

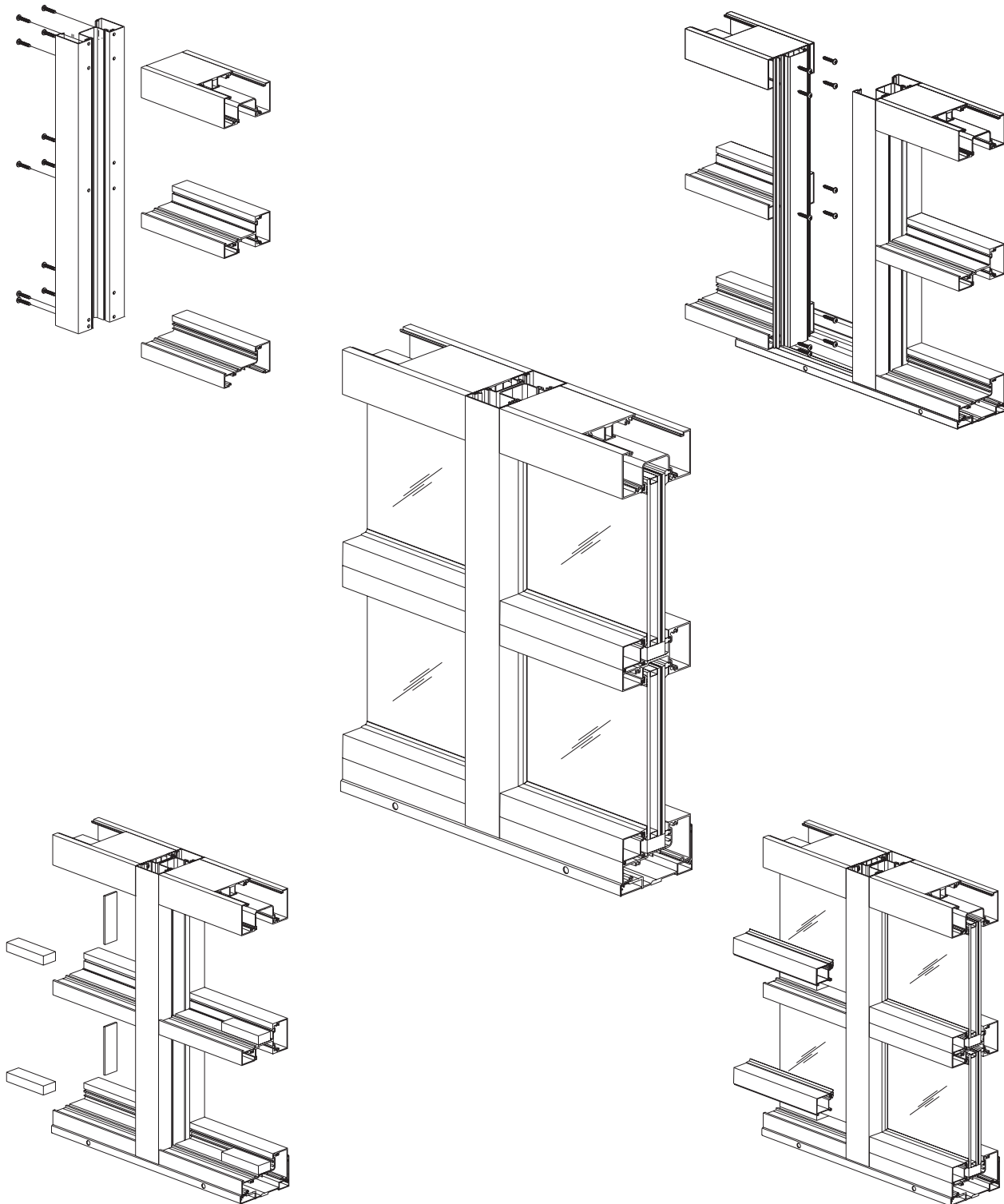
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**YHS 50 FI HURRICANE IMPACT RESISTANT STOREFRONT SYSTEM
FOR INSULATED GLAZING 2-1/2" x 5"
[NON-SHUTTERED APPLICATIONS]**

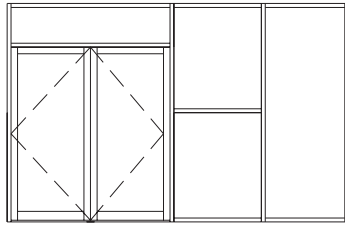
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*The latest installation instructions for this product are available at www.ykkap.com.

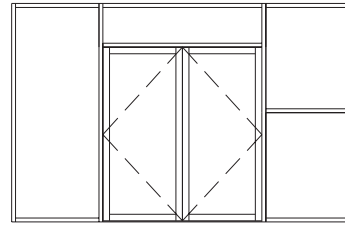
YHS 50 FI STOREFRONT SYSTEM PICTORIAL VIEW



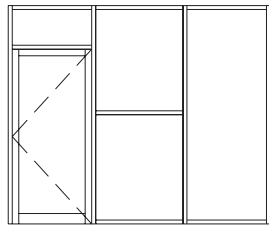
YHS 50 FI AND 35H DOOR TYPICAL ELEVATIONS



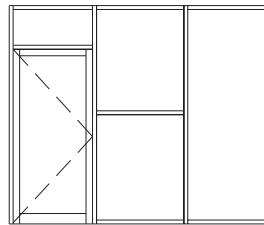
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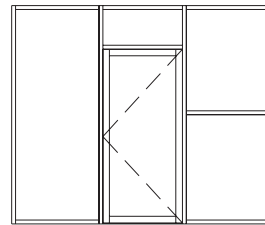
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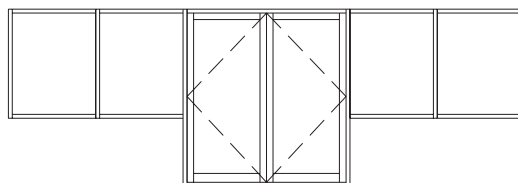
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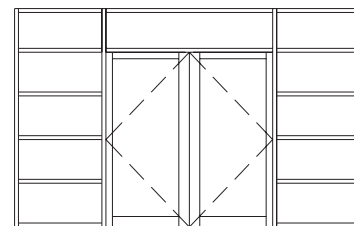
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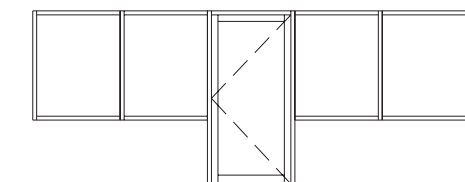
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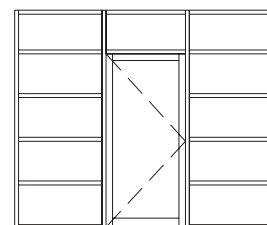
EXAMPLE 6



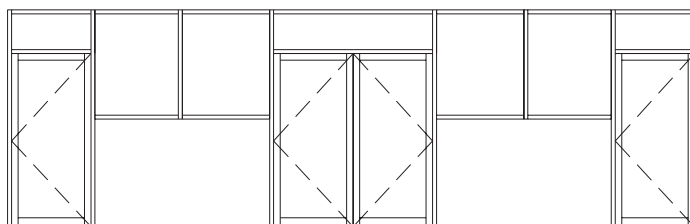
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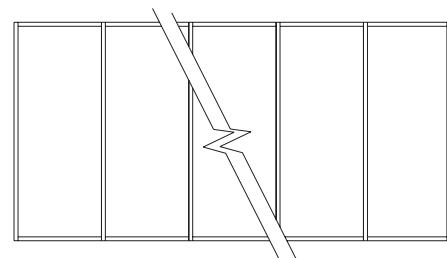
EXAMPLE 8



