

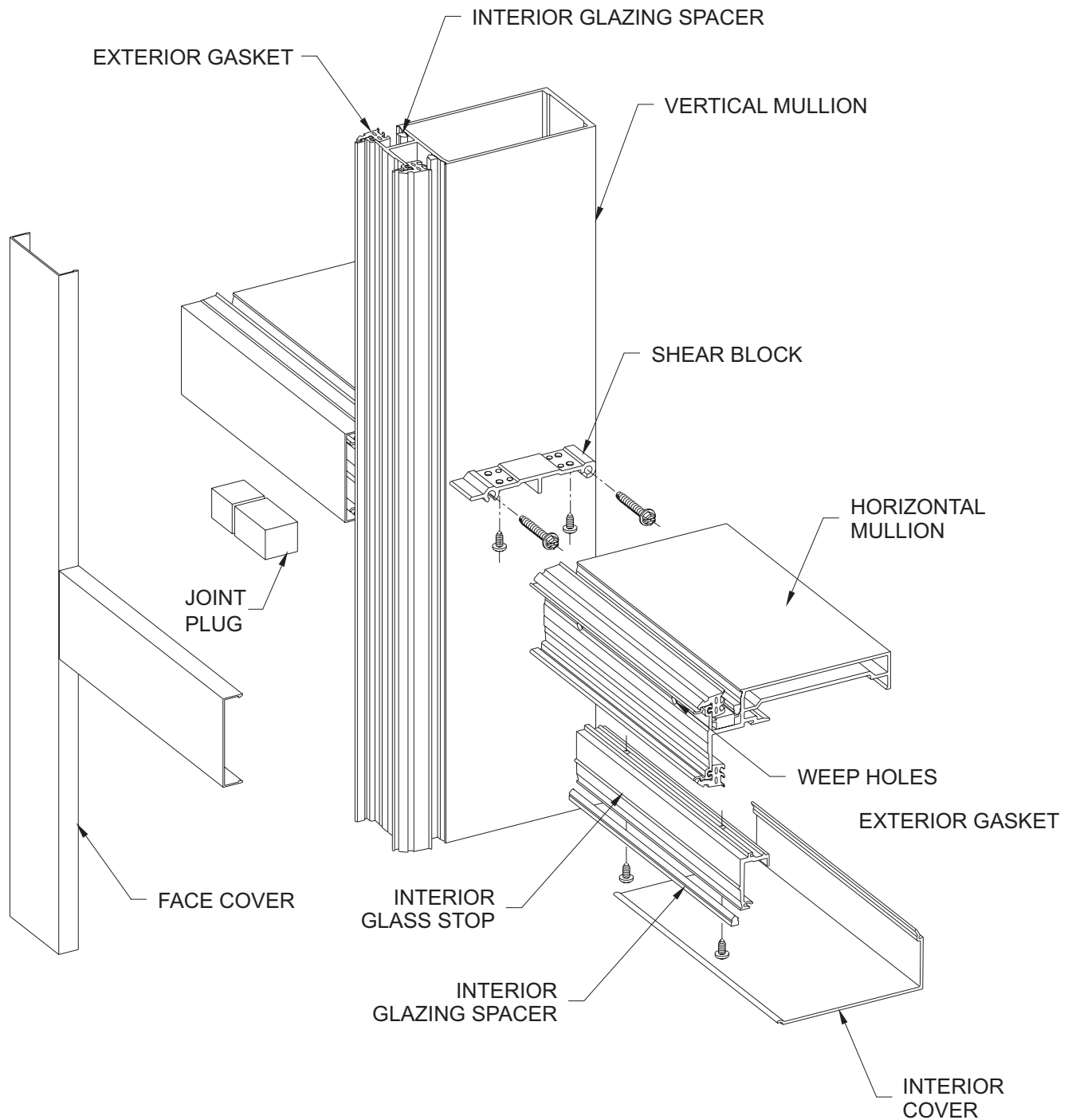
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**YHC 300 IG INSIDE GLAZED
HURRICANE RESISTANT & BLAST MITIGATING
CURTAIN WALL SYSTEM**

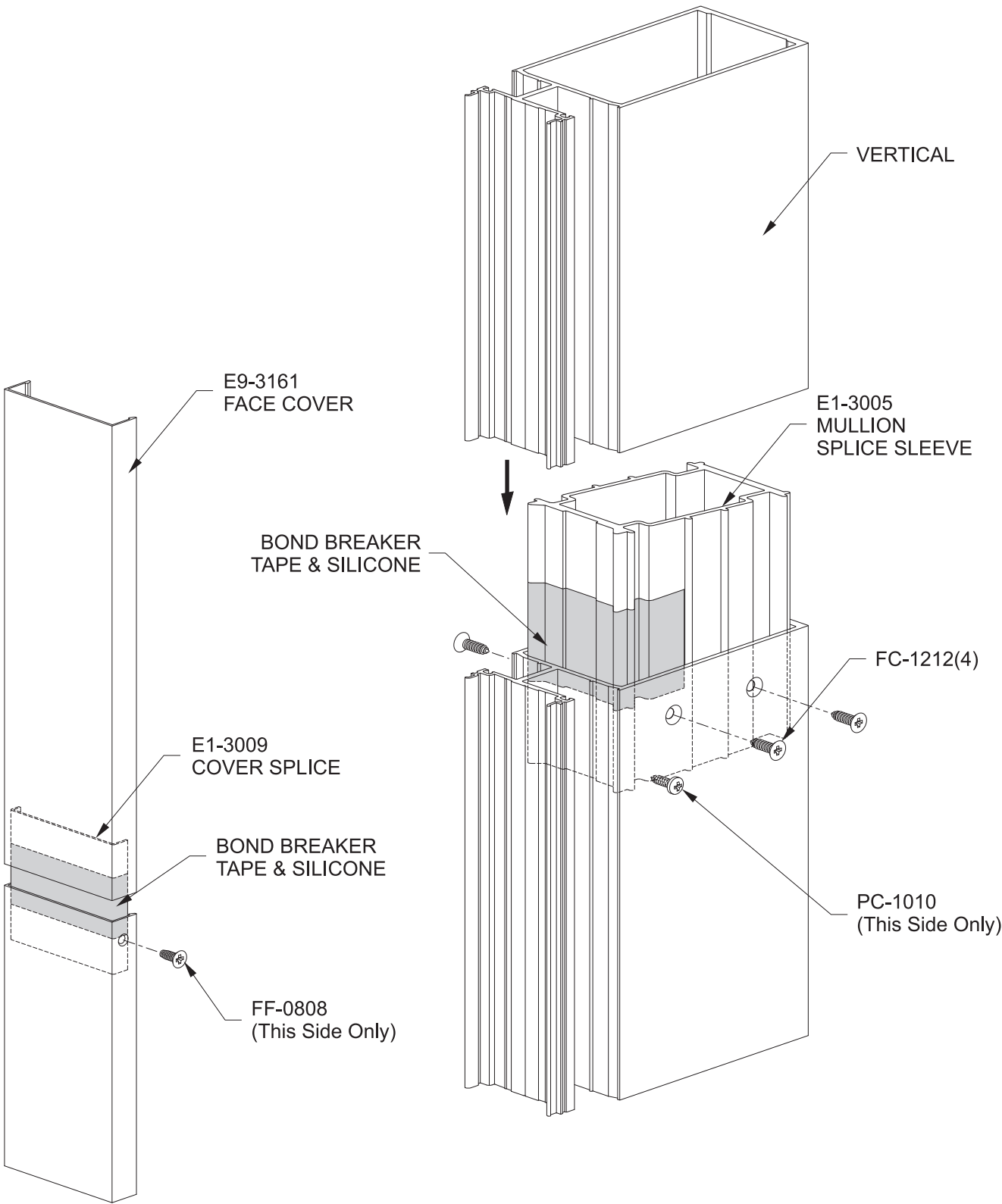
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*The latest installation instructions for this product are available at www.ykkap.com.

