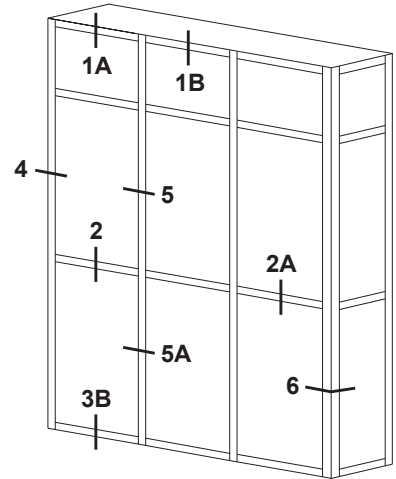
SECTION 6
90° OUTSIDE CORNER



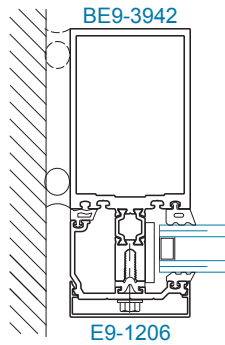
OPTIONAL FRAMING MEMBERS FOR 1" GLAZING



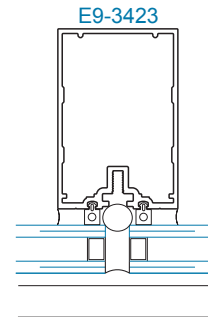
SECTION 1B
OPTIONAL HEAD
(1/4" Gl.)



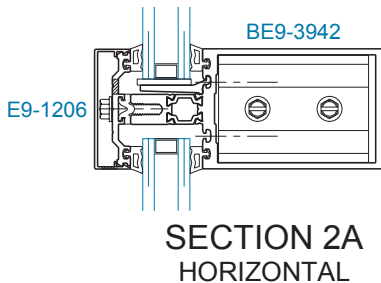
SECTION 2
OPEN BACK HORIZONTAL
(1/4" Gl./1" Gl.)



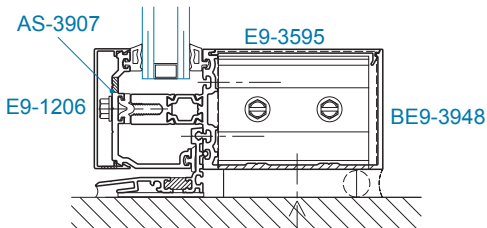
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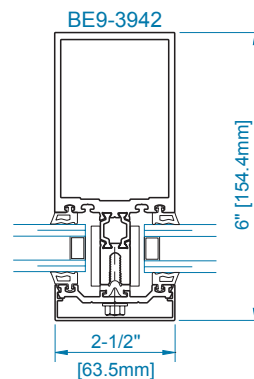
SECTION 5A
SSG VERTICAL



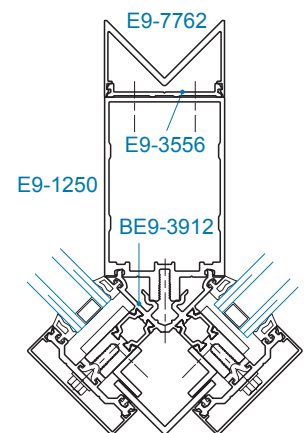
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HORIZONTAL



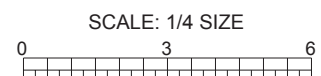
SECTION 3B
OPTIONAL SILL
w/ "J" ANCHOR AND SILL FLASHING



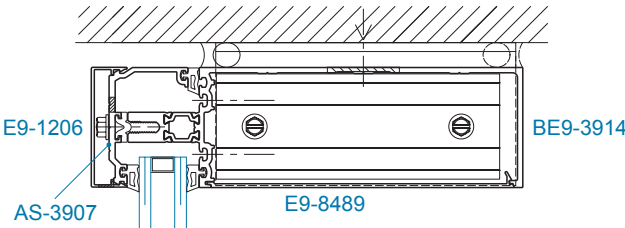
SECTION 5
VERTICAL



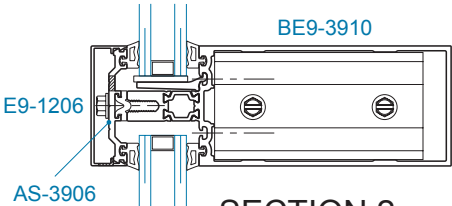
SECTION 6
90° OUTSIDE CORNER



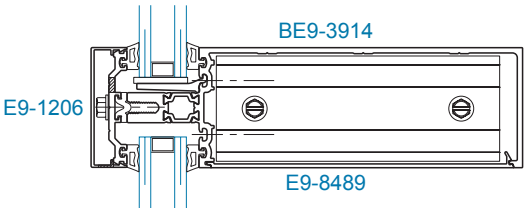
STANDARD FRAMING MEMBERS FOR 1" GLAZING



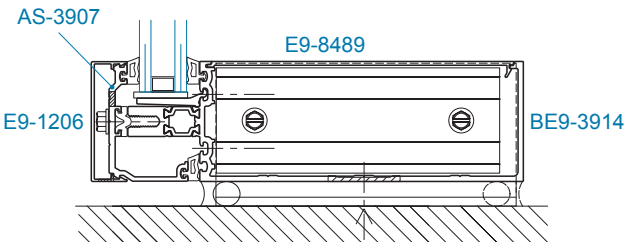
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OPEN BACK HEAD



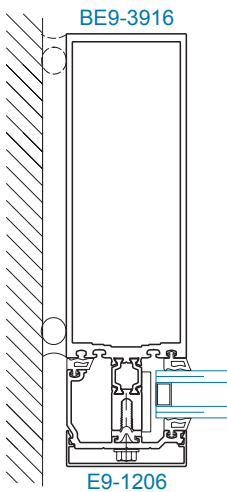
SECTION 2
HORIZONTAL



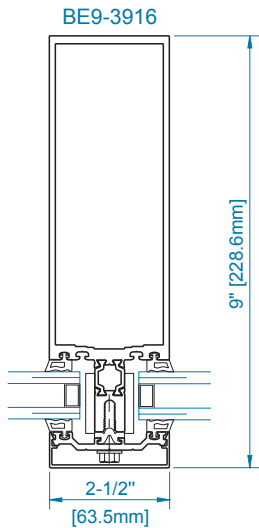
SECTION 2A
OPEN BACK HORIZONTAL



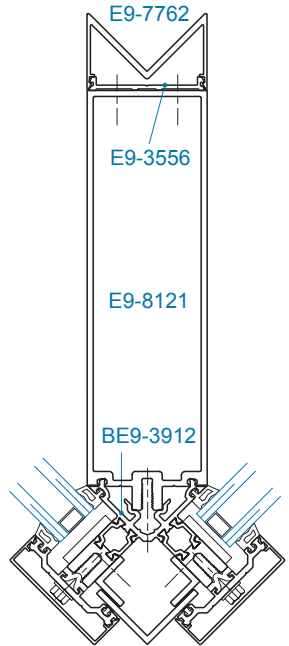
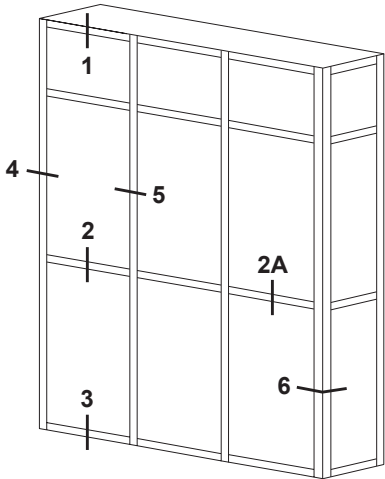
SECTION 3
OPEN BACK SILL



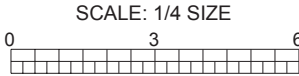
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JAMB



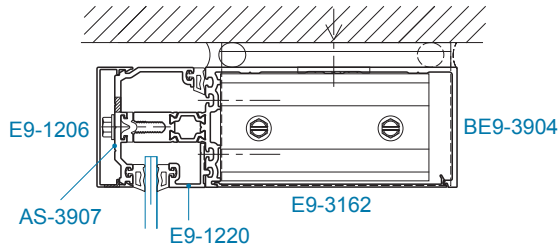
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VERTICAL



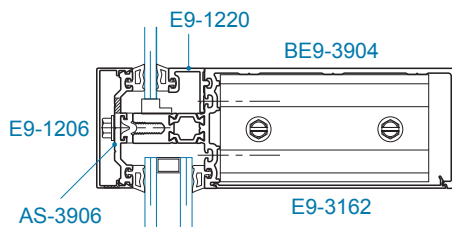
SECTION 6
90° OUTSIDE CORNER



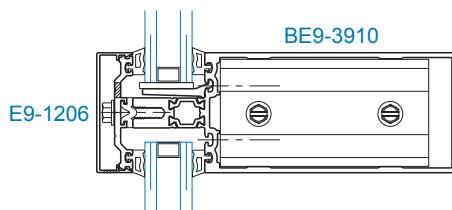
OPTIONAL FRAMING MEMBERS FOR 1" GLAZING



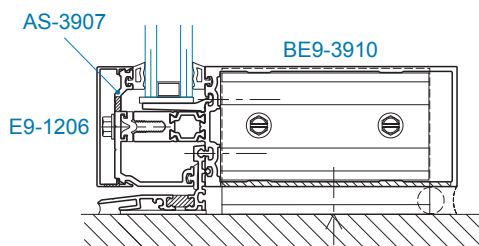
SECTION 1B
OPEN BACK HEAD
(1/4" Gl.)



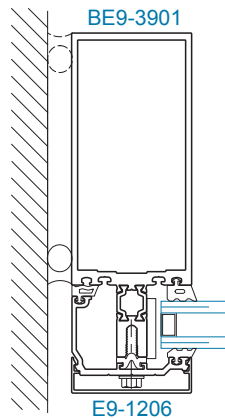
SECTION 2
OPEN BACK HORIZONTAL
(1/4" Gl./1" Gl.)



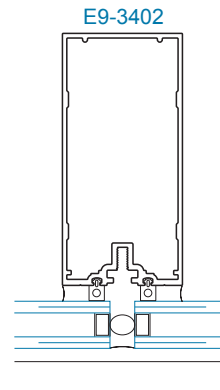
SECTION 2A
HORIZONTAL



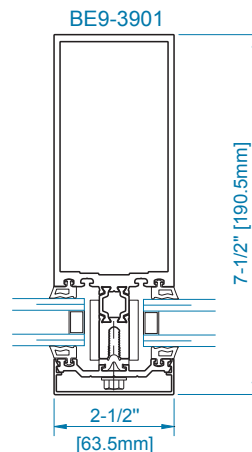
SECTION 3B
OPTIONAL SILL
w/ "J" ANCHOR AND SILL FLASHING



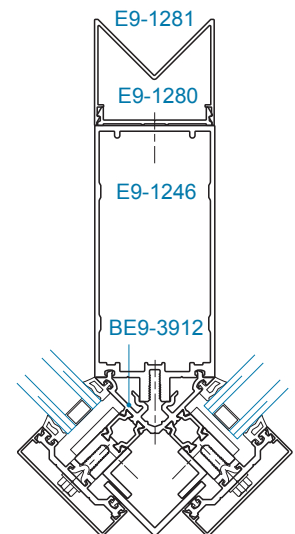
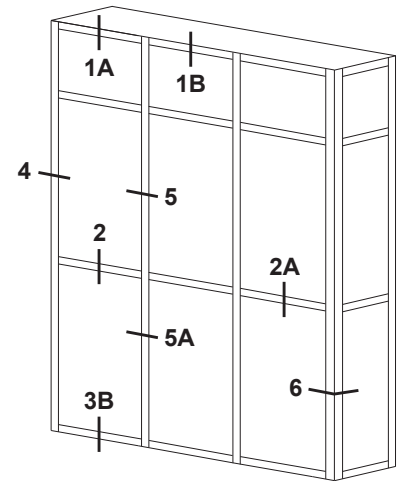
SECTION 4
JAMB



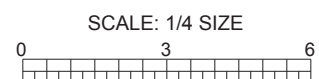
SECTION 5A
SSG VERTICAL



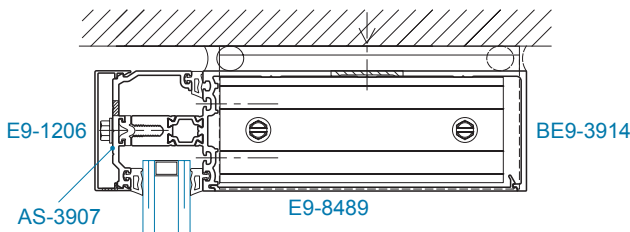
SECTION 5
VERTICAL



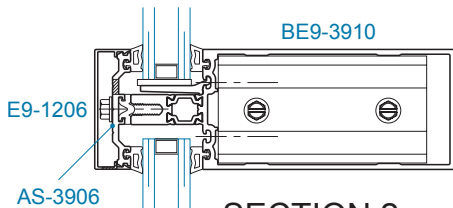
SECTION 6
90° OUTSIDE CORNER



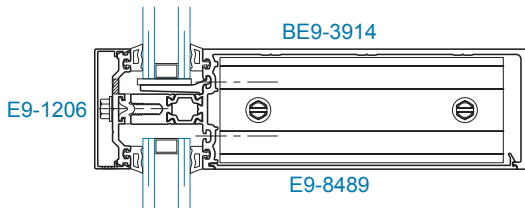
STANDARD FRAMING MEMBERS FOR 1" GLAZING



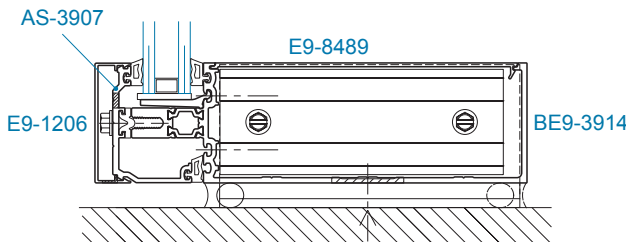
SECTION 1
OPEN BACK HEAD



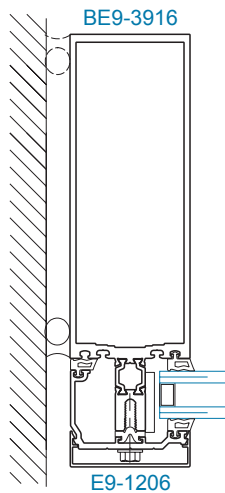
SECTION 2
HORIZONTAL



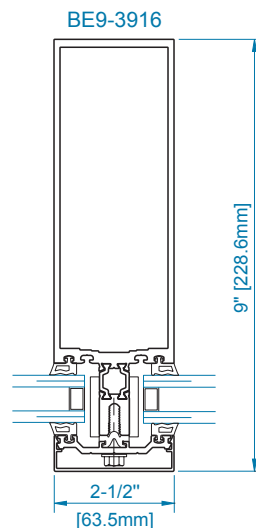
SECTION 2A
OPEN BACK HORIZONTAL



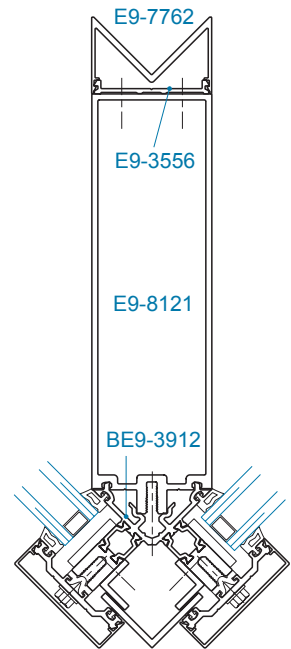
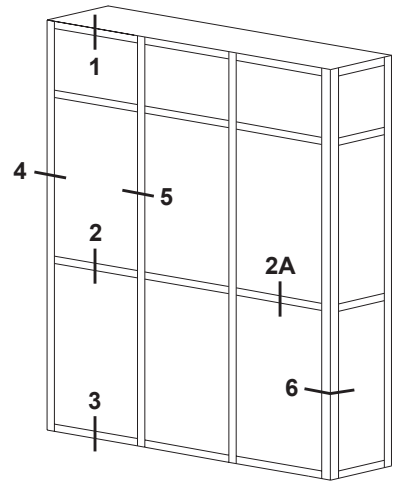
SECTION 3
OPEN BACK SILL



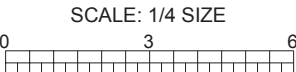
SECTION 4
JAMB



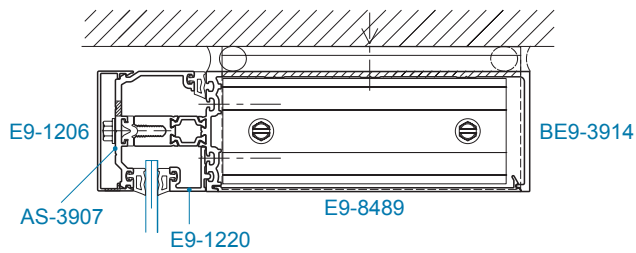
SECTION 5
VERTICAL



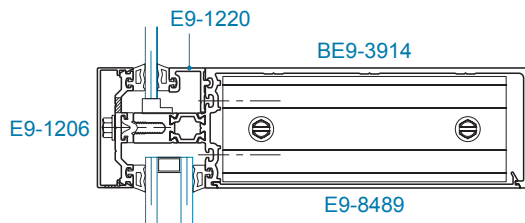
SECTION 6
90° OUTSIDE CORNER



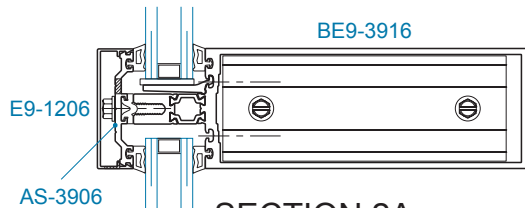
OPTIONAL FRAMING MEMBERS FOR 1" GLAZING



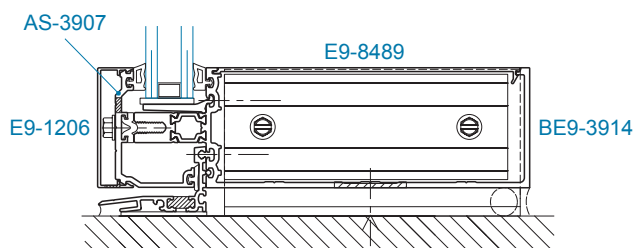
SECTION 1B
OPEN BACK HEAD
(1/4" Gl.)



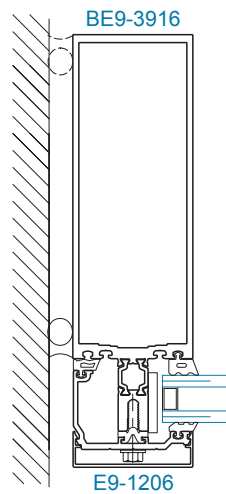
SECTION 2
OPEN BACK HORIZONTAL
(1/4" Gl./1" Gl.)



