

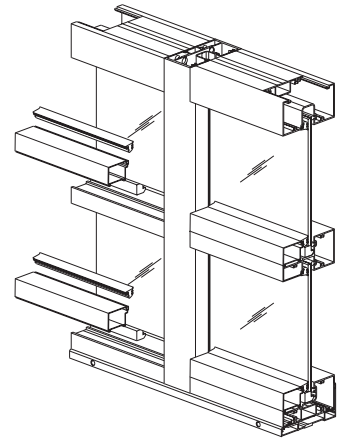
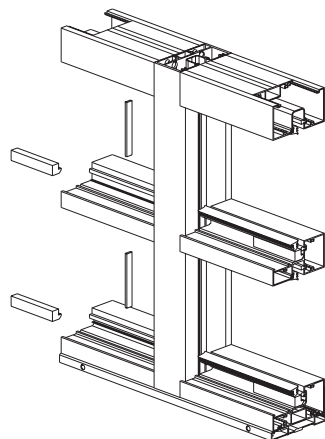
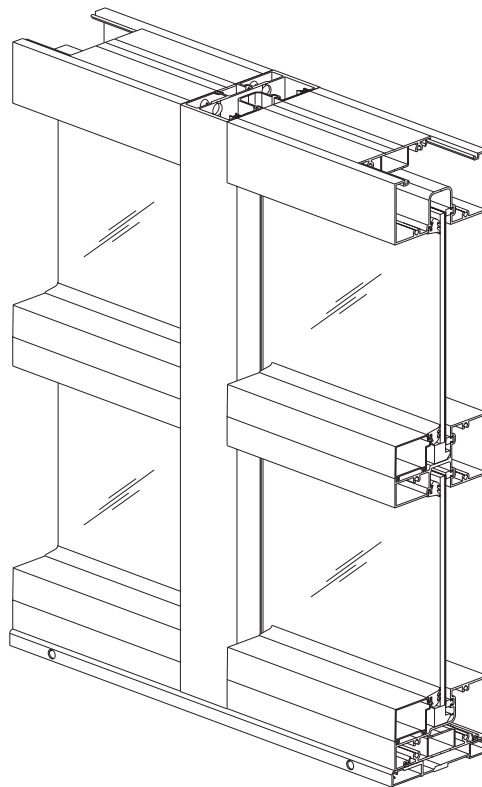
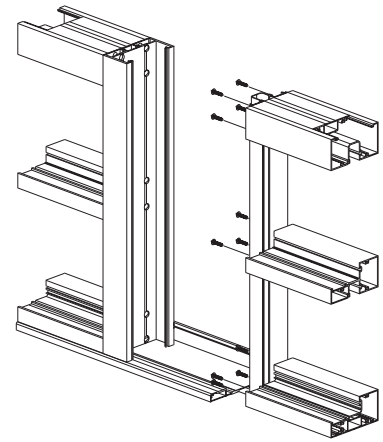
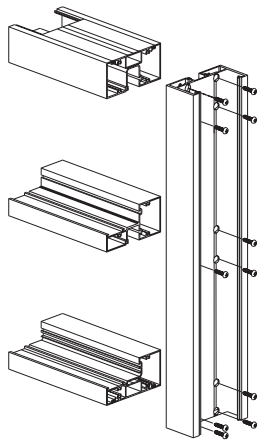
TABLE OF CONTENTS

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

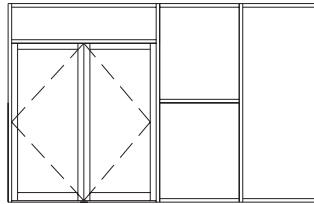
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TYPICAL ELEVATIONS	Page 3
FRAMING MEMBERS (1/4 SIZE)	Pages 4 to 7
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(NON-FLORIDA)	

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

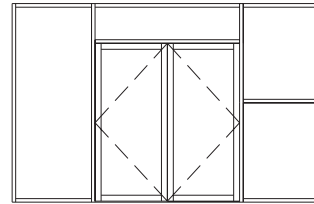
YHS 50 FS PICTORIAL VIEW



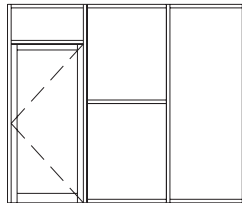
YHS 50 FS AND 35H/35HL DOOR TYPICAL ELEVATIONS



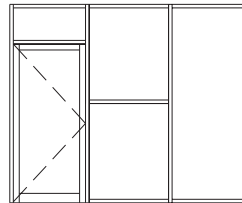
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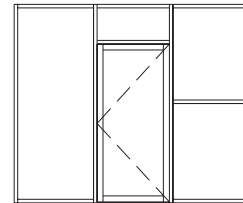
EXAMPLE 2



