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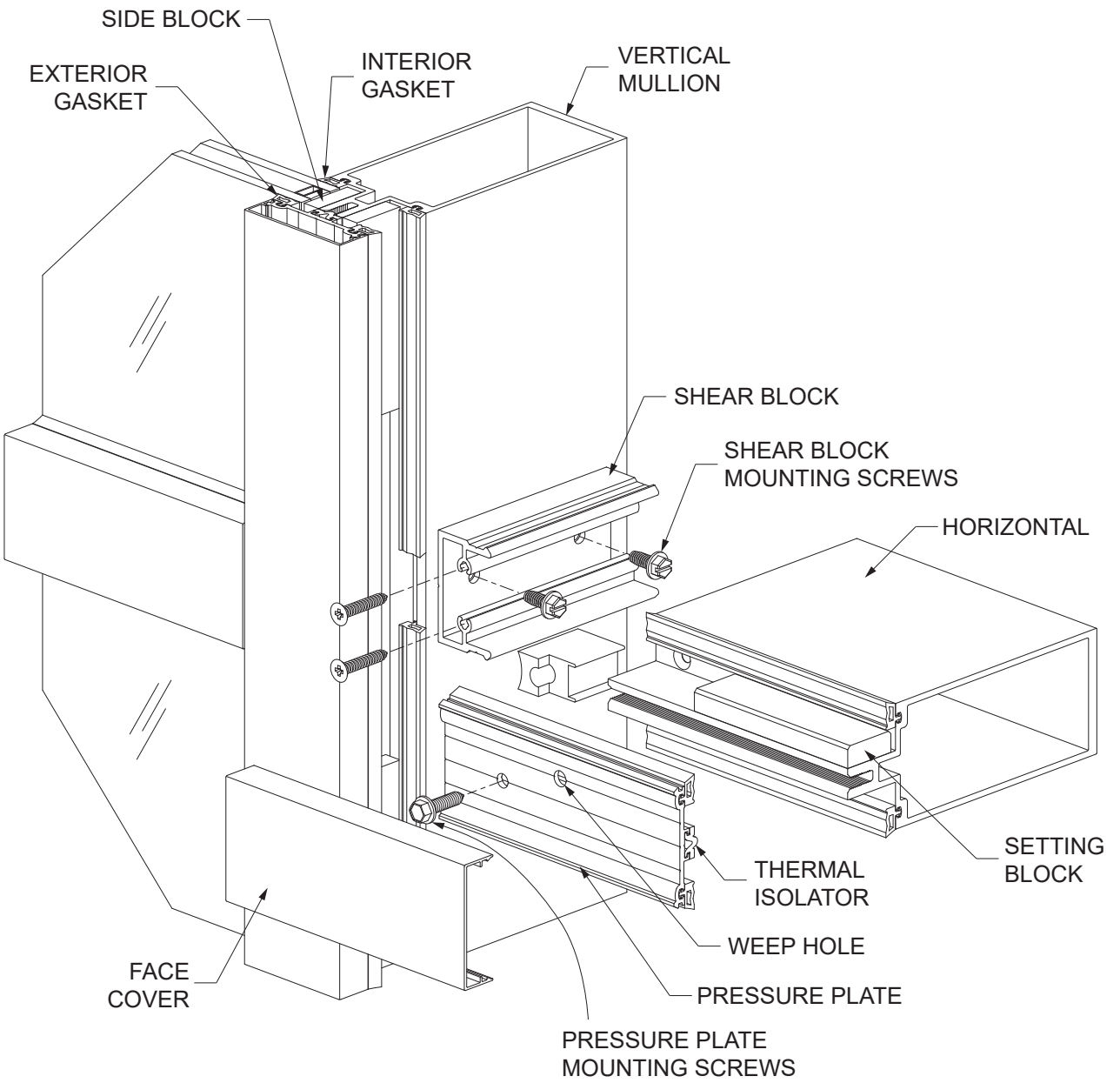
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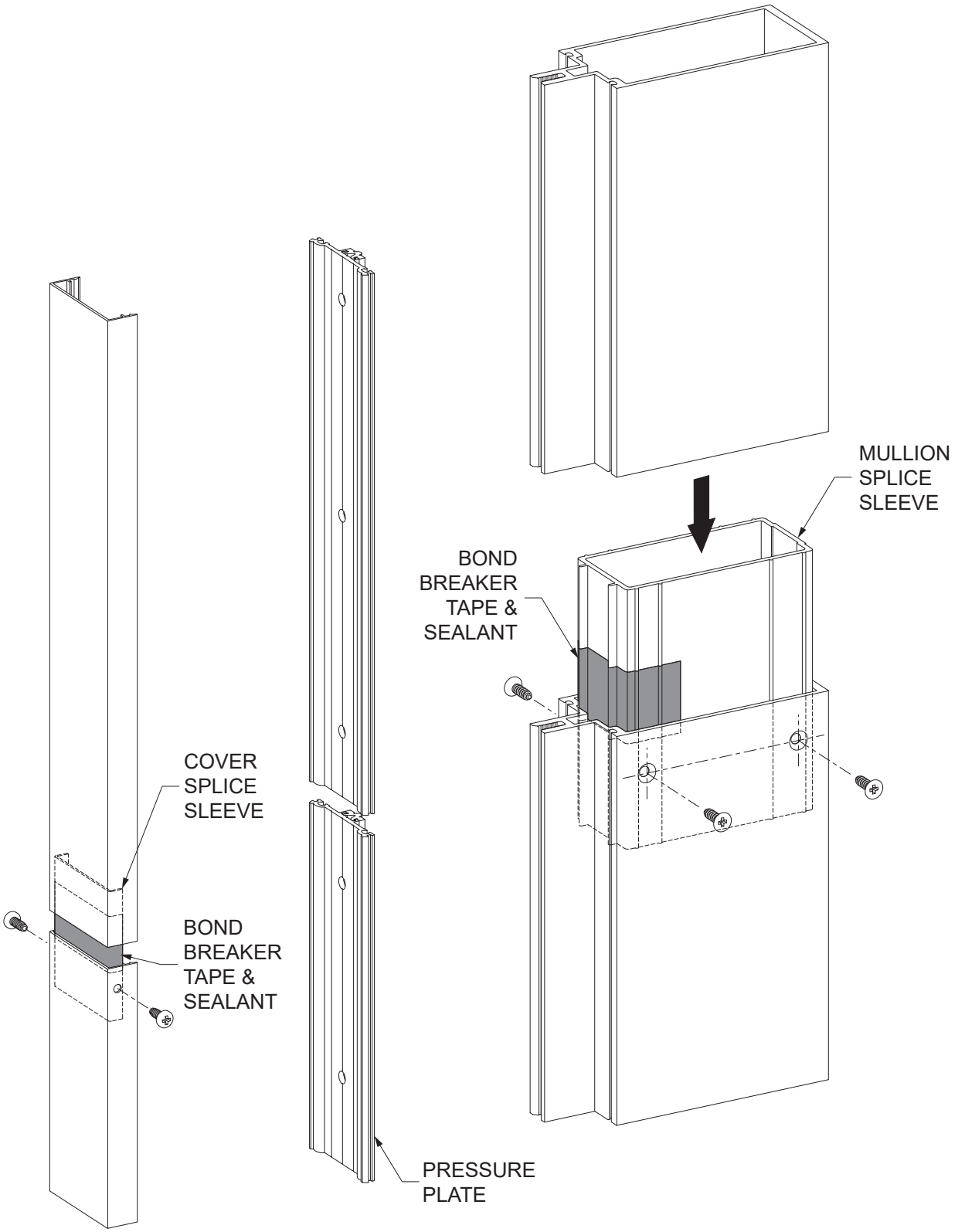
WIND LOAD CHARTS ..... Page 18 to 20