EXAMPLE 9



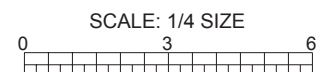
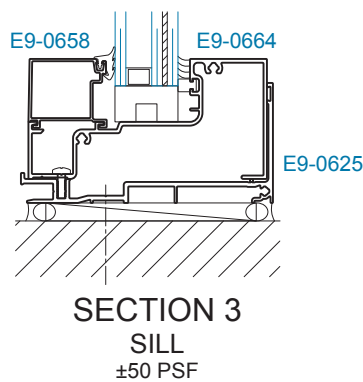
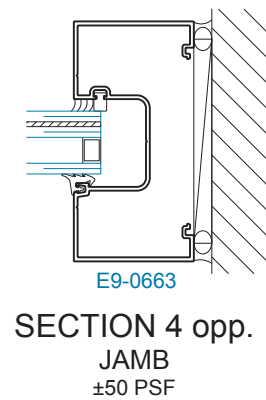
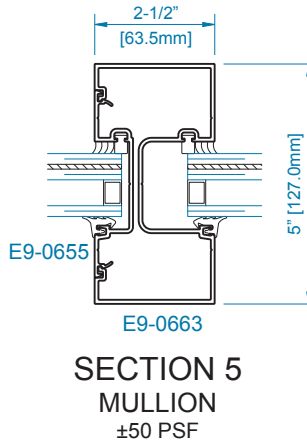
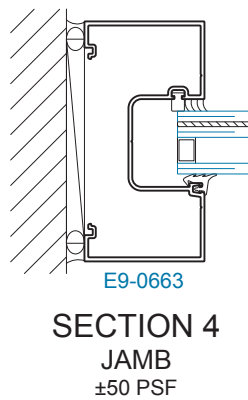
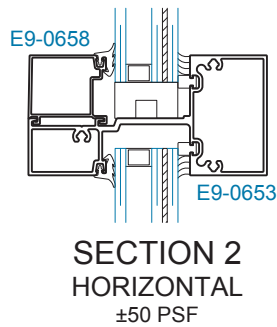
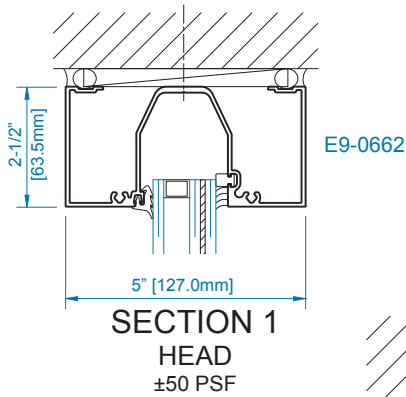
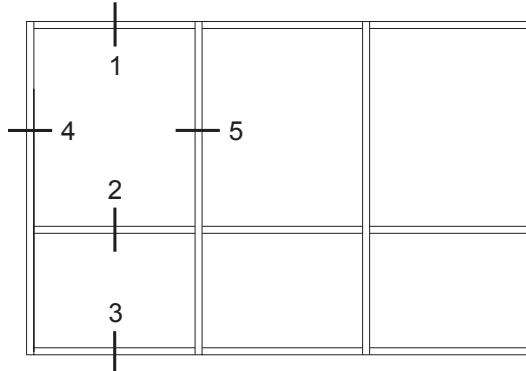
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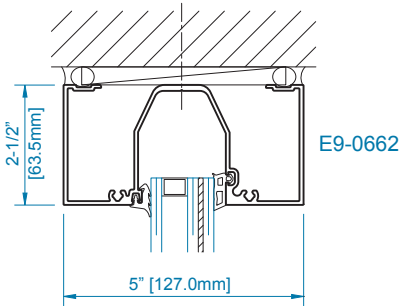
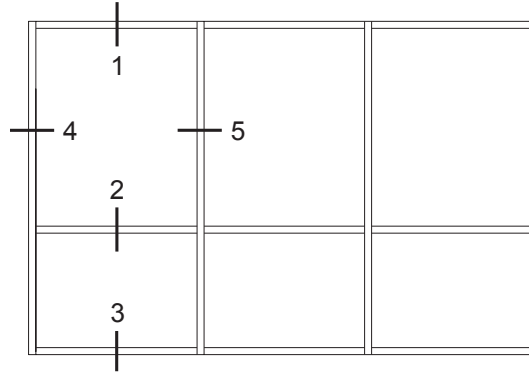
EXAMPLE 11

Other variations are available; please consult with YKK AP.

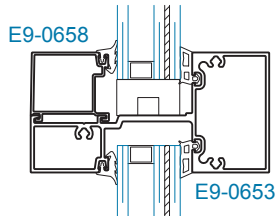
**YHS 50 FI STOREFRONT FRAMING MEMBERS
WET GLAZING (50 PSF)**



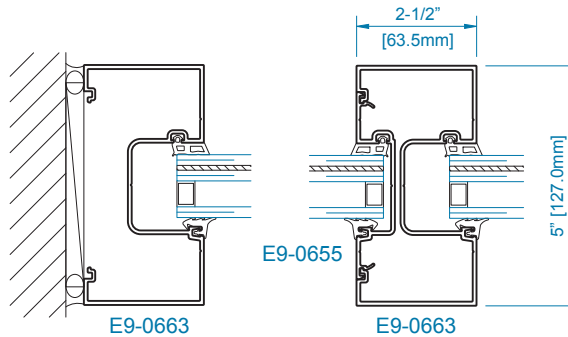
**YHS 50 FI STOREFRONT FRAMING MEMBERS
DRY GLAZING (50 PSF)**



SECTION 1
HEAD
±50 PSF

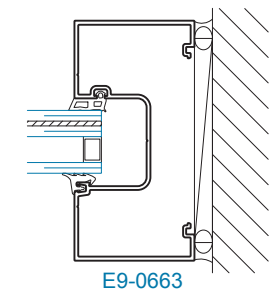


SECTION 2
HORIZONTAL
±50 PSF

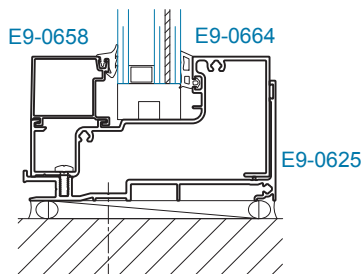


SECTION 4
JAMB
±50 PSF

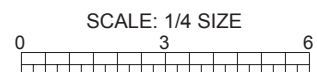
SECTION 5
MULLION
±50 PSF



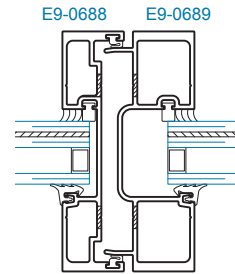
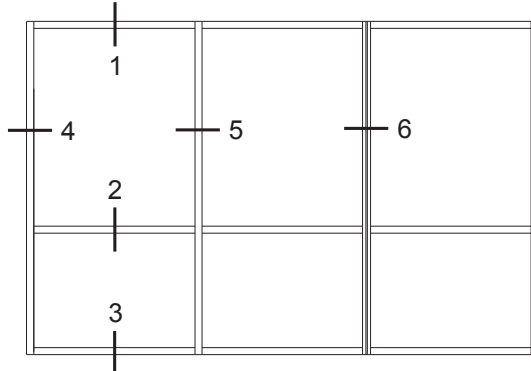
SECTION 4A opp.
JAMB
±50 PSF



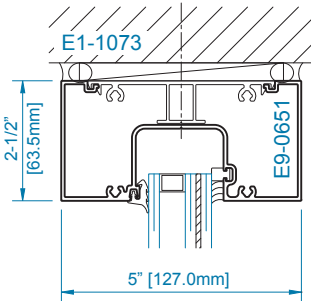
SECTION 3
SILL
±50 PSF



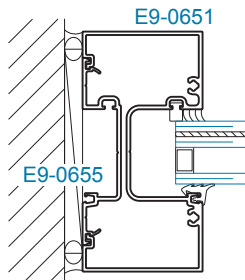
YHS 50 FI STOREFRONT FRAMING MEMBERS WET GLAZING (70 PSF & ABOVE)