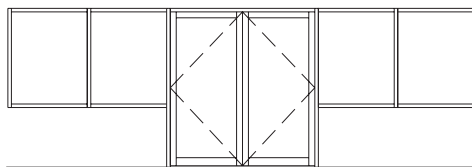
EXAMPLE 3



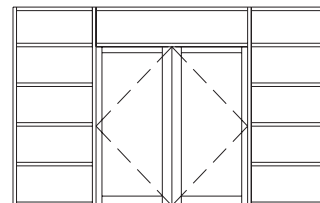
EXAMPLE 4



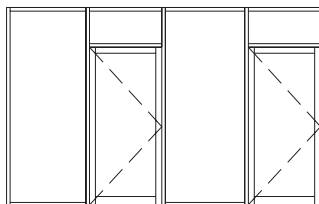
EXAMPLE 5



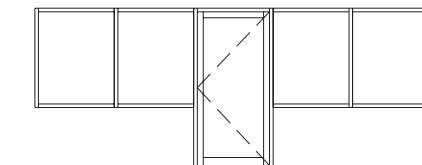
EXAMPLE 6



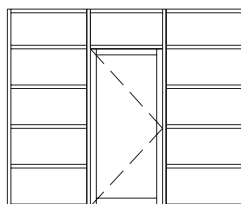
EXAMPLE 7



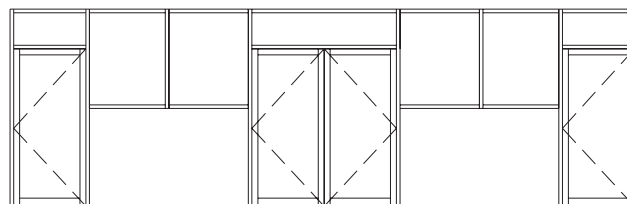
EXAMPLE 8



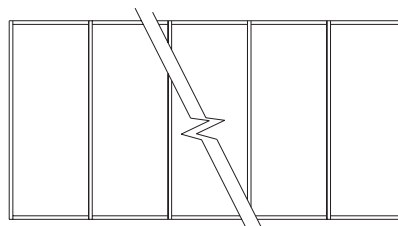
EXAMPLE 9



EXAMPLE 10



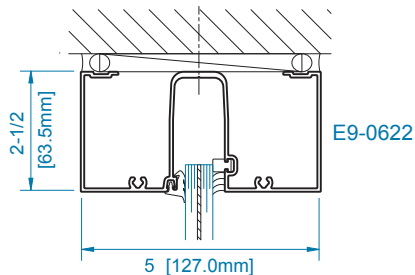
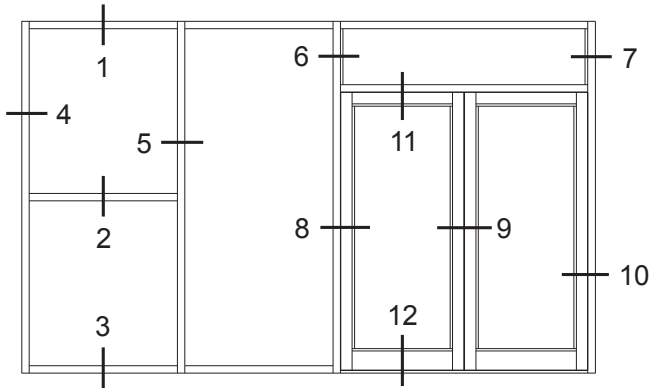
EXAMPLE 11



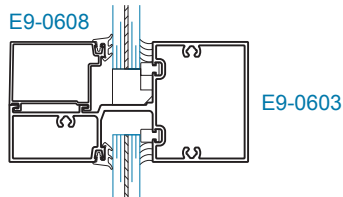
EXAMPLE 12

Other variations available; please consult with YKK AP Technical Center.

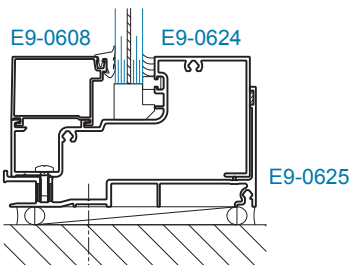
YHS 50 FS ±50 PSF STOREFRONT FRAMING MEMBERS w/ 35HL DOOR



SECTION 1
HEAD
±50 PSF

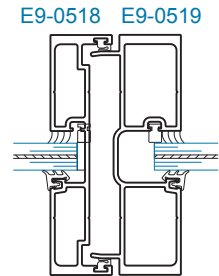
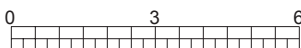


SECTION 2
HORIZONTAL

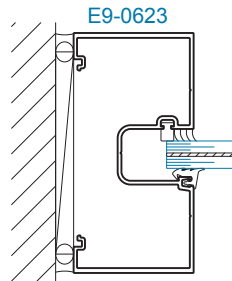


SECTION 3
SILL
±50 PSF

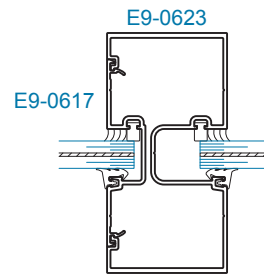
SCALE: 1/4 SIZE



SECTION 5A
EXPANSION
MULLION
±65 PSF

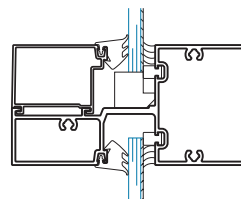


SECTION 4
JAMB
±50 PSF

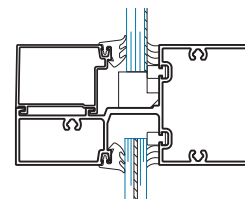


SECTION 5
MULLION
±50 PSF

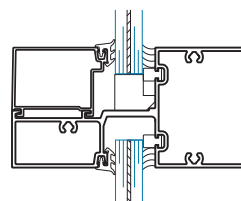
GLAZING OPTIONS (Typ.)



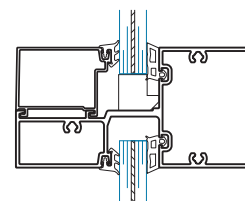
1/4" Glazing
(Not in FPA)



7/16" Glazing
(Not in FPA)

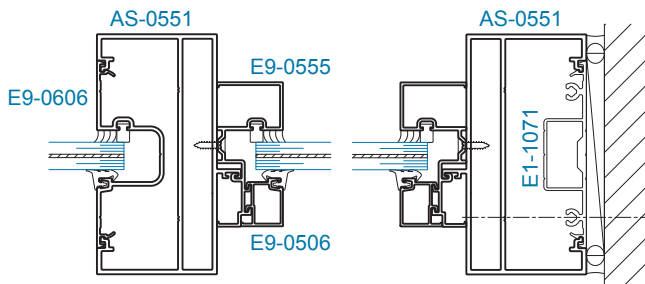


9/16" Glazing



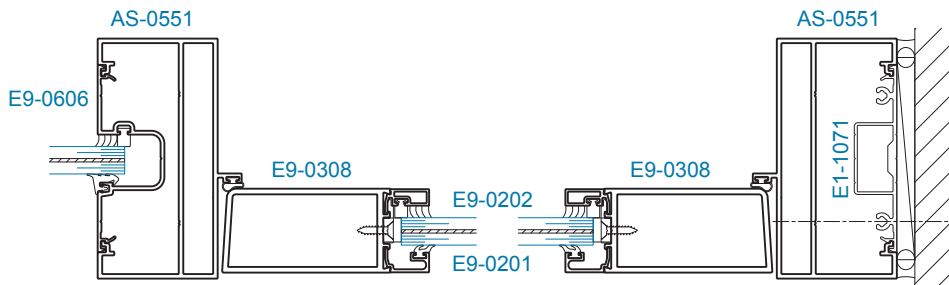
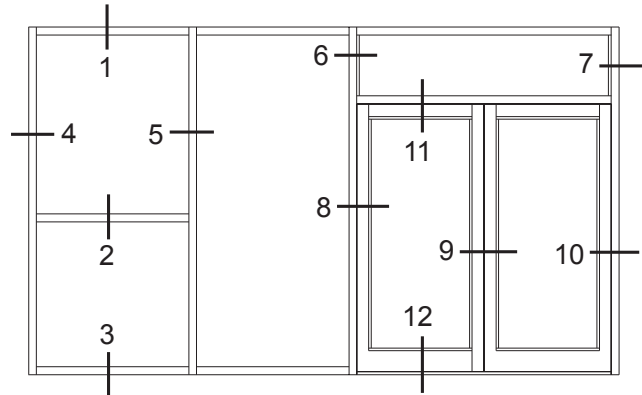
9/16" Dry Glazing