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

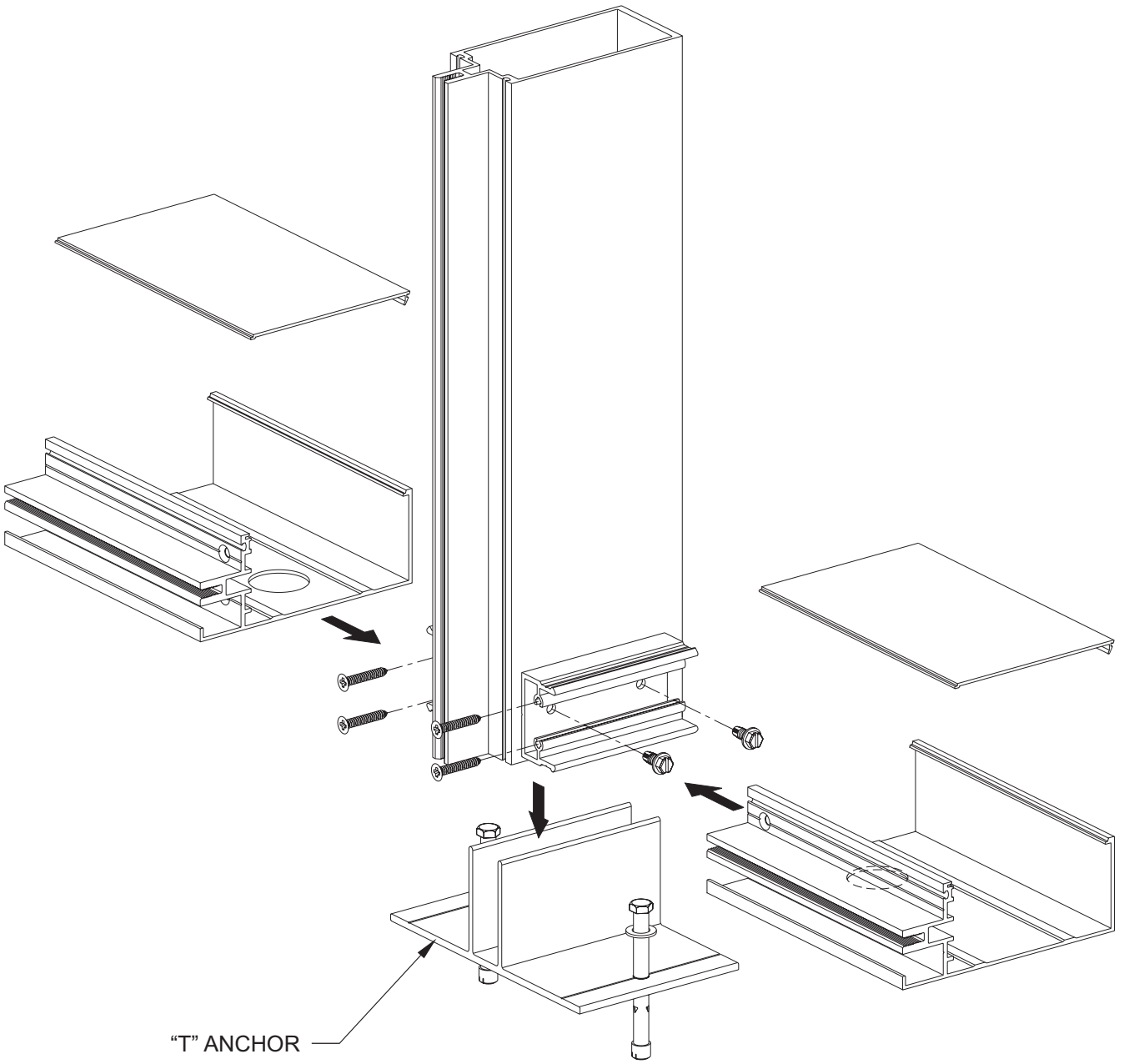
OUTSIDE GLAZED CURTAIN WALL SYSTEM



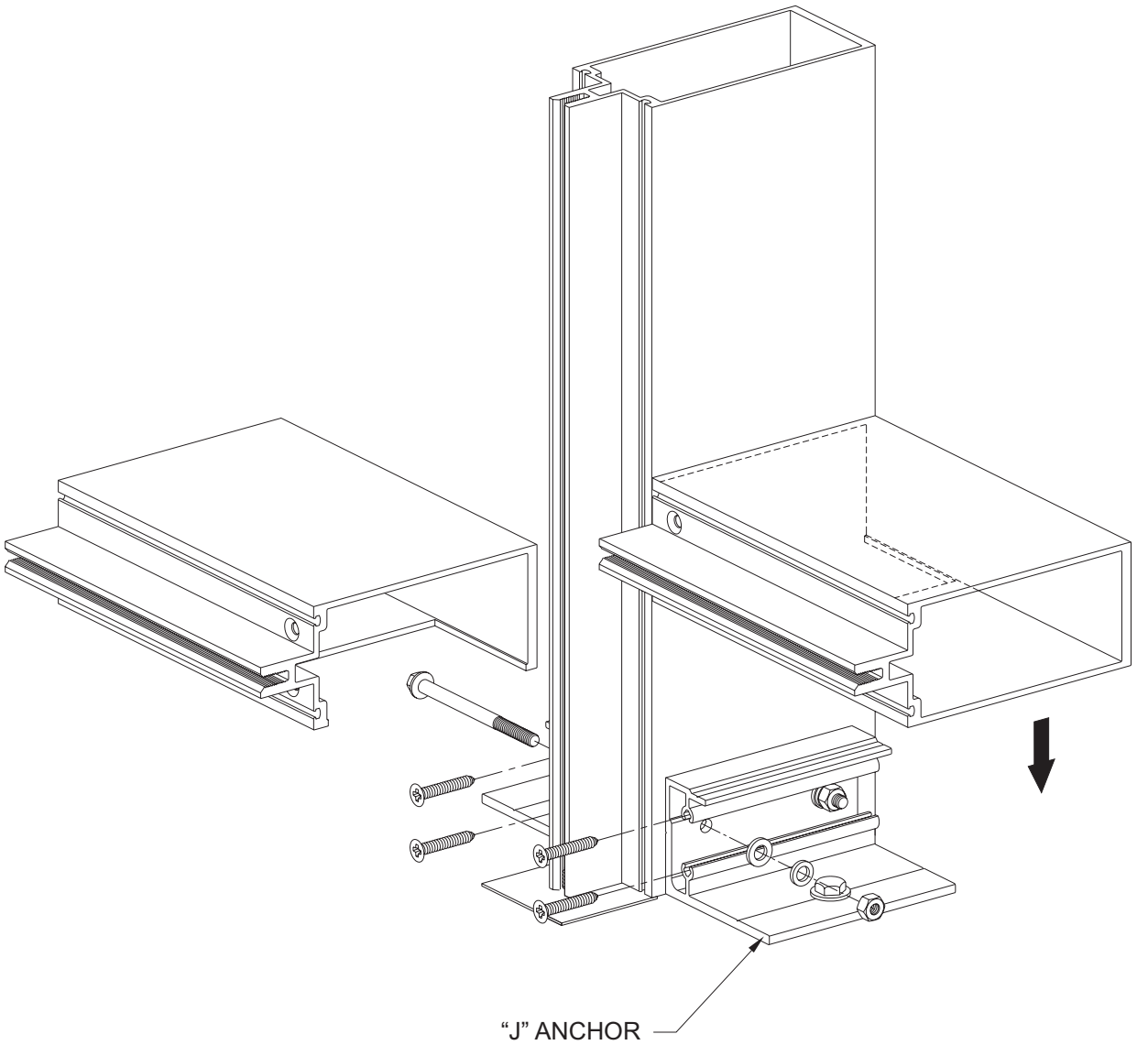
TYPICAL SPLICE CONDITION



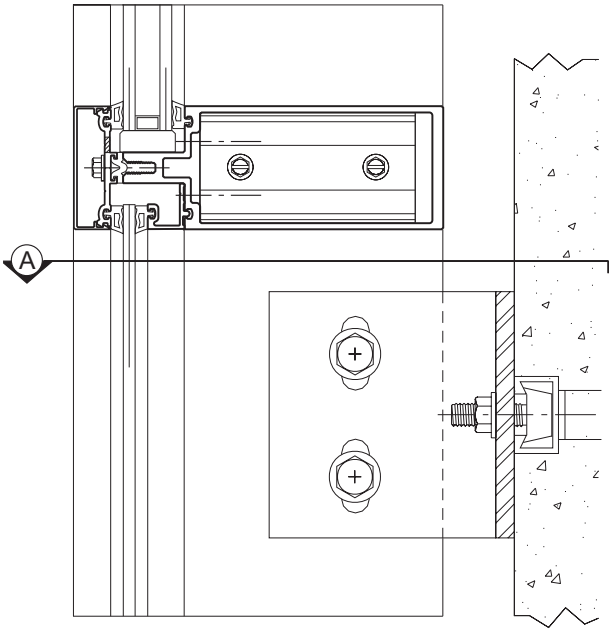
VERTICAL MULLION WITH “T” END ANCHOR



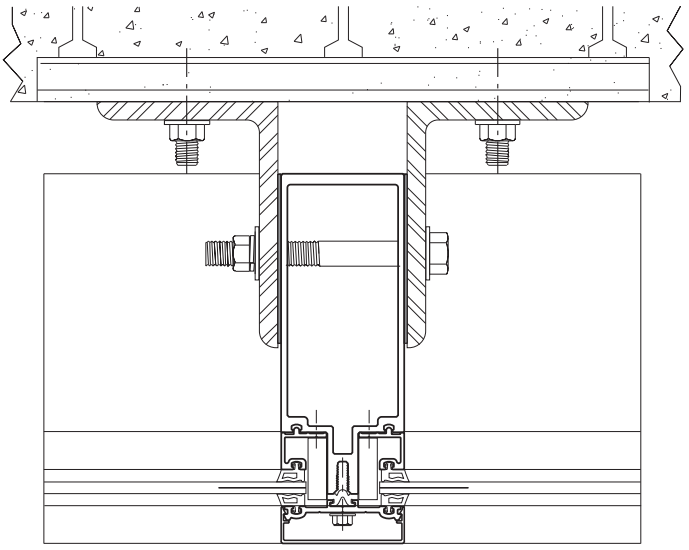
VERTICAL MULLION WITH “J” END ANCHOR



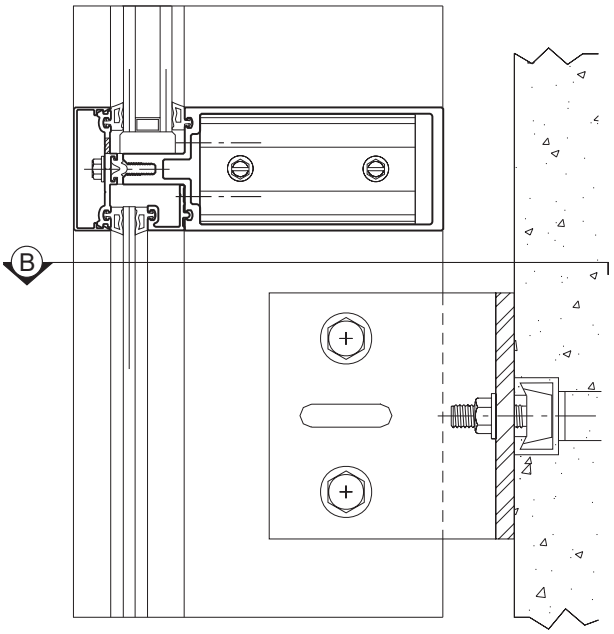
TYPICAL MID ANCHORS FOR WIND LOAD & DEAD LOAD



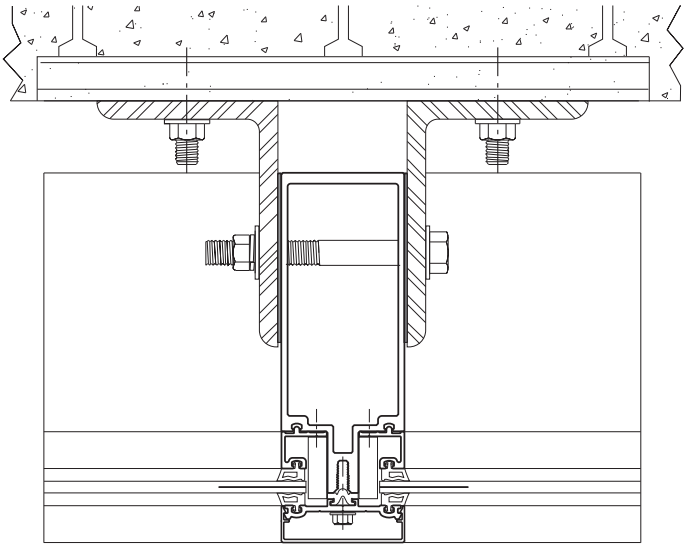
TYPICAL WIND LOAD ANCHOR



SECTION A



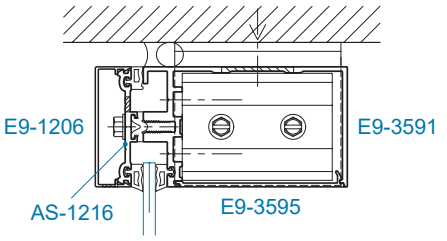
TYPICAL DEAD LOAD ANCHOR



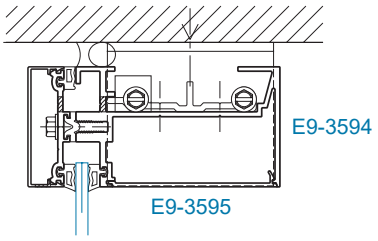
SECTION B

SCALE: 1/4 SIZE

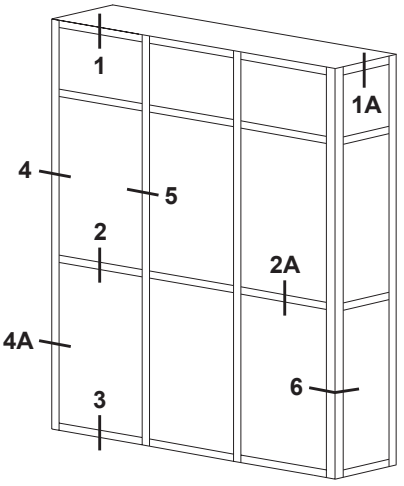
STANDARD FRAMING MEMBERS FOR 1/4" GLAZING

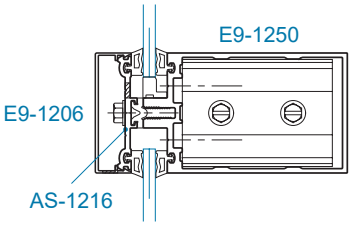


SECTION 1
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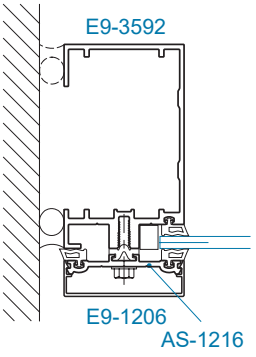


SECTION 1A
INCIDENTAL WATER HEAD

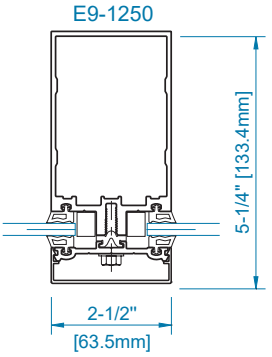




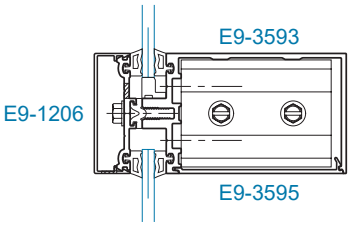
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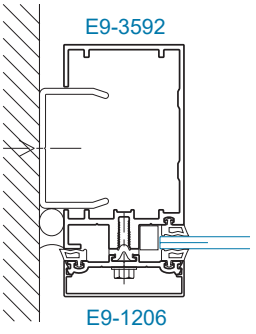
SECTION 4
OPEN BACK JAMB