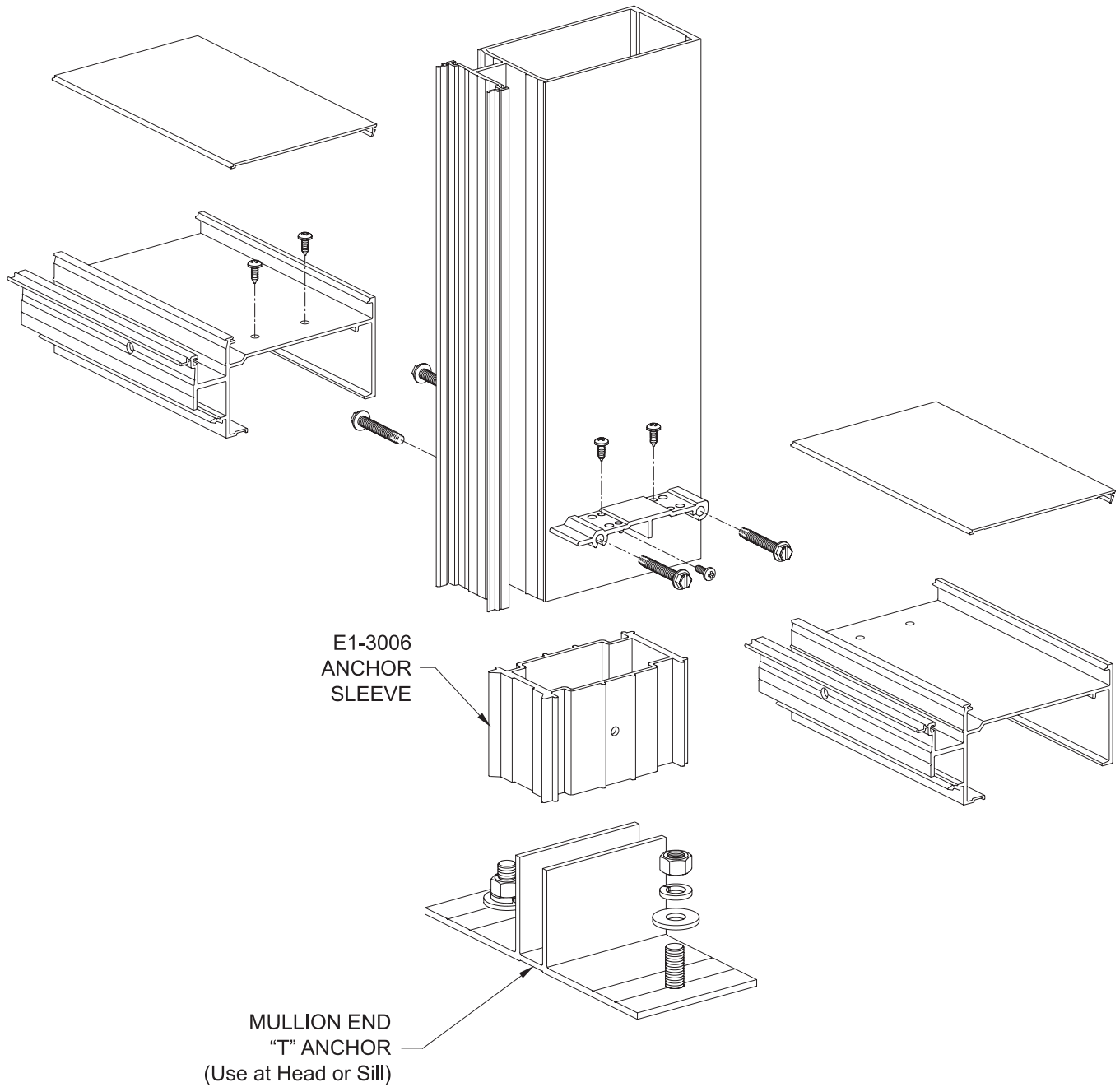
YHC 300 INSIDE GLAZED HURRICANE RESISTANT CURTAIN WALL SYSTEM



TYPICAL SPLICE CONDITION



MULLION END "T" ANCHOR

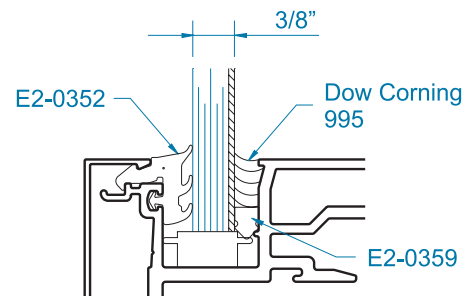
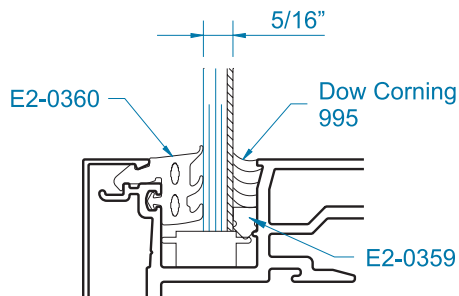


SINGLE GLAZING OPTIONS

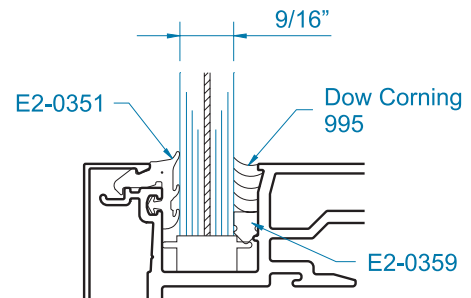
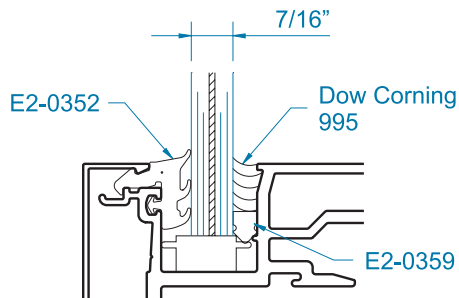
The following single glazing options are available for YHC 300 IG:

- A. Large Missile Impact glazing must be used below 30'-0" from grade.
Glazing materials may be 5/16", 3/8", 7/16" or 9/16" thick; contact YKK AP for approved glass types.
 - B. Small Missile Impact glazing may only be used above 3'-0" from grade.
Glazing materials may be 7/16" or 9/16" thick; contact YKK AP for approved glass types.
 - C. Non-Impact glazing (1/4" non-impact glazing) may be used above 60'-0" from grade.
- Heat treatment as required to meet local building code requirements.

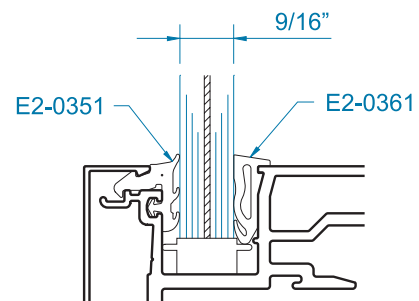
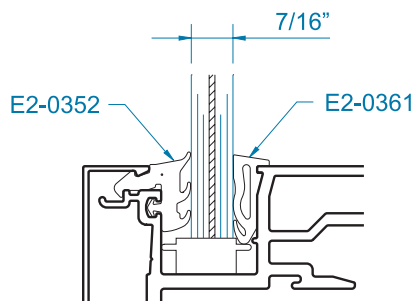
Note: Interior glazing materials will be different for 90 psf and 130 psf Small Missile Impact glazing.



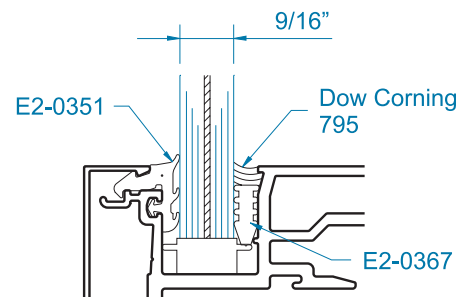
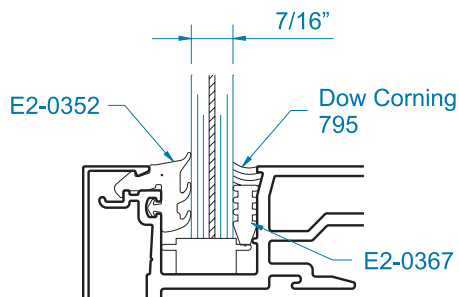
LARGE MISSILE 90 PSF & 130 PSF



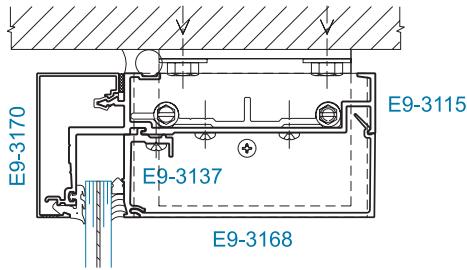
SMALL MISSILE 90 PSF



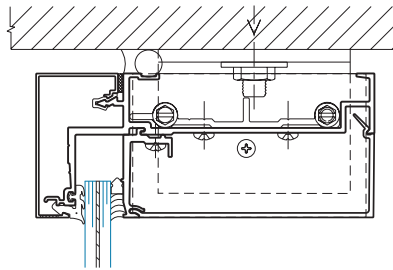
SMALL MISSILE 130 PSF



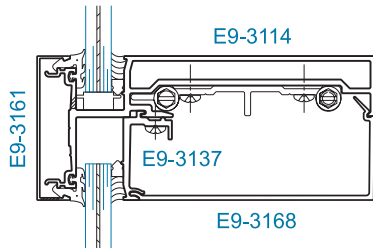
SINGLE GLAZING FRAMING MEMBERS



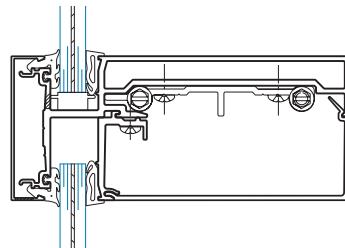
SECTION 1
HEAD w/ "F" Anchor



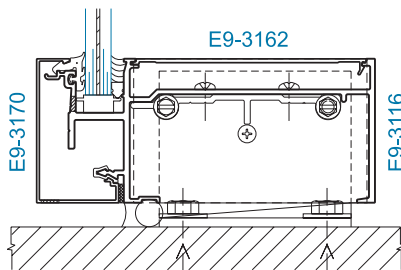
SECTION 1A
HEAD w/ "T" Anchor



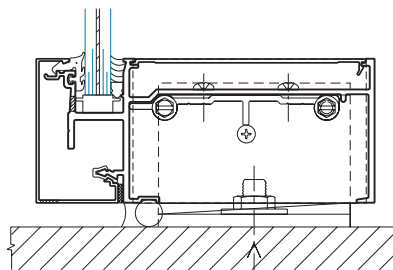
SECTION 2
HORIZONTAL



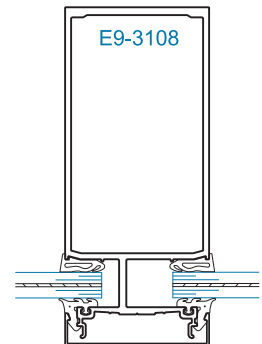
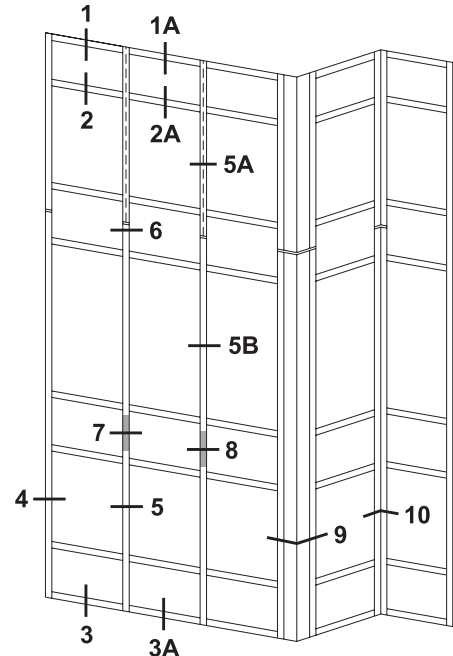
SECTION 2A
HORIZONTAL (Small Missile)