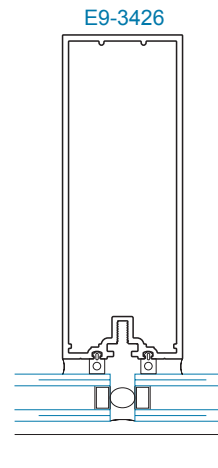
SECTION 2A
HORIZONTAL



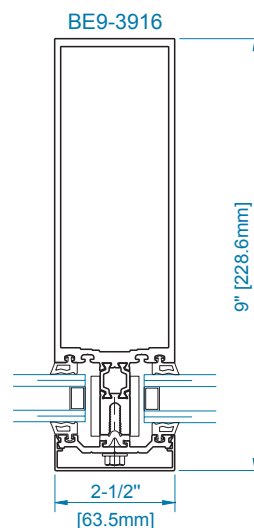
SECTION 3B
SILL w/ OPTIONAL SILL FLASHING



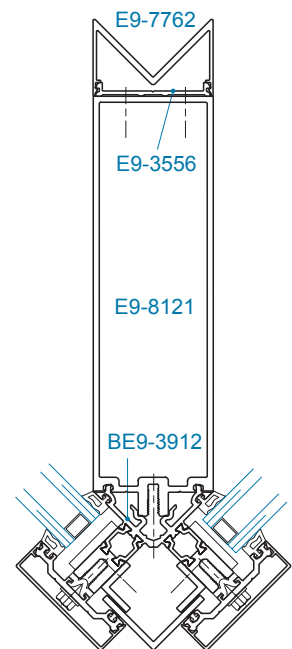
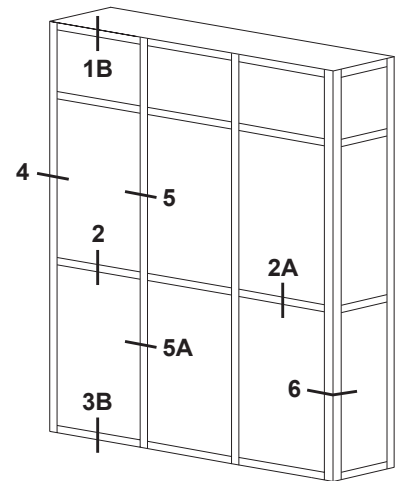
SECTION 4
JAMB



SECTION 5A
SSG VERTICAL

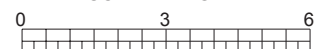


SECTION 5
VERTICAL

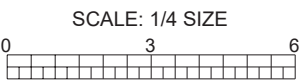
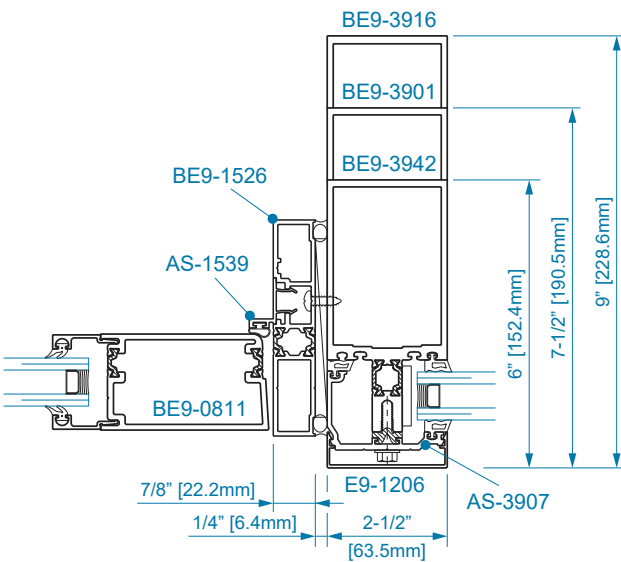
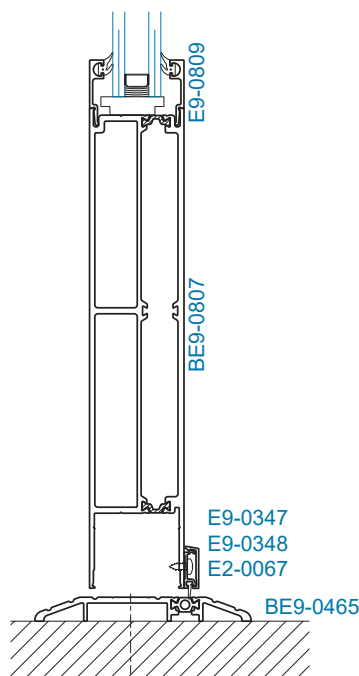
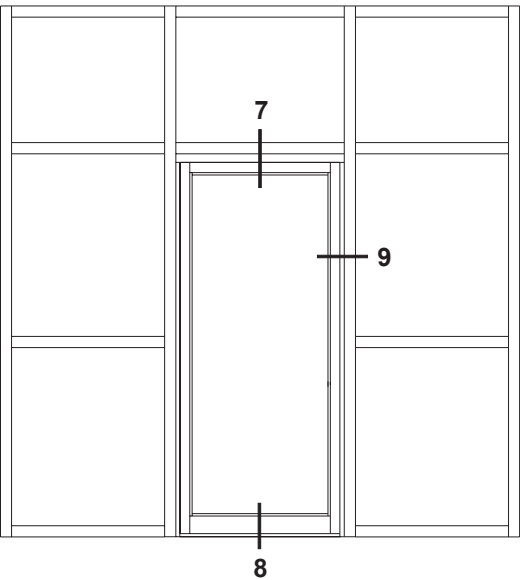
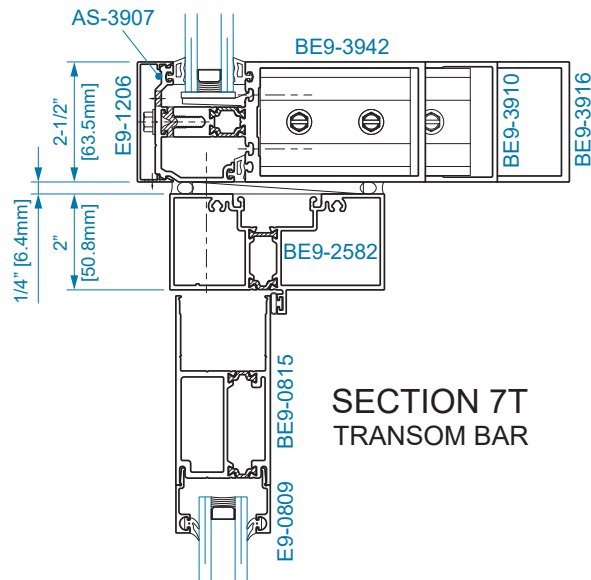


SECTION 6
90° OUTSIDE CORNER

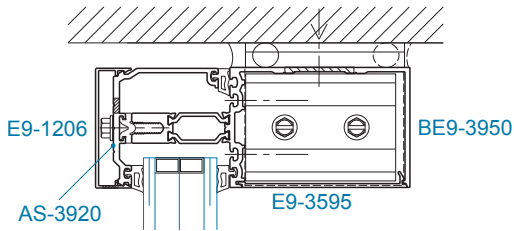
SCALE: 1/4 SIZE



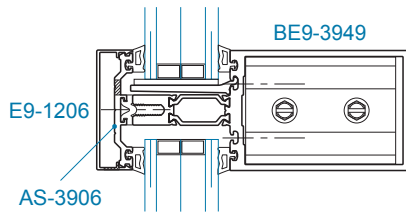
35T DOOR FRAMING MEMBERS FOR 1" GLAZING



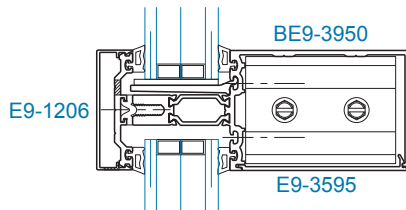
STANDARD FRAMING MEMBERS FOR 1-1/2" GLAZING



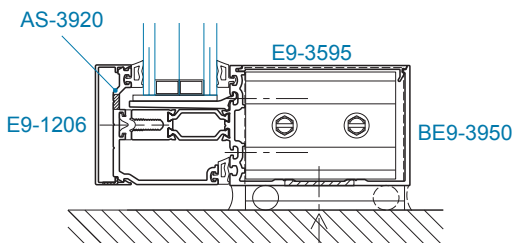
SECTION 1
OPEN BACK HEAD



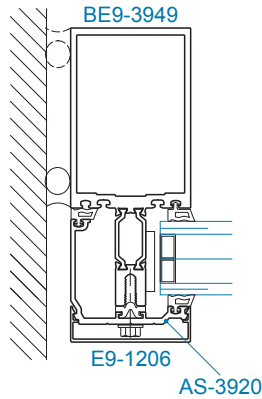
SECTION 2
HORIZONTAL



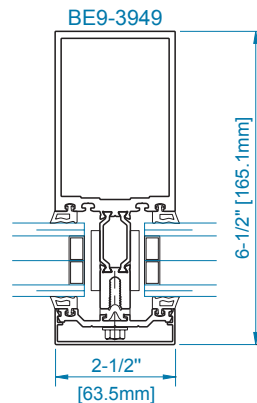
SECTION 2A
OPEN BACK HORIZONTAL



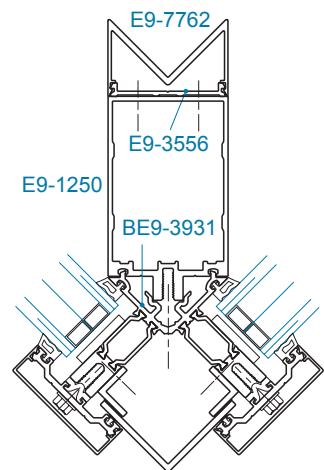
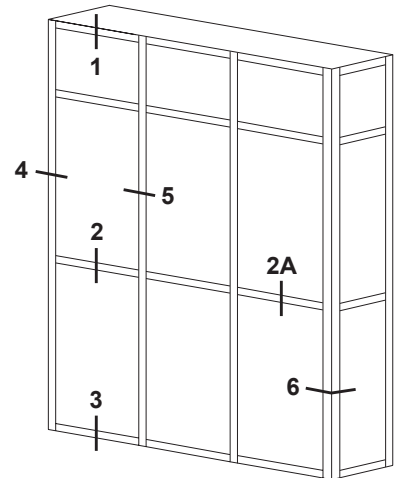
SECTION 3
OPEN BACK SILL



SECTION 4
JAMB

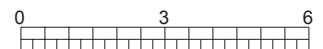


SECTION 5
VERTICAL

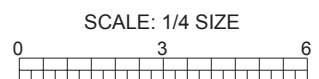
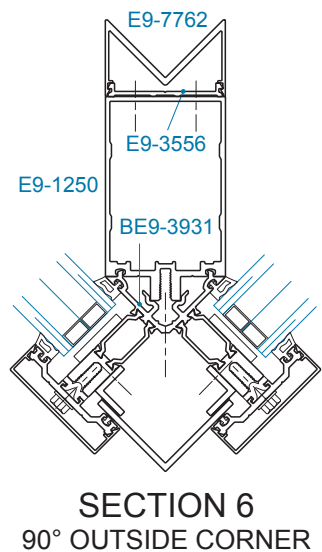
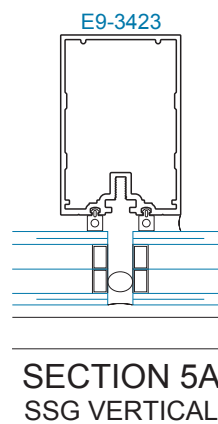
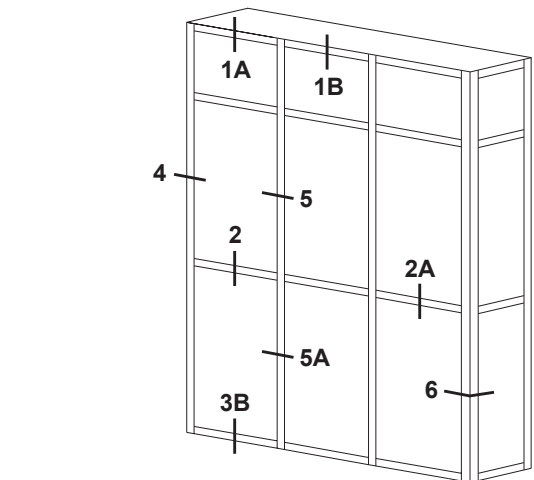
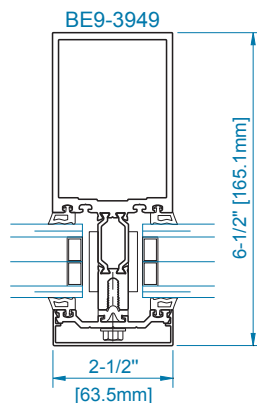
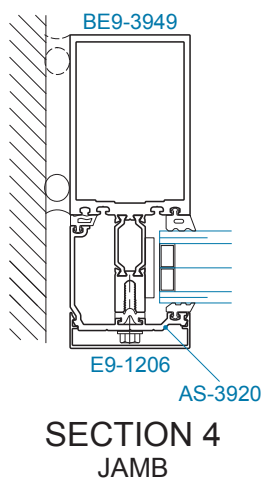
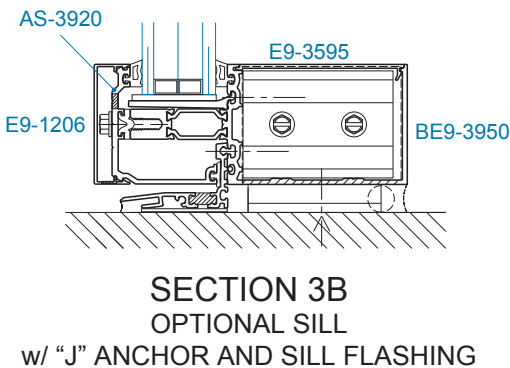
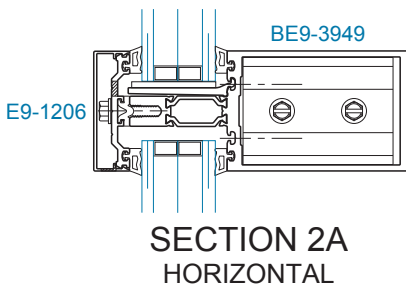
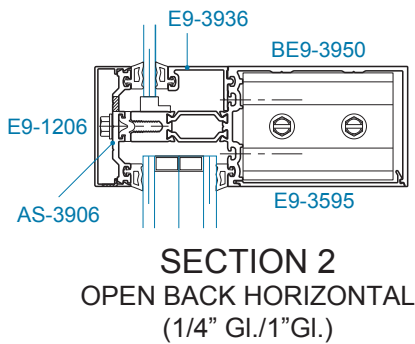
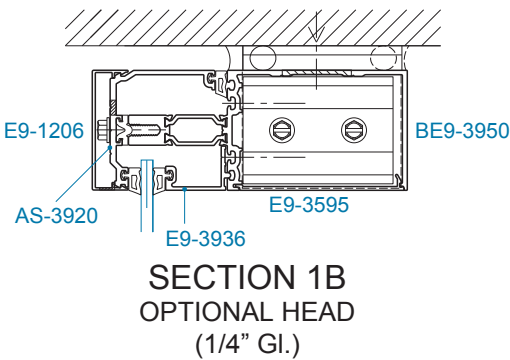


SECTION 6
90° OUTSIDE CORNER

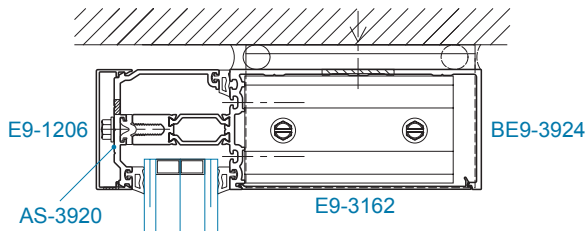
SCALE: 1/4 SIZE



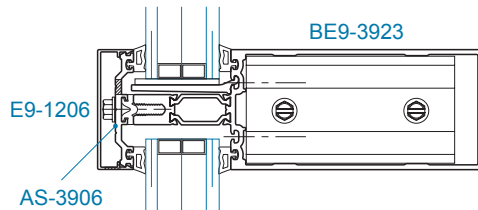
OPTIONAL FRAMING MEMBERS FOR 1-1/2" GLAZING



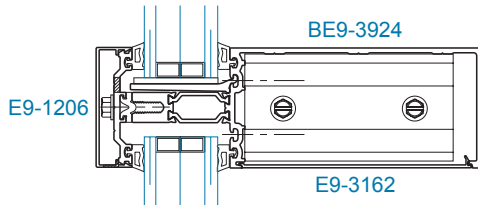
STANDARD FRAMING MEMBERS FOR 1-1/2" GLAZING



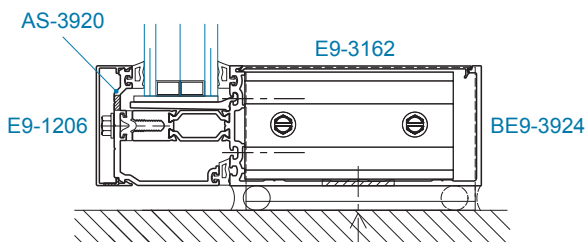
SECTION 1
OPEN BACK HEAD



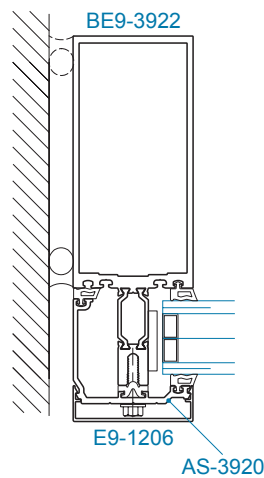
SECTION 2
HORIZONTAL



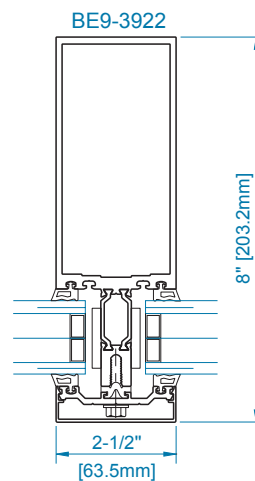
SECTION 2A
OPEN BACK HORIZONTAL



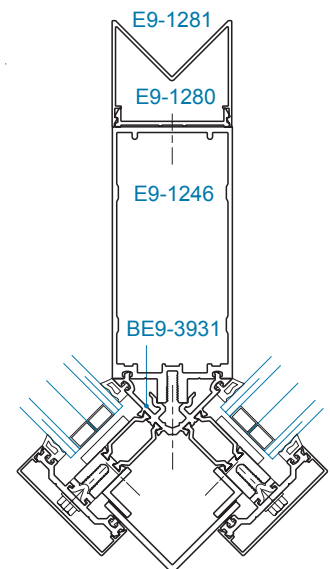
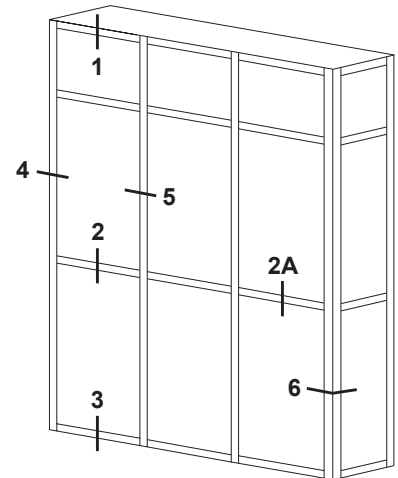
SECTION 3
OPEN BACK SILL