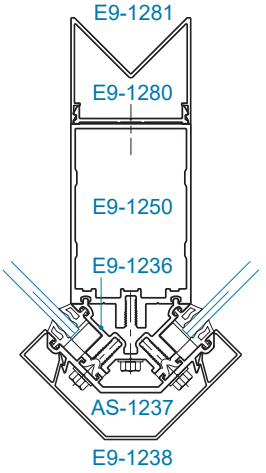
SECTION 5
VERTICAL



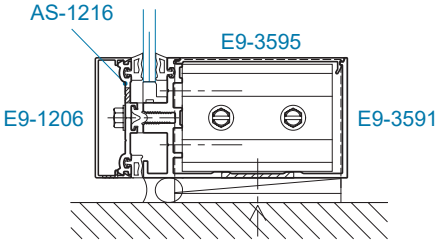
SECTION 2A
OPEN BACK HORIZONTAL



SECTION 4A
OPEN BACK JAMB
w/ JAMB ANCHOR CLIP

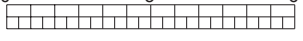


SECTION 6
90° OUTSIDE CORNER

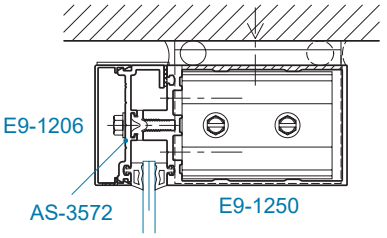


SECTION 3
OPEN BACK SILL

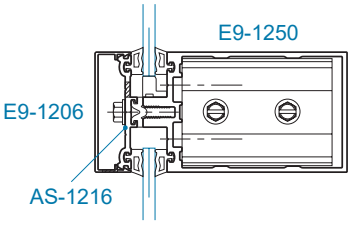
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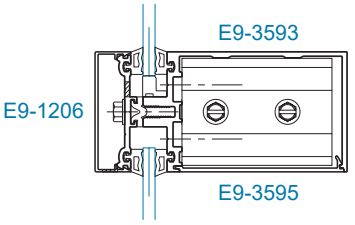
OPTIONAL FRAMING MEMBERS FOR 1/4" GLAZING



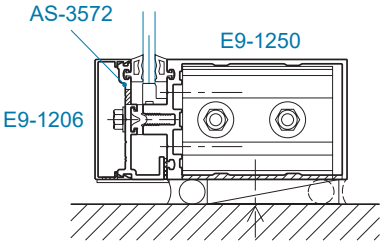
SECTION 1B
OPTIONAL HEAD



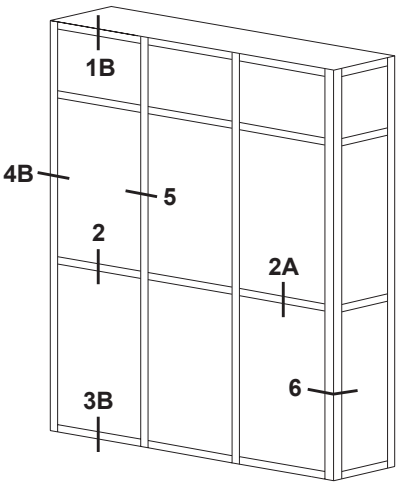
SECTION 2
HORIZONTAL

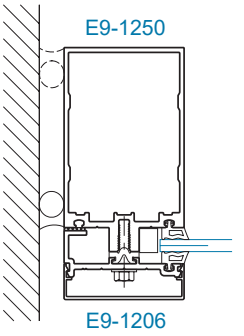


SECTION 2A
OPEN BACK HORIZONTAL

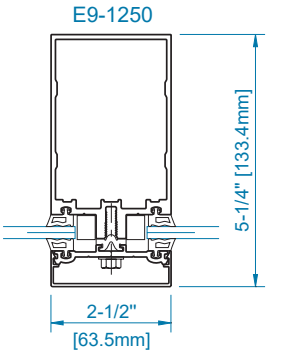


SECTION 3B
OPTIONAL SILL
w/ "J"ANCHOR

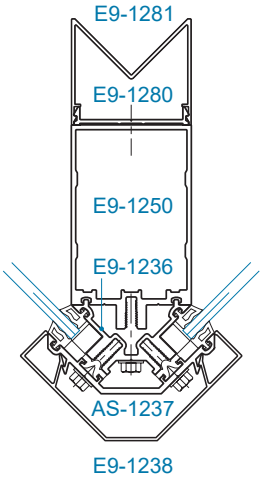




SECTION 4B
OPTIONAL JAMB

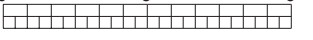


SECTION 5
VERTICAL

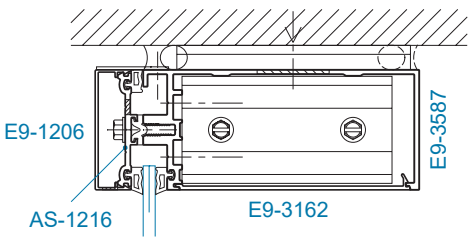


SECTION 6
90° OUTSIDE CORNER

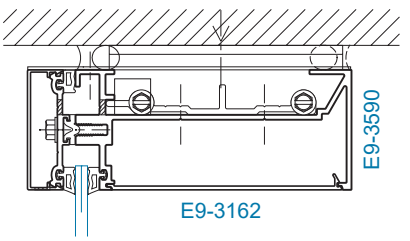
SCALE: 1/4 SIZE



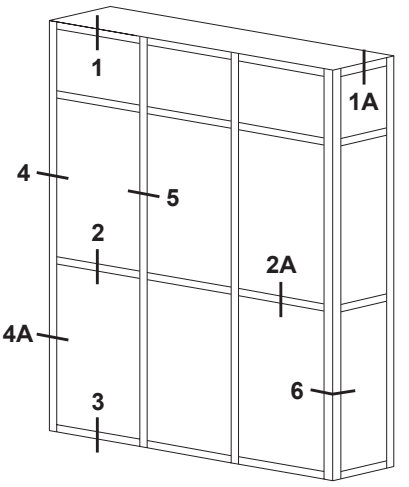
STANDARD FRAMING MEMBERS FOR 1/4" GLAZING