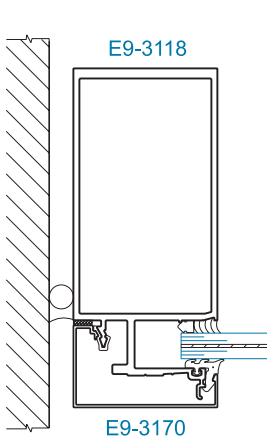
SECTION 3
SILL w/ "F" Anchor



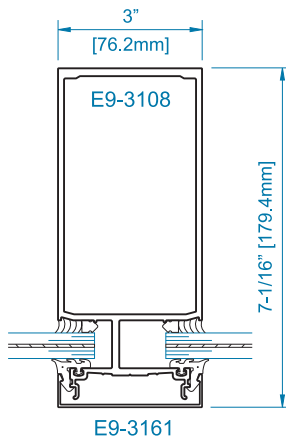
SECTION 3A
SILL w/ "T" Anchor



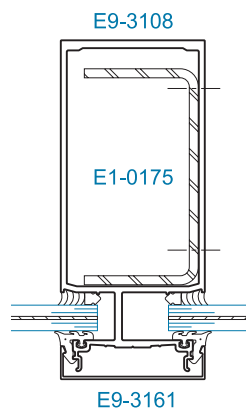
SECTION 5B
VERTICAL
(Small Missile)



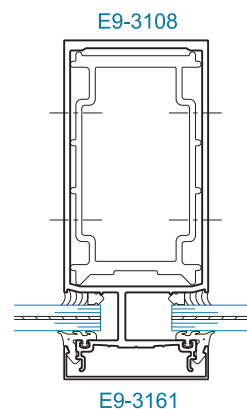
SECTION 4
JAMB



SECTION 5
VERTICAL

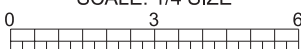


SECTION 5A
VERTICAL w/ Steel
As Required

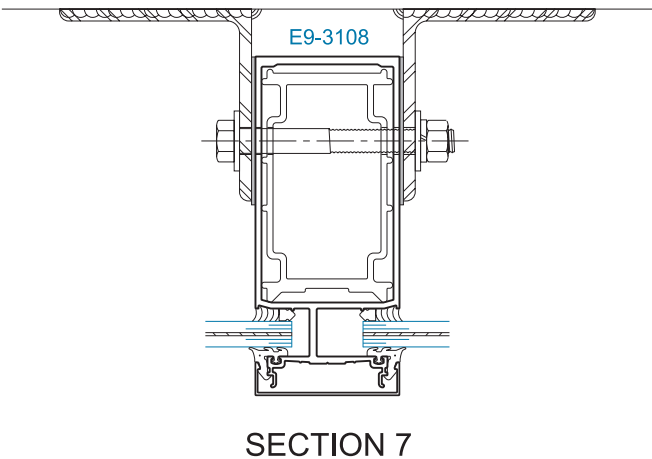
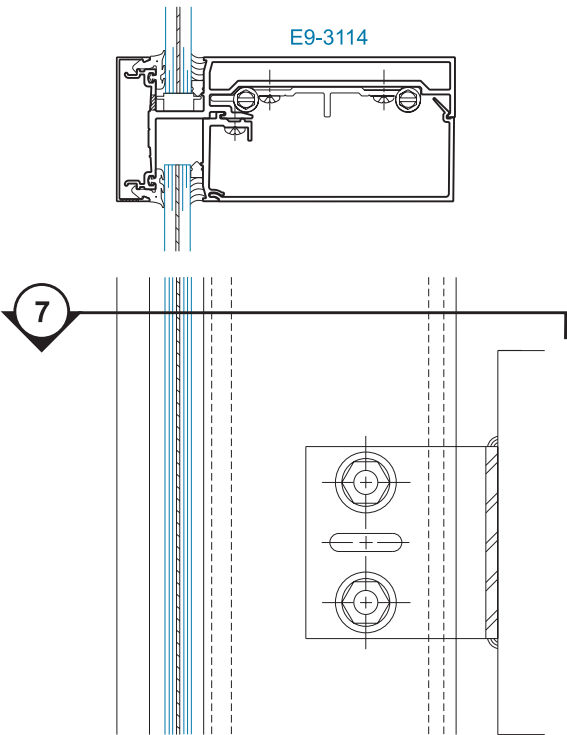


SECTION 6
VERTICAL @ Splice

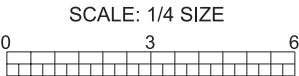
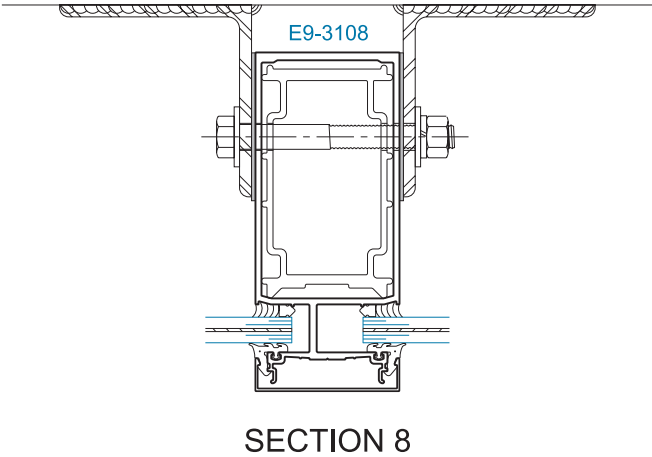
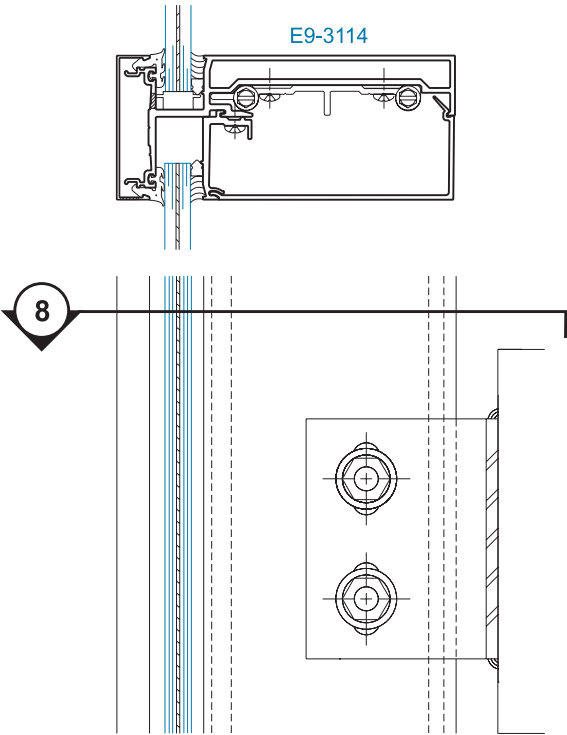
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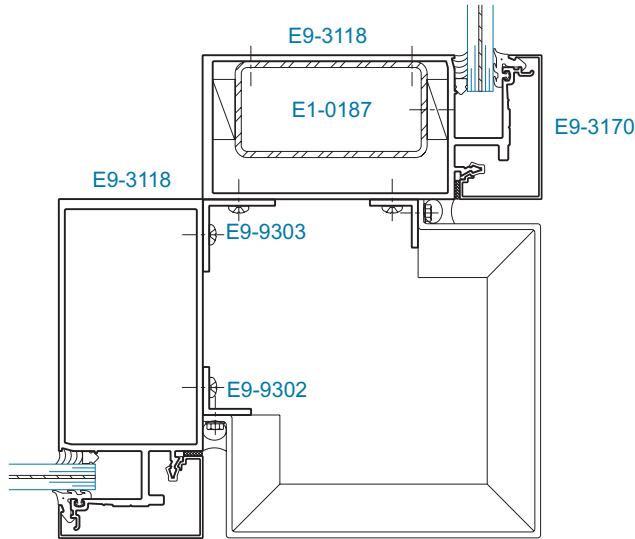
TYPICAL DEADLOAD ANCHOR



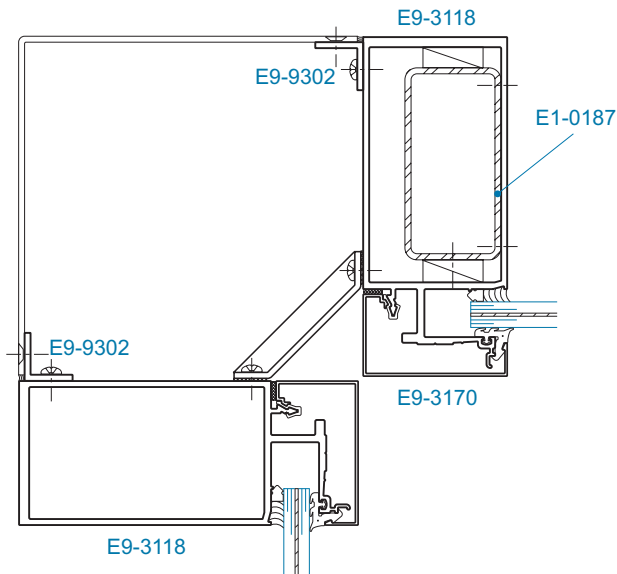
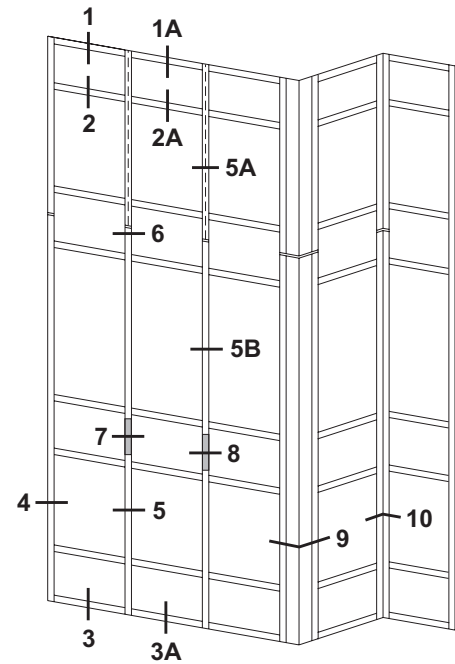
TYPICAL WINDLOAD ANCHOR