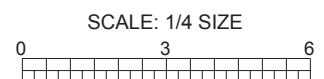
SECTION 4
JAMB



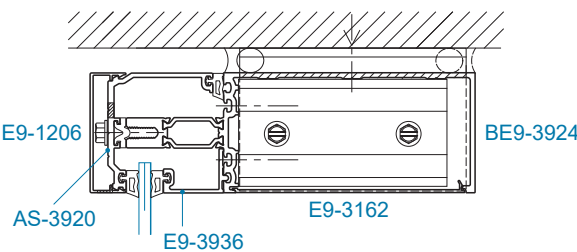
SECTION 5
VERTICAL



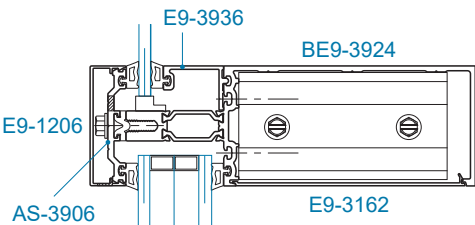
SECTION 6
90° OUTSIDE CORNER



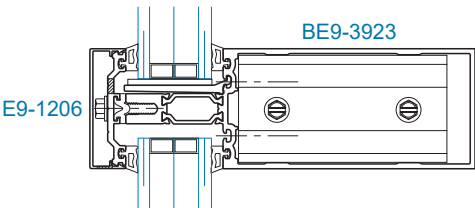
OPTIONAL FRAMING MEMBERS FOR 1-1/2" GLAZING



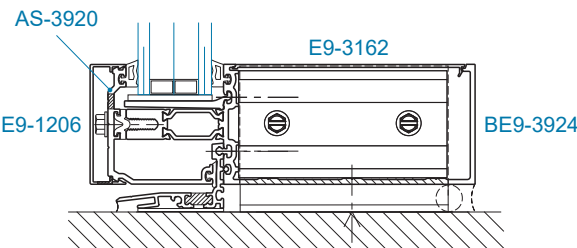
SECTION 1B
OPEN BACK HEAD
(1/4" Gl.)



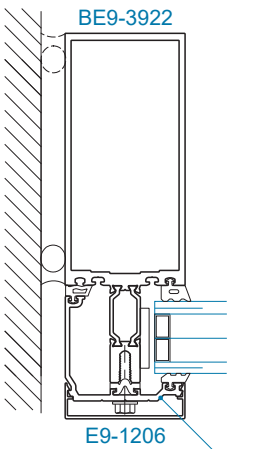
SECTION 2
OPEN BACK HORIZONTAL
(1/4" Gl./1" Gl.)



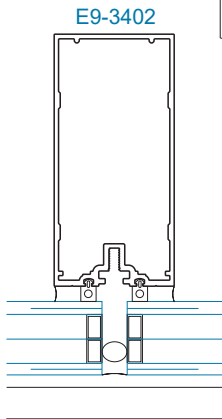
SECTION 2A
HORIZONTAL



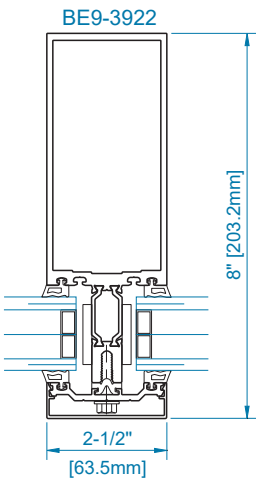
SECTION 3B
OPTIONAL SILL
w/ "J" ANCHOR AND SILL FLASHING



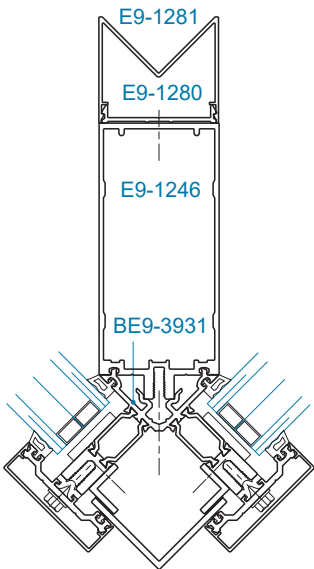
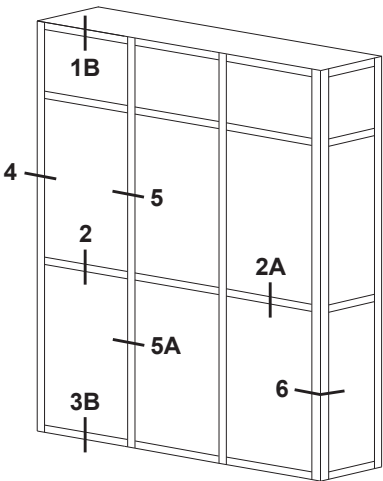
SECTION 4
JAMB



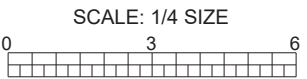
SECTION 5A
SSG VERTICAL



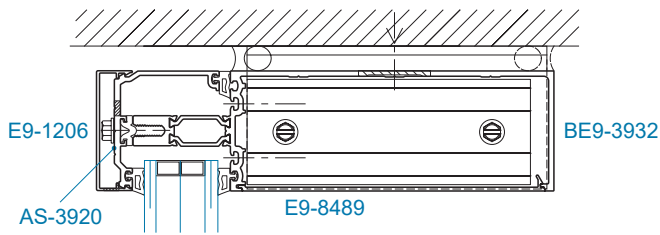
SECTION 5
VERTICAL



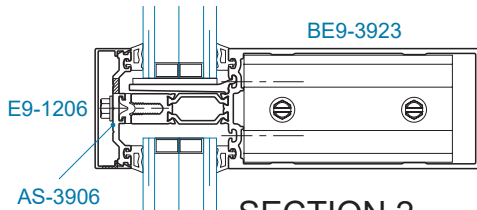
SECTION 6
90° OUTSIDE CORNER



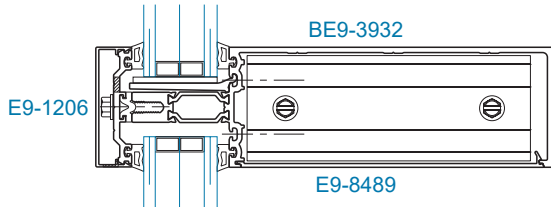
STANDARD FRAMING MEMBERS FOR 1-1/2" GLAZING



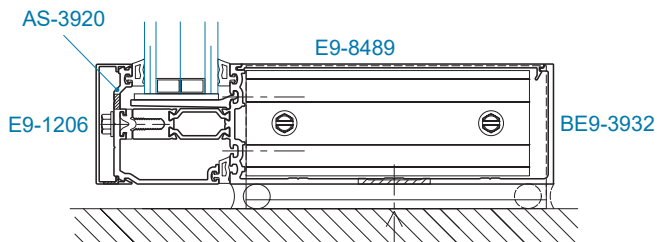
SECTION 1
OPEN BACK HEAD



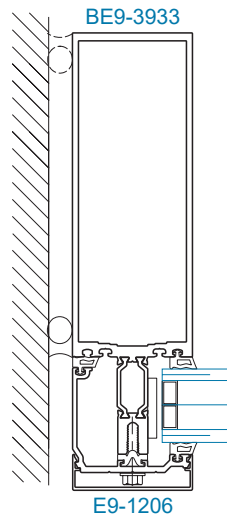
SECTION 2
HORIZONTAL



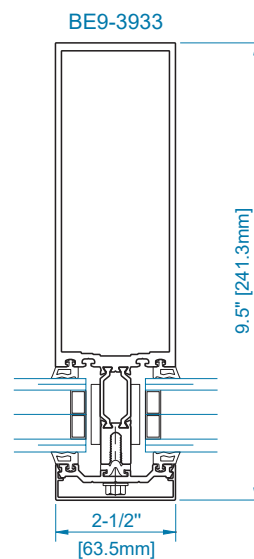
SECTION 2A
OPEN BACK HORIZONTAL



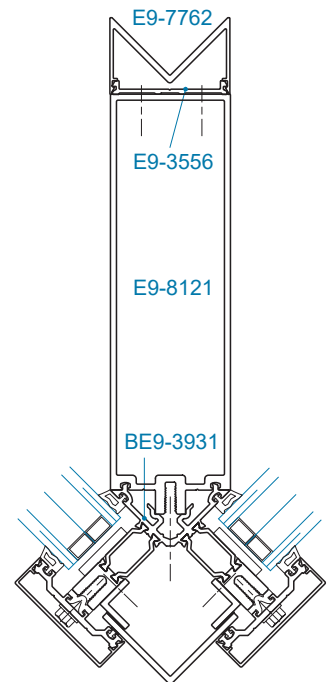
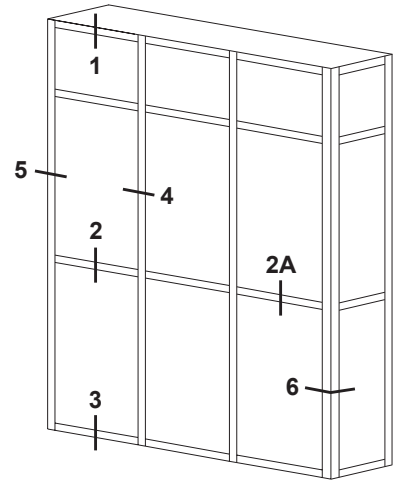
SECTION 3
OPEN BACK SILL



SECTION 4
JAMB

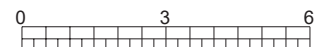


SECTION 5
VERTICAL

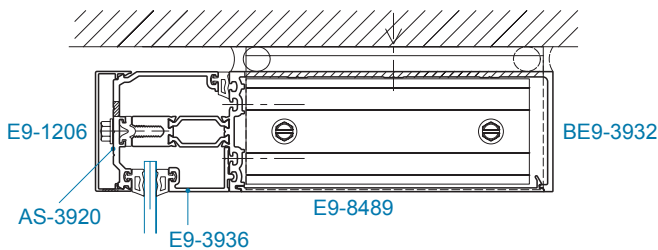


SECTION 6
90° OUTSIDE CORNER

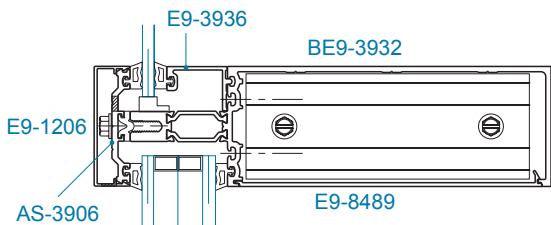
SCALE: 1/4 SIZE



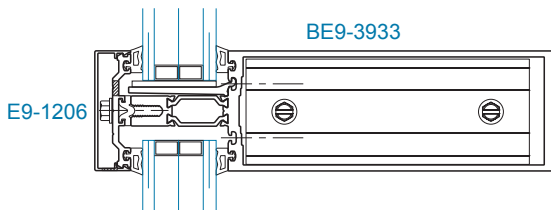
OPTIONAL FRAMING MEMBERS FOR 1-1/2" GLAZING



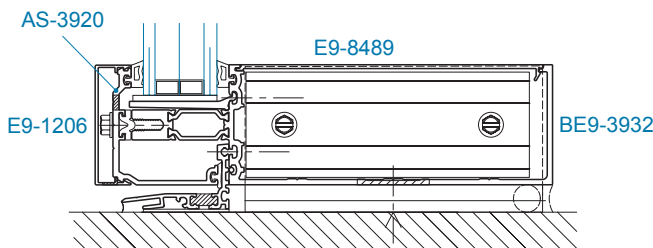
SECTION 1B
OPEN BACK HEAD
(1/4" Gl.)



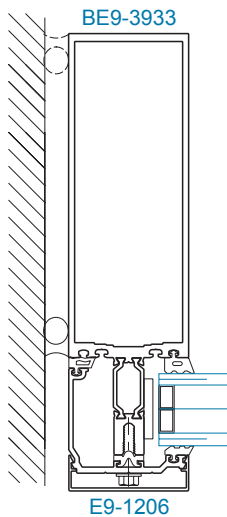
SECTION 2
OPEN BACK HORIZONTAL
(1/4" Gl./1" Gl.)



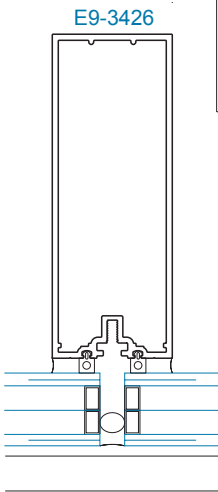
SECTION 2A
HORIZONTAL



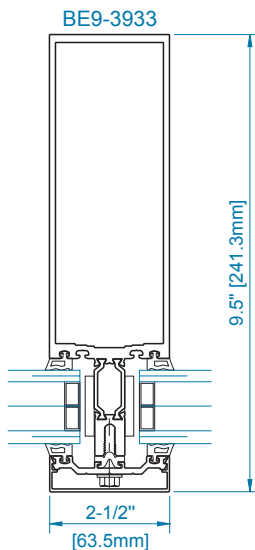
SECTION 3B
SILL w/ OPTIONAL SILL FLASHING



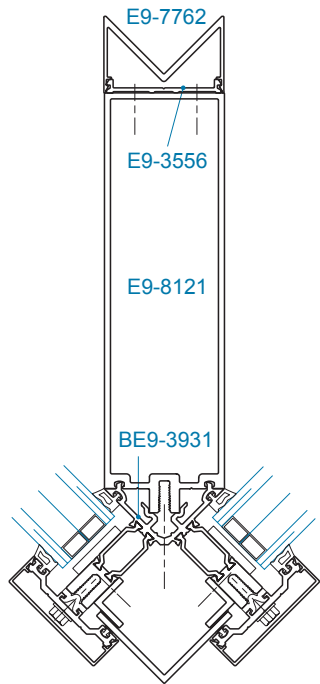
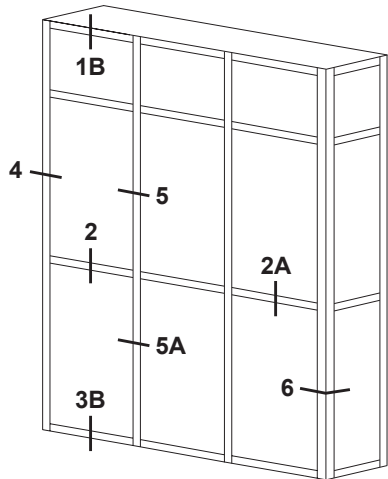
SECTION 4
JAMB



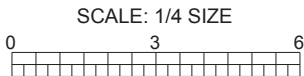
SECTION 5A
SSG VERTICAL



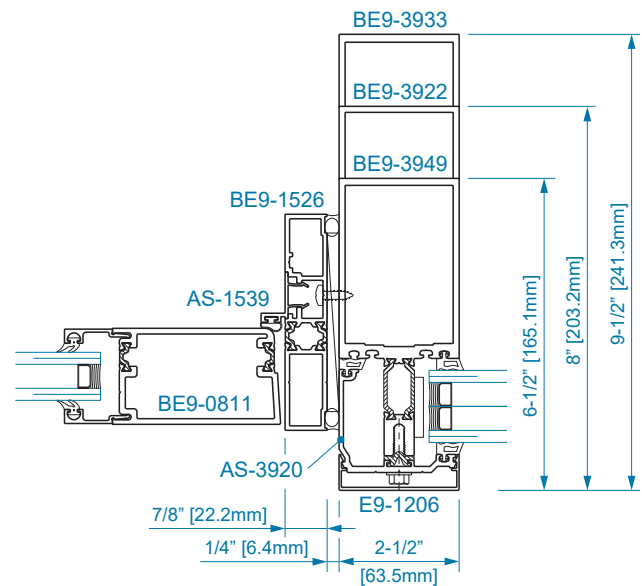
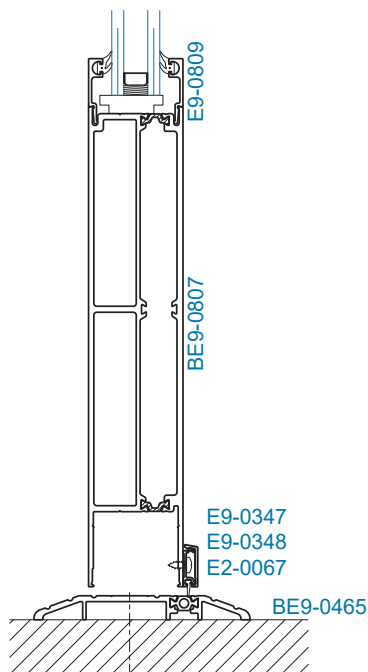
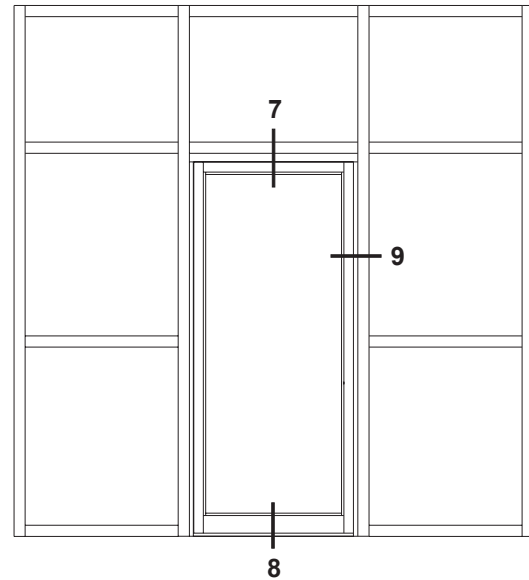
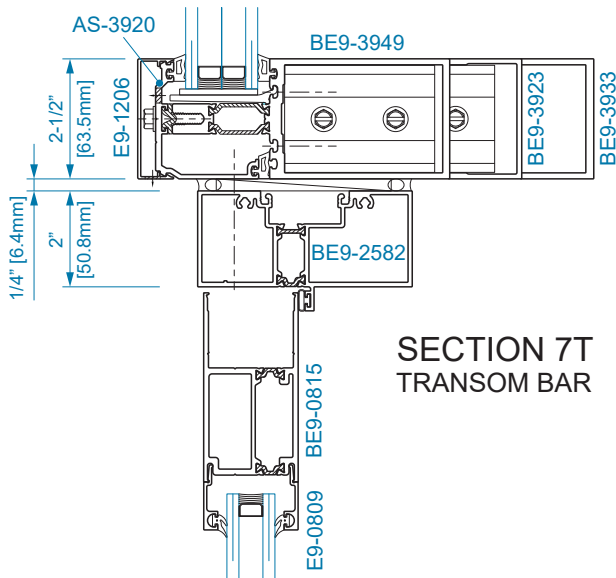
SECTION 5
VERTICAL