YHS 50 FS ±50 PSF STOREFRONT FRAMING MEMBERS w/ 35HL DOOR



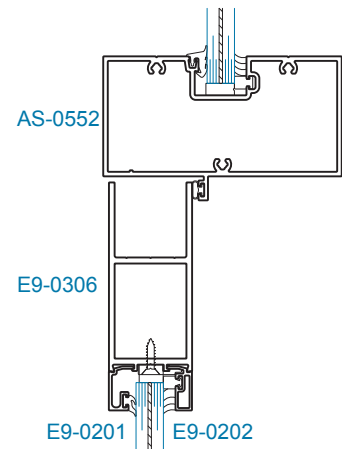
SECTION 6
JAMB @ TRANSOM
w/ SIDELITE
(±50 psf)

SECTION 7
JAMB @ TRANSOM
w/o SIDELITE
(±50 psf)

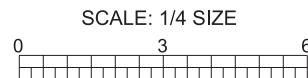


SECTION 8
JAMB w/ SIDELITE
(±50 psf)

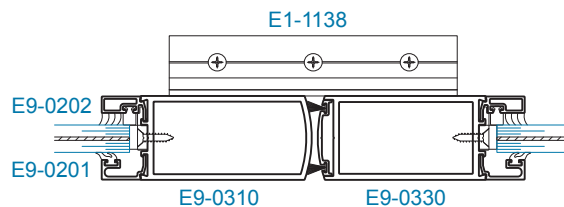
SECTION 10
JAMB w/o SIDELITE
(±50 psf)



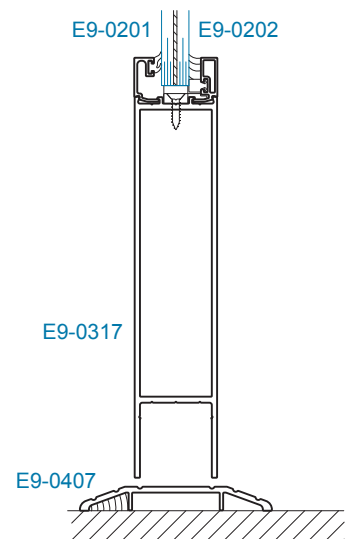
SECTION 11
TRANSOM BAR
(±50 psf)



*For 35H Threshold Details, See the 35H Section of this Manual.

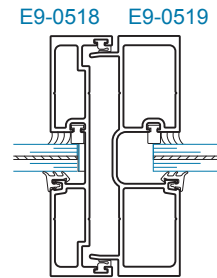
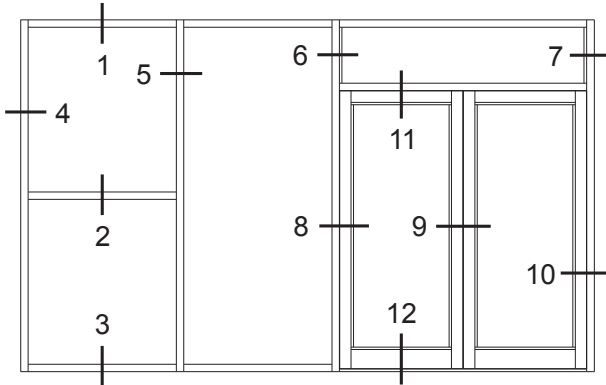


SECTION 9
MEETING STILE
(±50 psf)

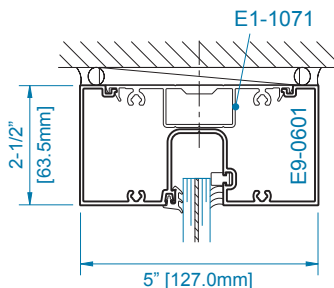


SECTION 12
THRESHOLD
(±50 psf)

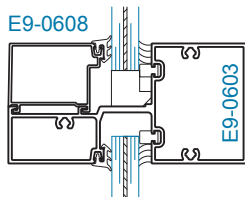
YHS 50 FS STOREFRONT +70/-90 PSF FRAMING MEMBERS w/ 35H DOOR



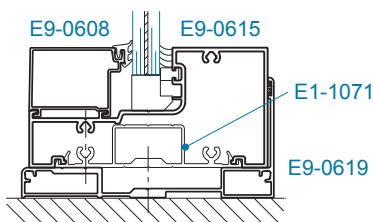
SECTION 5B
EXPANSION
MULLION
(±65 psf)



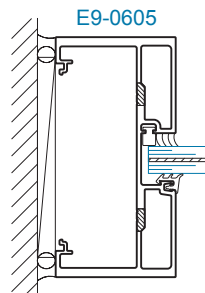
SECTION 1
HEAD
(+70/-90 psf)



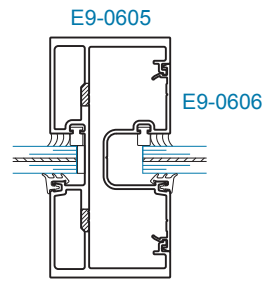
SECTION 2
HORIZONTAL
(+70/-90 psf)



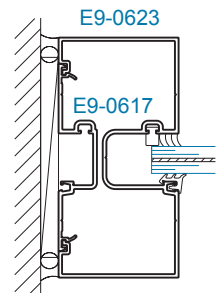
SECTION 3
SILL
(+70/-90 psf)



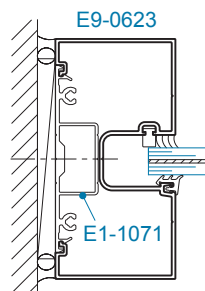
SECTION 4
JAMB
(±70 psf)