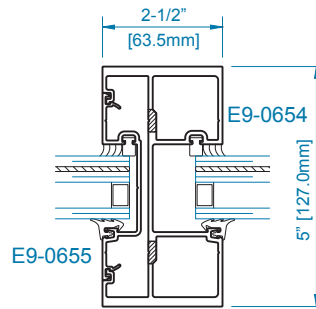
SECTION 6
EXPANSION
MULLION
±65 PSF



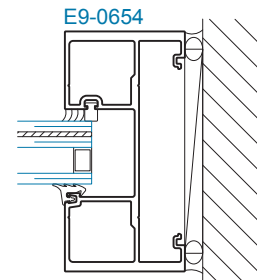
SECTION 1
HEAD
+70/-90 PSF



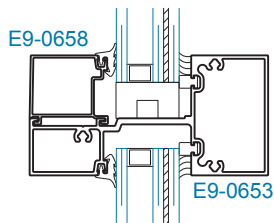
SECTION 4
JAMB
±70 PSF



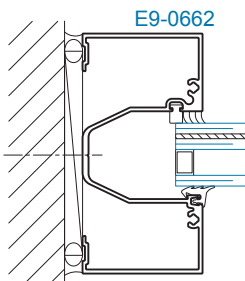
SECTION 5
MULLION
±70 PSF



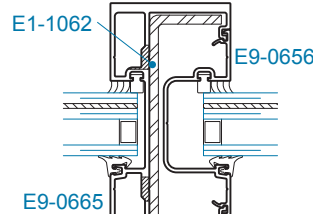
SECTION 4A opp.
JAMB
±70 PSF



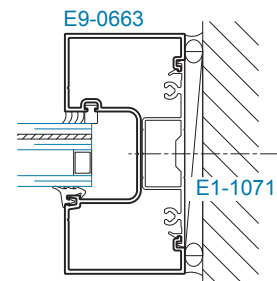
SECTION 2
HORIZONTAL
+70/-90 PSF



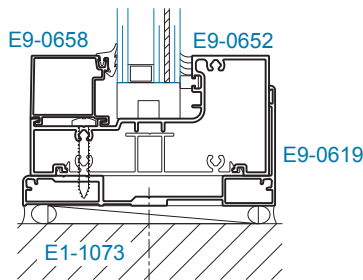
SECTION 4B
JAMB
+70/-90 PSF



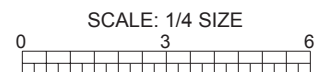
SECTION 5A
MULLION w/
STEEL
+70/-90 PSF



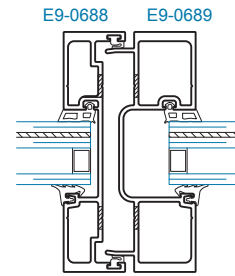
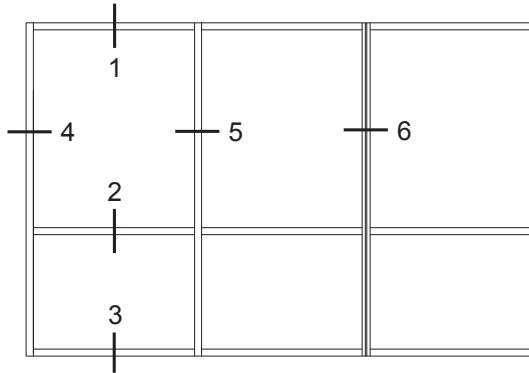
SECTION 4C opp.
JAMB
+70/-90 PSF



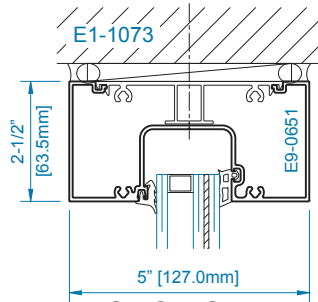
SECTION 3
SILL
+70/-90 PSF



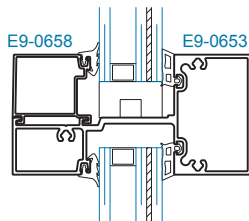
YHS 50 FI STOREFRONT FRAMING MEMBERS DRY GLAZING (70 PSF & ABOVE)



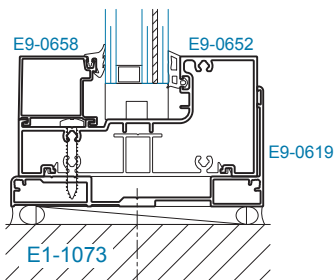
SECTION 6
EXPANSION
MULLION
±65 PSF



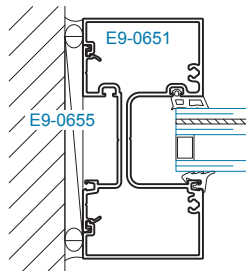
SECTION 1
HEAD
+70/-90 PSF



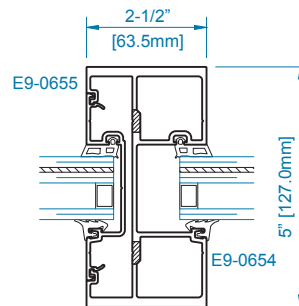
SECTION 2
HORIZONTAL
+70/-90 PSF



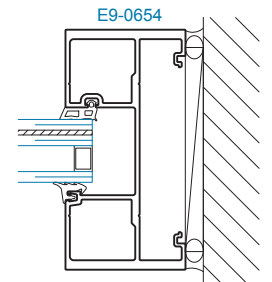
SECTION 3
SILL
+70/-90 PSF



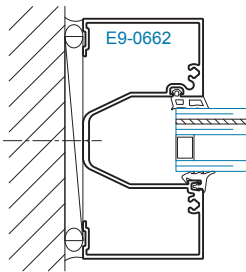
SECTION 4
JAMB
±70 PSF



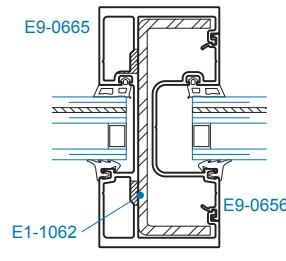
SECTION 5
MULLION
±70 PSF



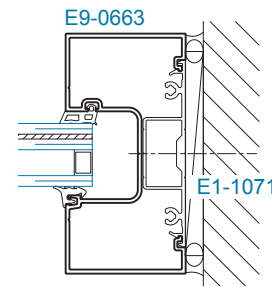
SECTION 4A opp.
JAMB
±70 PSF



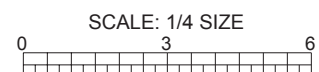
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JAMB
+70/-90 PSF



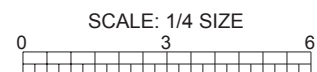
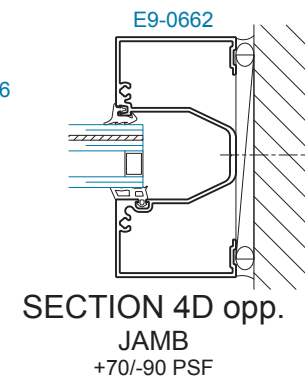
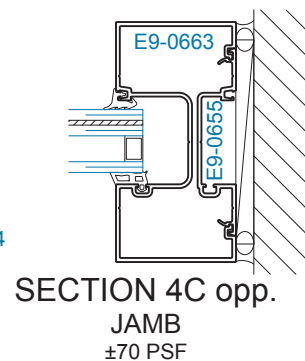
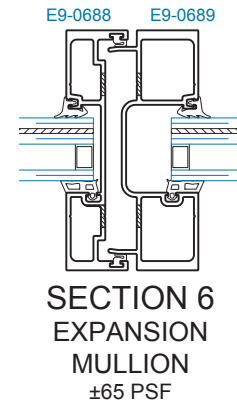
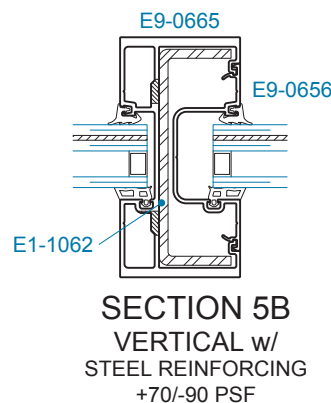
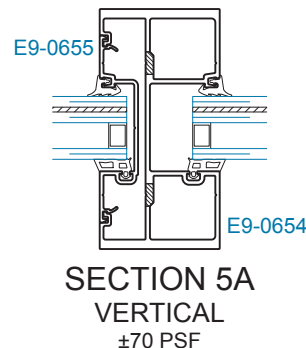
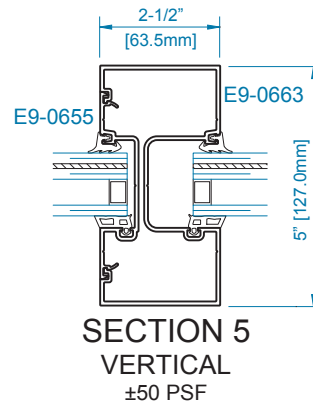
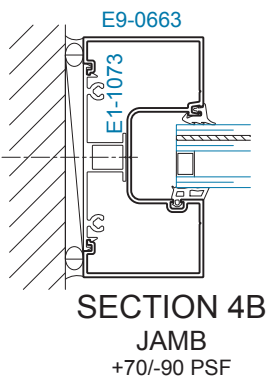
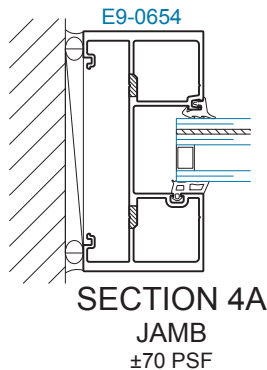
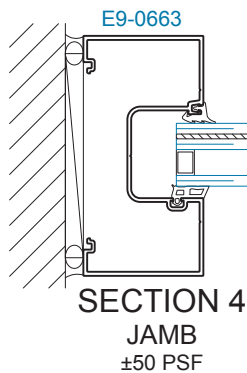
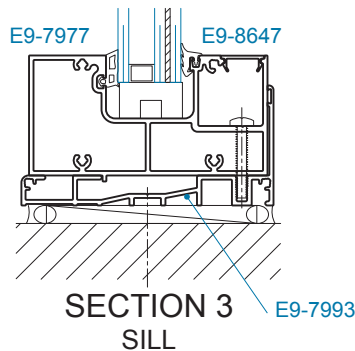
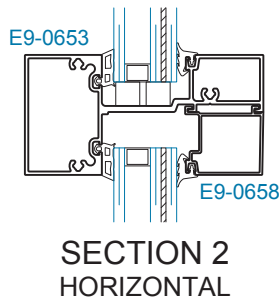
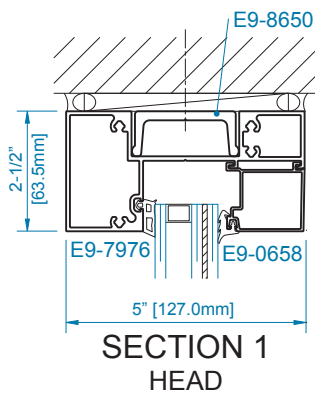
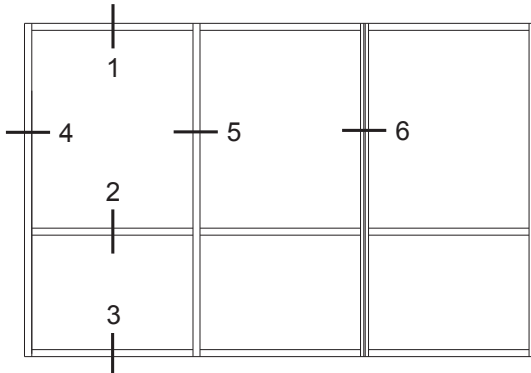
SECTION 5A
MULLION
+70/-90 PSF