SECTION 6
90° OUTSIDE CORNER

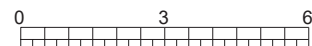


35T DOOR FRAMING MEMBERS FOR 1-1/2" GLAZING

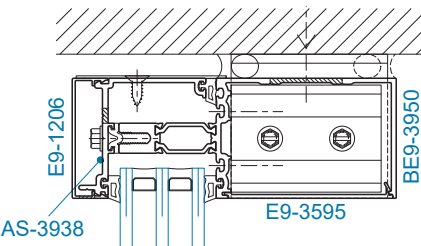


SECTION 9T DOOR JAMB

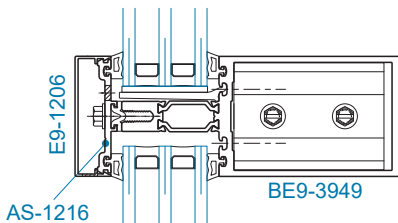
SCALE: 1/4 SIZE



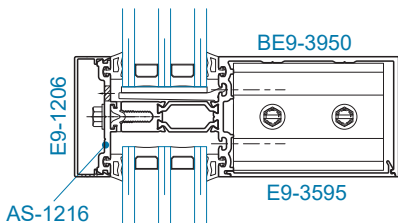
STANDARD FRAMING MEMBERS FOR 1-3/4" GLAZING



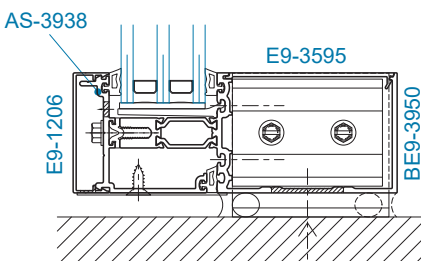
SECTION 1
OPEN BACK HEAD



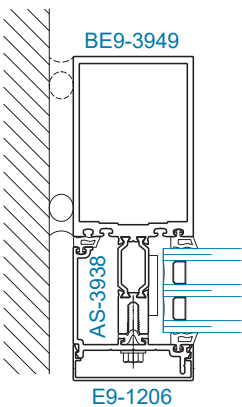
SECTION 2
HORIZONTAL



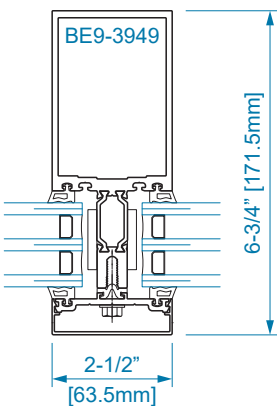
SECTION 2A
OPEN BACK HORIZONTAL



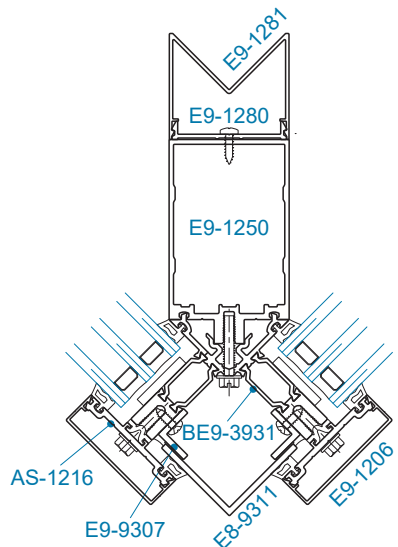
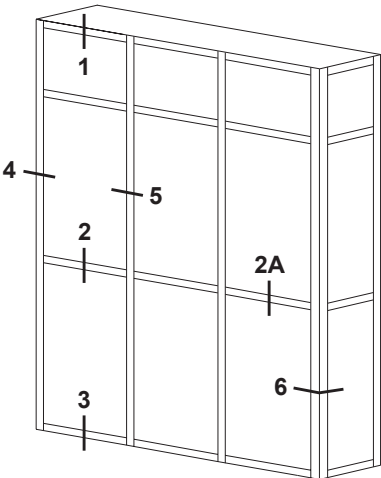
SECTION 3
OPEN BACK SILL



SECTION 4
JAMB

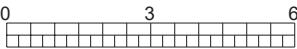


SECTION 5
VERTICAL

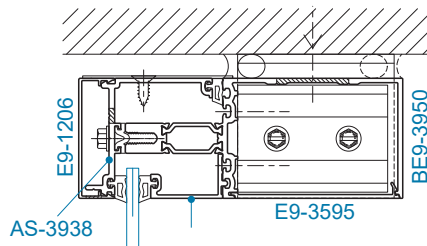


SECTION 6
90° OUTSIDE CORNER

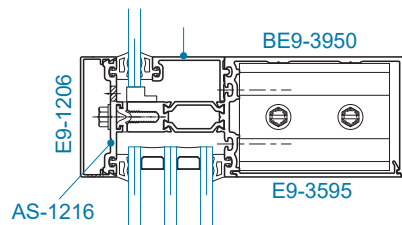
SCALE: 1/4 SIZE



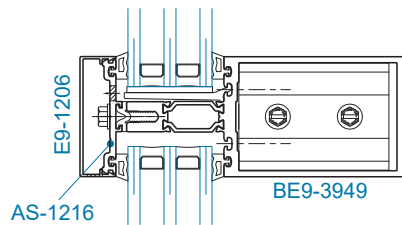
OPTIONAL FRAMING MEMBERS FOR 1-3/4" GLAZING



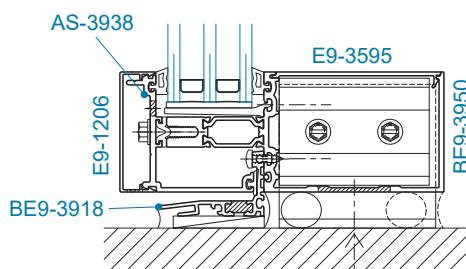
SECTION 1B
OPTIONAL HEAD
(1/4" Gl.)



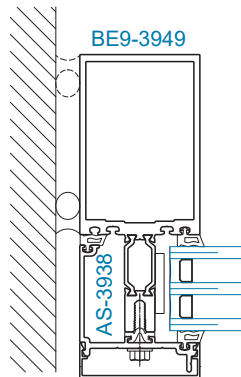
SECTION 2
OPEN BACK HORIZONTAL
(1/4" Gl./1" Gl.)



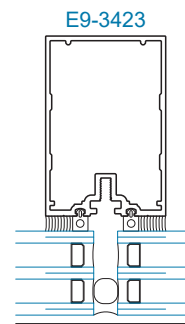
SECTION 2A
HORIZONTAL



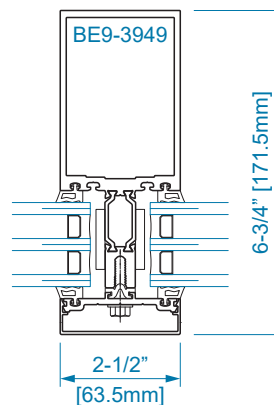
SECTION 3B
OPTIONAL SILL
w/ "J" ANCHOR AND SILL FLASHING



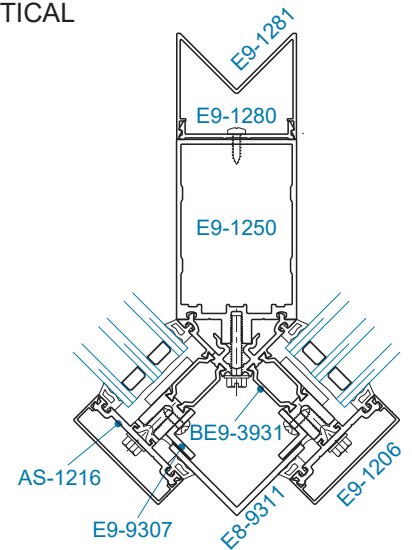
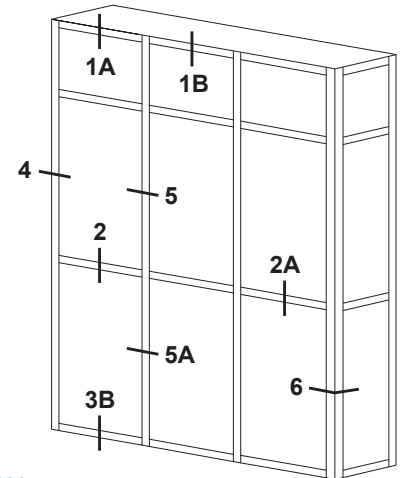
SECTION 4
JAMB



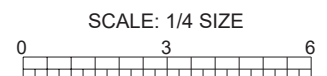
SECTION 5A
SSG VERTICAL



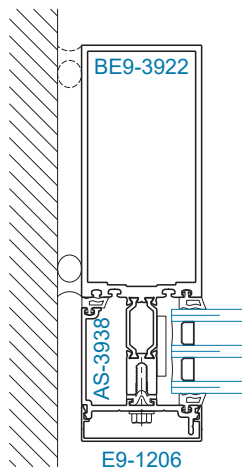
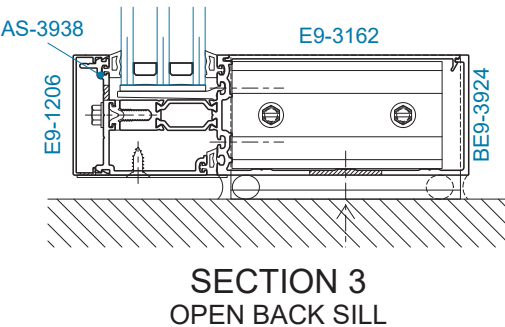
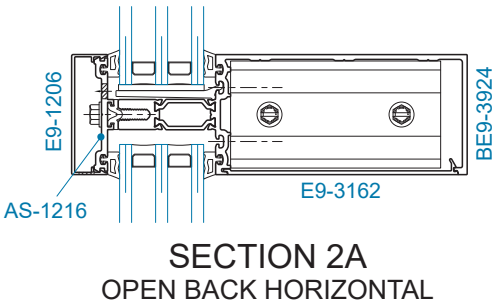
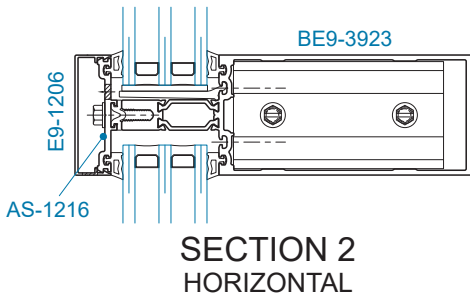
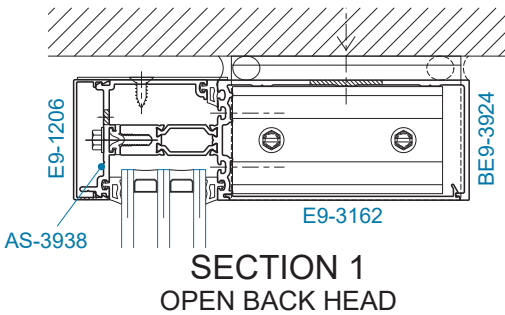
SECTION 5
VERTICAL



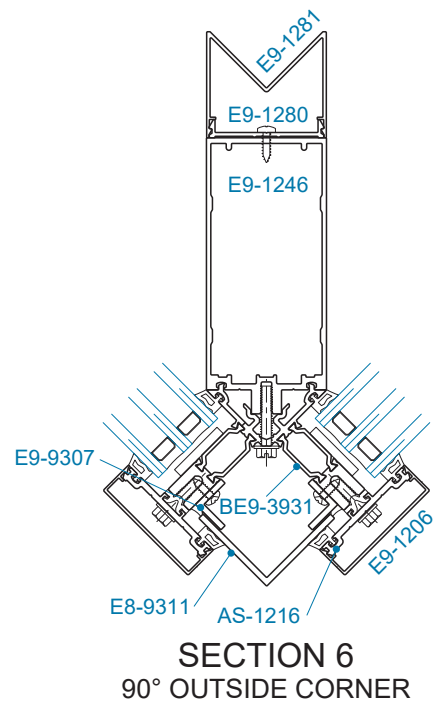
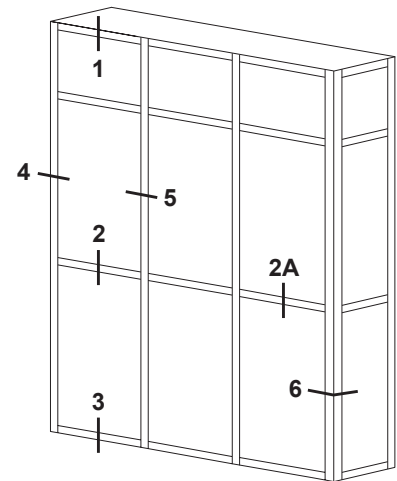
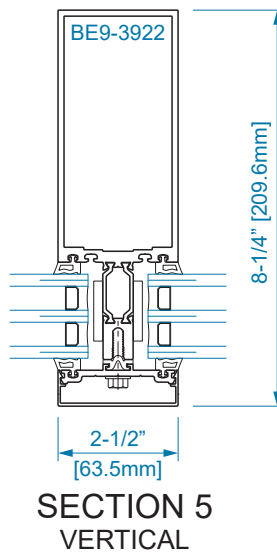
SECTION 6
90° OUTSIDE CORNER



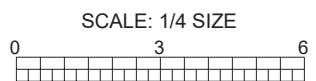
STANDARD FRAMING MEMBERS FOR 1-3/4" GLAZING



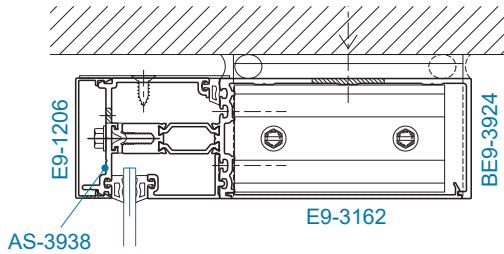
SECTION 4
JAMB



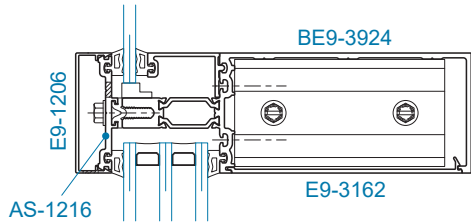
SECTION 6
90° OUTSIDE CORNER



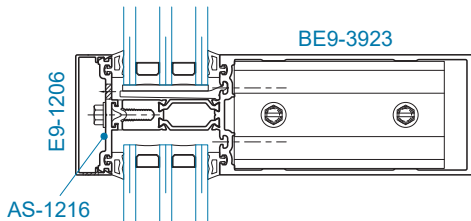
OPTIONAL FRAMING MEMBERS FOR 1-3/4" GLAZING



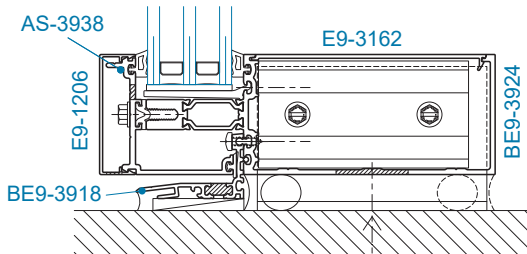
SECTION 1B
OPEN BACK HEAD
(1/4" Gl.)



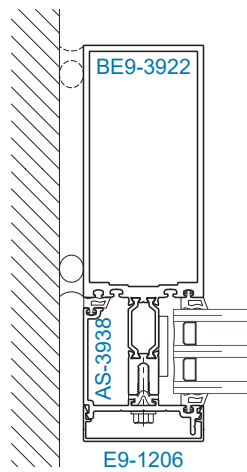
SECTION 2
OPEN BACK HORIZONTAL
(1/4" Gl./1" Gl.)