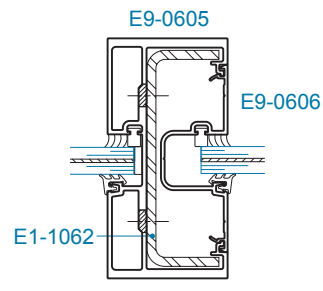
SECTION 5
VERTICAL
(±70 psf)



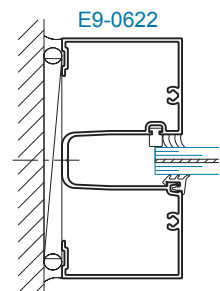
SECTION 4B
JAMB
(±70 psf)



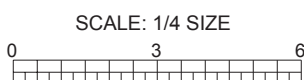
SECTION 4A
JAMB
(±70/-90 psf)



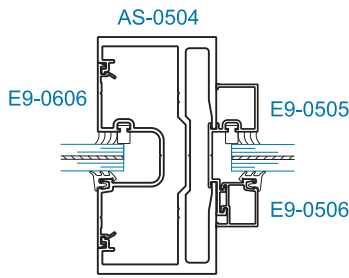
SECTION 5A
VERTICAL w/
STEEL REINFORCING
(+70/-90 psf)



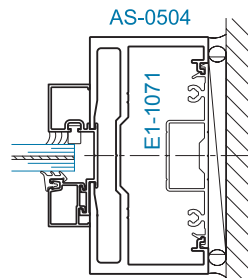
SECTION 4C
JAMB
(±70/-90 psf)



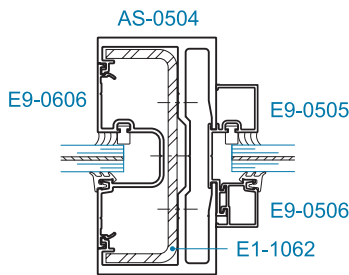
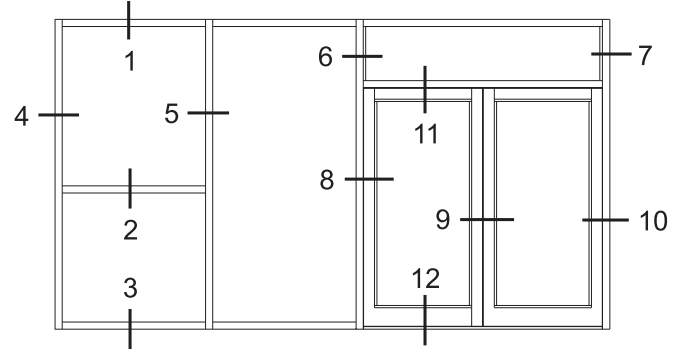
YHS 50 FS STOREFRONT +70/-90 PSF FRAMING MEMBERS w/ 35H DOOR



SECTION 6
JAMB @ TRANSOM
w/ SIDELITE
(±70 psf)

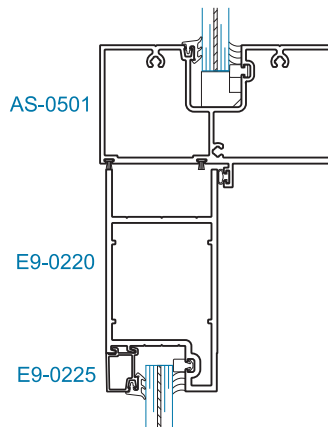
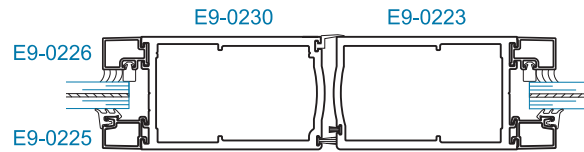


SECTION 7
JAMB @ TRANSOM
w/o SIDELITE
(+70/-90 psf)

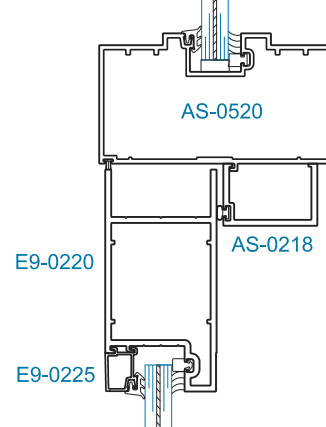


SECTION 6A
JAMB @ TRANSOM
w/ STEEL REINFORCING
(+70/-90 psf)

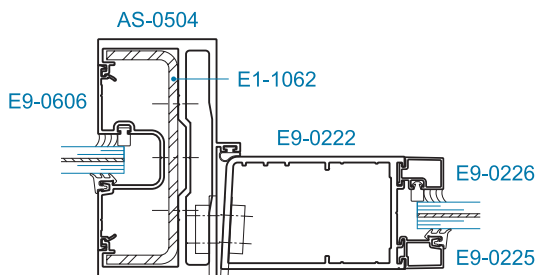
SECTION 9
MEETING STILE
(+70/-90 psf)



SECTION 11
TRANSOM BAR
(+70/-90 psf)

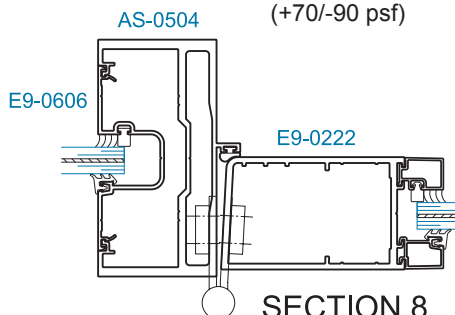
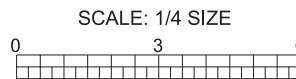


SECTION 11A
OHCC TRANSOM BAR
(+70/-90 psf)

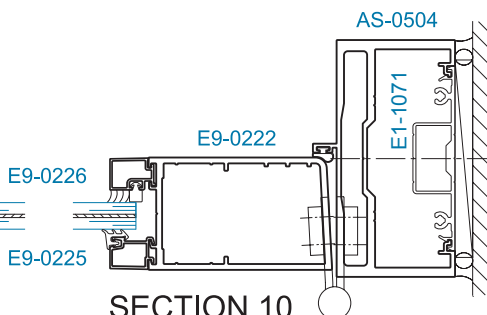


SECTION 8A
JAMB w/ SIDELITE
w/ STEEL REINFORCING
(+70/-90 psf)

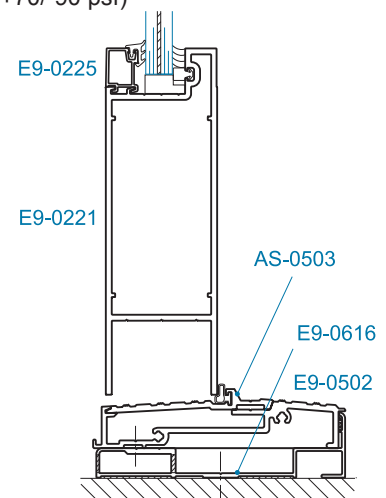
Note: 35H Door with butt hinge shown. Refer to 35H door section of this manual for additional configurations.