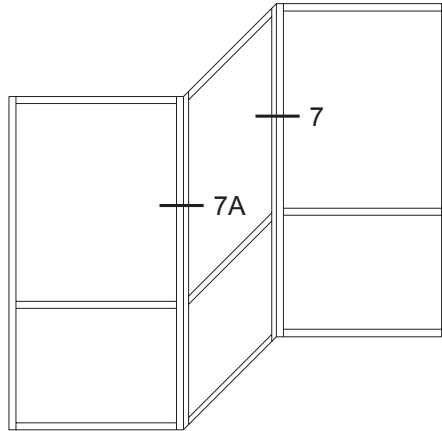
SECTION 4C opp.
JAMB
+70/-90 PSF



YHS 50 FI STOREFRONT FRAMING MEMBERS INSIDE GLAZING



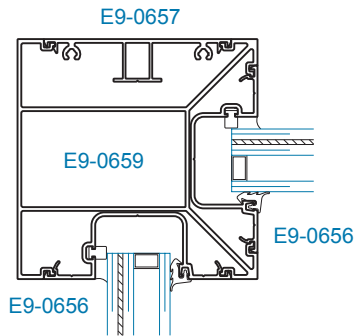
YHS 50 FI STOREFRONT CORNER FRAMING MEMBERS



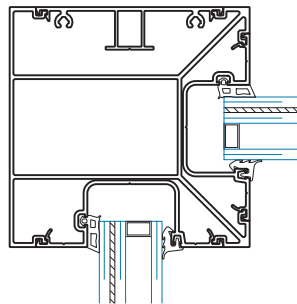
WET GLAZING

DRY GLAZING

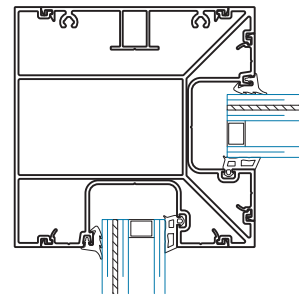
INSIDE GLAZING



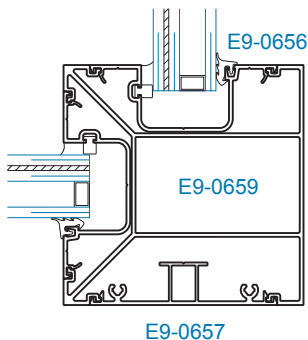
SECTION 7
90° INSIDE CORNER



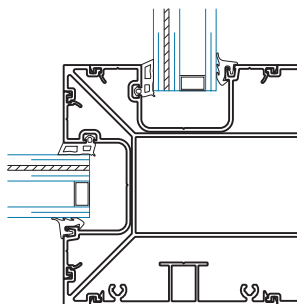
SECTION 7
90° INSIDE CORNER



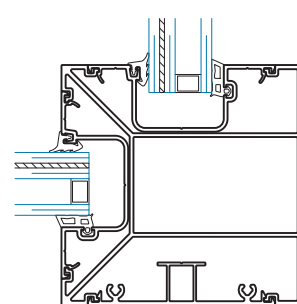
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90° INSIDE CORNER



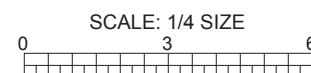
SECTION 7A
90° OUTSIDE CORNER



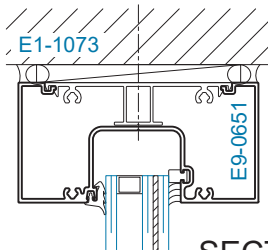
SECTION 7A
90° OUTSIDE CORNER



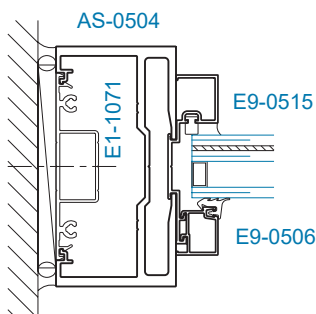
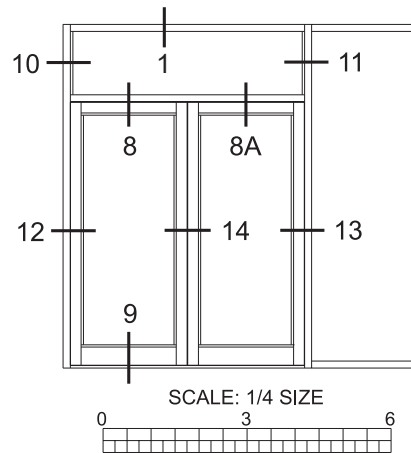
SECTION 7A
90° OUTSIDE CORNER



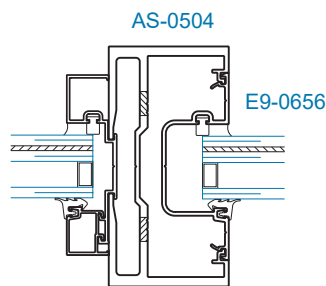
YHS 50 FI STOREFRONT 35H DOOR FRAMING MEMBERS (WET GLAZING)



