

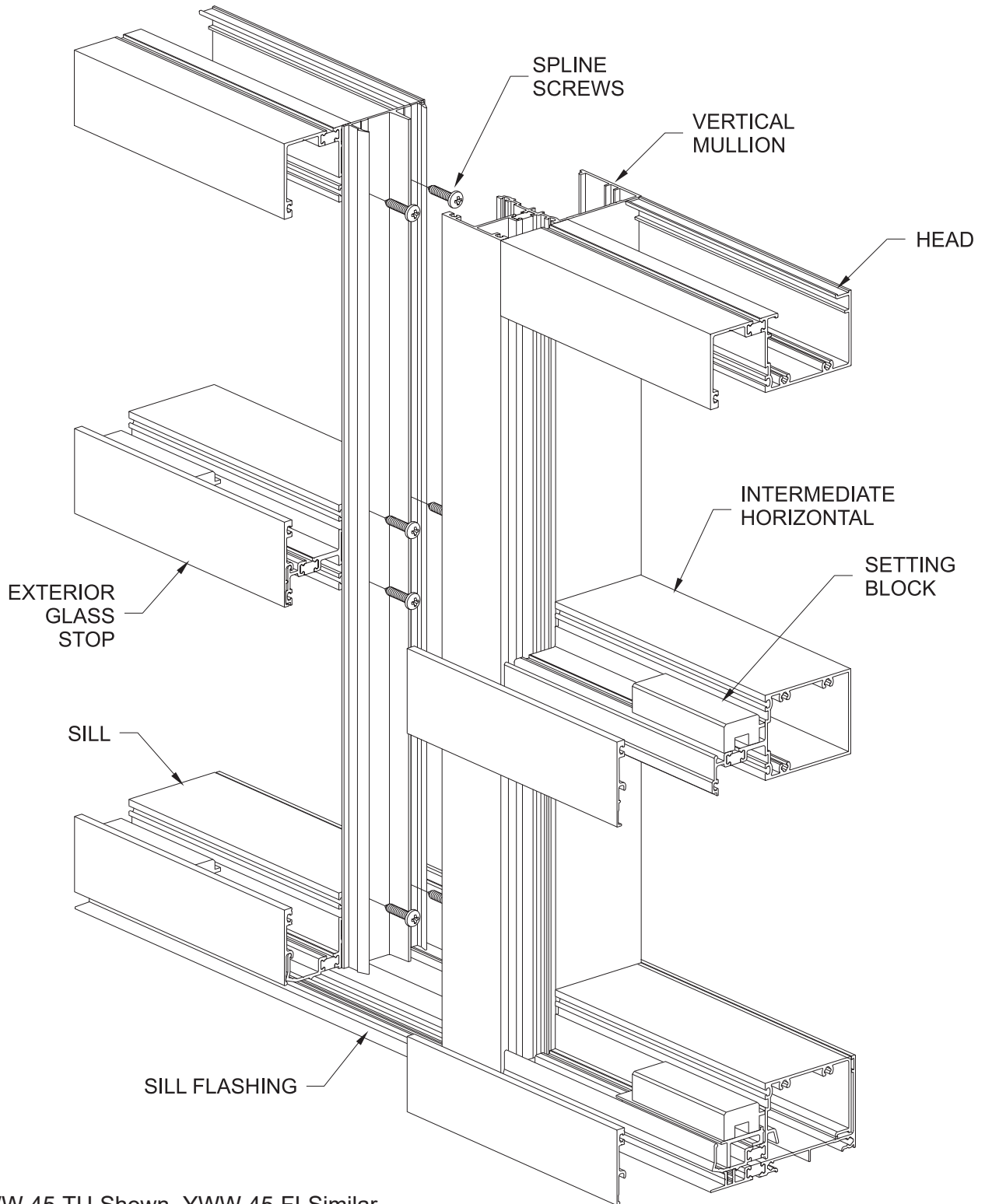
TABLE OF CONTENTS

**YWW 45 FI WINDOW WALL SYSTEM FOR 1" GLAZING
YWW 45 TU THERMAL WINDOW WALL SYSTEM FOR 1" GLAZING
2-1/4" x 4-1/2"**

PICTORIAL VIEWS	Page 2 to 5
YWW 45 FI FRAMING MEMBERS (1/4 SIZE).....	Page 6 to 10
YWW 45 TU FRAMING MEMBERS (1/4 SIZE).....	Page 11 to 15
SSG CORNER FRAMING MEMBERS (1/4 SIZE)	Page 16
DOOR FRAMING MEMBERS (1/4 SIZE)	Pages 17 to 18
WIND LOAD / DEAD LOAD CHARTS	Pages 19 to 21