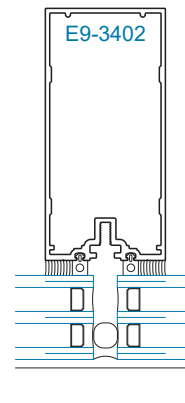
SECTION 2A
HORIZONTAL



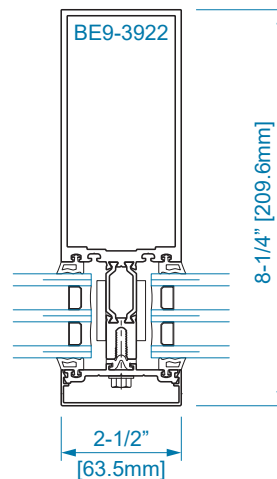
SECTION 3B
OPTIONAL SILL
w/ "J" ANCHOR AND SILL FLASHING



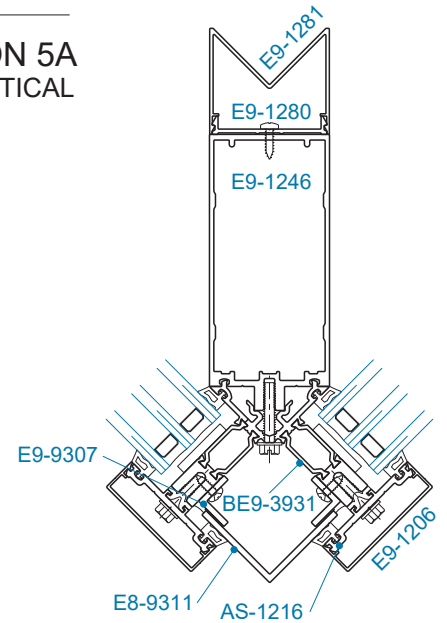
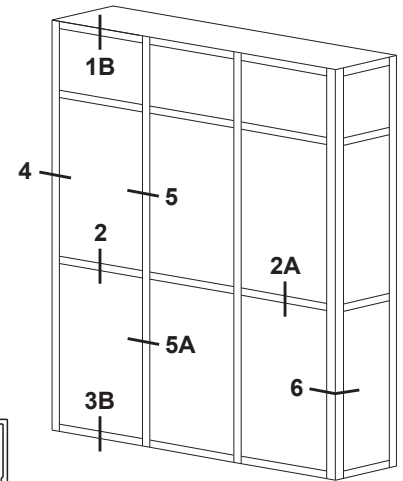
SECTION 4
JAMB



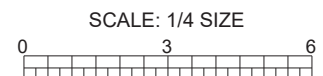
SECTION 5A
SSG VERTICAL



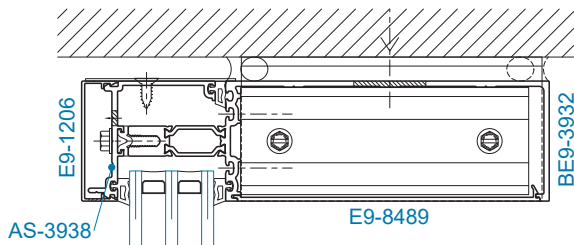
SECTION 5
VERTICAL



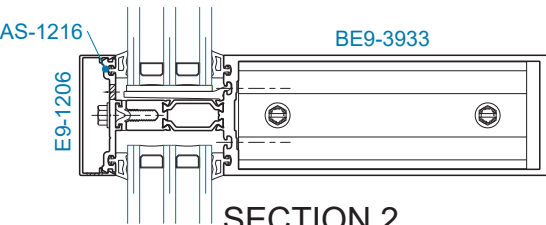
SECTION 6
90° OUTSIDE CORNER



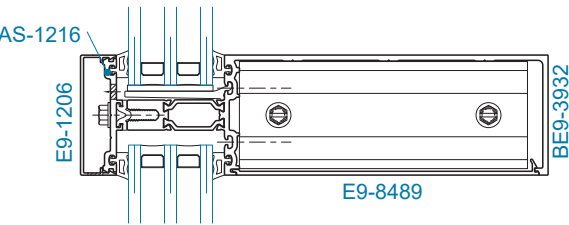
STANDARD FRAMING MEMBERS FOR 1-3/4" GLAZING



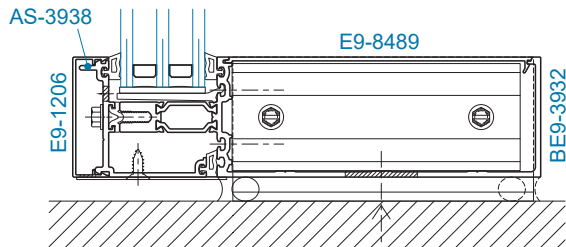
SECTION 1
OPEN BACK HEAD



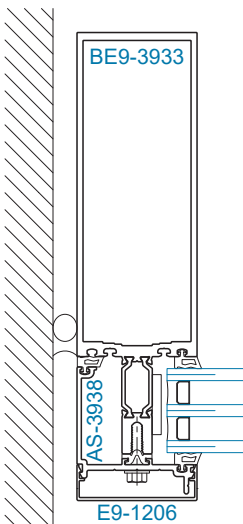
SECTION 2
HORIZONTAL



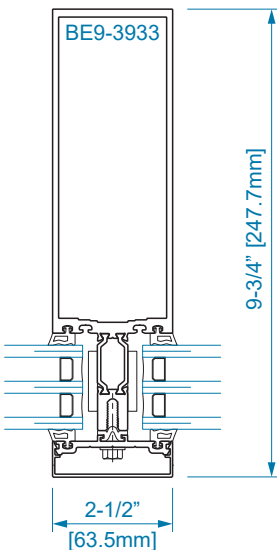
SECTION 2A
OPEN BACK HORIZONTAL



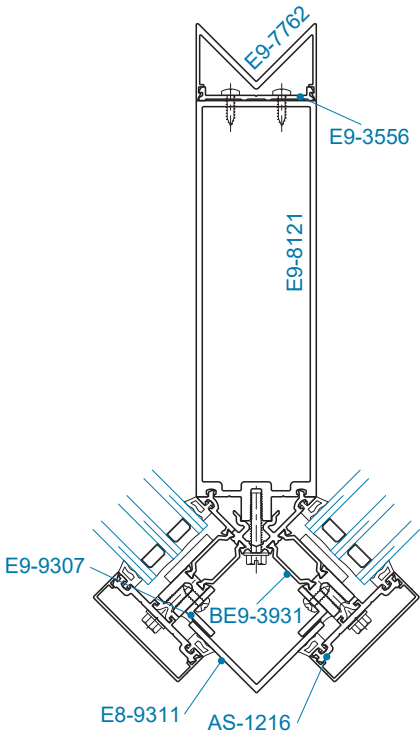
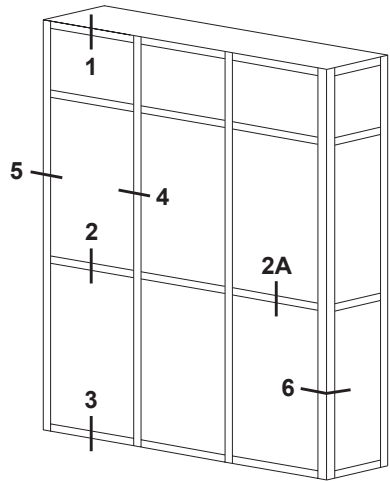
SECTION 3
OPEN BACK SILL



SECTION 4
JAMB

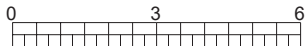


SECTION 5
VERTICAL

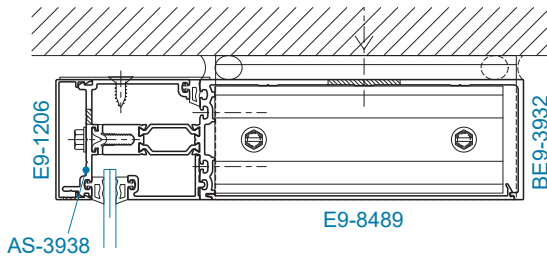


SECTION 6
90° OUTSIDE CORNER

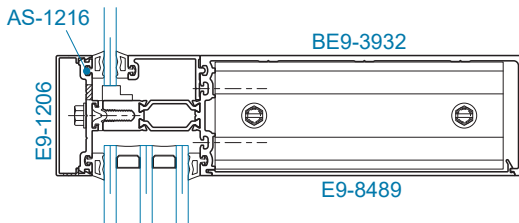
SCALE: 1/4 SIZE



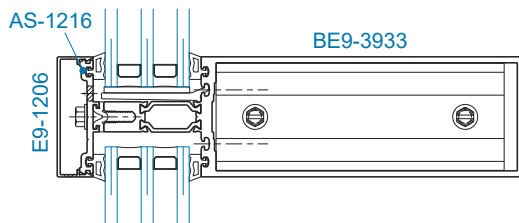
OPTIONAL FRAMING MEMBERS FOR 1-3/4" GLAZING



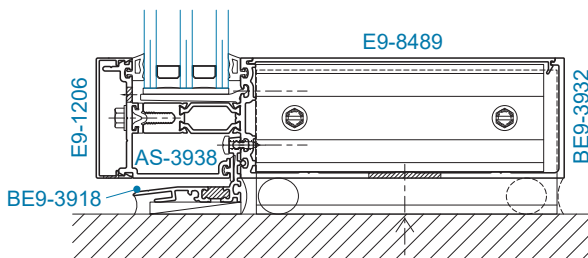
SECTION 1B
OPEN BACK HEAD
(1/4" Gl.)



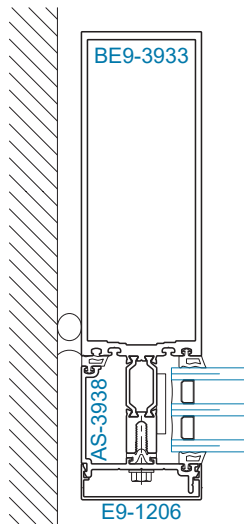
SECTION 2
OPEN BACK HORIZONTAL
(1/4" Gl./1" Gl.)



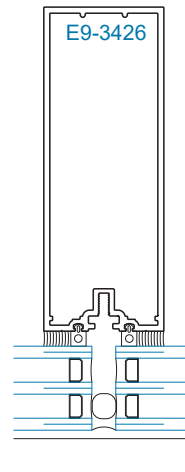
SECTION 2A
HORIZONTAL



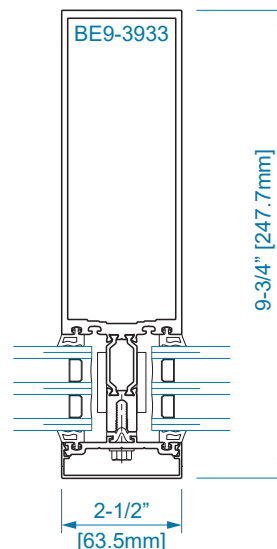
SECTION 3B
SILL w/ OPTIONAL SILL FLASHING



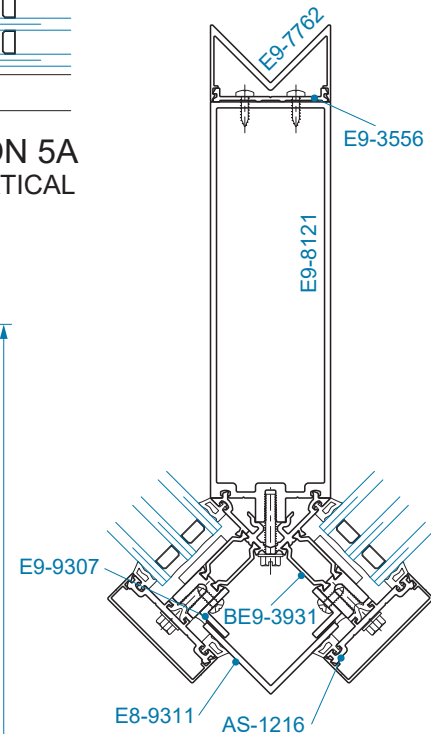
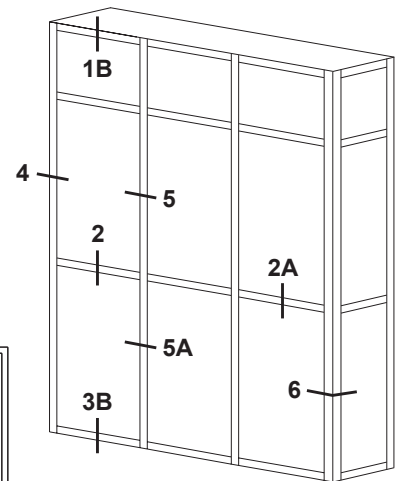
SECTION 4
JAMB



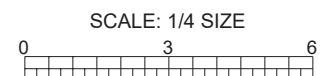
SECTION 5A
SSG VERTICAL



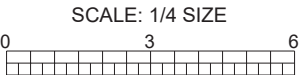
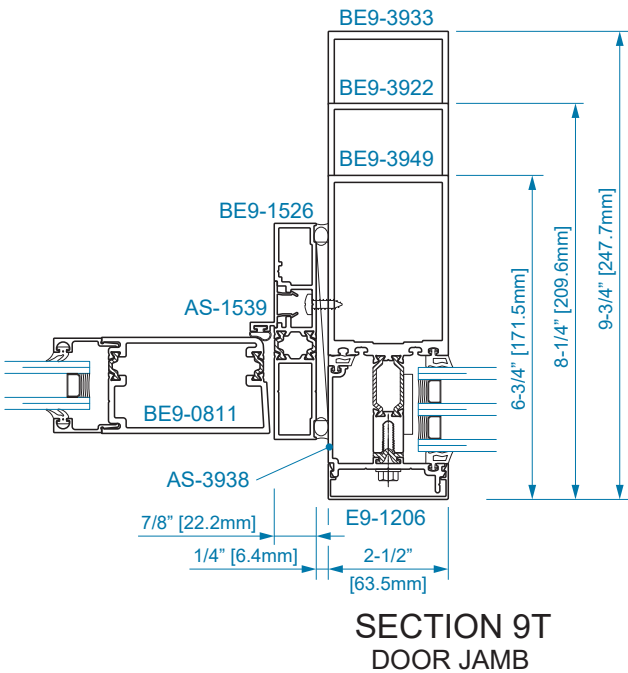
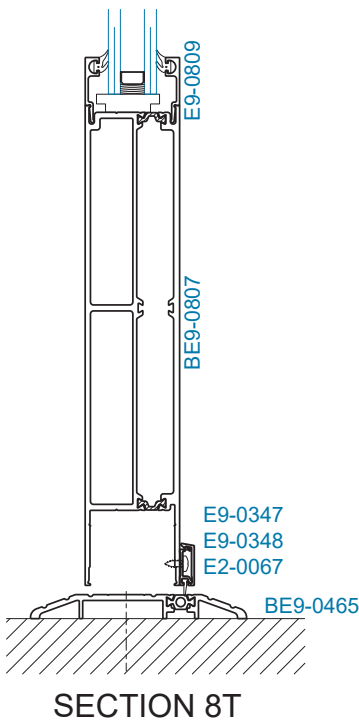
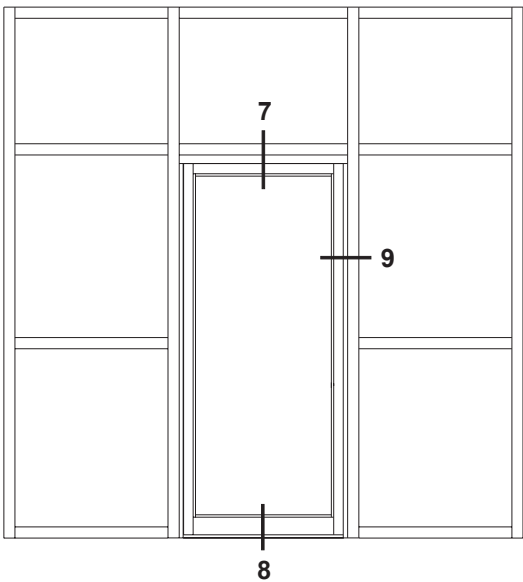
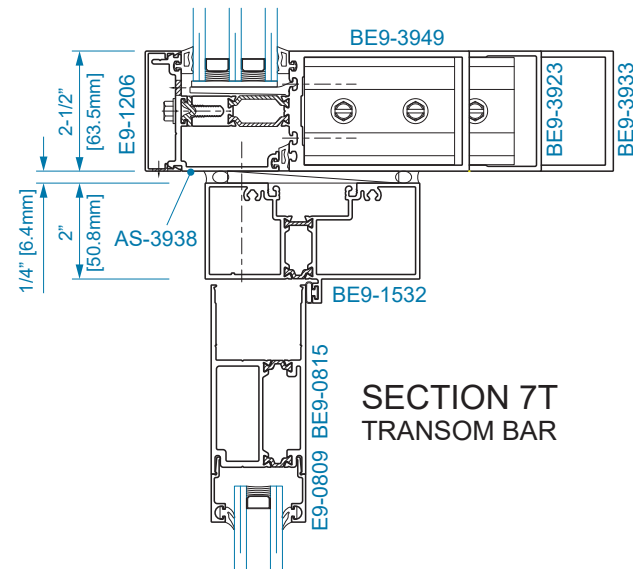
SECTION 5
VERTICAL



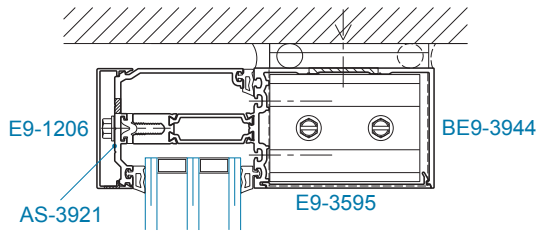
SECTION 6
90° OUTSIDE CORNER



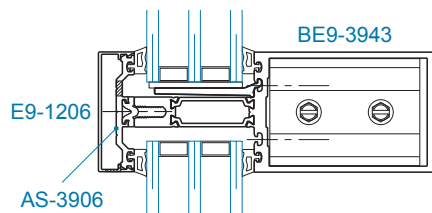
35T DOOR FRAMING MEMBERS FOR 1-3/4" GLAZING



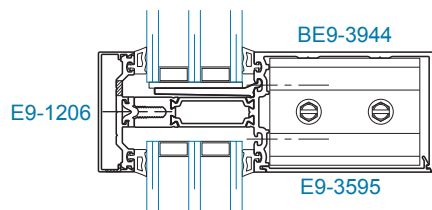
STANDARD FRAMING MEMBERS FOR 2" GLAZING



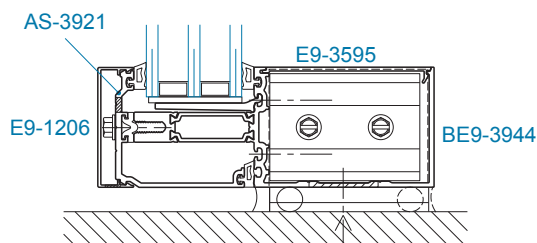
SECTION 1
OPEN BACK HEAD



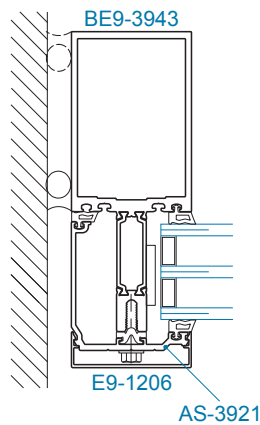
SECTION 2
HORIZONTAL



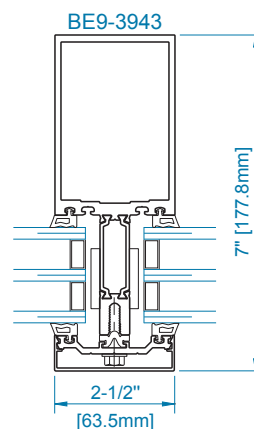
SECTION 2A
OPEN BACK HORIZONTAL



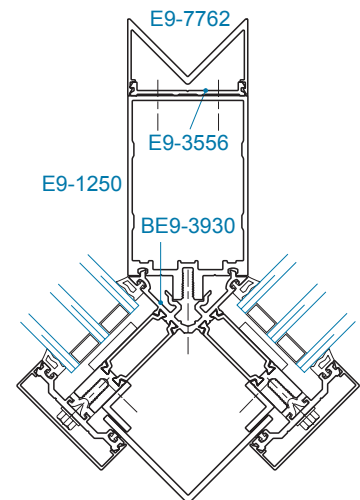
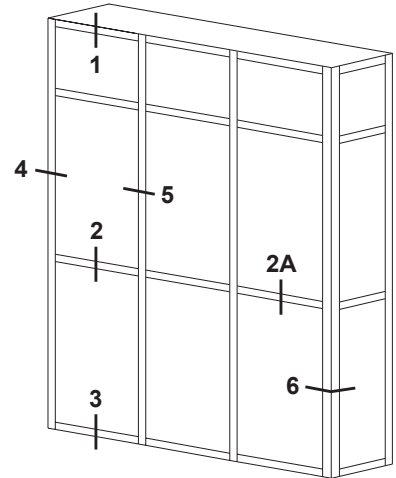
SECTION 3
OPEN BACK SILL



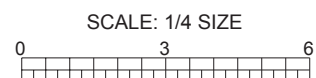
SECTION 4
JAMB



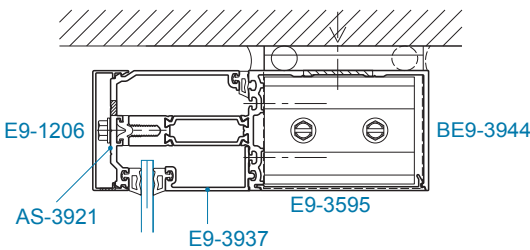
SECTION 5
VERTICAL



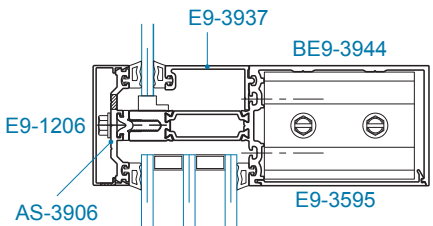
SECTION 6
90° OUTSIDE CORNER



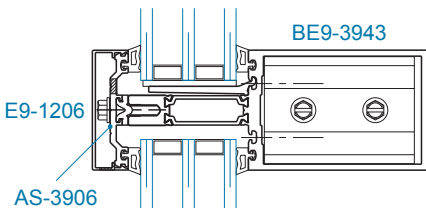
OPTIONAL FRAMING MEMBERS FOR 2" GLAZING



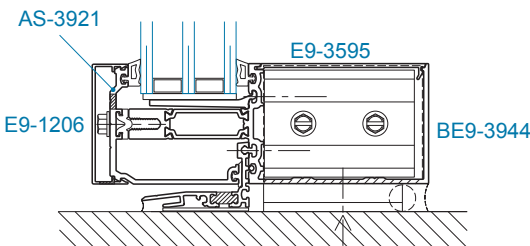
SECTION 1B
OPTIONAL HEAD
(1/4" Gl.)