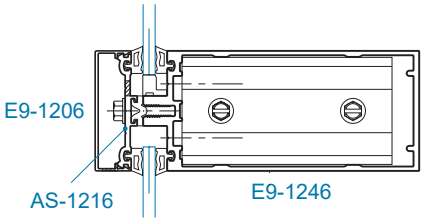


SECTION 1
OPEN BACK HEAD

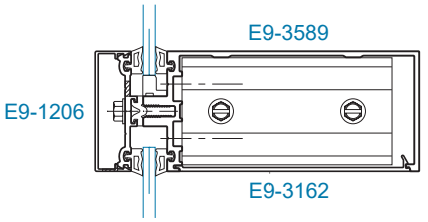


SECTION 1A
INCIDENTAL WATER HEAD

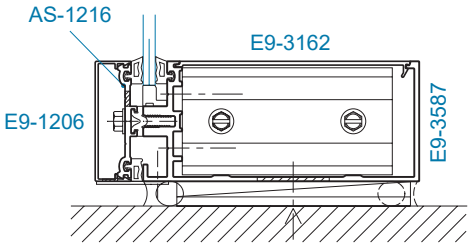




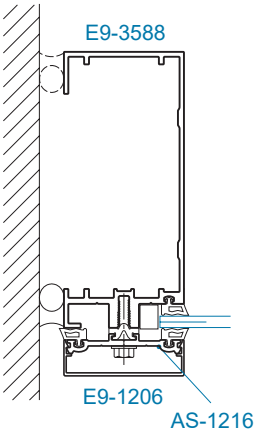
SECTION 2
HORIZONTAL



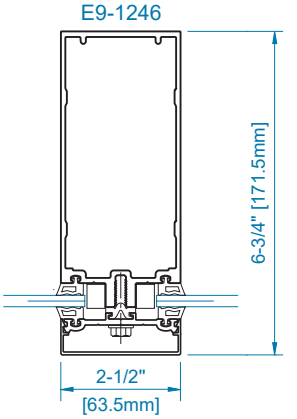
SECTION 2A
OPEN BACK HORIZONTAL



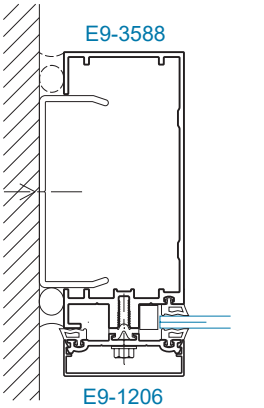
SECTION 3
OPEN BACK SILL



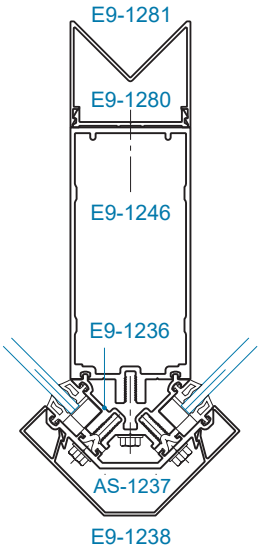
SECTION 4
OPEN BACK JAMB



SECTION 5
VERTICAL



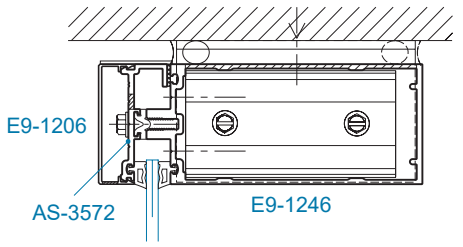
SECTION 4A
OPEN BACK JAMB
w/ JAMB ANCHOR CLIP



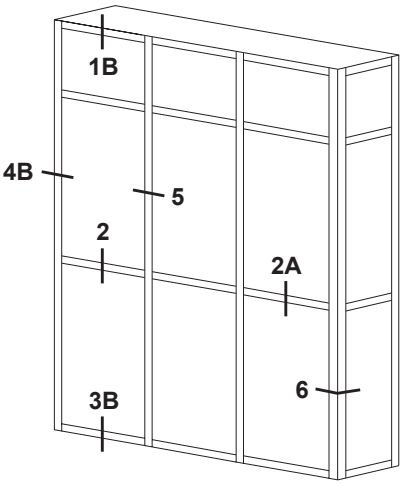
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90° OUTSIDE CORNER

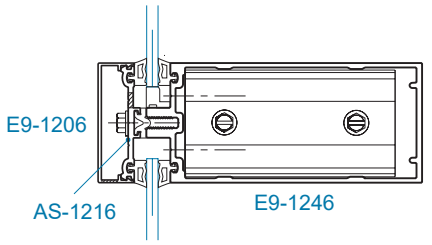
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0 3 6

OPTIONAL FRAMING MEMBERS FOR 1/4" GLAZING

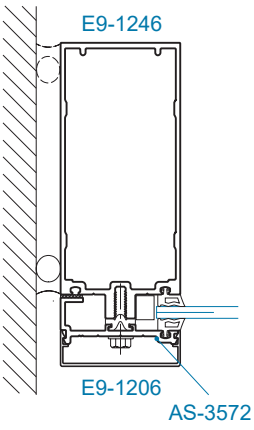


SECTION 1B
OPTIONAL HEAD

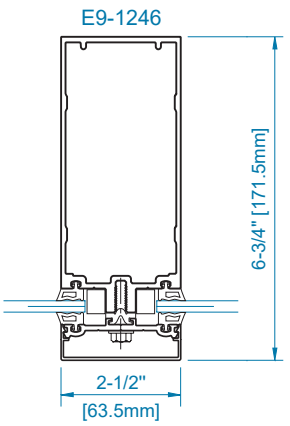




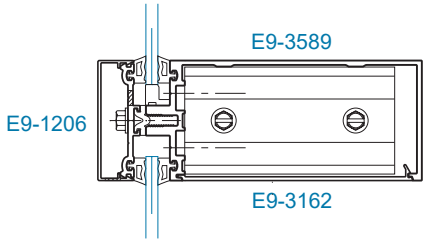
SECTION 2
HORIZONTAL



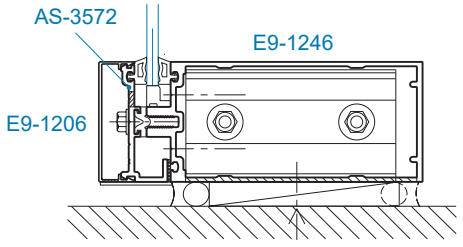
SECTION 4B
OPTIONAL JAMB



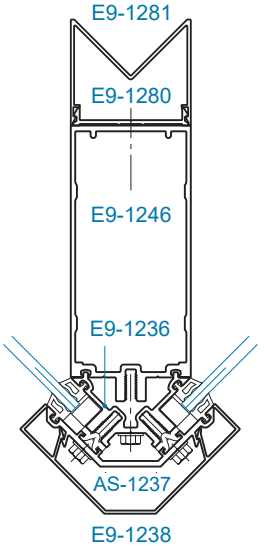
SECTION 5
VERTICAL



SECTION 2A
OPEN BACK HORIZONTAL

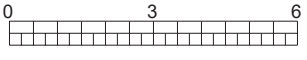


SECTION 3B
OPTIONAL SILL
w/ "J" ANCHOR

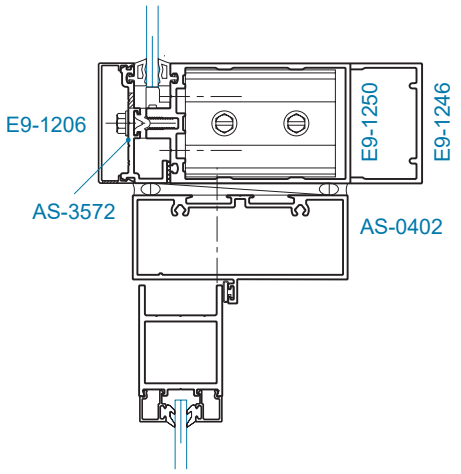


SECTION 6
90° OUTSIDE CORNER

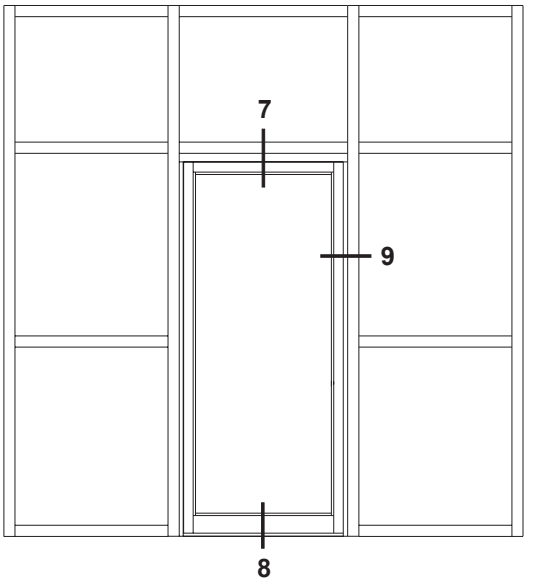
SCALE: 1/4 SIZE

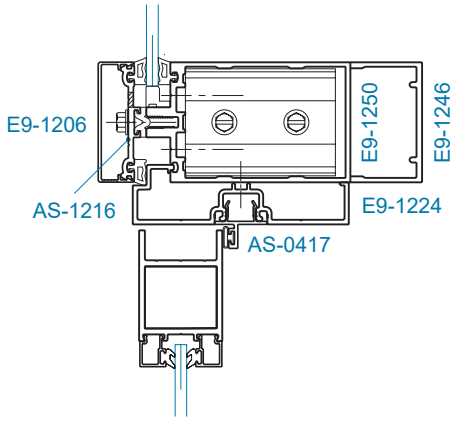


DOOR FRAMING MEMBERS FOR 1/4" GLAZING

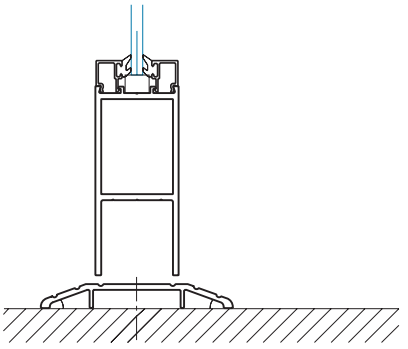


SECTION 7
TRANSOM BAR

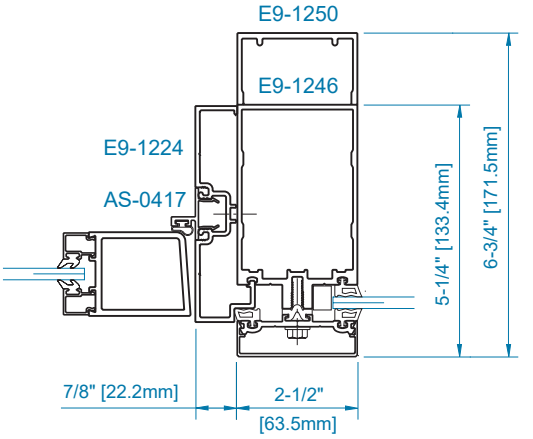




SECTION 7A
OPTIONAL TRANSOM BAR
(Limited Hardware Applications)