SECTION 8
JAMB w/ SIDELITE

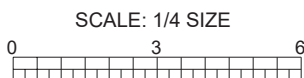
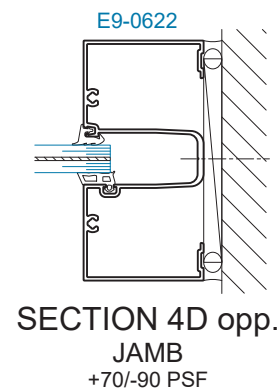
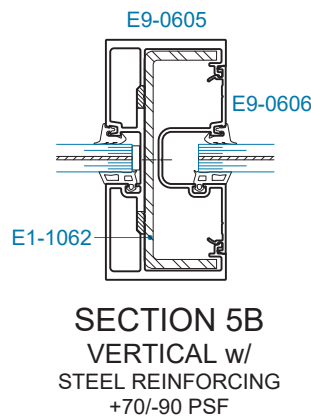
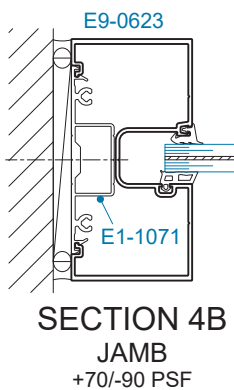
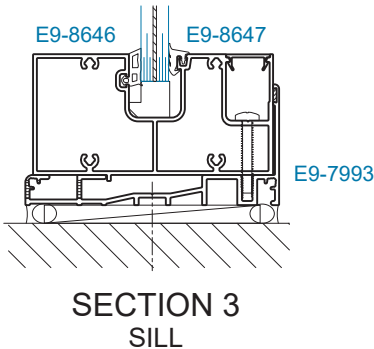
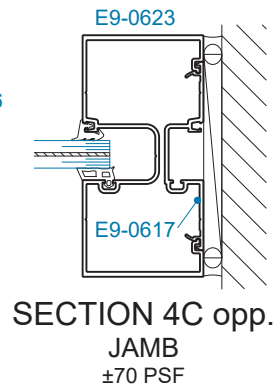
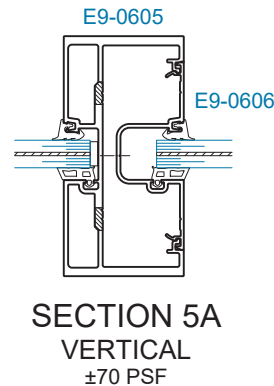
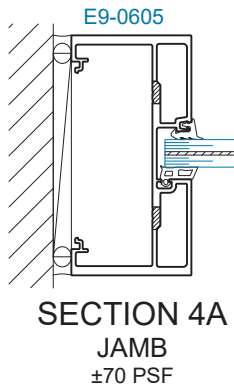
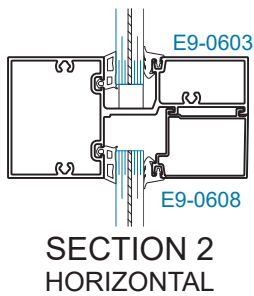
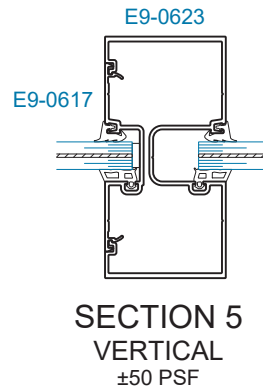
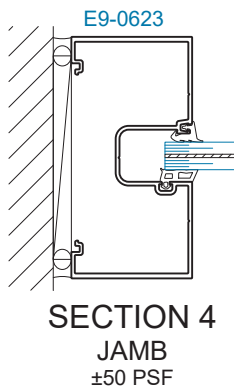
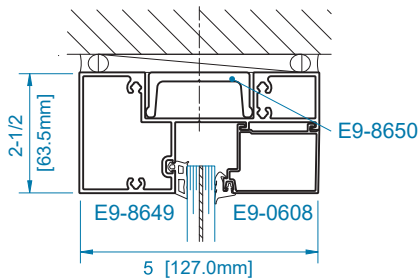
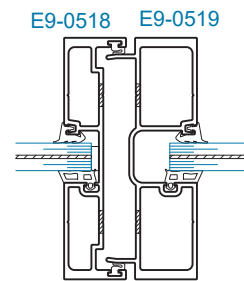
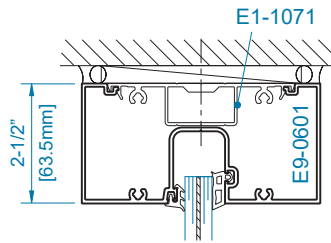
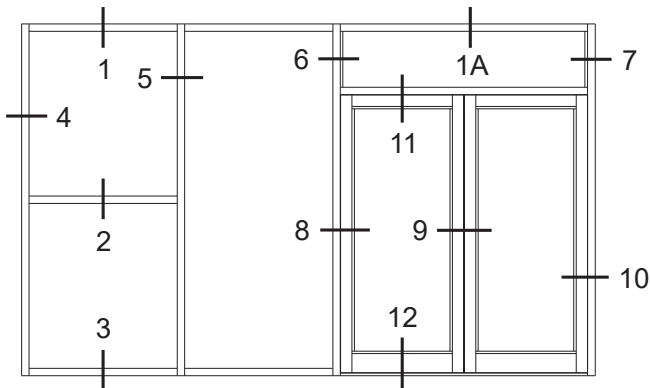