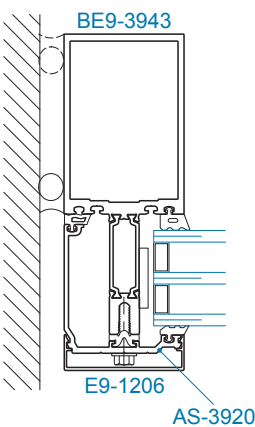
SECTION 2
OPEN BACK HORIZONTAL
(1/4" Gl./1" Gl.)



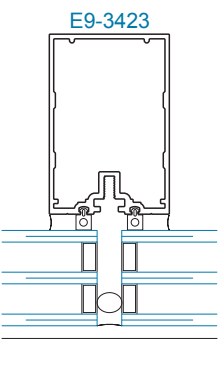
SECTION 2A
HORIZONTAL



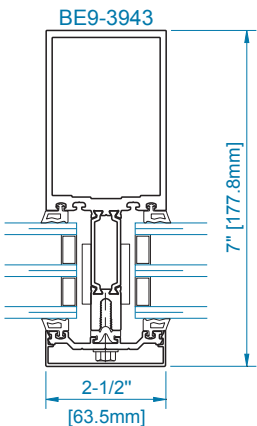
SECTION 3B
OPTIONAL SILL
w/ "J" ANCHOR AND SILL FLASHING



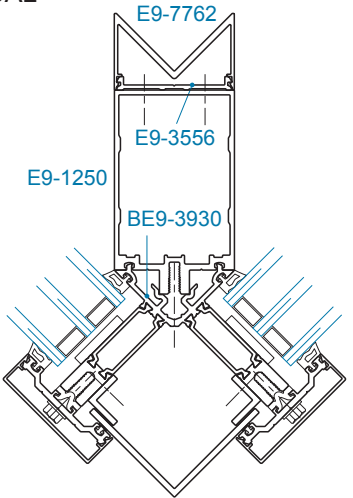
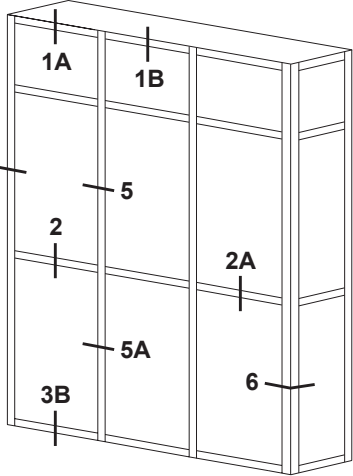
SECTION 4
JAMB



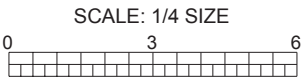
SECTION 5A
SSG VERTICAL



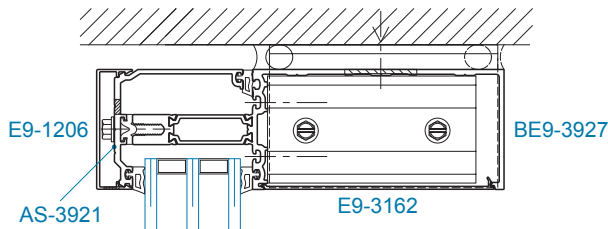
SECTION 5
VERTICAL



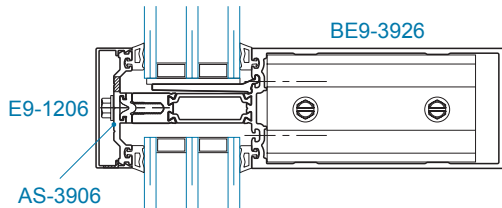
SECTION 6
90° OUTSIDE CORNER



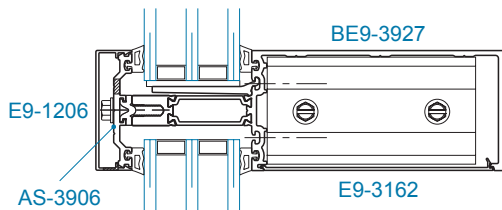
STANDARD FRAMING MEMBERS FOR 2" GLAZING



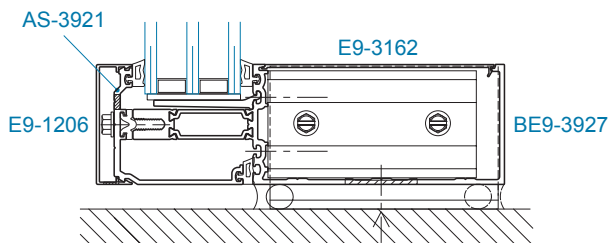
SECTION 1
OPEN BACK HEAD



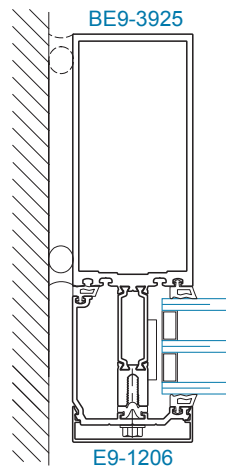
SECTION 2
HORIZONTAL



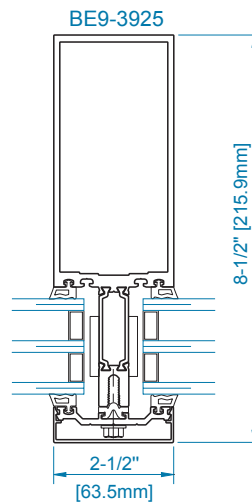
SECTION 2A
OPEN BACK HORIZONTAL



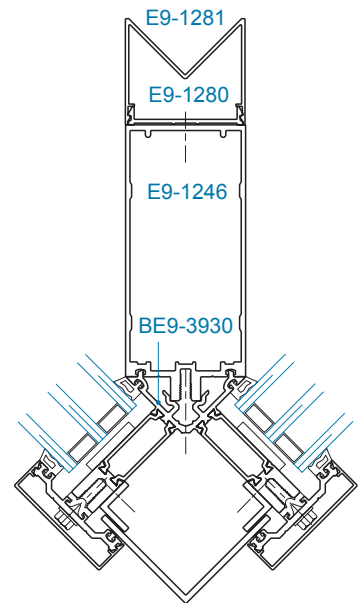
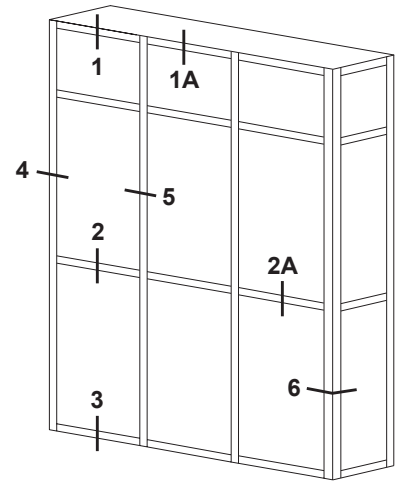
SECTION 3
OPEN BACK SILL



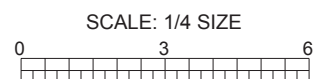
SECTION 4
JAMB



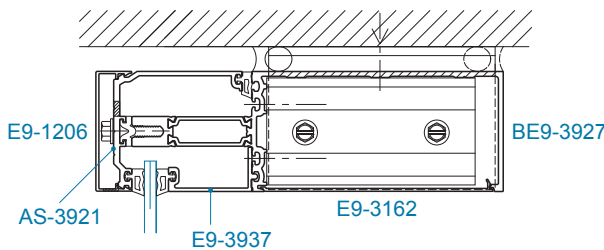
SECTION 5
VERTICAL



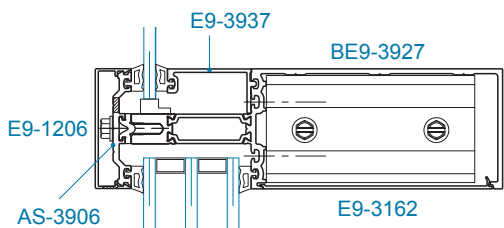
SECTION 6
90° OUTSIDE CORNER



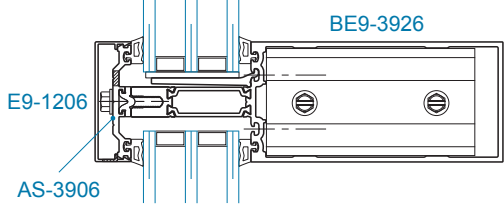
OPTIONAL FRAMING MEMBERS FOR 2" GLAZING



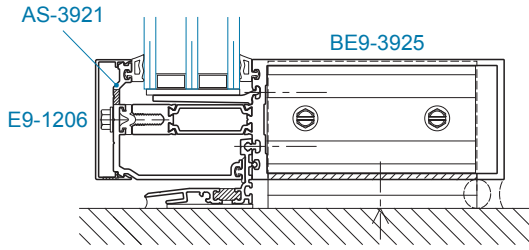
SECTION 1B
OPEN BACK HEAD
(1/4" Gl.)



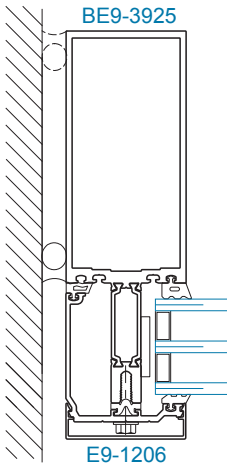
SECTION 2
OPEN BACK HORIZONTAL
(1/4" Gl./1" Gl.)



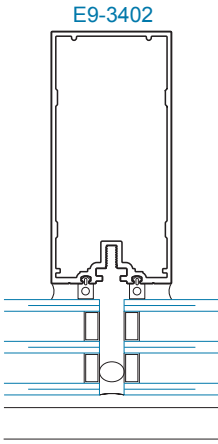
SECTION 2A
HORIZONTAL



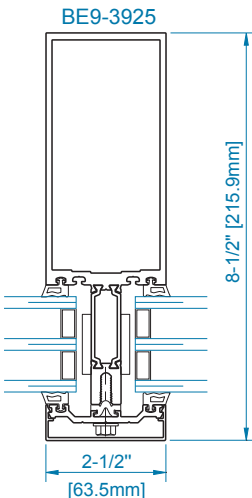
SECTION 3B
OPTIONAL SILL
w/ "J" ANCHOR AND SILL FLASHING



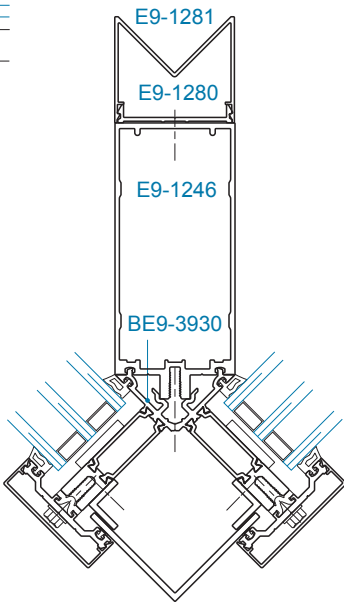
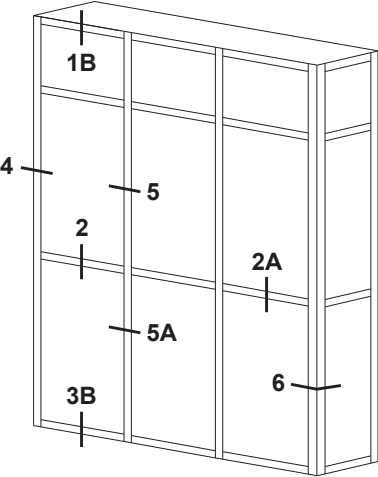
SECTION 4
JAMB



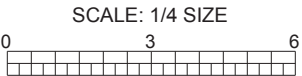
SECTION 5A
SSG VERTICAL



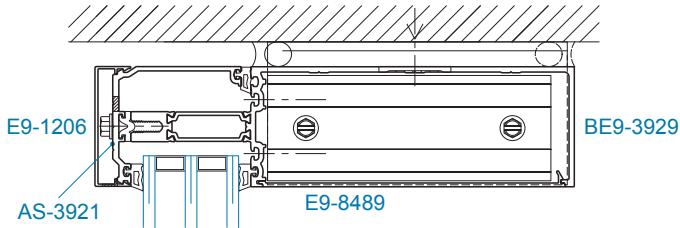
SECTION 5
VERTICAL



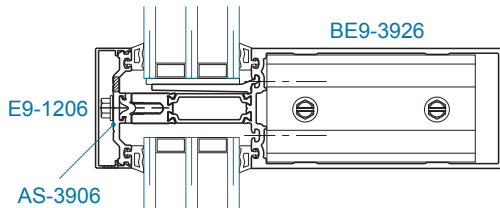
SECTION 6
90° OUTSIDE CORNER



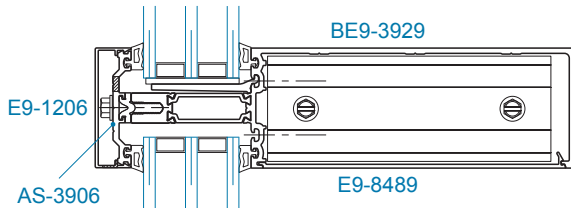
STANDARD FRAMING MEMBERS FOR 2" GLAZING



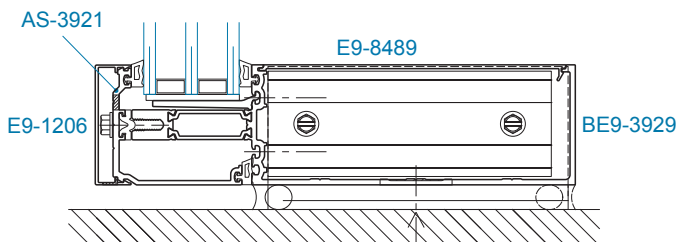
SECTION 1
OPEN BACK HEAD



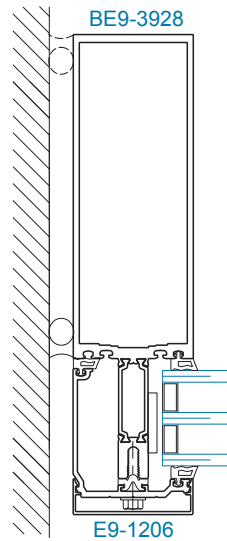
SECTION 2
HORIZONTAL



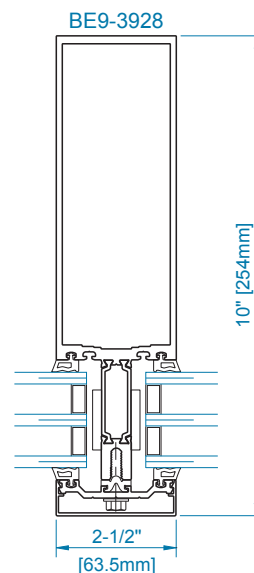
SECTION 2A
OPEN BACK HORIZONTAL



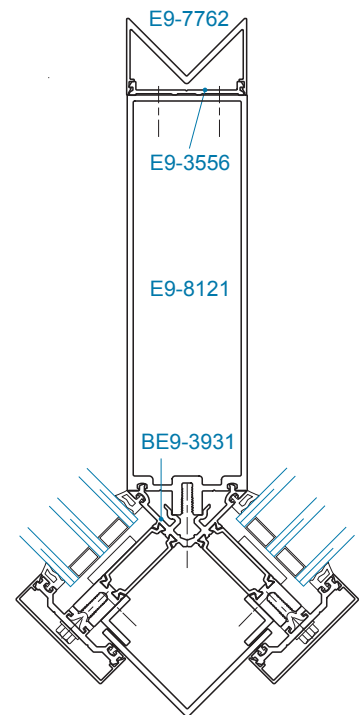
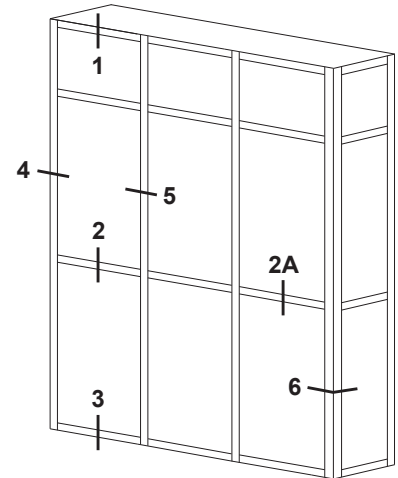
SECTION 3
OPEN BACK SILL



SECTION 4
JAMB

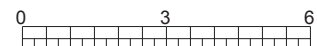


SECTION 5
VERTICAL

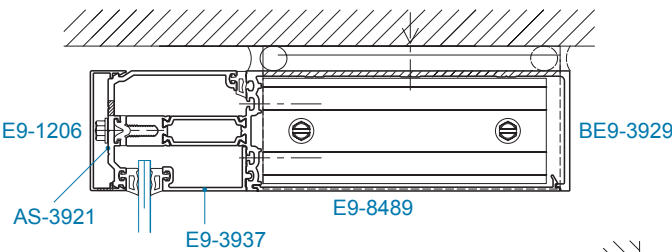


SECTION 6
90° OUTSIDE CORNER

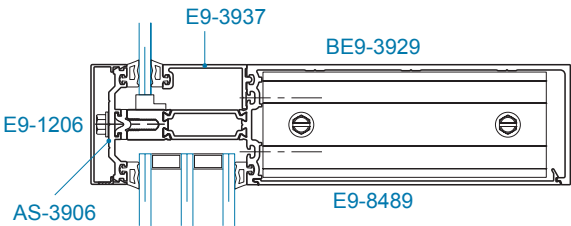
SCALE: 1/4 SIZE



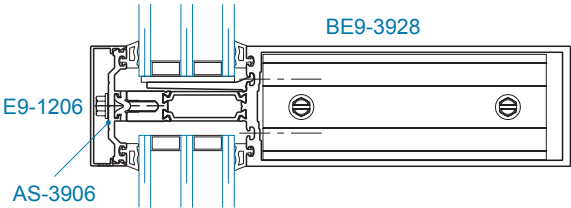
OPTIONAL FRAMING MEMBERS FOR 2" GLAZING



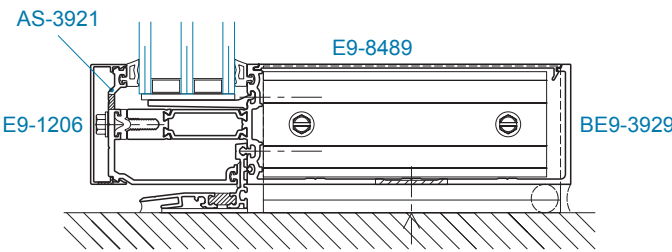
SECTION 1B
OPEN BACK HEAD
(1/4" Gl.)