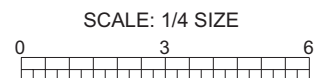
SINGLE GLAZING CORNER FRAMING MEMBERS



SECTION 9
90° OUTSIDE CORNER
With Steel As Required



SECTION 10
90° INSIDE CORNER
With Steel As Required



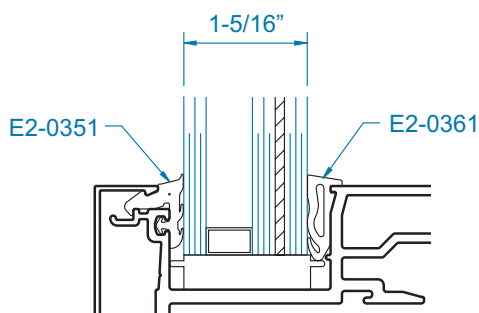
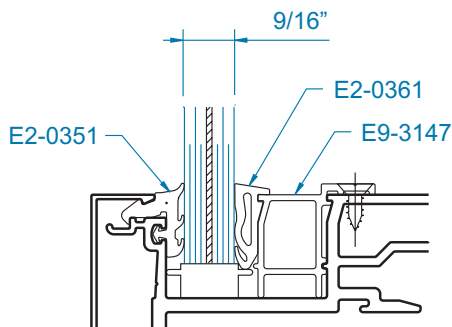
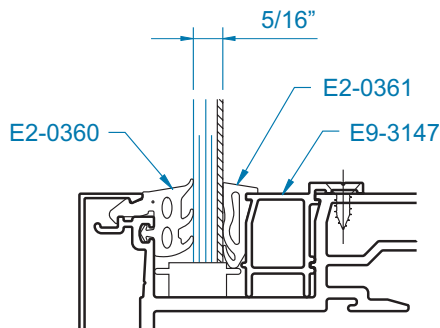
INSULATING GLAZING OPTIONS

The following insulated glazing options are available for YHC 300 IG:

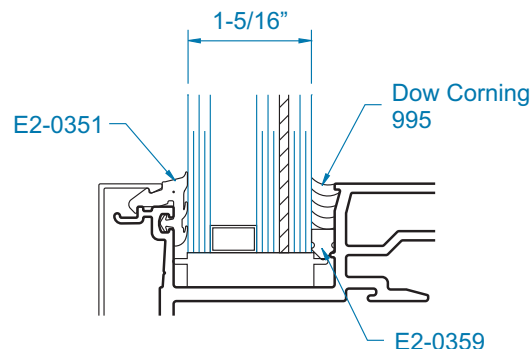
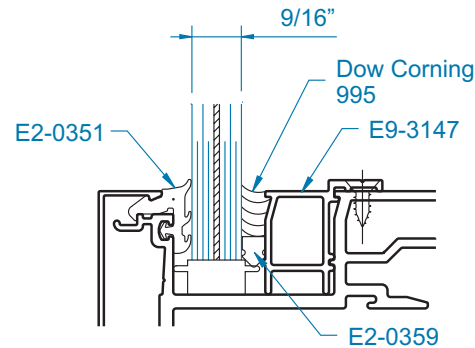
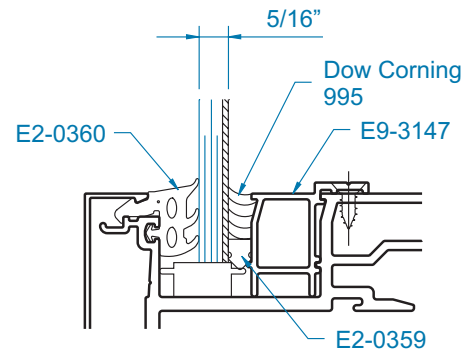
- A. Large Missile Impact 1-5/16" thick glazing must be used up to 30'-0" from grade.
Glazing may also be 5/16" or 9/16" with adaptors; contact YKK AP for approved glass types.
- B. Small Missile Impact 1-5/16" thick glazing may only be used above 30'-0" from grade.
Glazing may also be 5/16" or 9/16" with adaptors; contact YKK AP for approved glass types.
- C. Non-Impact glazing may be used above 60'-0" from grade.

Heat treatment as required to meet local building code requirements.

SMALL MISSILE 90 PSF & 120 PSF

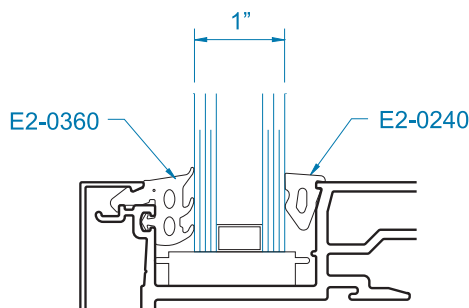


LARGE MISSILE 90 PSF & 120 PSF



INSULATING GLAZING OPTIONS

NON-IMPACT GLAZING



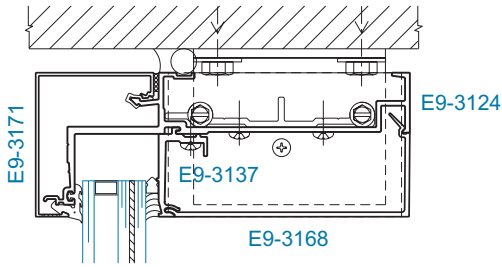
INSULATED GLAZING

Glass/Panel Depth	Glazing Type	Glass Opening	EXTERIOR		INTERIOR	
			F.C.	Ext. Gasket	F.C.	Int. Gasket/Spacer
1-5/16"	Large Missile	1-3/4"	3/16"	E2-0351	1/4"	E2-0359
1-5/16"	Small Missile	1-3/4"	3/16"	E2-0351	1/4"	E2-0361
1"	Non-Impact	1-3/4"	7/16"	E2-0360	5/16"	E2-0240
9/16"	Large Missile	1"	3/16"	E2-0351	1/4"	E2-0359 w /E9-3147
9/16"	Small Missile	1"	3/16"	E2-0351	1/4"	E2-0361 w/ E9-3147
1/4"	Non-Impact	1"	7/16"	E2-0360	5/16"	E2-0240 w/ E9-3147

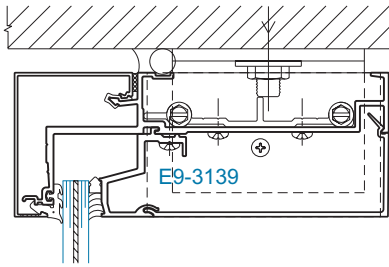
MONOLITHIC GLAZING

Glass/Panel Depth	Glazing Type	Glass Opening	EXTERIOR		INTERIOR	
			F.C.	Ext. Gasket	F.C.	Int. Gasket/Spacer
9/16"	Large Missile	1"	3/16"	E2-0351	1/4"	E2-0359
9/16"	Small Missile	1"	3/16"	E2-0351	1/4"	E2-0361
1/4"	Non-Impact	1"	7/16"	E2-0360	5/16"	E2-0240

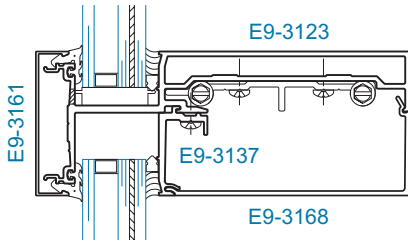
INSULATING GLAZING FRAMING MEMBERS



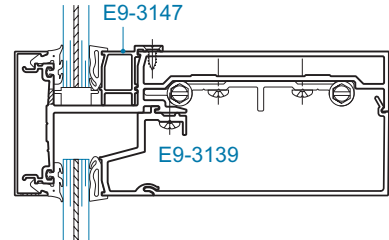
SECTION 11
HEAD w/ "F" Anchor



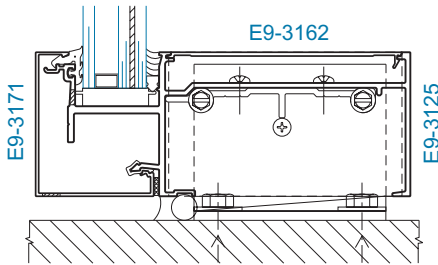
SECTION 11A
HEAD w/ "T" Anchor



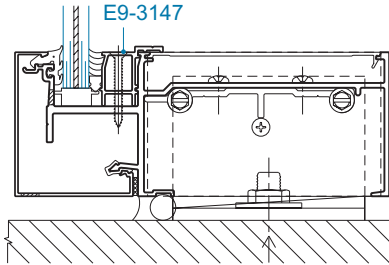
SECTION 12
HORIZONTAL



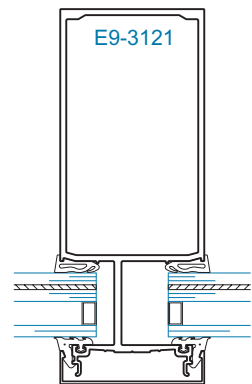
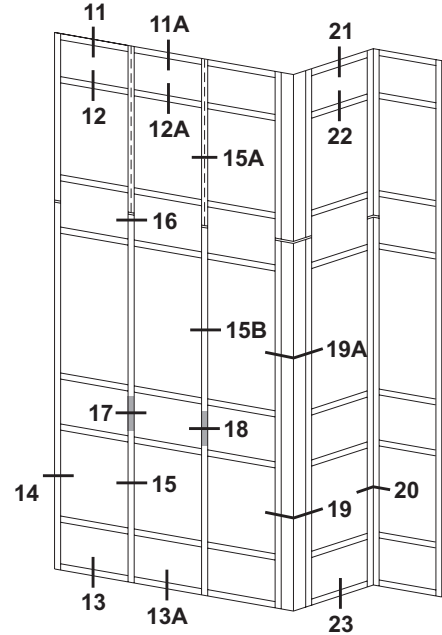
SECTION 12A
HORIZONTAL (Small Missile)