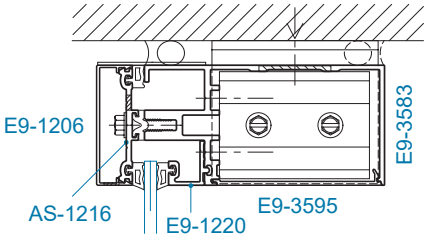
SECTION 8
BOTTOM RAIL



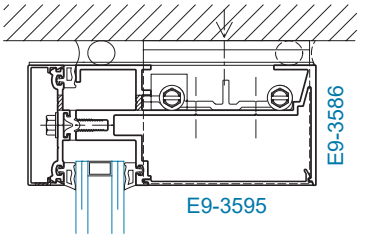
SECTION 9
DOOR JAMB

SCALE: 1/4 SIZE
0 3 6

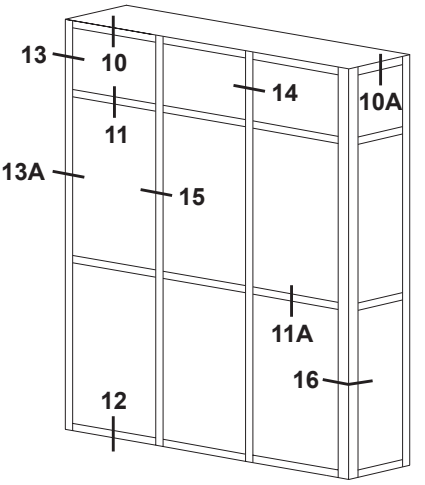
STANDARD FRAMING MEMBERS FOR 1" GLAZING

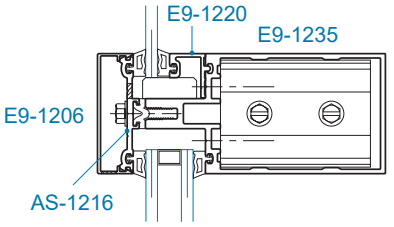


SECTION 10
OPEN BACK HEAD
(1/4" GI.)

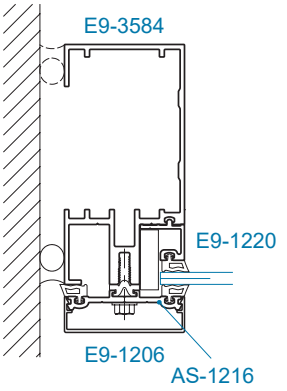


SECTION 10A
INCIDENTAL WATER HEAD
(1" GI.)

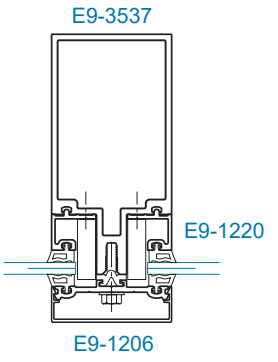




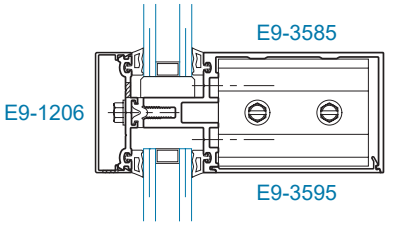
SECTION 11
HORIZONTAL
(1/4" GI./1" GI.)



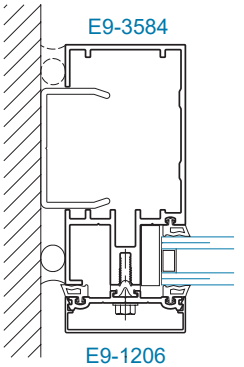
SECTION 13
OPEN BACK JAMB
(1/4" GI.)



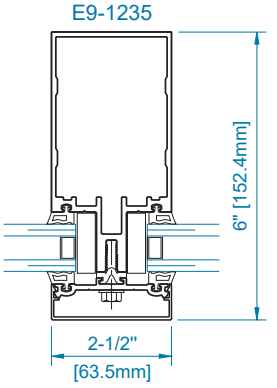
SECTION 14
HEAVY DUTY
VERTICAL (1/4" GI.)



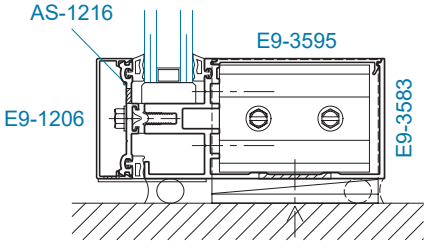
SECTION 11A
OPEN BACK HORIZONTAL
(1" GI./1" GI.)



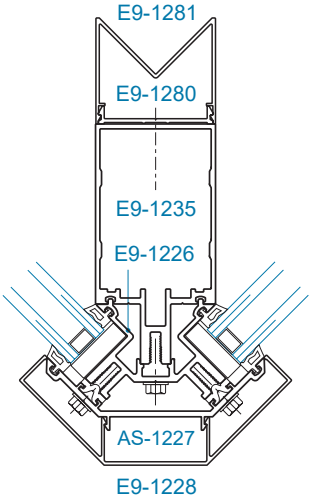
SECTION 13A
OPEN BACK JAMB
w/ JAMB ANCHOR
CLIP (1" GI.)



SECTION 15
VERTICAL
(1" GI.)



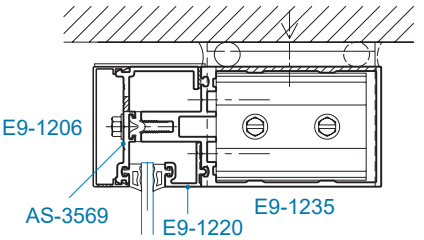
SECTION 12
OPEN BACK SILL
(1" GI.)



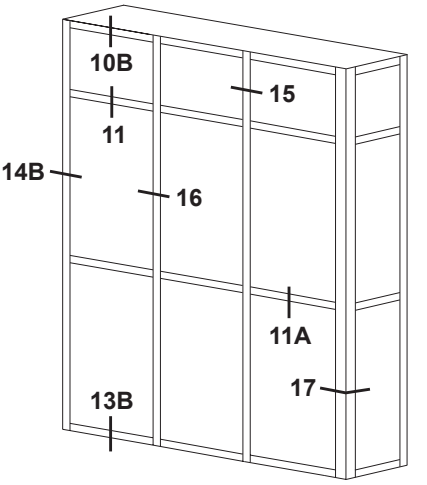
SECTION 16
90° OUTSIDE CORNER
(1" GI.)

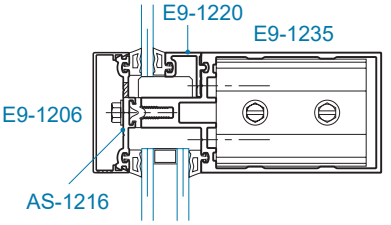
SCALE: 1/4 SIZE
0 3 6

OPTIONAL FRAMING MEMBERS FOR 1" GLAZING

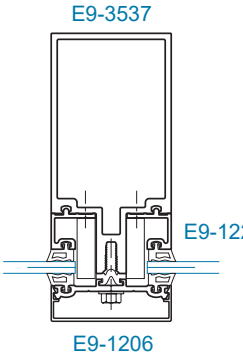


SECTION 10B
OPTIONAL HEAD
(1/4" GI.)

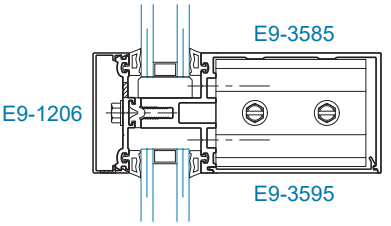




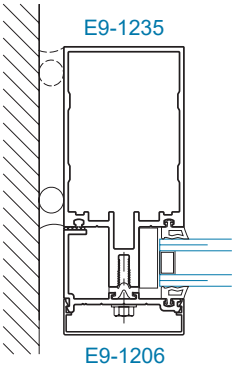
SECTION 11
HORIZONTAL
(1/4" GI./1" GI.)



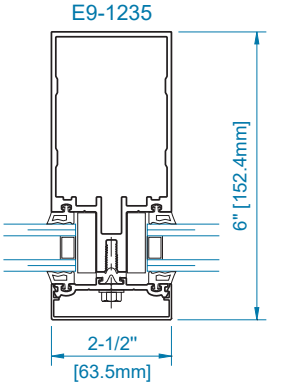
SECTION 15
HEAVY DUTY VERTICAL
(1/4" GI.)



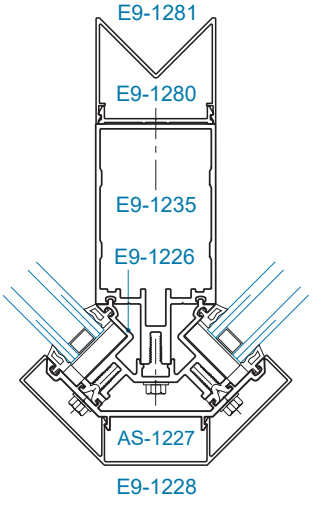
SECTION 11A
OPEN BACK HORIZONTAL
(1" GI./1" GI.)



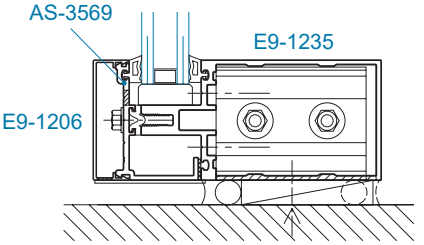
SECTION 14B
OPTIONAL JAMB
(1" GI.)



SECTION 16
VERTICAL
(1" GI.)

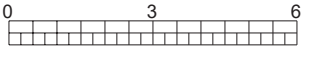


SECTION 17
90° OUTSIDE CORNER
(1" GI.)

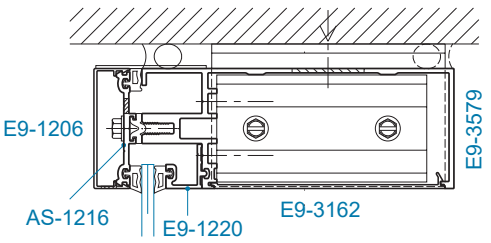


SECTION 13B
OPTIONAL SILL
(1" GI.)