SECTION 10
JAMB w/o SIDELITE

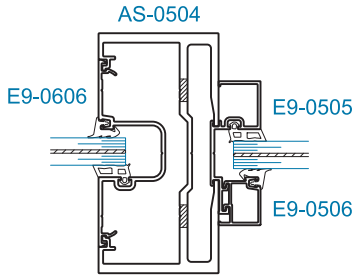


SECTION 12
WATER RESISTANT
THRESHOLD

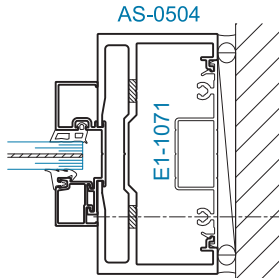
YHS 50 FS STOREFRONT FRAMING MEMBERS (INSIDE GLAZING)



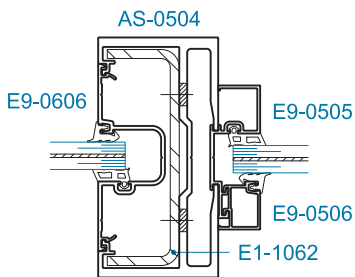
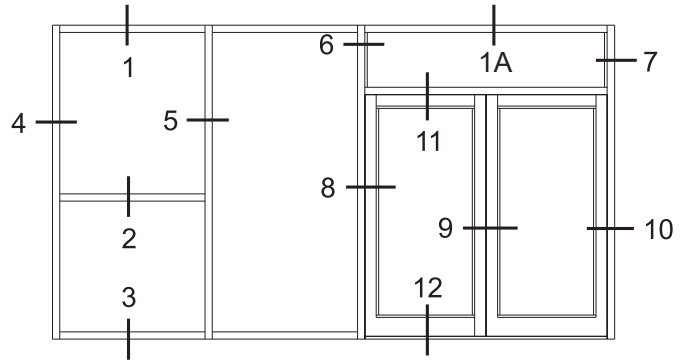
YHS 50 FS DOOR FRAMING MEMBERS (35H, INSIDE GLAZING)



SECTION 6
JAMB @ TRANSOM
w/ SIDELITE

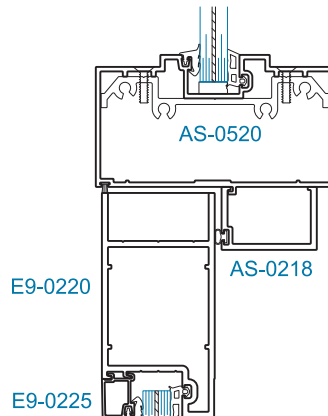
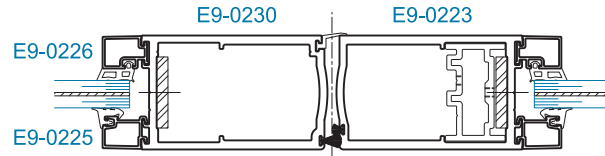


SECTION 7
JAMB @ TRANSOM
w/o SIDELITE

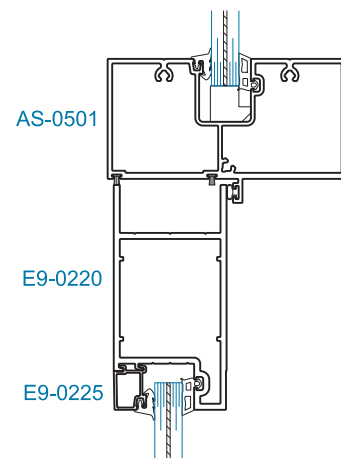


SECTION 6A
JAMB @ TRANSOM
w/ STEEL REINFORCING

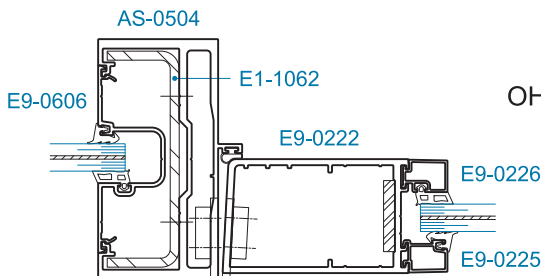
SECTION 9
MEETING STILE



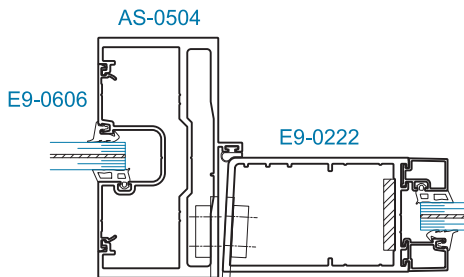
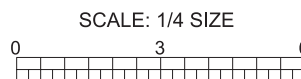
SECTION 11A
OHCC TRANSOM BAR



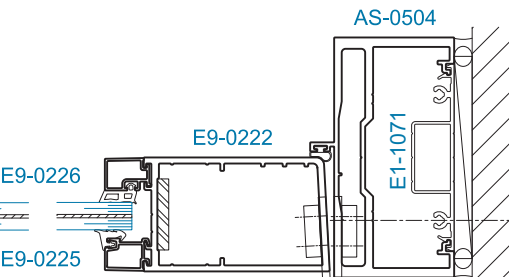
SECTION 11
TRANSOM BAR



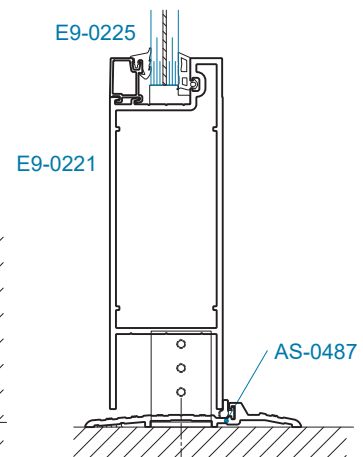
SECTION 8A
JAMB w/ SIDELITE
w/ STEEL REINFORCING