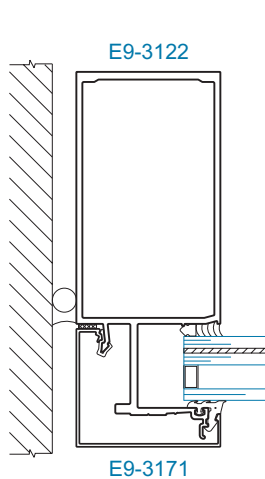
SECTION 13
SILL w/ "F" Anchor



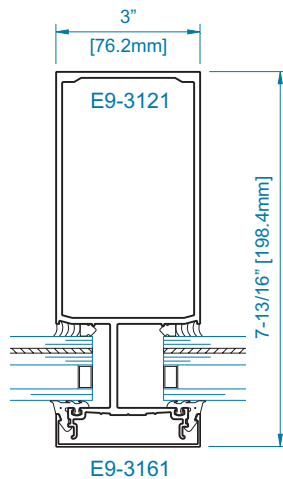
SECTION 13A
SILL w/ "T" Anchor



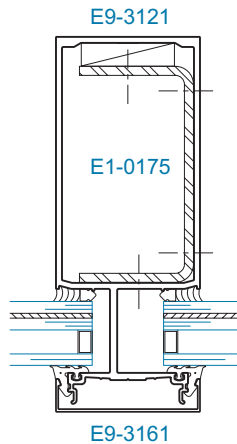
SECTION 15B
VERTICAL
(Small Missile)



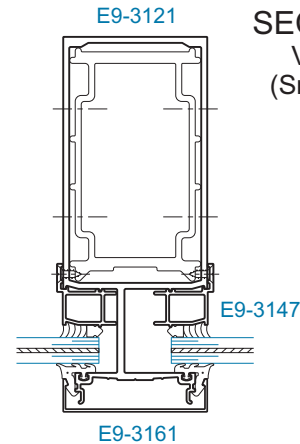
SECTION 14
JAMB



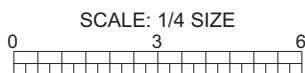
SECTION 15
VERTICAL



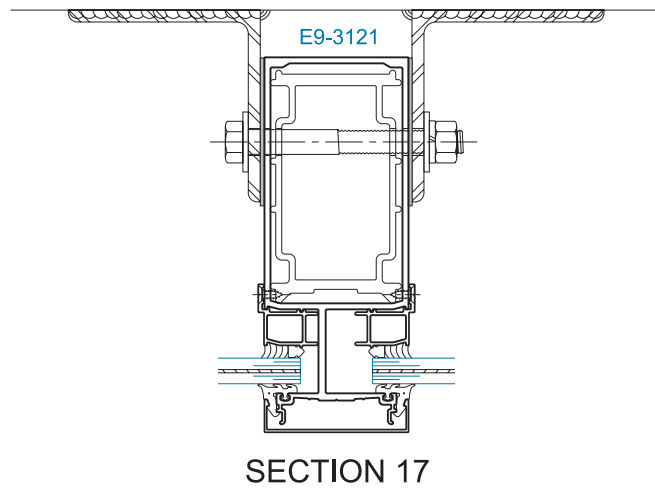
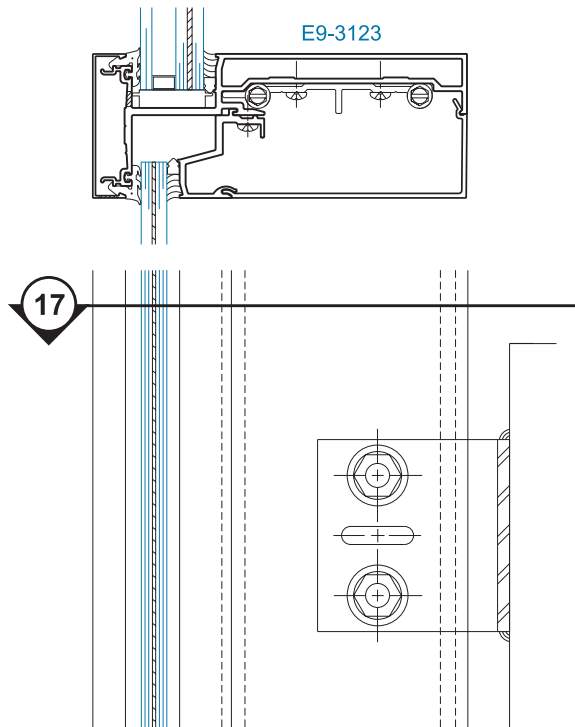
SECTION 15A
VERTICAL w/ Steel
As Required



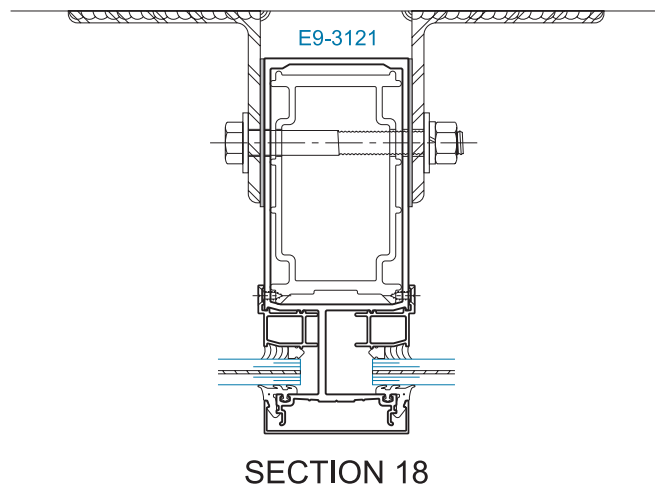
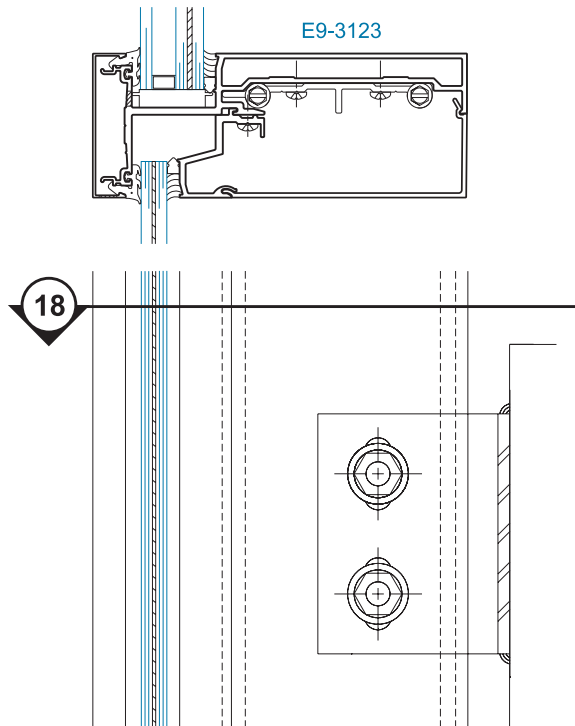
SECTION 16
VERTICAL @ Splice



TYPICAL DEADLOAD ANCHOR

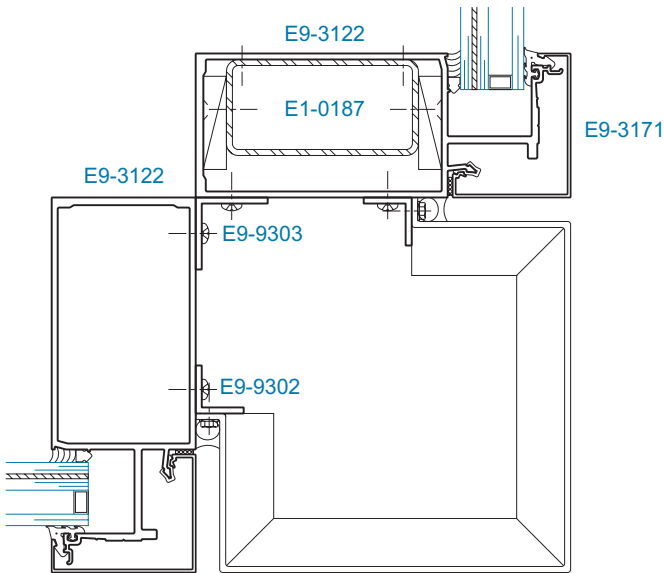


TYPICAL WINDLOAD ANCHOR

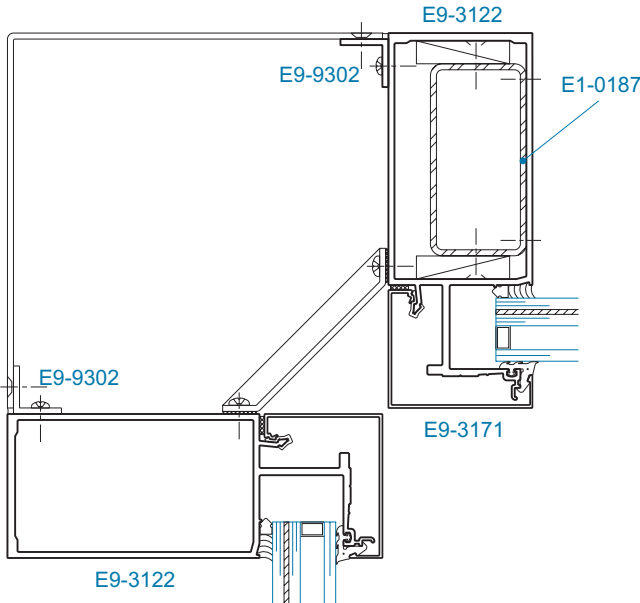
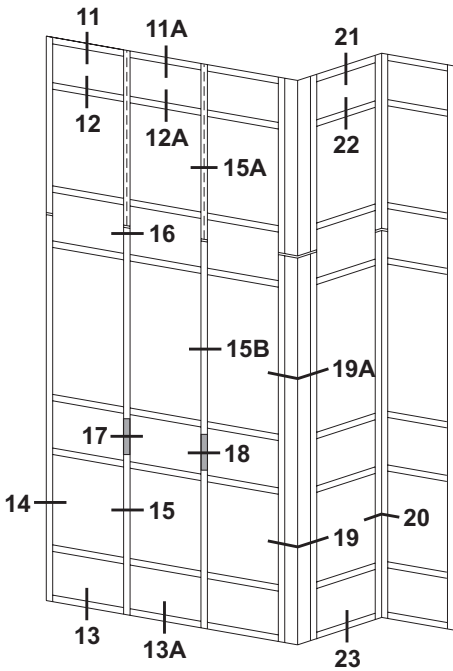