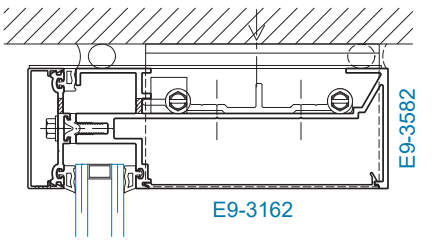
SCALE: 1/4 SIZE



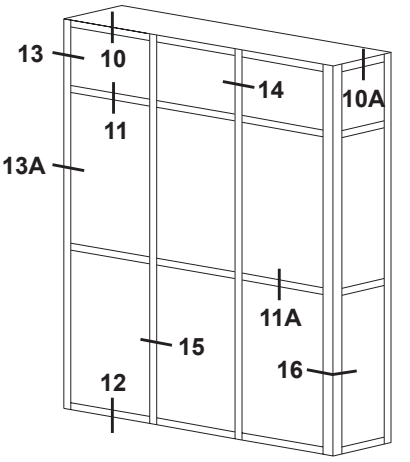
STANDARD FRAMING MEMBERS FOR 1" GLAZING

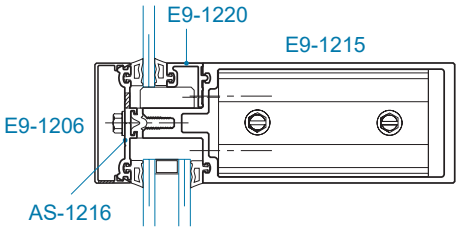


SECTION 10
OPEN BACK HEAD
(1/4" GI.)

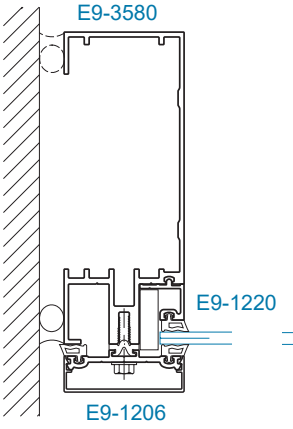


SECTION 10A
INCIDENTAL WATER HEAD
(1" GI.)

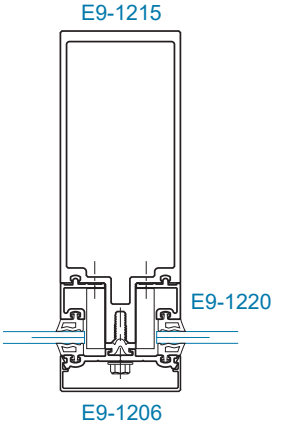




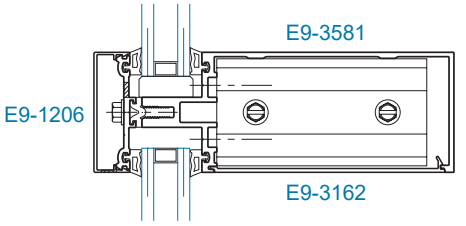
SECTION 11
HORIZONTAL
(1/4" GI./1" GI.)



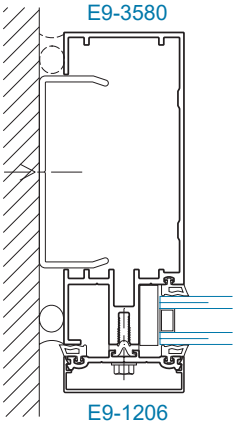
SECTION 13
OPEN BACK JAMB
(1/4" GI.)



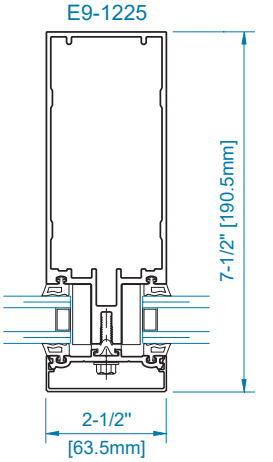
SECTION 14
HEAVY DUTY
VERTICAL
(1/4" GI.)



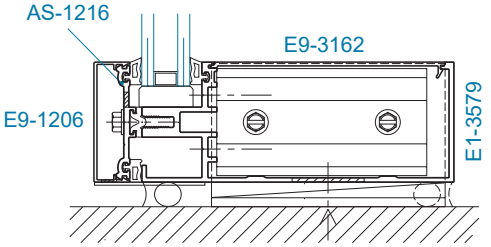
SECTION 11A
OPEN BACK HORIZONTAL
(1" GI./1" GI.)



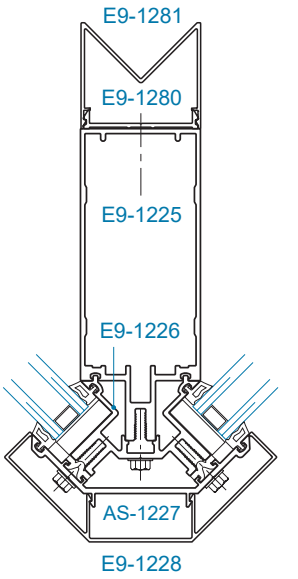
SECTION 13A
OPEN BACK JAMB
w/ JAMB ANCHOR
CLIP (1" GI.)



SECTION 15
VERTICAL
(1" GI.)



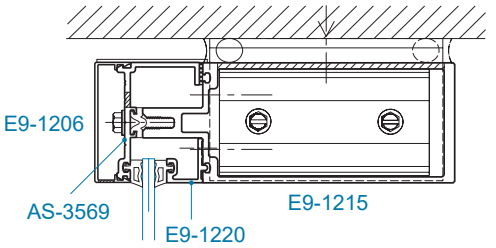
SECTION 12
OPEN BACK SILL
(1" GI.)



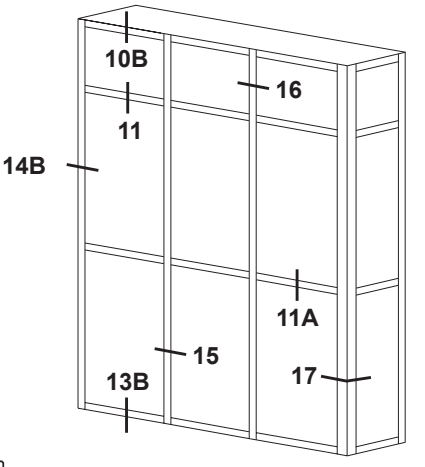
SECTION 16
90° OUTSIDE CORNER
(1" GI.)

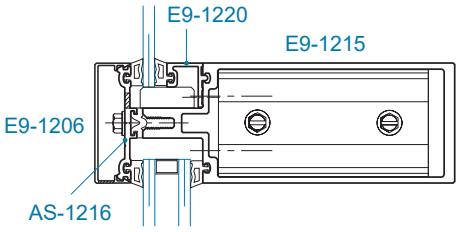
SCALE: 1/4 SIZE
0 3 6

OPTIONAL FRAMING MEMBERS FOR 1" GLAZING

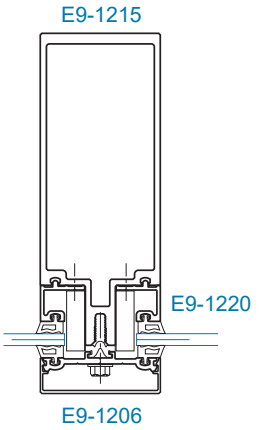


SECTION 10B
OPTIONAL HEAD (1/4" GI.)

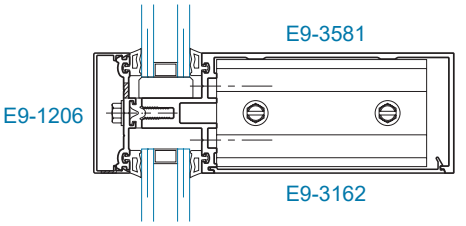




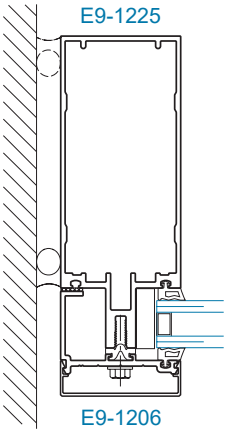
SECTION 11
HORIZONTAL
(1/4" GI./1" GI.)



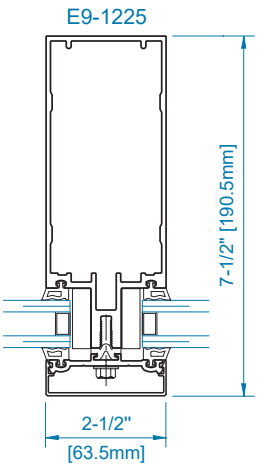
SECTION 16
HEAVY DUTY
VERTICAL
(1/4" GI.)



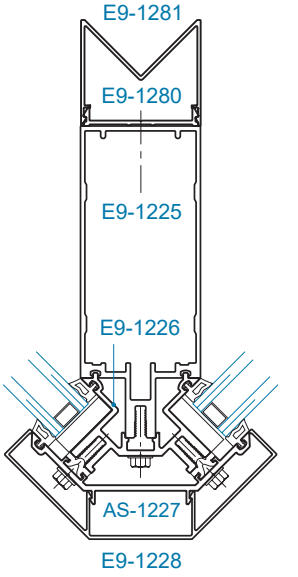
SECTION 11A
OPEN BACK HORIZONTAL
(1" GI./1" GI.)



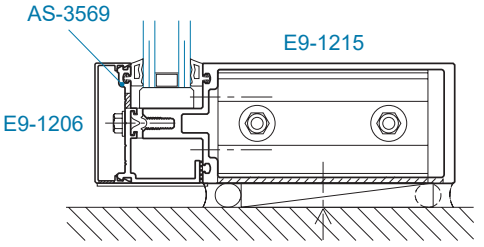
SECTION 14B
OPTIONAL JAMB
(1" GI.)



SECTION 15
VERTICAL
(1" GI.)



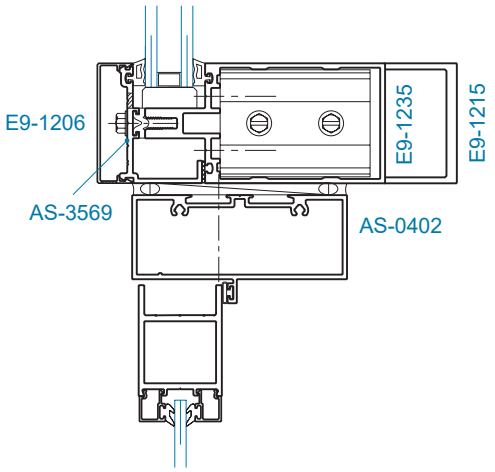
SECTION 17
90° OUTSIDE CORNER
(1" GI.)