SECTION 8
JAMB w/ SIDELITE

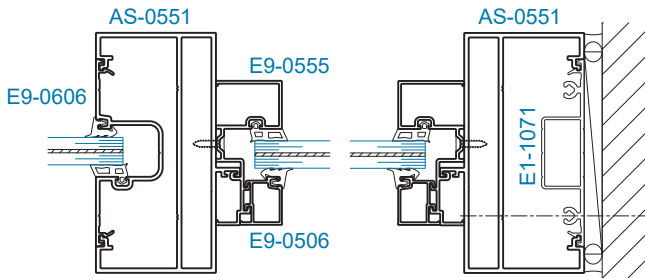


SECTION 10
JAMB w/o SIDELITE



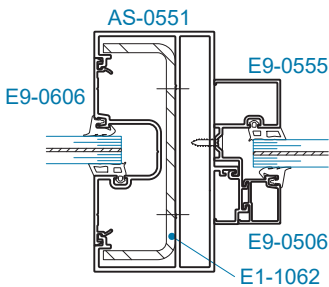
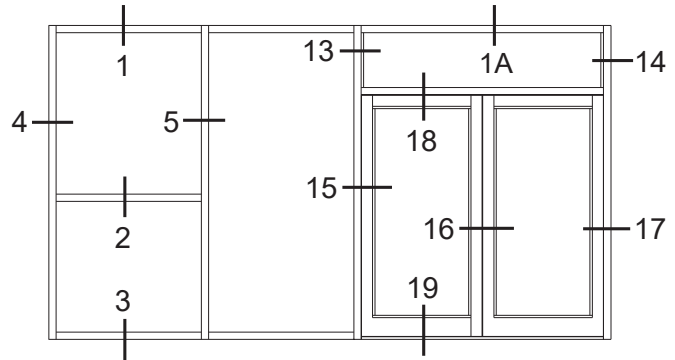
SECTION 12
AIR RESISTANT
THRESHOLD

YHS 50 FS DOOR FRAMING MEMBERS (35HL, INSIDE GLAZING)



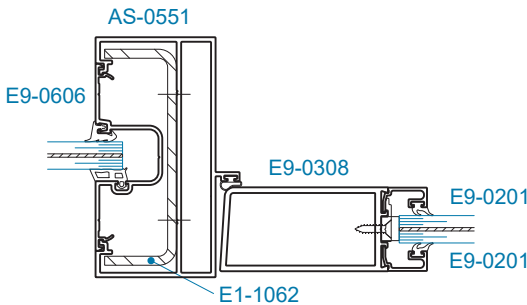
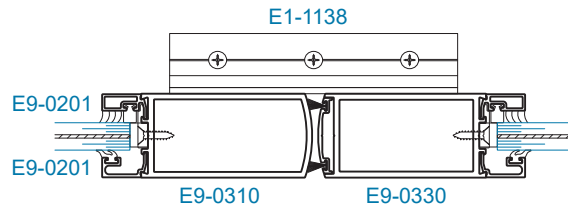
SECTION 13
JAMB @ TRANSOM
w/ SIDELITE

SECTION 14
JAMB @ TRANSOM
w/o SIDELITE

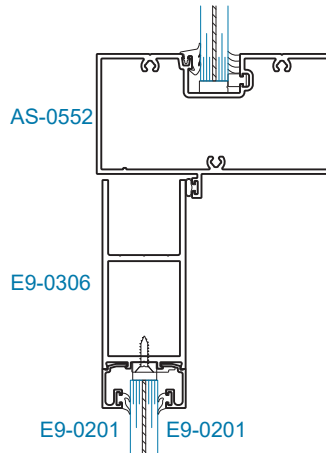


SECTION 13A
JAMB @ TRANSOM
w/ STEEL REINFORCING

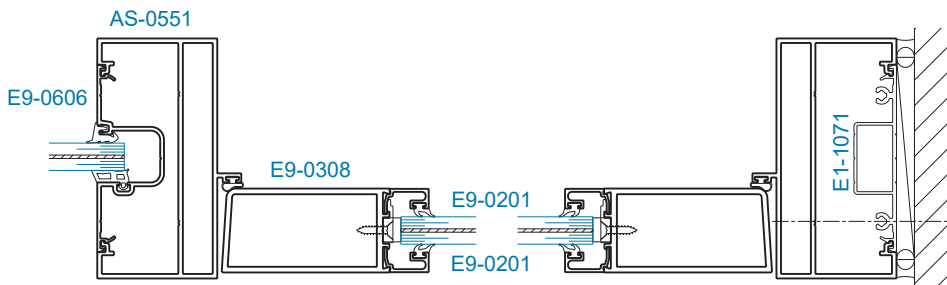
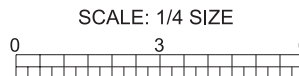
SECTION 16
MEETING STILE



SECTION 15A
JAMB w/ SIDELITE
w/ STEEL REINFORCING

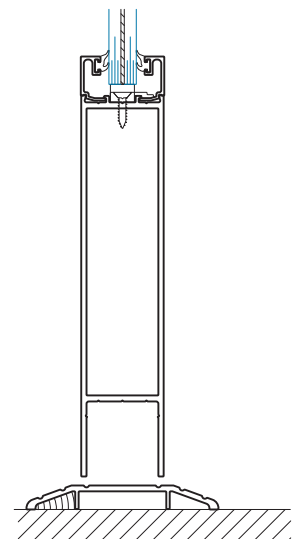


SECTION 18
TRANSOM BAR



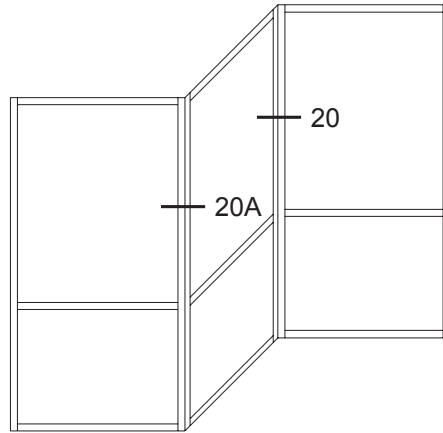
SECTION 15
JAMB w/ SIDELITE

SECTION 17
JAMB w/o SIDELITE



SECTION 19
THRESHOLD

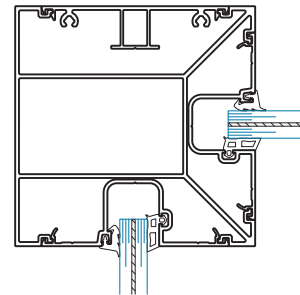
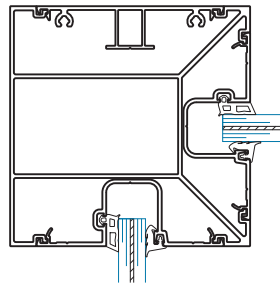
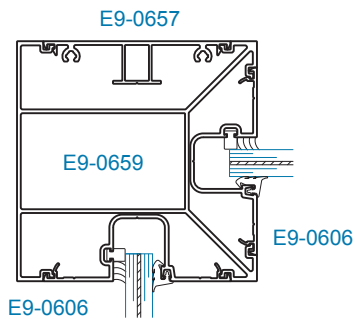
YHS 50 FS STOREFRONT CORNER FRAMING MEMBERS