SCALE: 1/4 SIZE
0 3 6

INSULATING GLAZING CORNER FRAMING MEMBERS

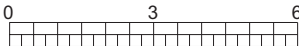


SECTION 19
90° OUTSIDE CORNER
With Steel As Required

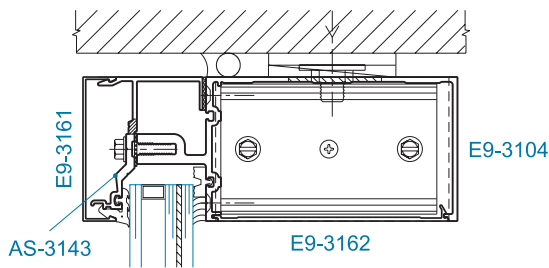


SECTION 20
90° INSIDE CORNER
With Steel As Required

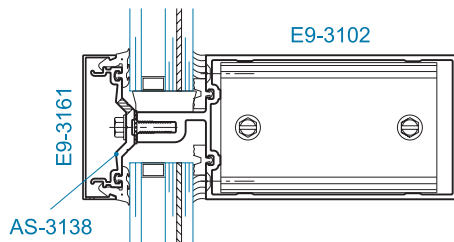
SCALE: 1/4 SIZE



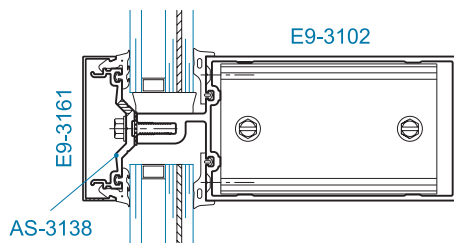
OPTIONAL CORNER FRAMING MEMBERS



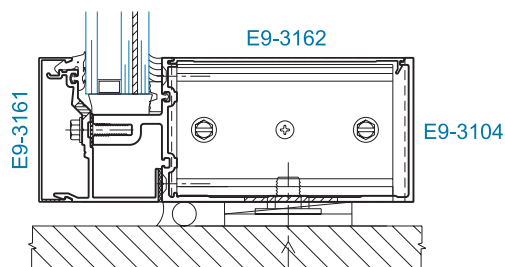
SECTION 21
HEAD @ End Bay
For Optional 90° Outside Corner



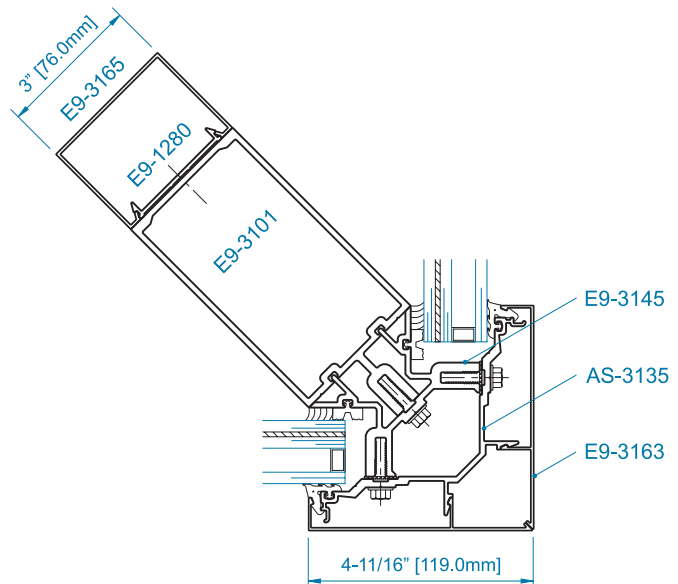
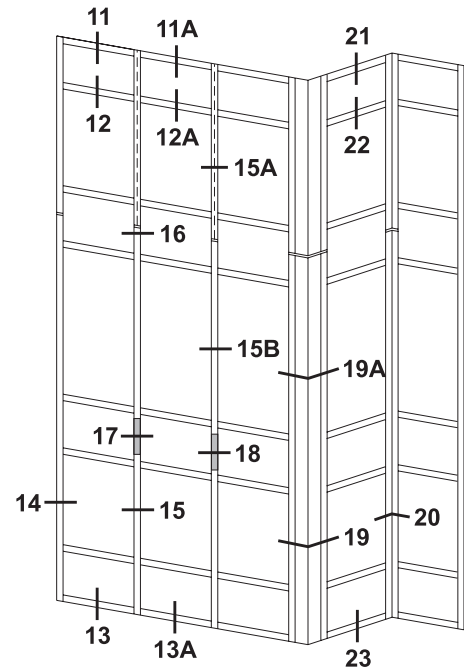
SECTION 22
HORIZONTAL @ End Bay
For Optional 90° Outside Corner



SECTION 22A
HORIZONTAL @ End Bay For Opt.
90° Outside Corner (Small Missile)

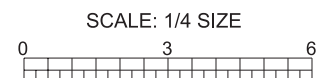


SECTION 23
SILL @ End Bay
For Optional 90° Outside Corner

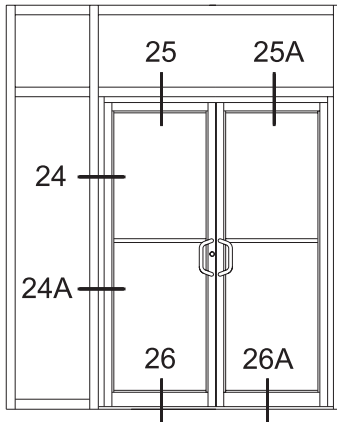


SECTION 19A
OPTIONAL 90°
OUTSIDE CORNER

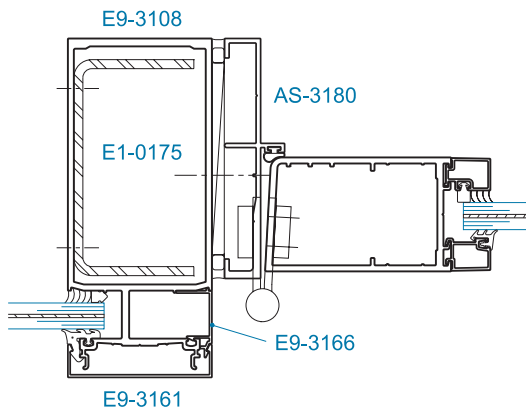
Note: Glass Must Be Set from the Exterior for this Corner Detail.



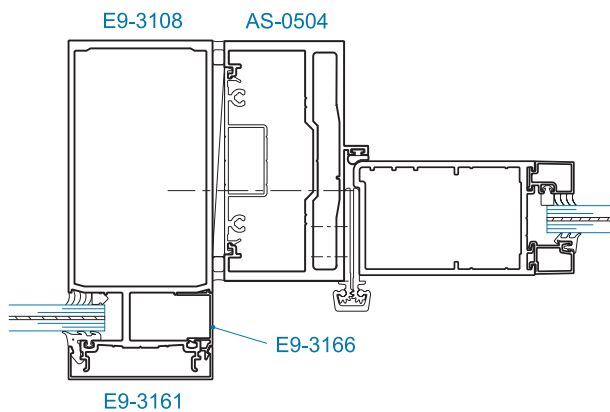
SINGLE GLAZING DOOR FRAMING MEMBERS



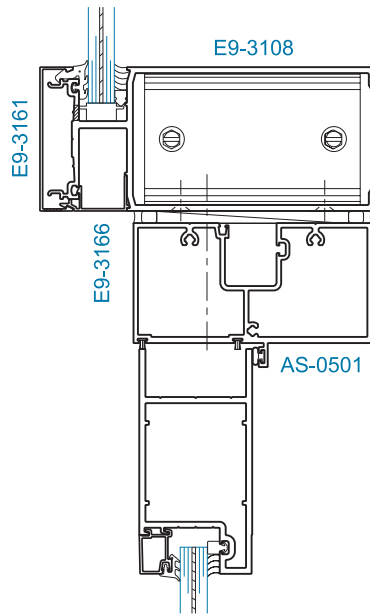
35H PAIR DOORS SHOWN



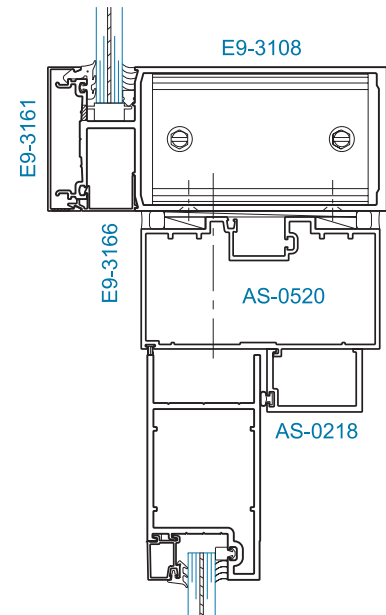
SECTION 24
STANDARD DOOR JAMB
w/ BUTT HINGE
Steel As Required