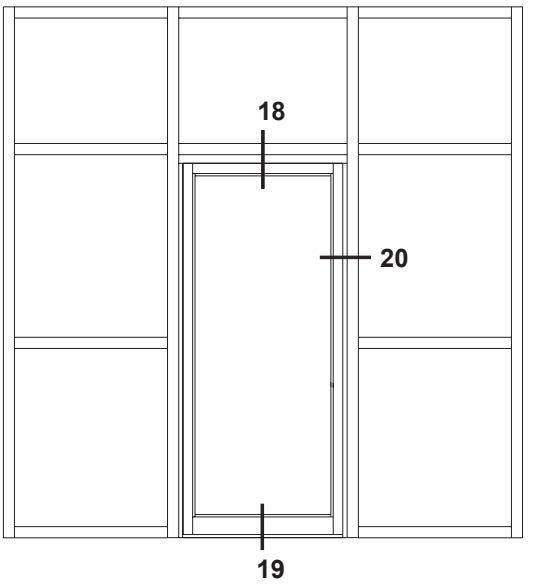
SECTION 13B
OPTIONAL SILL
w/ "J" ANCHOR (1" GI.)

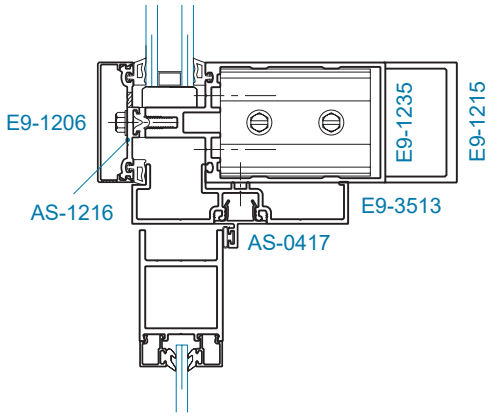
SCALE: 1/4 SIZE
0 3 6

DOOR FRAMING MEMBERS FOR 1" GLAZING

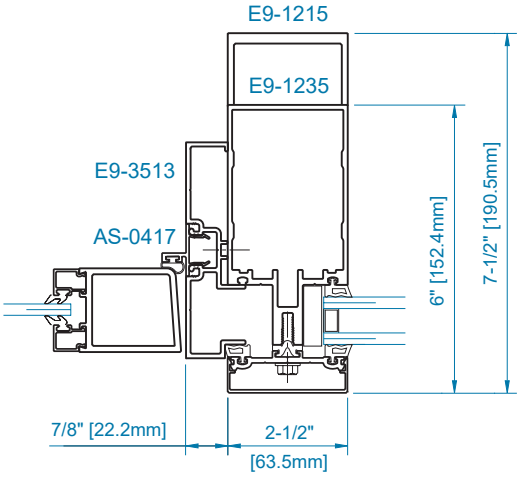


SECTION 18
TRANSOM BAR

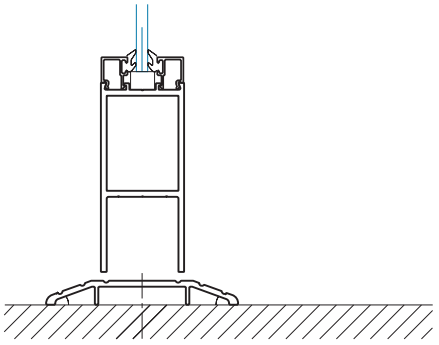




SECTION 18A
OPTIONAL TRANSOM BAR
(Limited Hardware Applications)



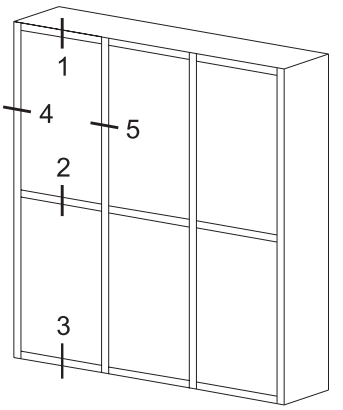
SECTION 20
DOOR JAMB



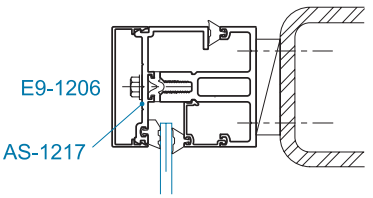
SECTION 19
BOTTOM RAIL

SCALE: 1/4 SIZE
0 3 6

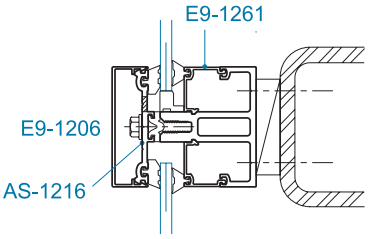
VENEER WALL FRAMING MEMBERS



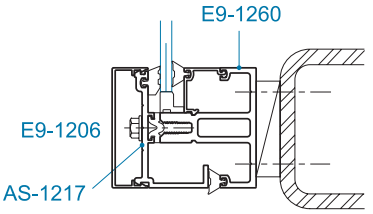
1/4” Glazing



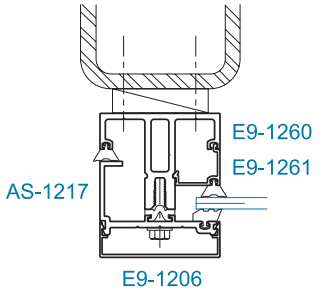
SECTION 1
HEAD



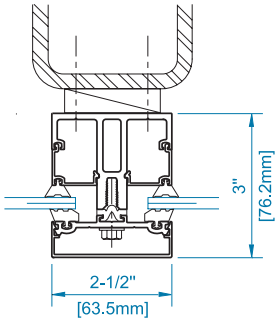
SECTION 2
HORIZONTAL



SECTION 3
SILL

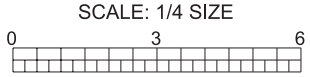


SECTION 4
JAMB

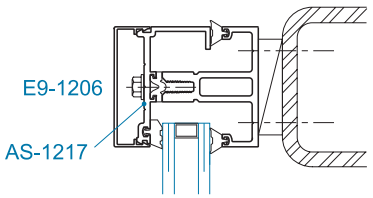


SECTION 5
VERTICAL

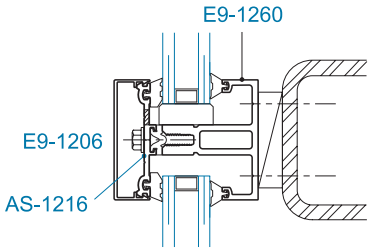
SCALE: 1/4 SIZE



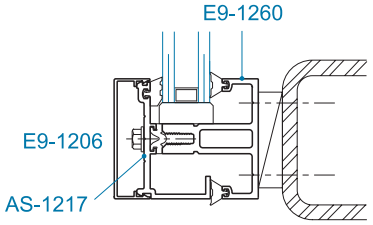
1” Glazing



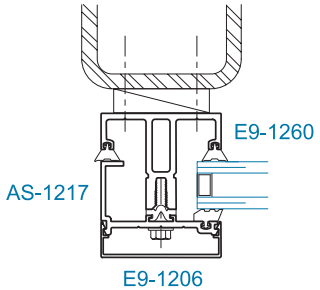
SECTION 1
HEAD



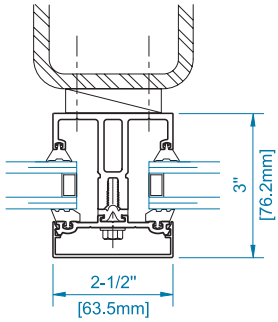
SECTION 2
HORIZONTAL



SECTION 3
SILL



SECTION 4
JAMB



SECTION 5
VERTICAL

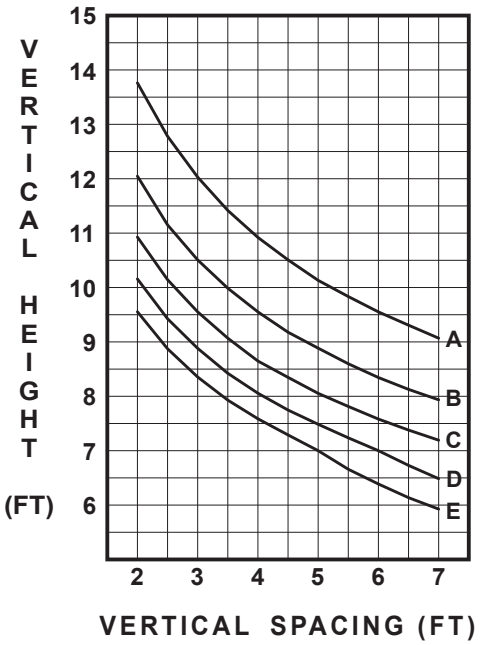
WIND LOAD CHARTS FOR SINGLE SPAN APPLICATIONS

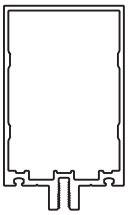
DEFLECTION CRITERIA AAMA TIR-A11 - L/175 MAXIMUM UP TO 13'-6" or L/240 + 1/4" (6.4mm) - FOR SPANS GREATER THAN 13'-6" (4.1m) BUT LESS THAN 40'-0" (12.2m)
CODES AND SPECIFICATIONS MAY VARY, NO SINGLE LITE OF GLASS SHALL DEFLECT MORE THAN 3/4" (19.1mm)

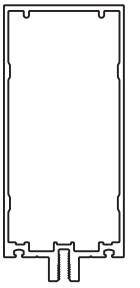
ALLOWABLE WIND LOAD STRESS
YKK AP tested standard. Contact YKK AP for more information.

These charts include unbraced length analysis and are based on 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.