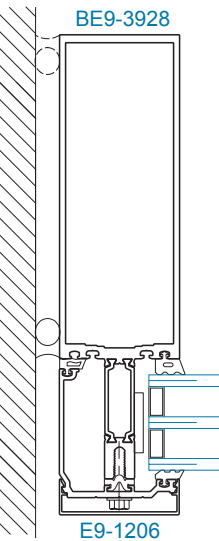
SECTION 2
OPEN BACK HORIZONTAL
(1/4" Gl./1" Gl.)



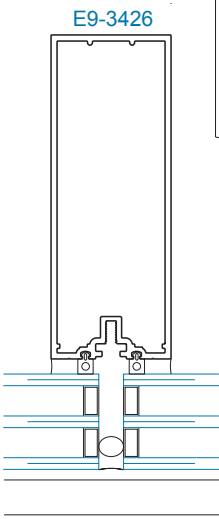
SECTION 2A
HORIZONTAL



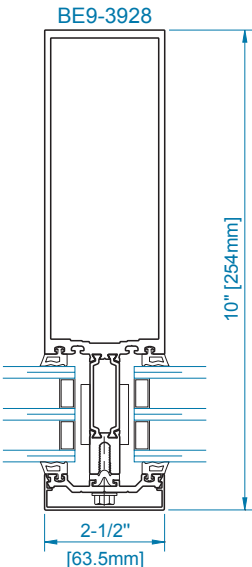
SECTION 3B
SILL w/ OPTIONAL SILL FLASHING



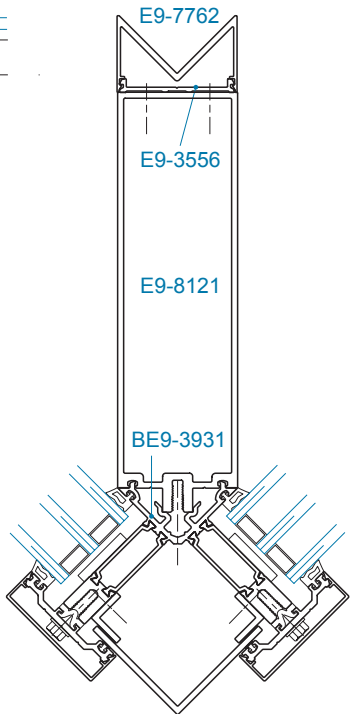
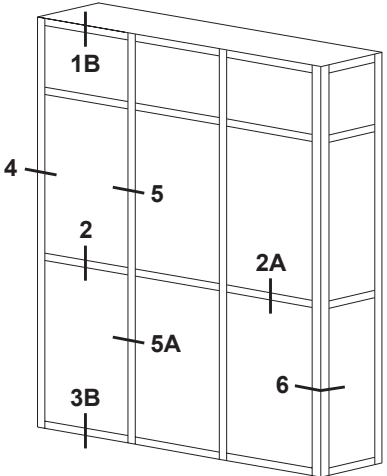
SECTION 4
JAMB



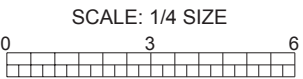
SECTION 5A
SSG VERTICAL



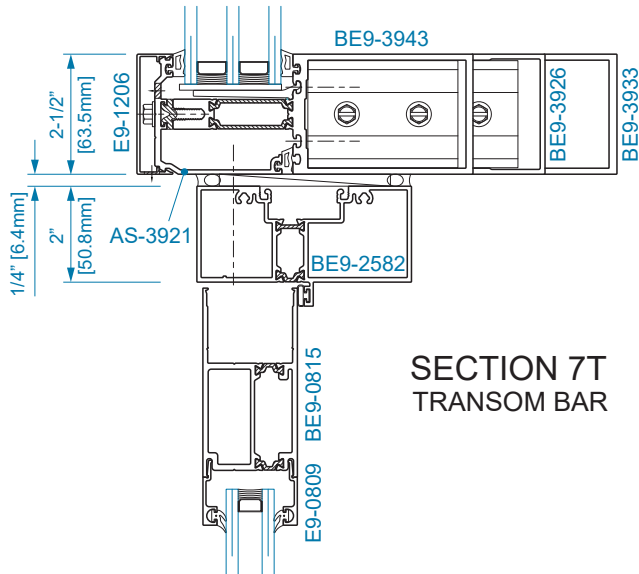
SECTION 5
VERTICAL



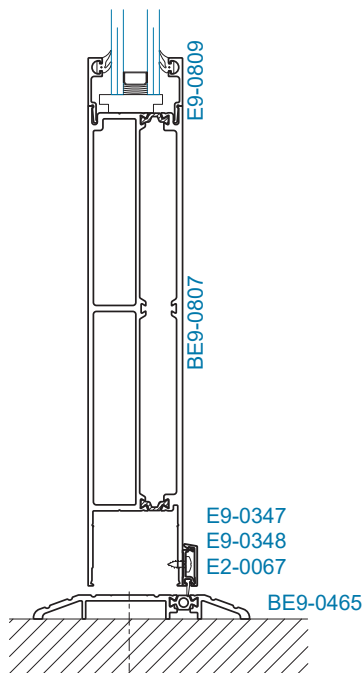
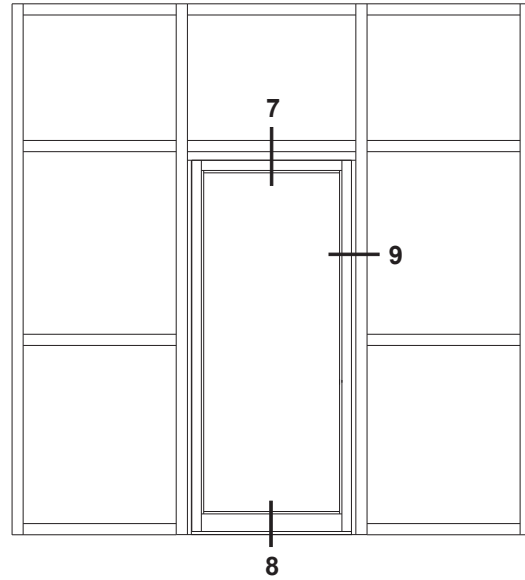
SECTION 6
90° OUTSIDE CORNER



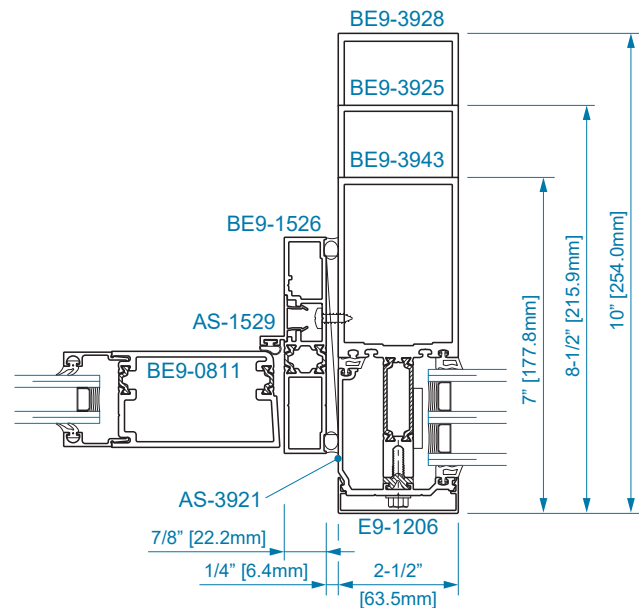
35T DOOR FRAMING MEMBERS FOR 2" GLAZING



**SECTION 7T
TRANSOM BAR**

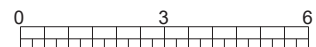


SECTION 8T



**SECTION 9T
DOOR JAMB**

SCALE: 1/4 SIZE

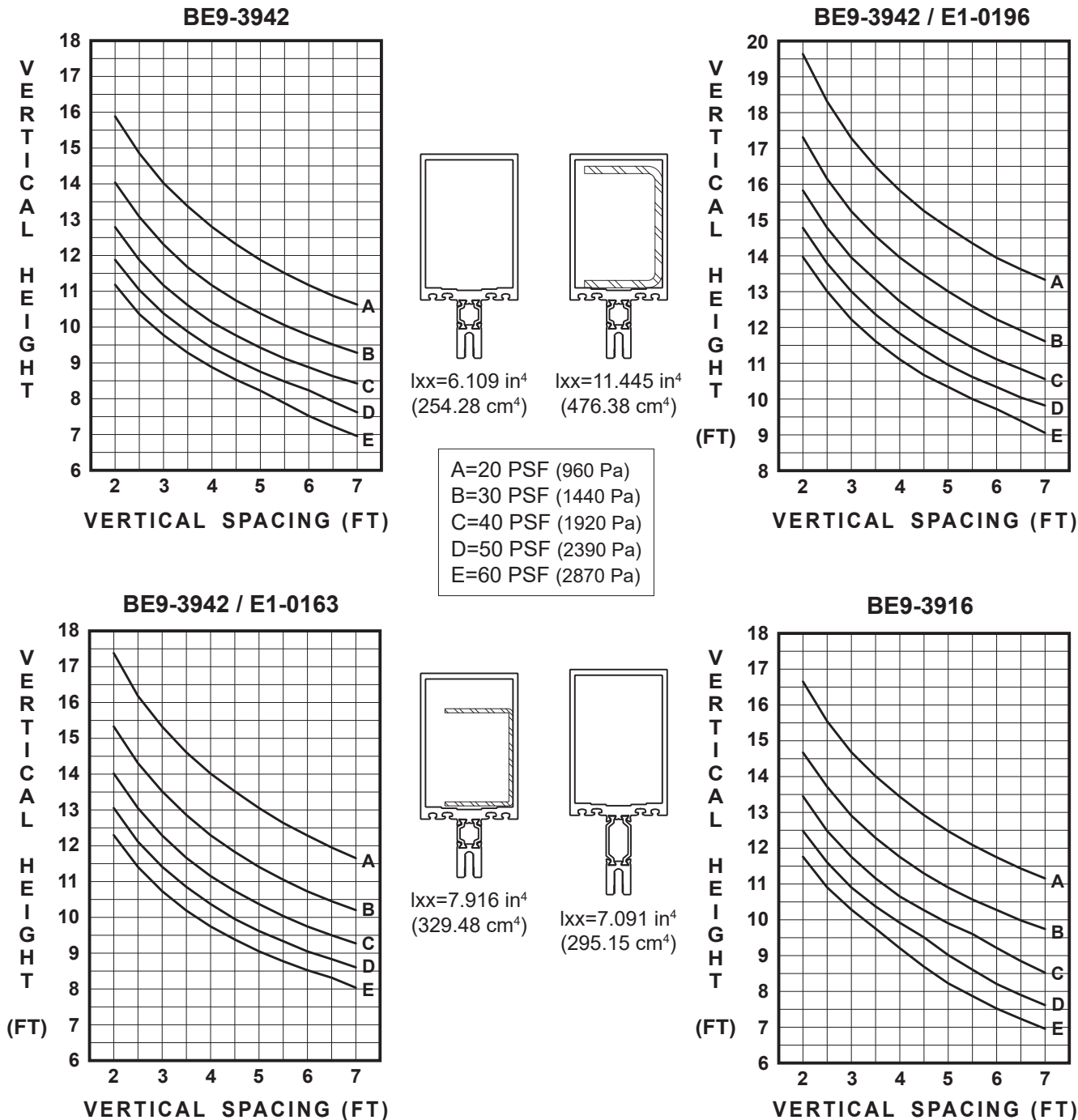


WIND LOAD CHARTS FOR SINGLE SPAN APPLICATIONS

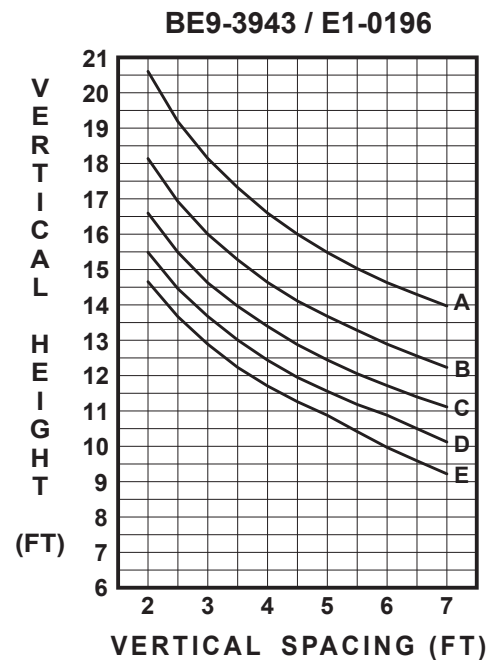
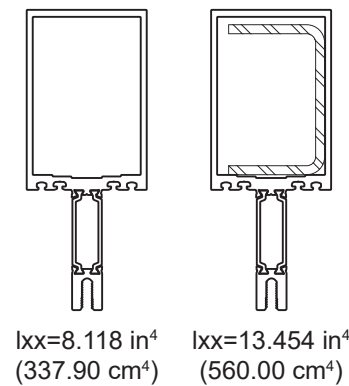
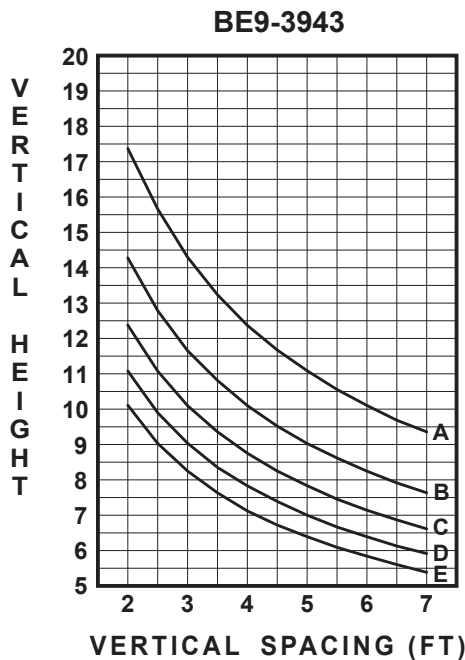
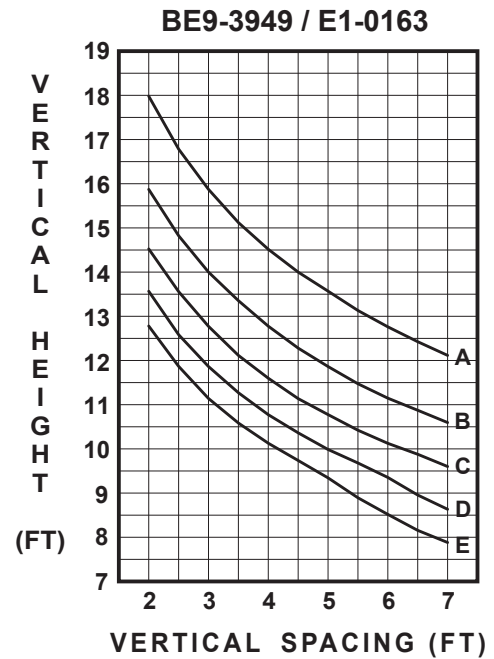
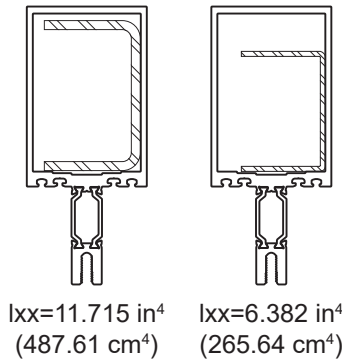
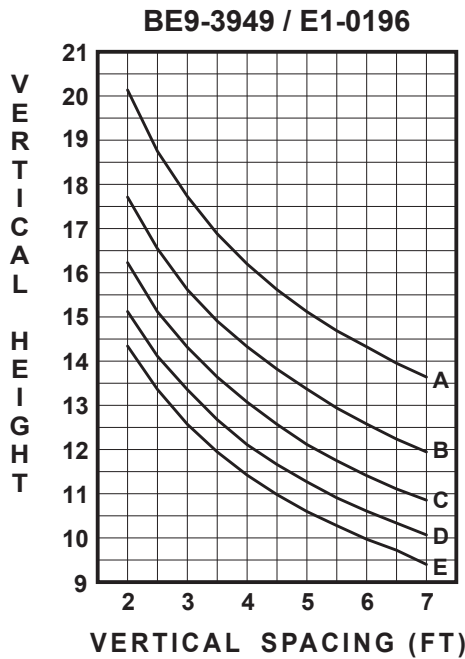
DEFLECTION CRITERIA AAMA TIR-A11 - L/175 or L/240 + 1/4" (6.4mm) - FOR SPANS GREATER THAN 13'-6" (4.1m)
BUT LESS THAN 40'-0" (12.2m)
CODES AND SPECIFICATIONS MAY VARY, NO SINGLE LITE OF GLASS SHALL DEFLECT
MORE THAN 3/4" (19.1mm)

ALLOWABLE WIND LOAD STRESS
YKK AP tested standard. Contact YKK AP for more information.