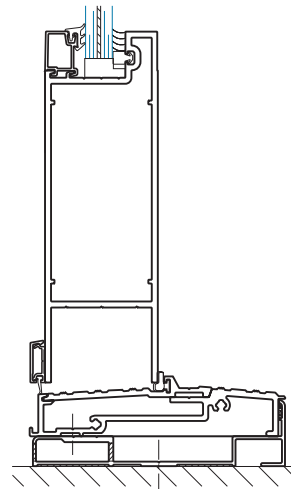
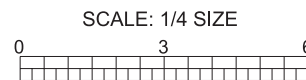
SECTION 24A
OPTIONAL DOOR JAMB
w/ CONTINUOUS HINGE



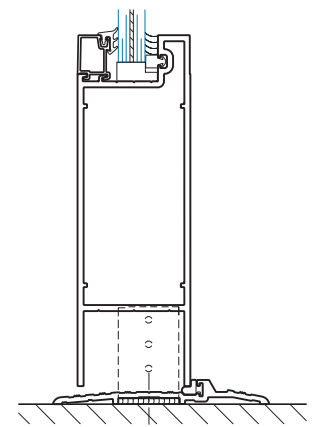
SECTION 25
STANDARD
TRANSOM BAR



SECTION 25A
OHCC
TRANSOM BAR



SECTION 26*
WATER RESISTANT
THRESHOLD

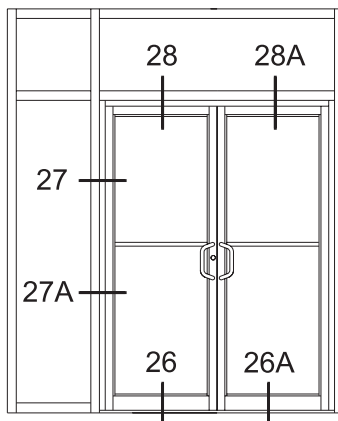


SECTION 26A**
AIR TIGHT THRESHOLD

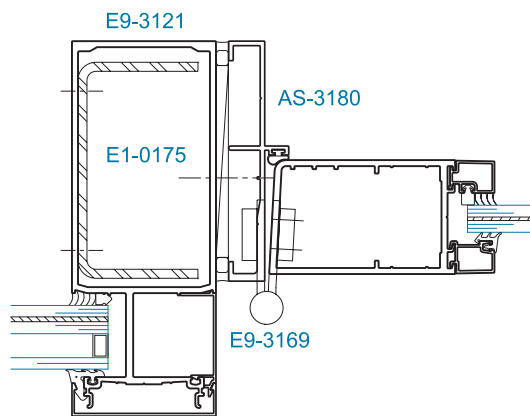
Note: Door framing IS NOT available for design pressures above 120 psf.

* Frames that employ the water resistant threshold, E9-0502, and are designated as ADA entrances require a 1:12 sloped ramp. For more information please refer to local building codes or contact YKK AP.

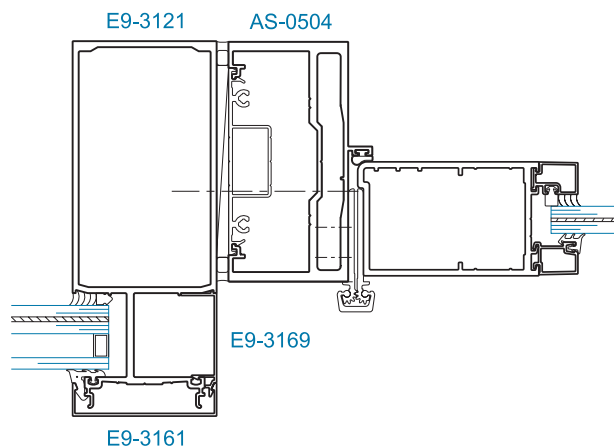
INSULATING GLAZING DOOR FRAMING MEMBERS



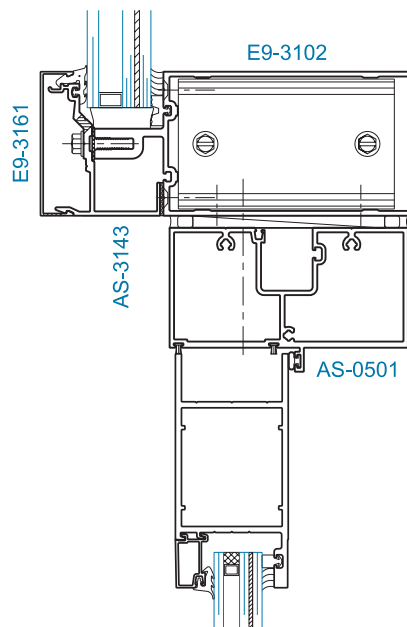
35H PAIR DOORS SHOWN



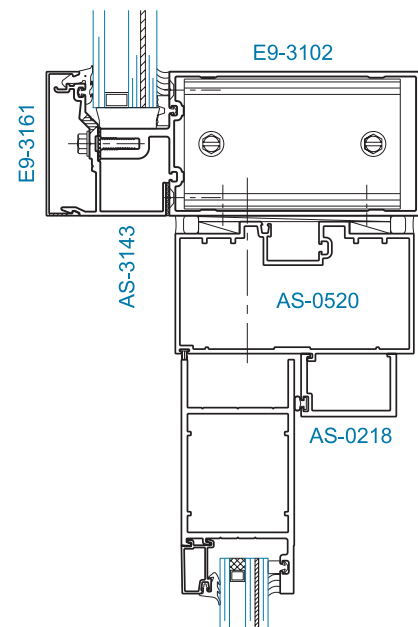
SECTION 27
STANDARD DOOR JAMB
w/ BUTT HINGE
Steel As Required



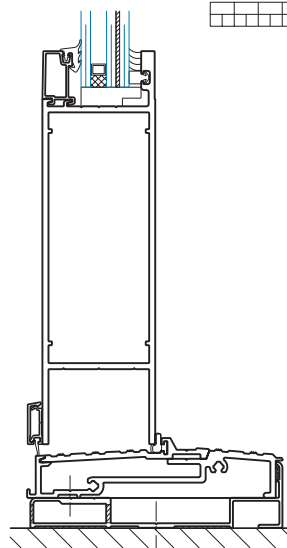
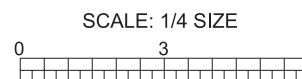
SECTION 27A
OPTIONAL DOOR JAMB
w/ CONTINUOUS HINGE



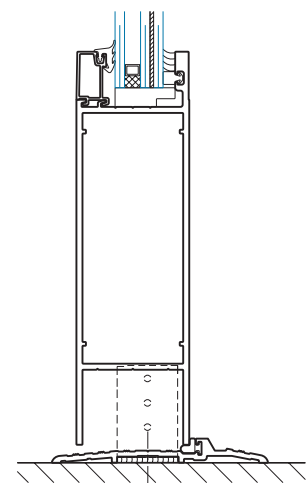
SECTION 28
STANDARD
TRANSOM BAR



SECTION 28A
OHCC
TRANSOM BAR



SECTION 26*
WATER RESISTANT
THRESHOLD



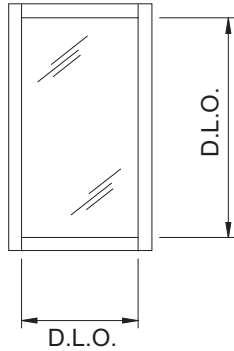
SECTION 26A**
AIR TIGHT THRESHOLD

Note: Door framing IS NOT available for design pressures above 120 psf.

* Frames that employ the water resistant threshold, E9-0502, and are designated as ADA entrances require a 1:12 sloped ramp. For more information please refer to local building codes or contact YKK AP.

SIZE LIMITATIONS

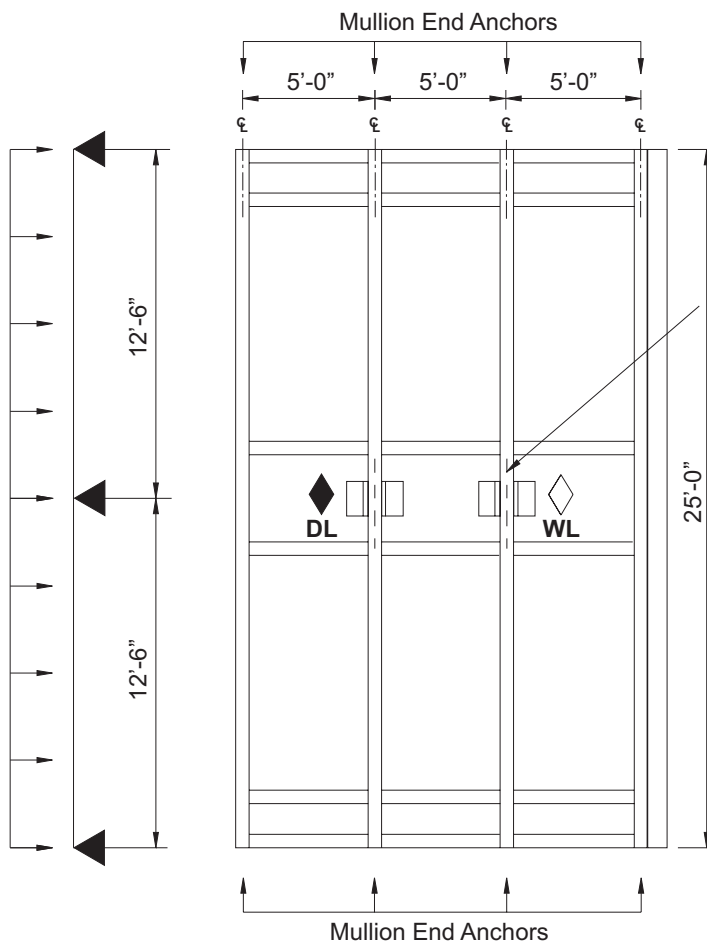
Dade County Applications for 90 psf:



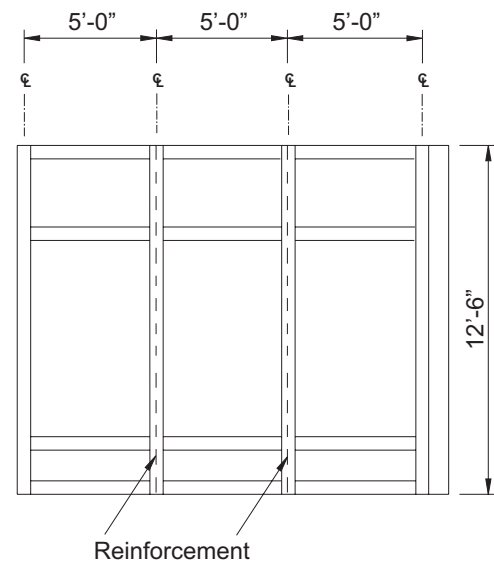
See Dade County NOA or Florida Product Approval for maximum daylight opening.