WET GLAZING

DRY GLAZING

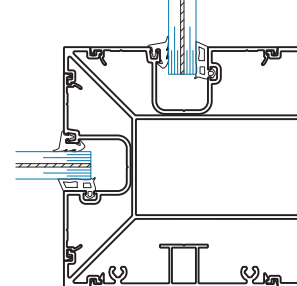
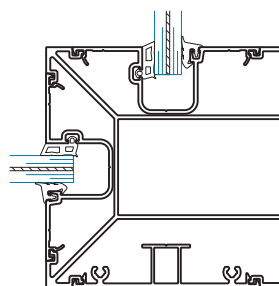
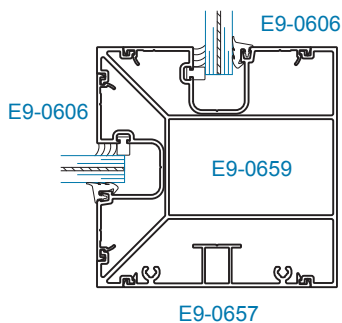
INSIDE GLAZING



SECTION 20
90° INSIDE CORNER

SECTION 20
90° INSIDE CORNER

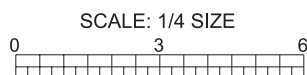
SECTION 20
90° INSIDE CORNER



SECTION 20A
90° OUTSIDE CORNER

SECTION 20A
90° OUTSIDE CORNER

SECTION 20A
90° OUTSIDE CORNER



YHS 50 FS STOREFRONT WIND LOAD CHARTS

NON-FLORIDA

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)

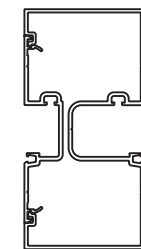
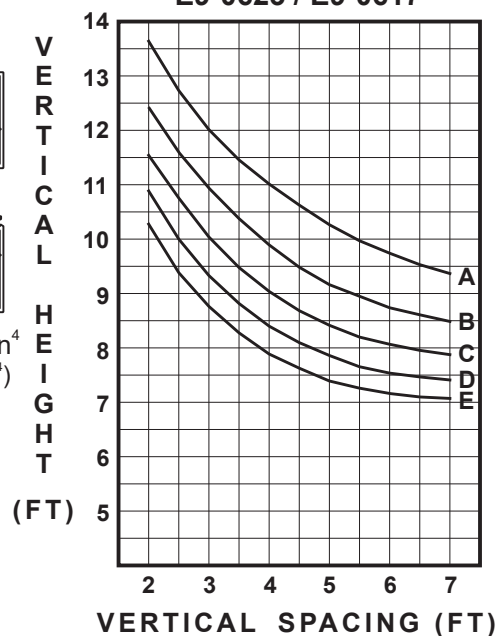
CODES AND SPECIFICATIONS MAY VARY, NO SINGLE LITE OF GLASS SHALL DEFLECT MORE THAN 3/4" (19.1mm)

ALLOWABLE WIND LOAD STRESS

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

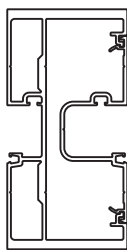
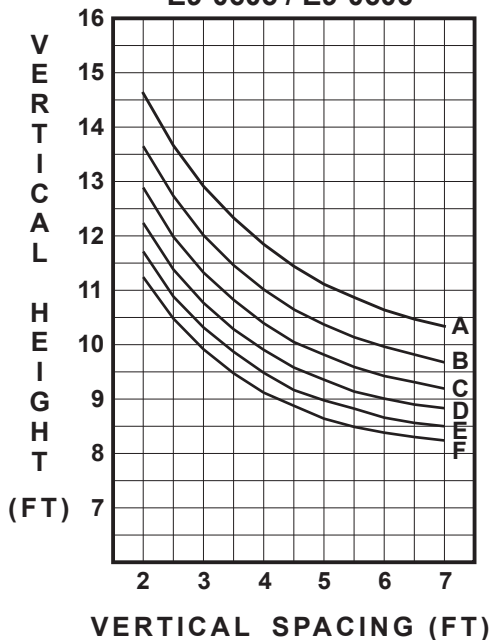
These charts include unbraced length analysis and are based off at least one horizontal being placed at the midpoint of the span. For other applications, please contact YKK AP engineers at 1-866-955-2732.

E9-0623 / E9-0617

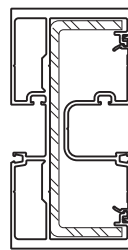


$I_{xx}=4.983 \text{ in}^4$
(207.41 cm^4)

E9-0605 / E9-0606

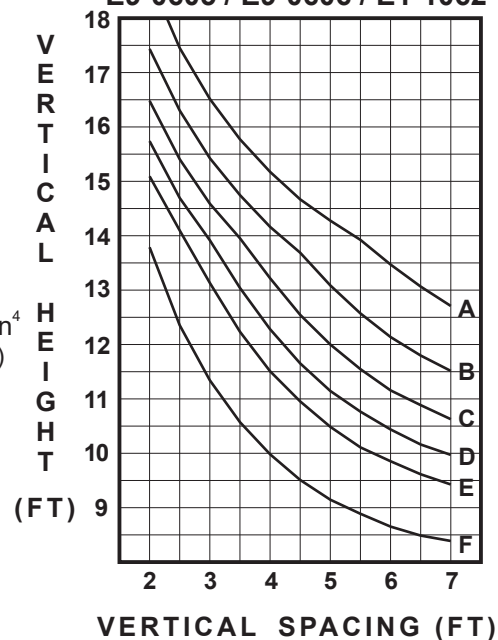


$I_{xx}=8.307 \text{ in}^4$
(345.76 cm^4)



$I_{xx}=18.434 \text{ in}^4$
(767. cm^4)

E9-0605 / E9-0606 / E1-1062



YHS 50 FS STOREFRONT WIND LOAD CHARTS

NON-FLORIDA