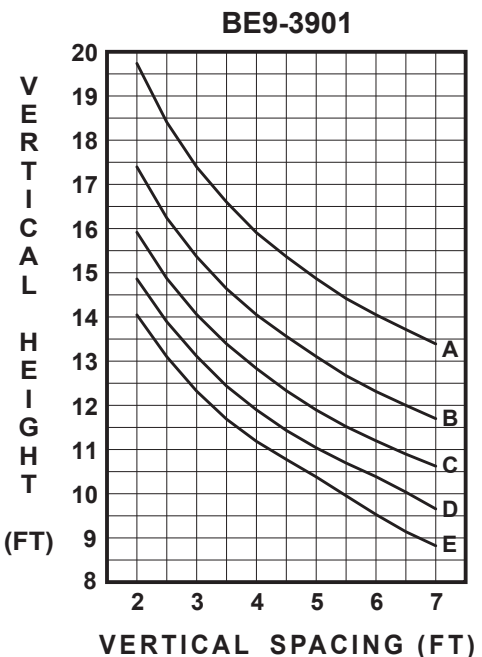
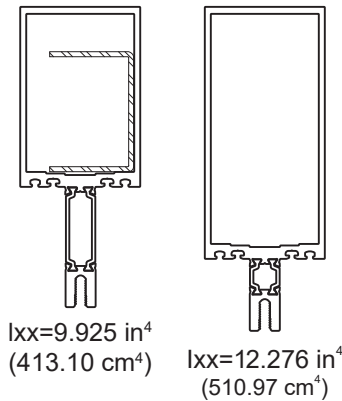
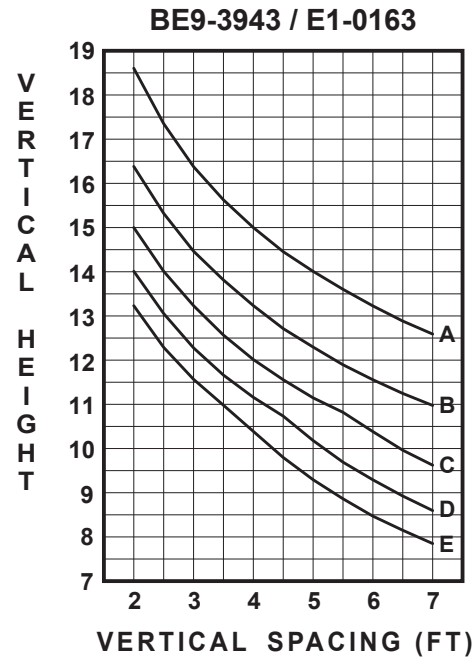
These charts include unbraced length analysis and are based off at least one horizontal being placed at the midpoint of the span.
For other applications, please contact YKK AP engineers at 1-866-955-2732.



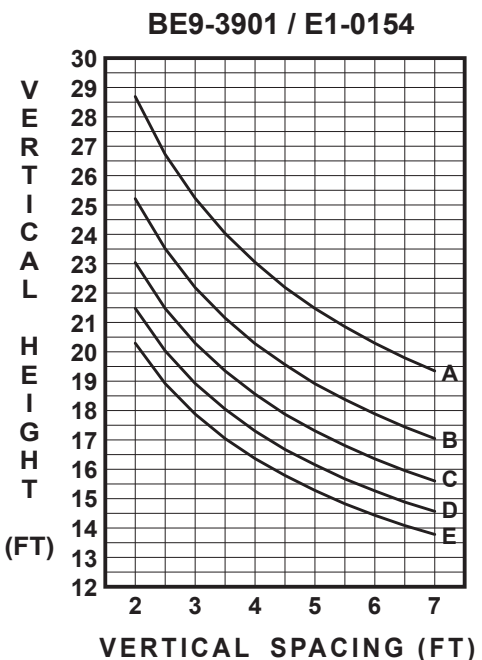
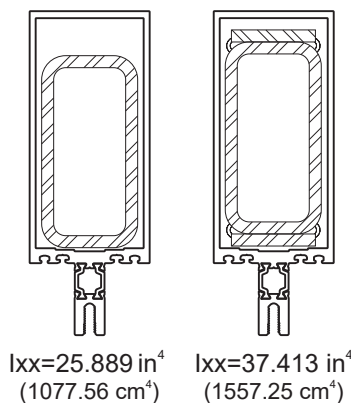
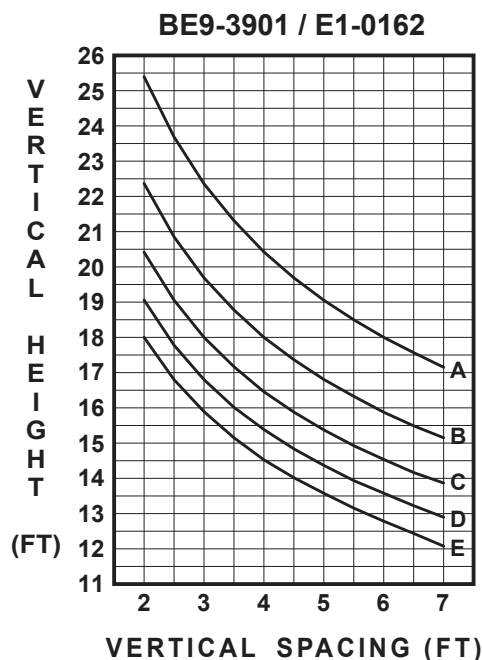
WIND LOAD CHARTS FOR SINGLE SPAN APPLICATIONS



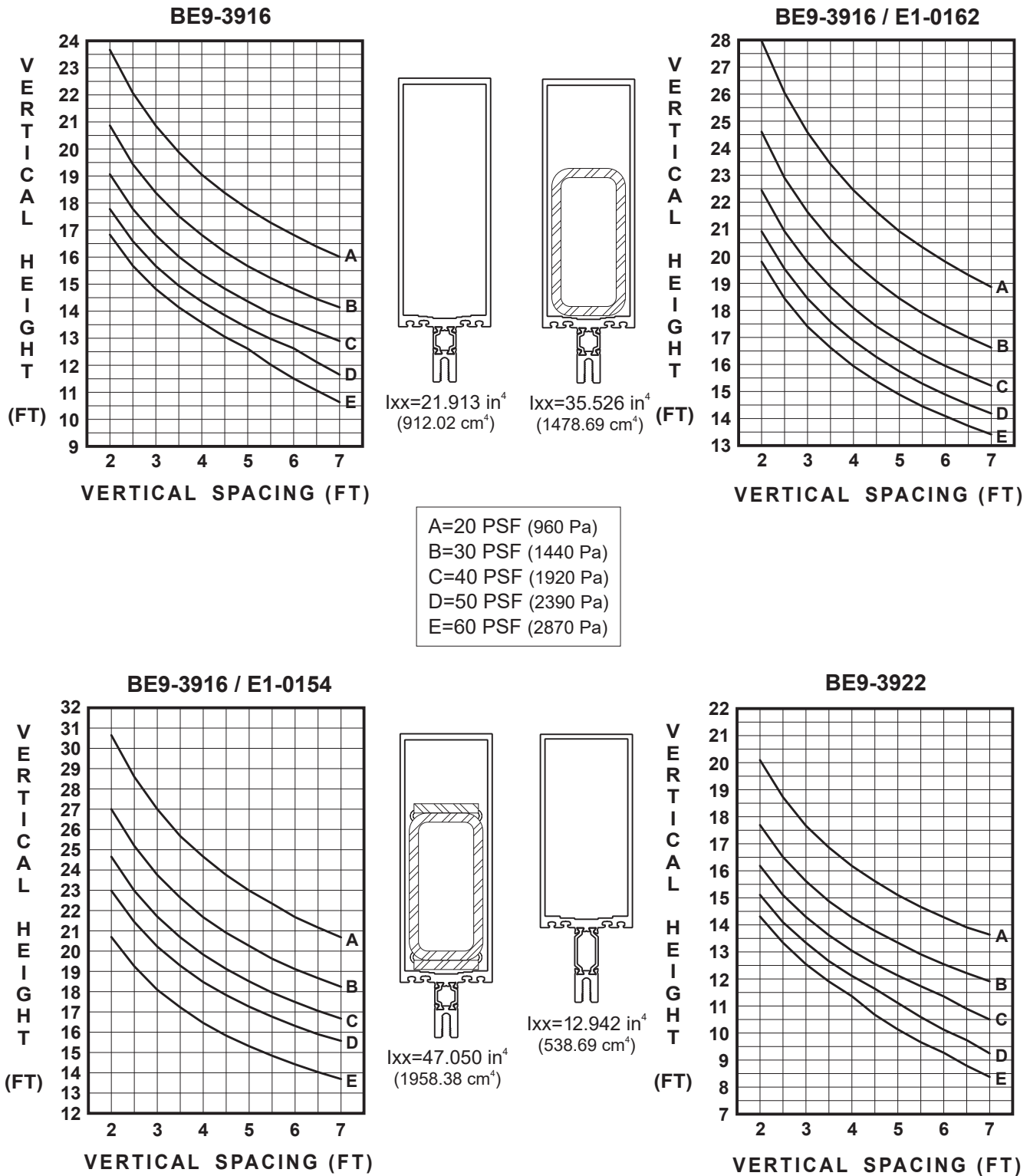
WIND LOAD CHARTS FOR SINGLE SPAN APPLICATIONS



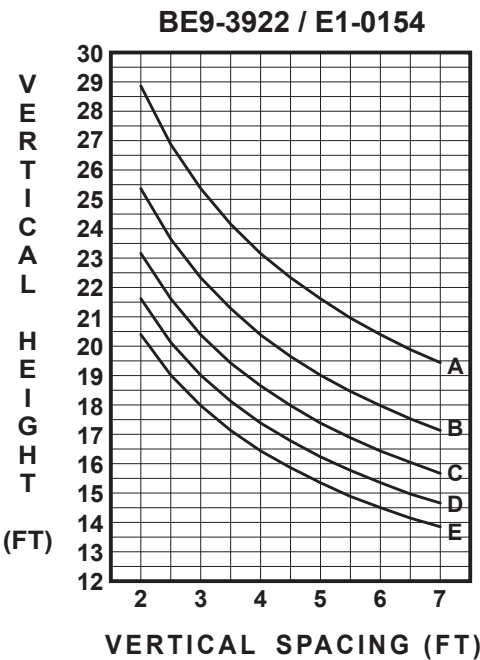
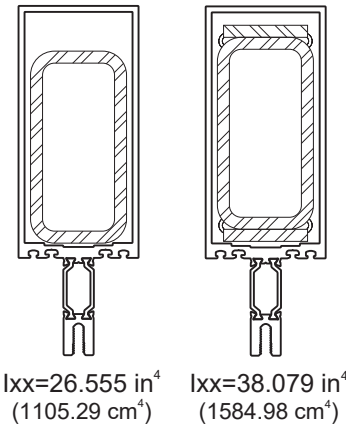
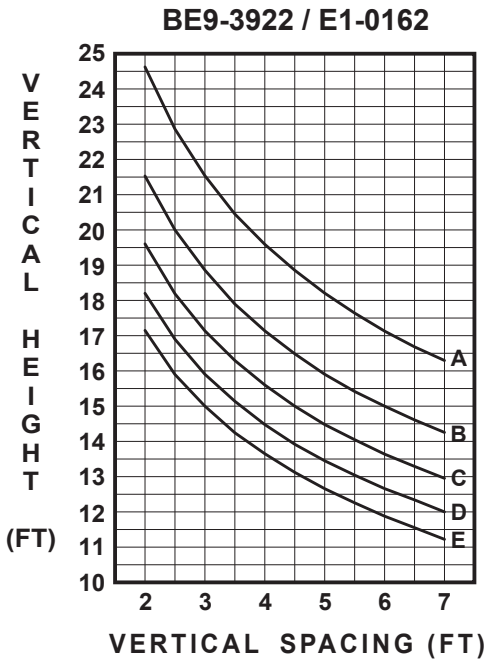
A=20 PSF (960 Pa)
B=30 PSF (1440 Pa)
C=40 PSF (1920 Pa)
D=50 PSF (2390 Pa)
E=60 PSF (2870 Pa)



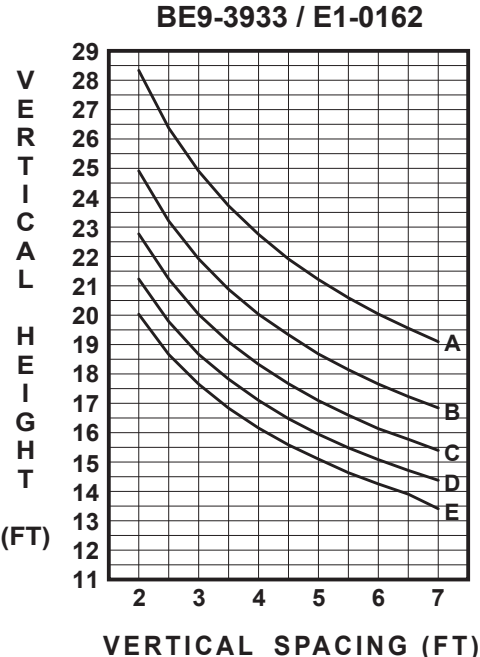
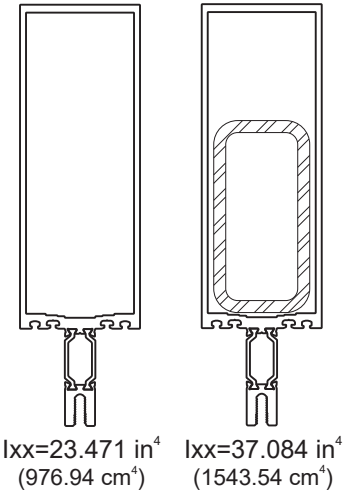
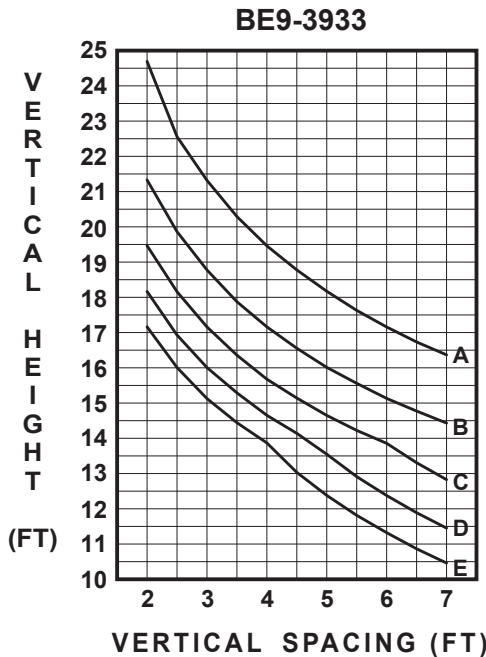
WIND LOAD CHARTS FOR SINGLE SPAN APPLICATIONS



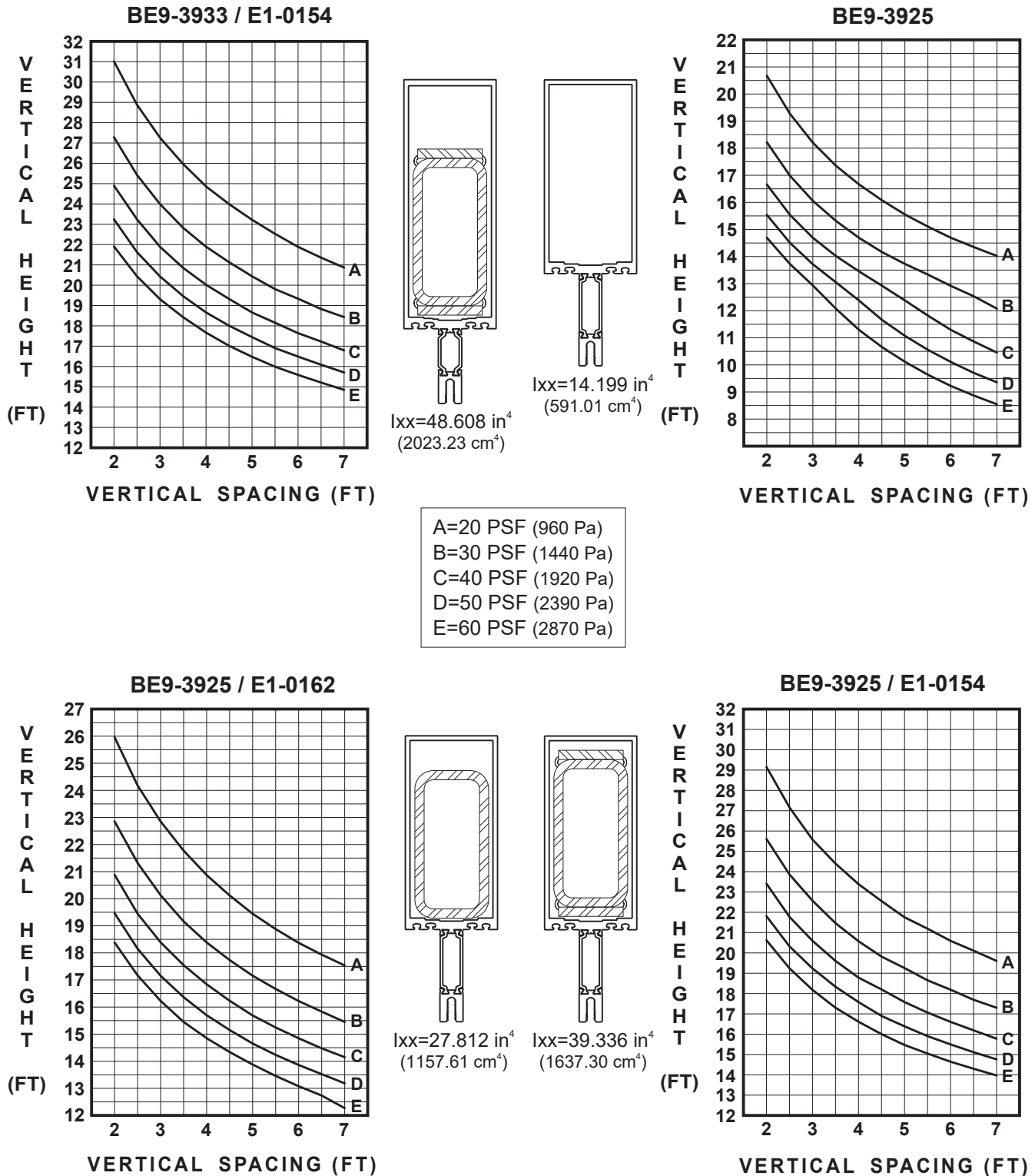
WIND LOAD CHARTS FOR SINGLE SPAN APPLICATIONS



A=20 PSF (960 Pa)
B=30 PSF (1440 Pa)
C=40 PSF (1920 Pa)
D=50 PSF (2390 Pa)
E=60 PSF (2870 Pa)



WIND LOAD CHARTS FOR SINGLE SPAN APPLICATIONS



WIND LOAD CHARTS FOR SINGLE SPAN APPLICATIONS