The maximum* twin span of 25'-0" has a reinforcement sleeve, E1-3007, attached at midpoint. Reinforcement is anchored with wind load or dead load anchors midway.

* Maximum anodized length is 24'-0".



TWIN SPAN

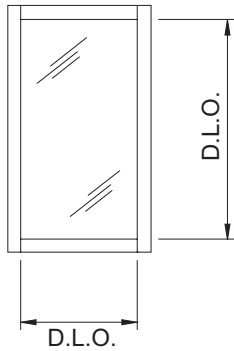


SINGLE SPAN

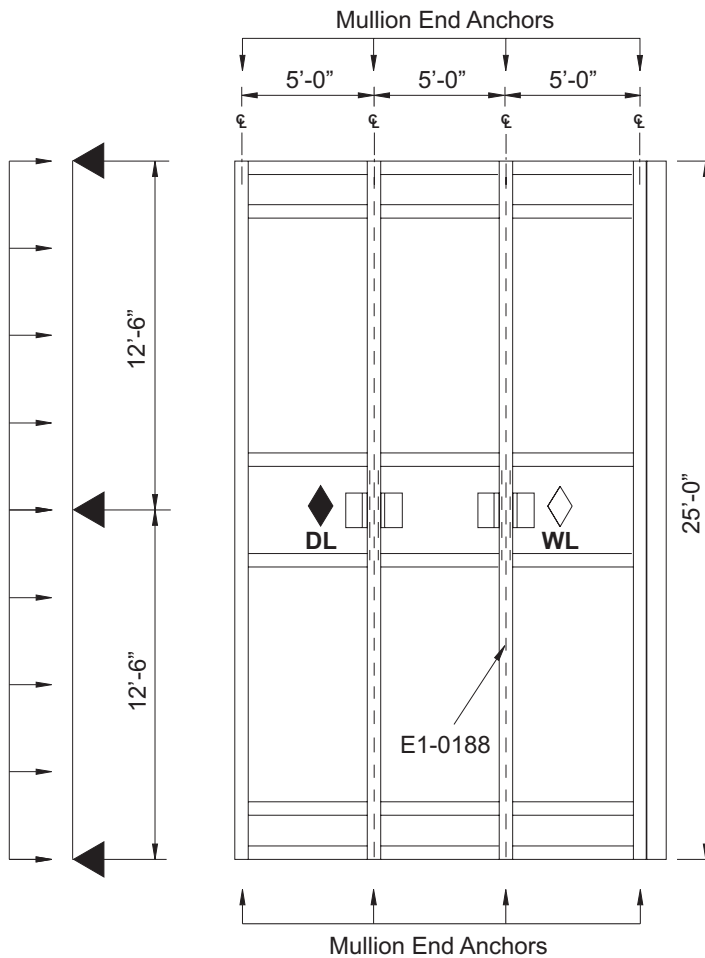
For continuous mullions with either twin spans or unequal spans with uniformly distributed load on multiple anchors, consult YKK AP.

SIZE LIMITATIONS

Dade County Applications for 120 psf & 130 psf:



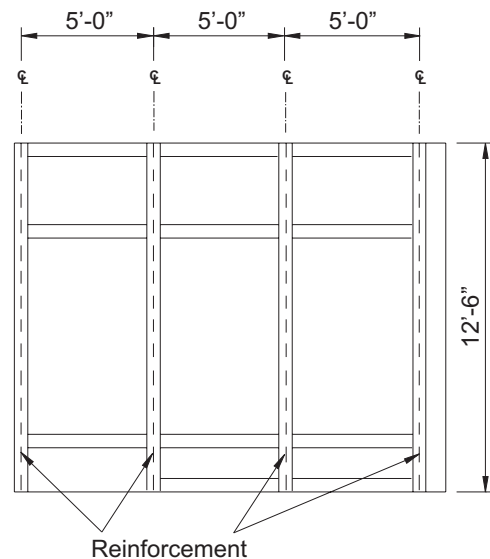
See Dade County NOA or Florida Product Approval for maximum daylight opening.



TWIN SPAN

The maximum* twin span of 25'-0" has steel reinforcement, E1-0188, attached to intermediate verticals. Both mullion and reinforcement are anchored with wind load or dead load anchors midway.

* Maximum anodized length is 24'-0".



SINGLE SPAN

For continuous mullions with either twin spans or unequal spans with uniformly distributed load on multiple anchors, consult YKK AP.

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)

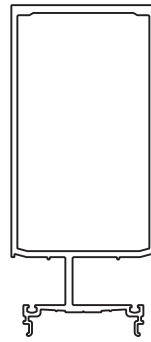
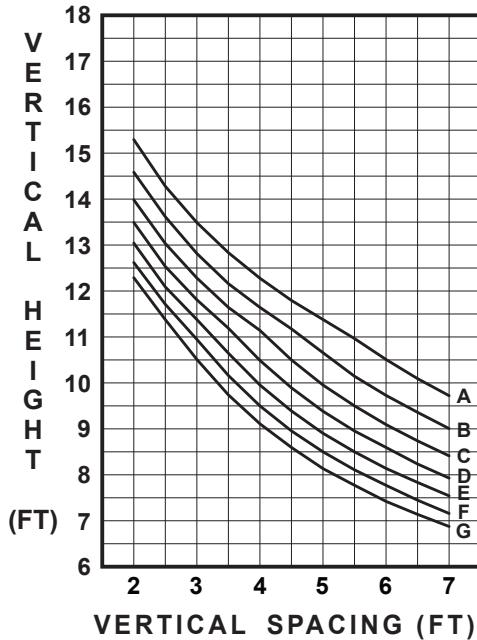
CODES AND SPECIFICATIONS MAY VARY, NO SINGLE LITE OF GLASS SHALL DEFLECT MORE THAN 3/4" (19.1mm)

ALLOWABLE WIND LOAD STRESS

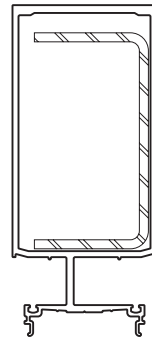
YKK AP tested standard. Contact YKK AP for more information.

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.

E9-3108



$I_{xx}=14.511 \text{ in}^4$
(603.99 cm^4)

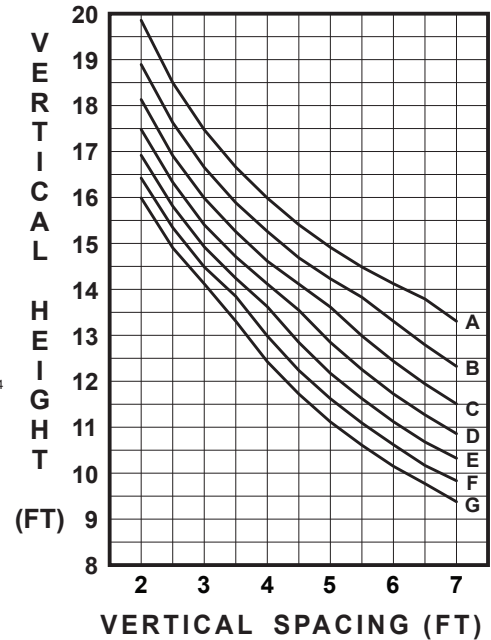


$I_{xx}=33.634 \text{ in}^4$
(1399.94 cm^4)

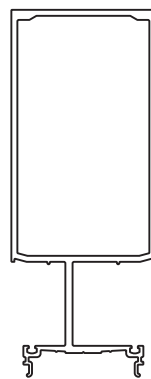
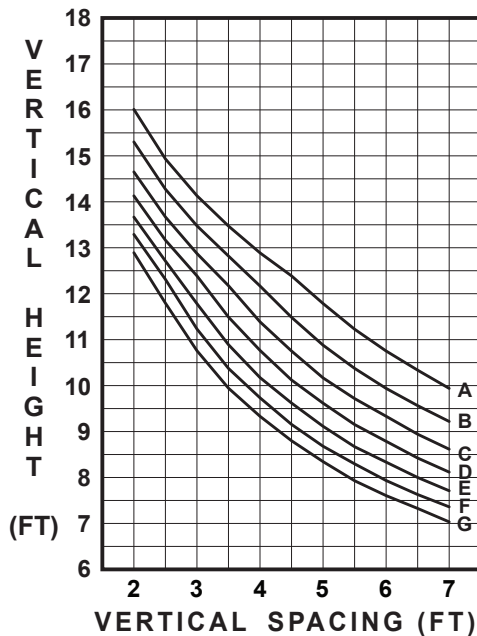
A = 60 PSF (2870 Pa)
B = 70 PSF (3350 Pa)
C = 80 PSF (3830 Pa)
D = 90 PSF (4310 Pa)
E = 100 PSF (4790 Pa)
F = 110 PSF (5270 Pa)
G = 120 PSF (5750 Pa)

SEE FLORIDA PRODUCT APPROVALS FOR FRAME SIZE LIMITATIONS.

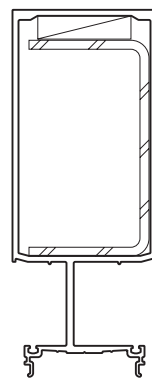
E9-3108 / E1-0175



E9-3121



$I_{xx}=16.885 \text{ in}^4$
(702.81 cm^4)



$I_{xx}=36.008 \text{ in}^4$
(1498.75 cm^4)

E9-3121 / E1-0175