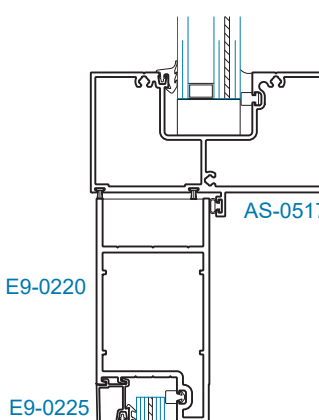
SECTION 1
HEAD @ TRANSOM



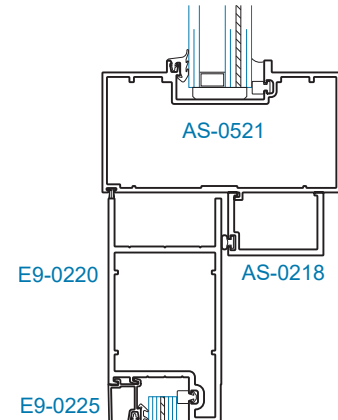
SECTION 10
JAMB @ TRANSOM
w/o SIDELITE



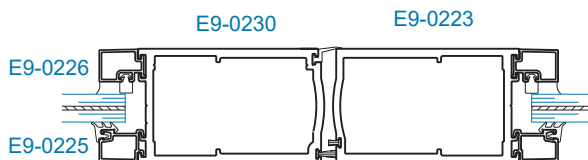
SECTION 11
JAMB @ TRANSOM
w/ SIDELITE



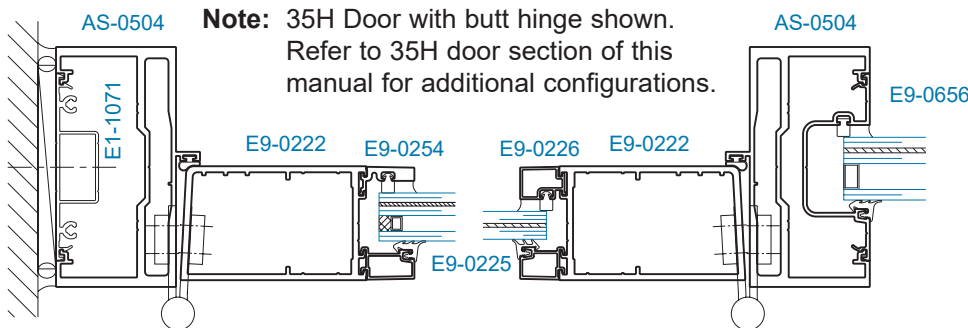
SECTION 8
TRANSOM BAR



SECTION 8A
TRANSOM BAR
FOR OHCC



SECTION 14
MEETING STILE

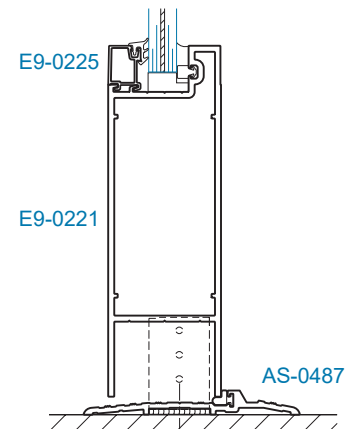


SECTION 12
DOOR JAMB w/o SIDELITE
35H INSULATING GLASS
OPTION SHOWN

Note: 35H Door with butt hinge shown.
Refer to 35H door section of this
manual for additional configurations.

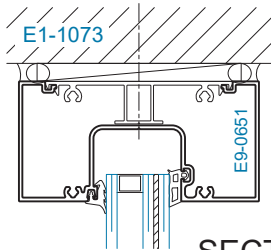
***For 35H Threshold Details, See the 35H
Design Manual.**

SECTION 13
DOOR JAMB w/ SIDELITE

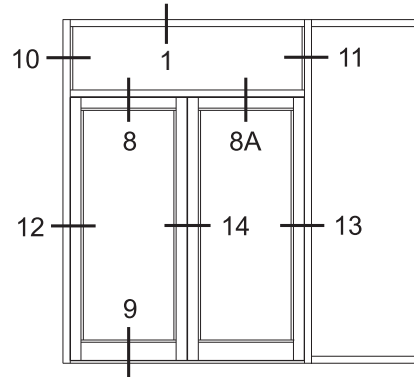


SECTION 9
AIR TIGHT THRESHOLD

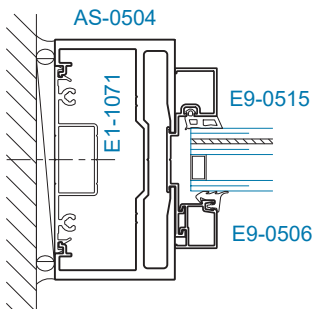
YHS 50 FI STOREFRONT 35H DOOR FRAMING MEMBERS (DRY GLAZING)



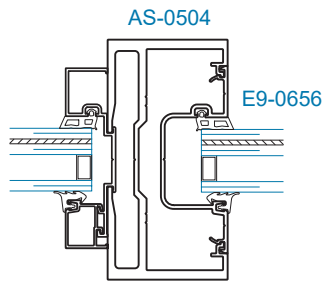
SECTION 1
HEAD @ TRANSOM



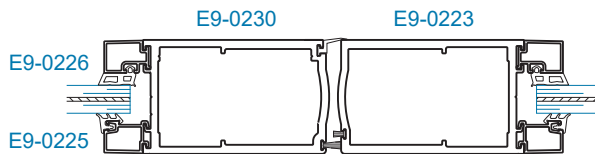
SCALE: 1/4 SIZE



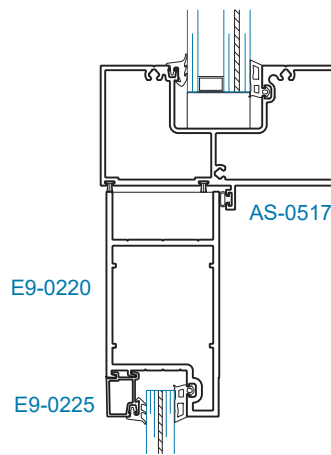
SECTION 10
JAMB @ TRANSOM
w/o SIDELITE



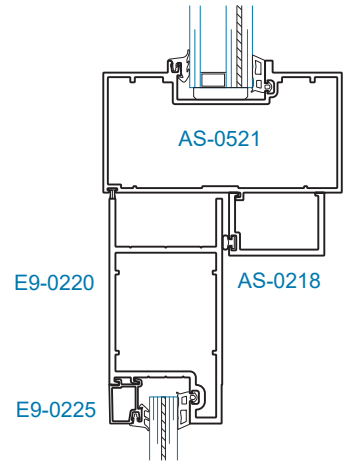
SECTION 11
JAMB @ TRANSOM
w/ SIDELITE



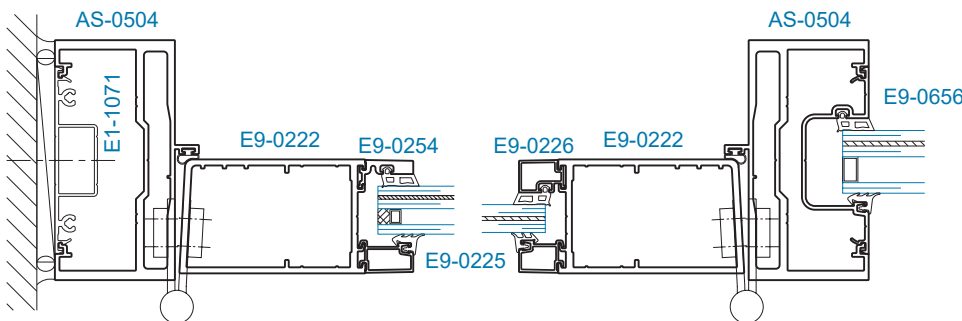
SECTION 14
MEETING STILE



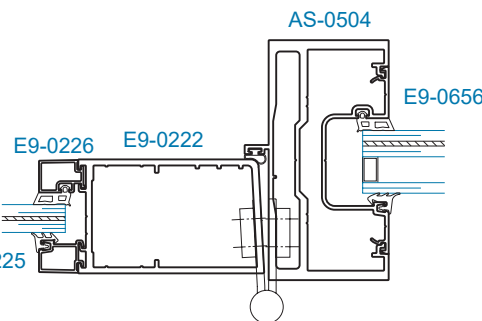
SECTION 8
TRANSOM BAR



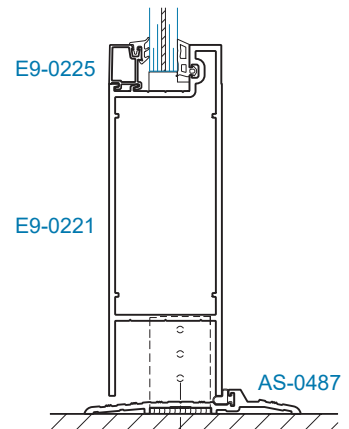
SECTION 8A
TRANSOM BAR
FOR OHCC



SECTION 12
DOOR JAMB w/o SIDELITE
35H INSULATING GLASS
OPTION SHOWN

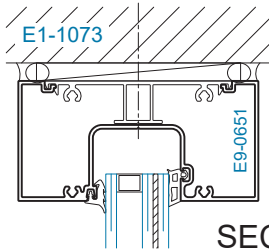


SECTION 13
DOOR JAMB w SIDELITE

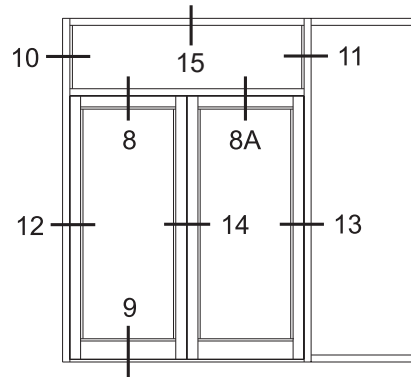


SECTION 9
AIR TIGHT THRESHOLD

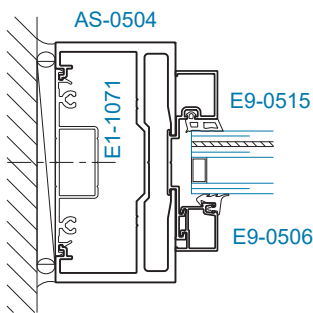
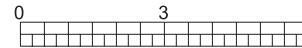
**YHS 50 FI STOREFRONT
35H DOOR FRAMING MEMBERS (INSIDE GLAZING)**