E9-1250

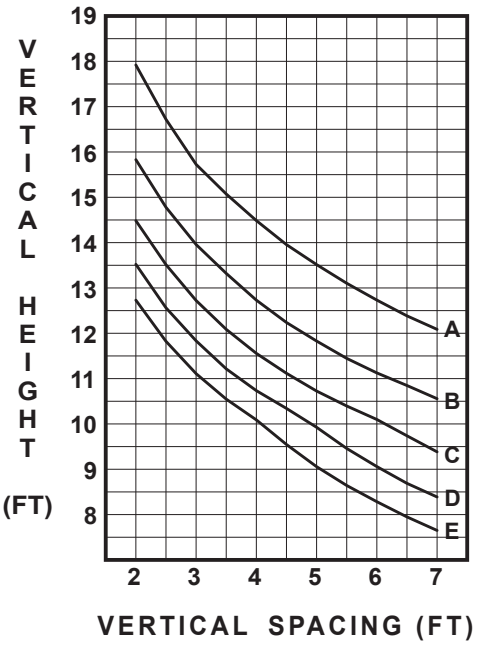



Ixx=3.433 in^4
(142.89 cm^4)

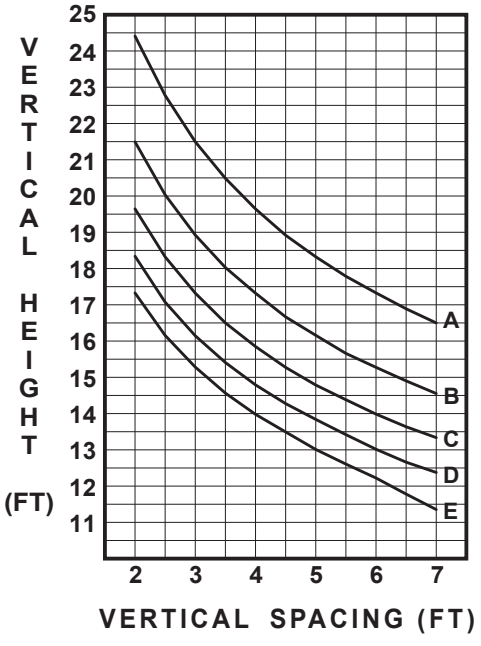

Ixx=8.120 in^4
(337.98 cm^4)

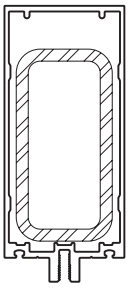
A=20 PSF (960 Pa)
B=30 PSF (1440 Pa)
C=40 PSF (1920 Pa)
D=50 PSF (2390 Pa)
E=60 PSF (2870 Pa)

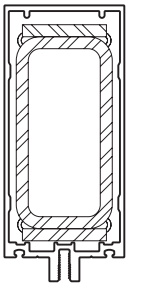
E9-1246



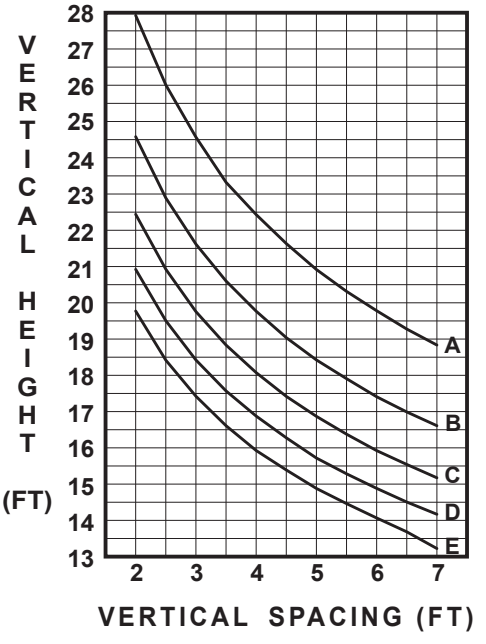
E9-1246 / E1-0162




Ixx=21.733 in^4
(904.6 cm^4)

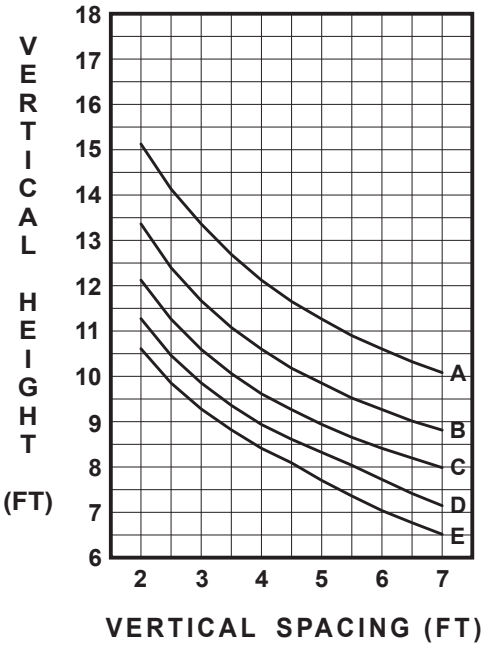

Ixx=33.255 in^4
(1384.2 cm^4)

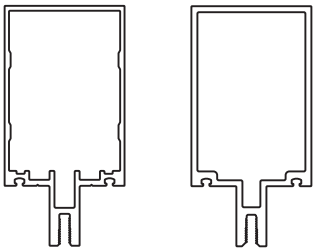
E9-1246 / E1-0154



WIND LOAD CHARTS FOR SINGLE SPAN APPLICATIONS

E9-1235

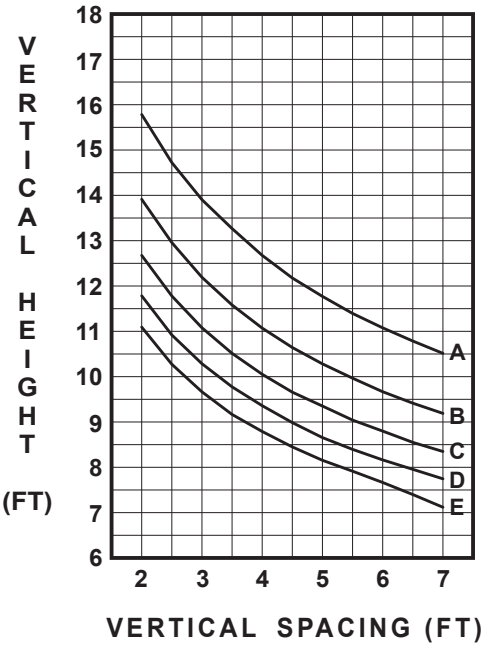




Ixx=4.689 in^4 (195.17 cm^4)

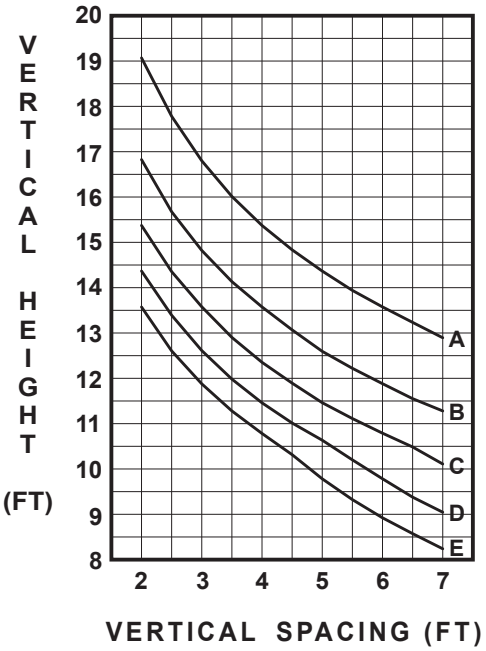
Ixx=5.353 in^4 (222.81 cm^4)

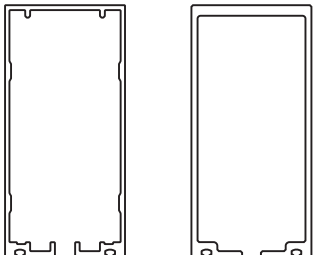
E9-3537



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)

E9-1225

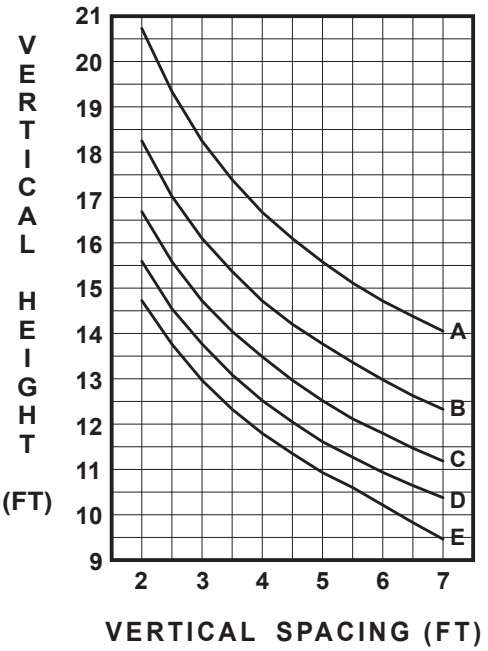




Ixx=9.870 in^4 (410.82 cm^4)

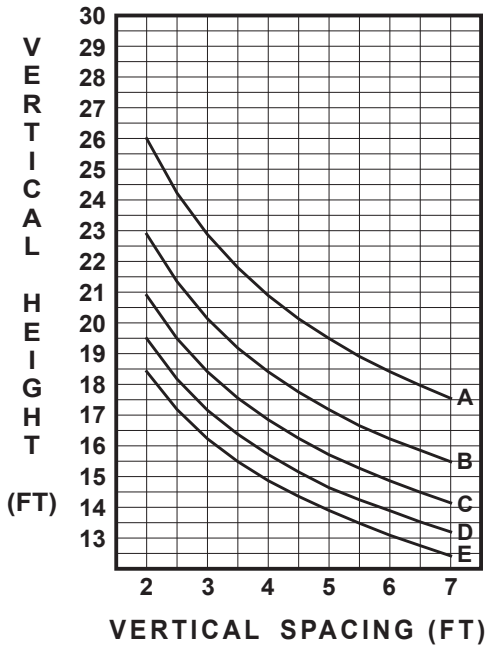
Ixx=12.890 in^4 (536.52 cm^4)

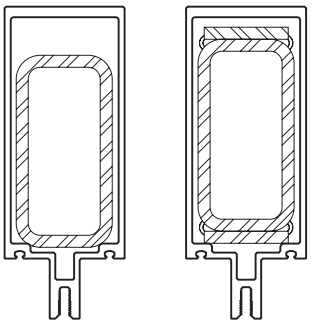
E9-1215



WIND LOAD CHARTS FOR SINGLE SPAN APPLICATIONS

E9-1215 / E1-0162





Ixx=26.503 in^4 (1103.12 cm^4)

Ixx=38.027 in^4 (1582.81 cm^4)

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)

E9-1215 / E1-0154