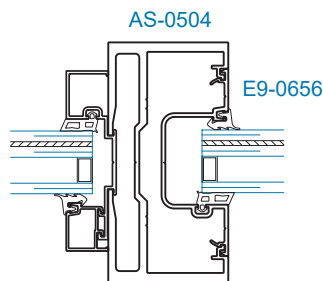
**SECTION 15
HEAD @ TRANSOM**



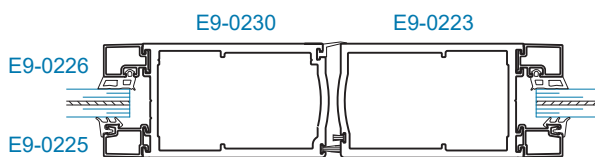
SCALE: 1/4 SIZE



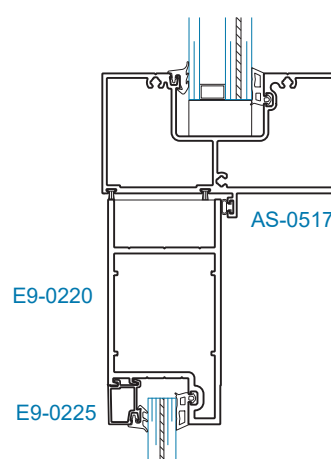
**SECTION 10
JAMB @ TRANSOM
w/o SIDELITE**



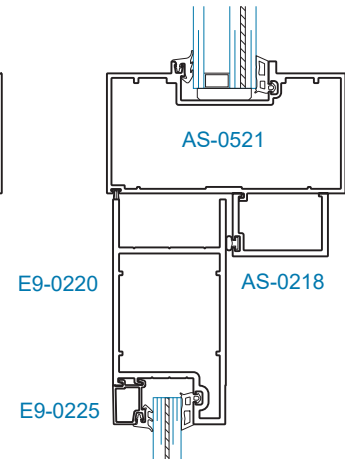
**SECTION 11
JAMB @ TRANSOM
w/ SIDELITE**



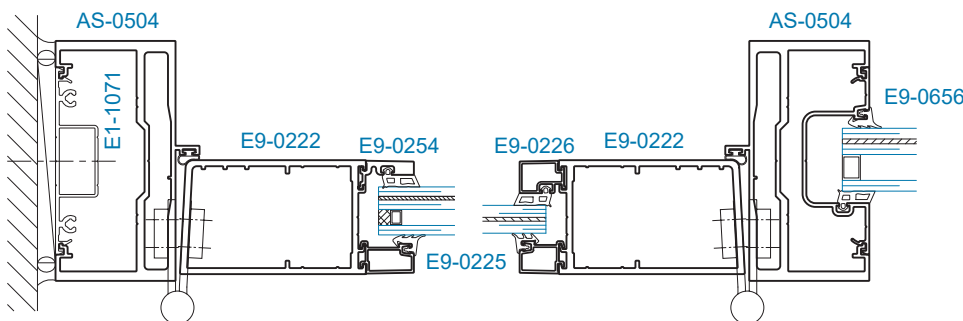
**SECTION 14
MEETING STILE**



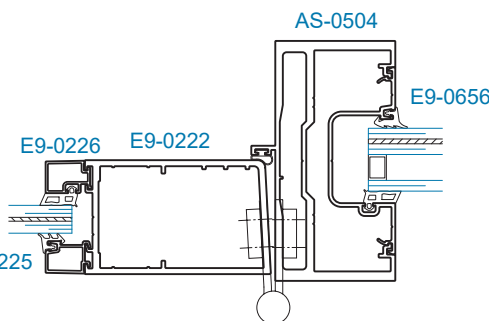
**SECTION 8
TRANSOM BAR**



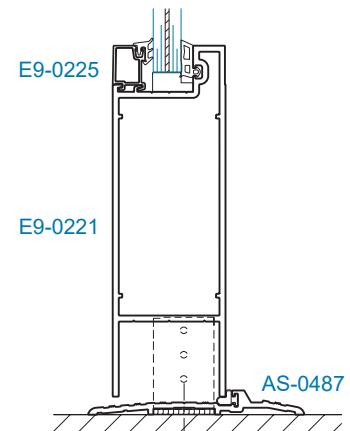
**SECTION 8A
TRANSOM BAR
FOR OHCC**



**SECTION 12
DOOR JAMB w/o SIDELITE
35H INSULATING GLASS
OPTION SHOWN**

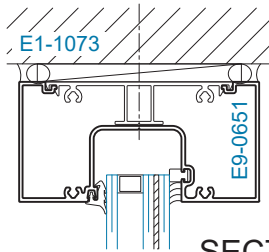


**SECTION 13
DOOR JAMB w SIDELITE**

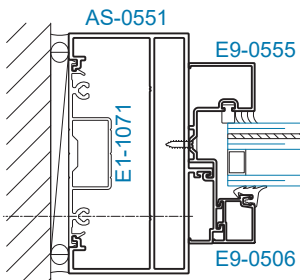
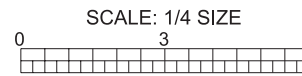
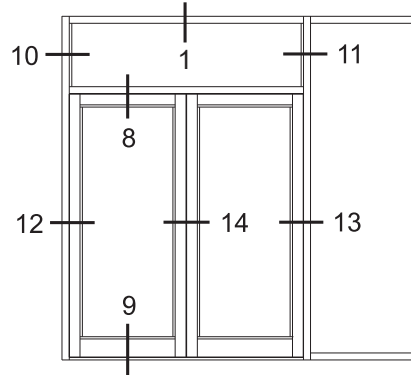


**SECTION 9
AIR TIGHT THRESHOLD**

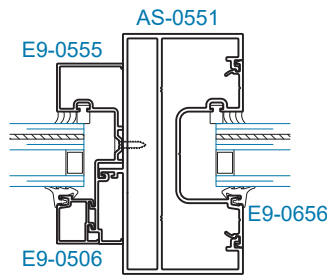
YHS 50 FI STOREFRONT 35HL DOOR FRAMING MEMBERS (WET GLAZING)



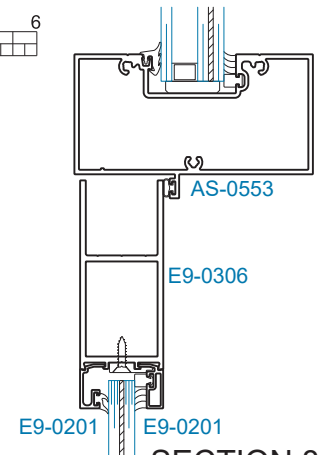
SECTION 1
HEAD @ TRANSOM



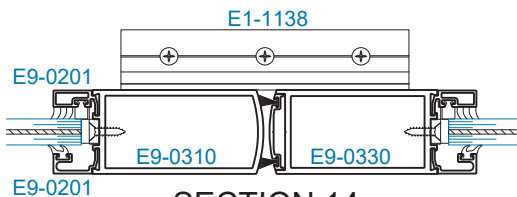
SECTION 10
JAMB @ TRANSOM
w/o SIDELITE



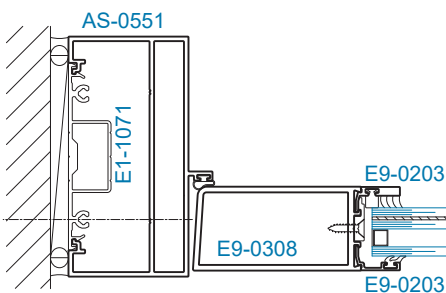
SECTION 11
JAMB @ TRANSOM
w/ SIDELITE



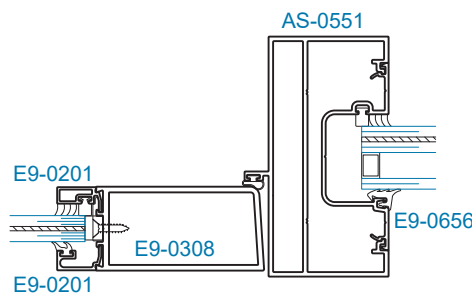
SECTION 8
TRANSOM BAR



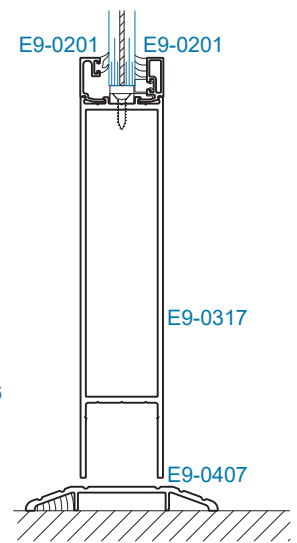
SECTION 14
MEETING STILE



SECTION 12
DOOR JAMB w/o SIDELITE
35HL INSULATING GLASS
OPTION SHOWN

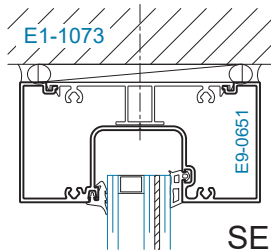


SECTION 13
DOOR JAMB w SIDELITE

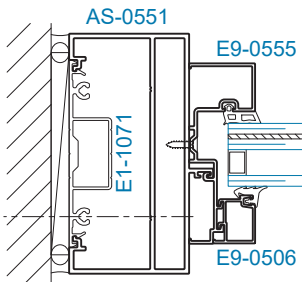
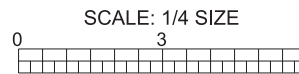
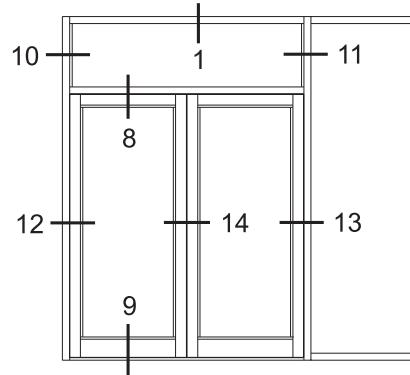


SECTION 9
AIR TIGHT THRESHOLD

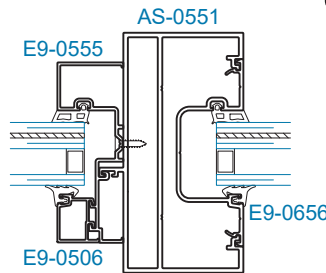
YHS 50 FI STOREFRONT 35HL DOOR FRAMING MEMBERS (DRY GLAZING)



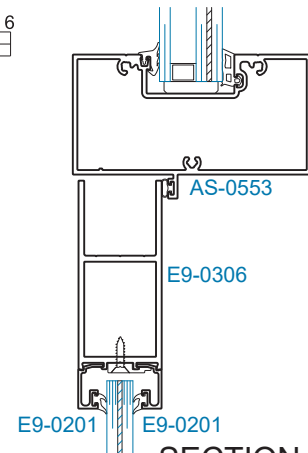
SECTION 1
HEAD @ TRANSOM



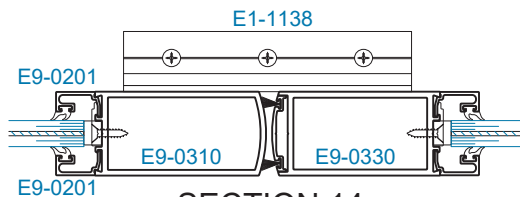
SECTION 10
JAMB @ TRANSOM
w/o SIDELITE



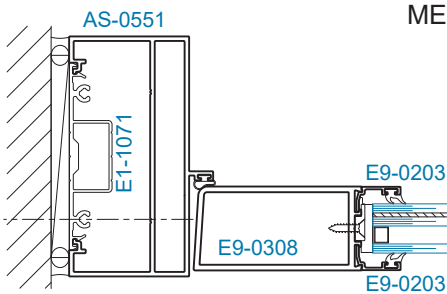
SECTION 11
JAMB @ TRANSOM
w/ SIDELITE



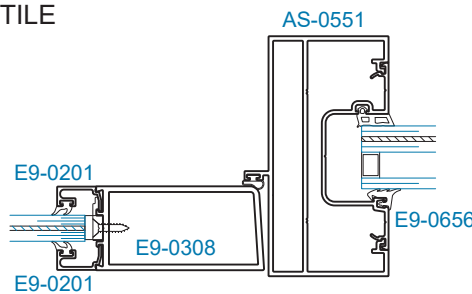
SECTION 8
TRANSOM BAR



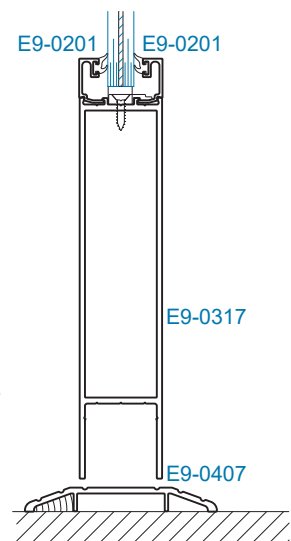
SECTION 14
MEETING STILE



SECTION 12
DOOR JAMB w/o SIDELITE
35HL INSULATING GLASS
OPTION SHOWN

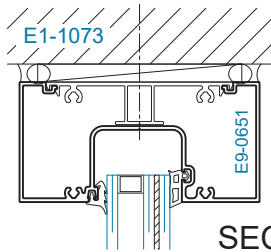


SECTION 13
DOOR JAMB w SIDELITE

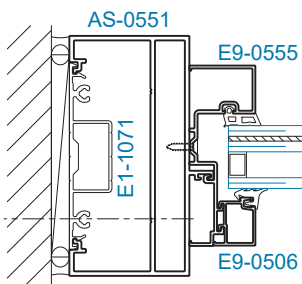
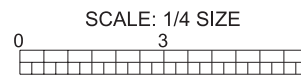
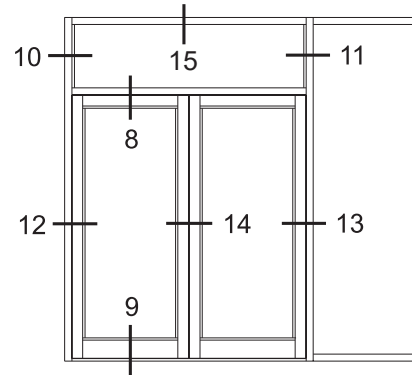


SECTION 9
AIR TIGHT THRESHOLD

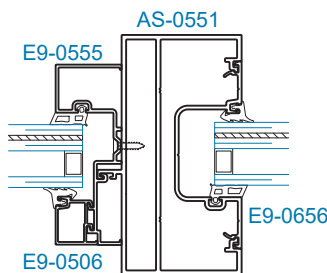
YHS 50 FI STOREFRONT 35HL DOOR FRAMING MEMBERS (INSIDE GLAZING)



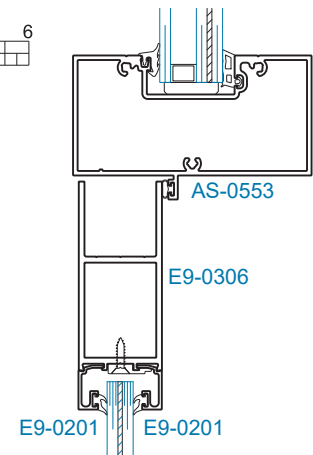
SECTION 15
HEAD @ TRANSOM



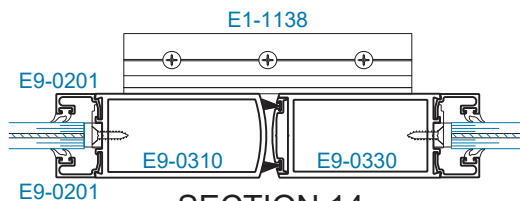
SECTION 10
JAMB @ TRANSOM
w/o SIDELITE



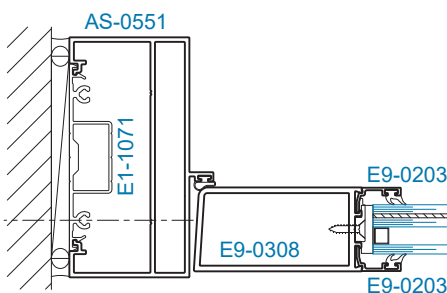
SECTION 11
JAMB @ TRANSOM
w/ SIDELITE



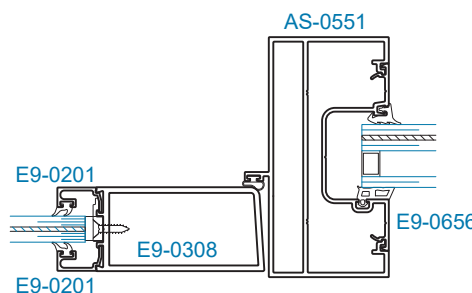
SECTION 8
TRANSOM BAR



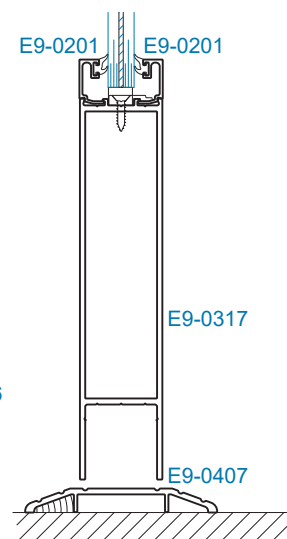
SECTION 14
MEETING STILE



SECTION 12
DOOR JAMB w/o SIDELITE
35HL INSULATING GLASS
OPTION SHOWN



SECTION 13
DOOR JAMB w SIDELITE



SECTION 9
AIR TIGHT THRESHOLD

YHS 50 FI STOREFRONT WIND LOAD CHARTS

NON-FLORIDA APPLICATIONS

DEFLECTION CRITERIA: AAMA TIR-A11 - L/175 or

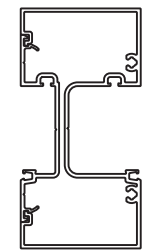
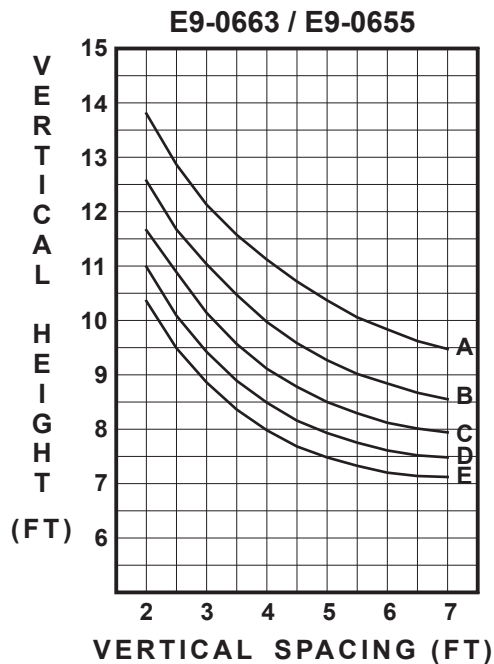
L/240 + 1/4" (6.4mm) - FOR SPANS GREATER THAN 13'-6" (4.1m) BUT LESS THAN 40'-0" (12.2m)

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

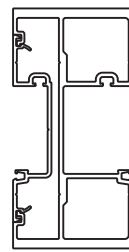
ALLOWABLE WIND LOAD STRESS

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

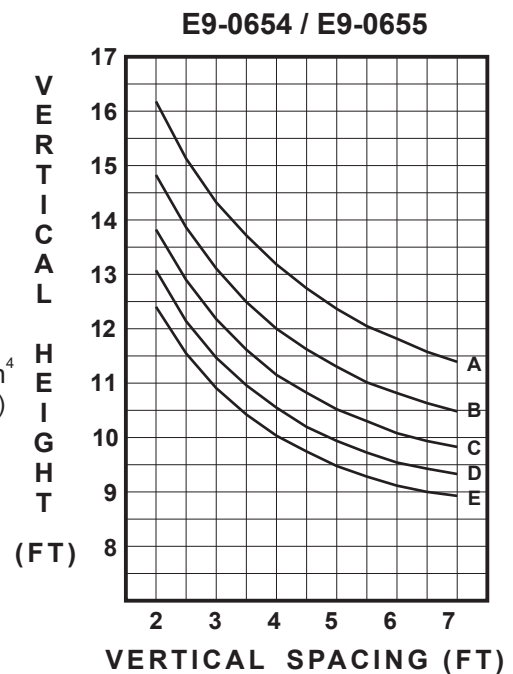
These charts include unbraced length analysis and are based off at least one horizontal being placed at the midpoint of the span. For other applications, please contact YKK AP engineers at 1-866-955-2732.



$I_{xx} = 5.148 \text{ in}^4$
(314.28 cm^4)

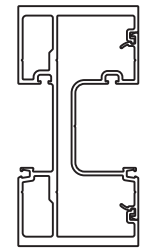
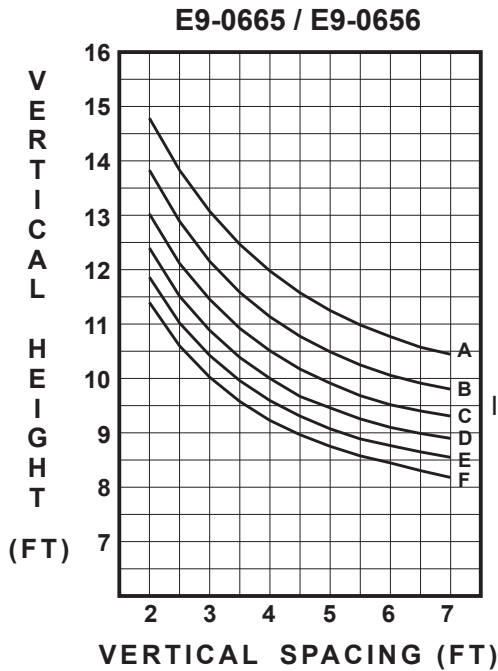


$I_{xx} = 8.680 \text{ in}^4$
(361.28 cm^4)

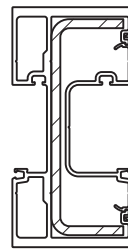


YHS 50 FI STOREFRONT WIND LOAD CHARTS

NON-FLORIDA

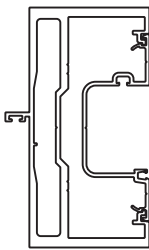
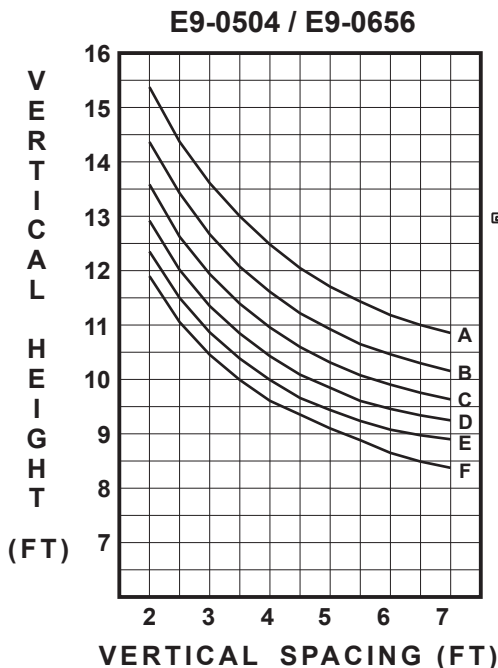
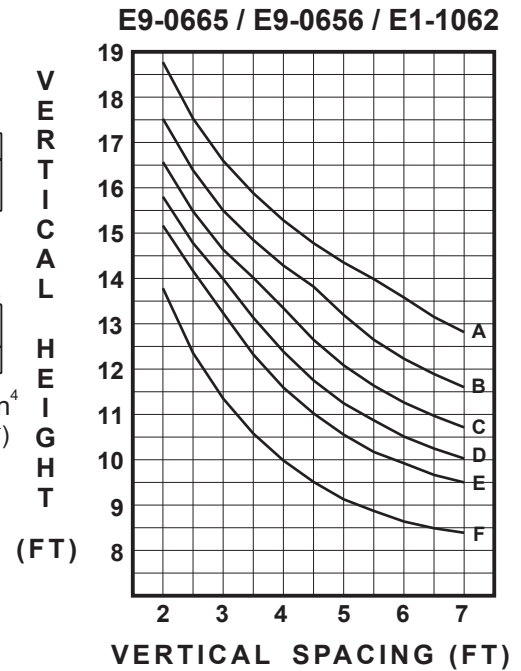


$I_{xx}=8.607 \text{ in}^4$
(358.25 cm⁴)

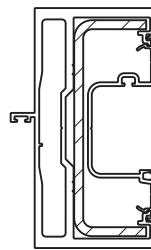


$I_{xx}=18.734 \text{ in}^4$
(779.77 cm⁴)

A = 40 PSF (1920 Pa)
B = 50 PSF (2390 Pa)
C = 60 PSF (2870 Pa)
D = 70 PSF (3350 Pa)
E = 80 PSF (3830 Pa)
F = 90 PSF (4310 Pa)



$I_{xx}=9.791 \text{ in}^4$
(407.53 cm⁴)



$I_{xx}=19.918 \text{ in}^4$
(829.05 cm⁴)