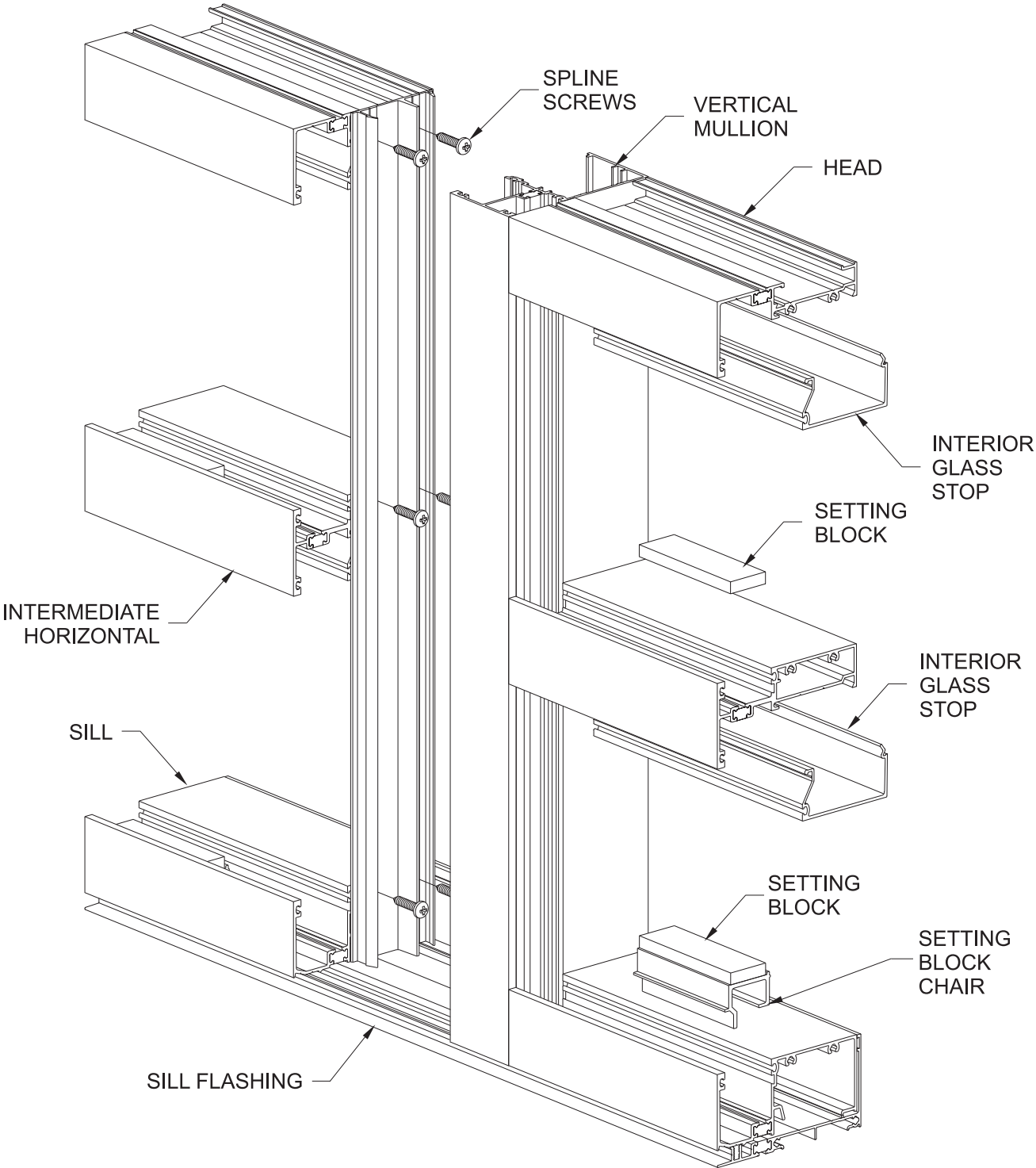
*The latest installation instructions for this product are available at www.ykkap.com.

**OUTSIDE GLAZED
VERTICAL THROUGH**



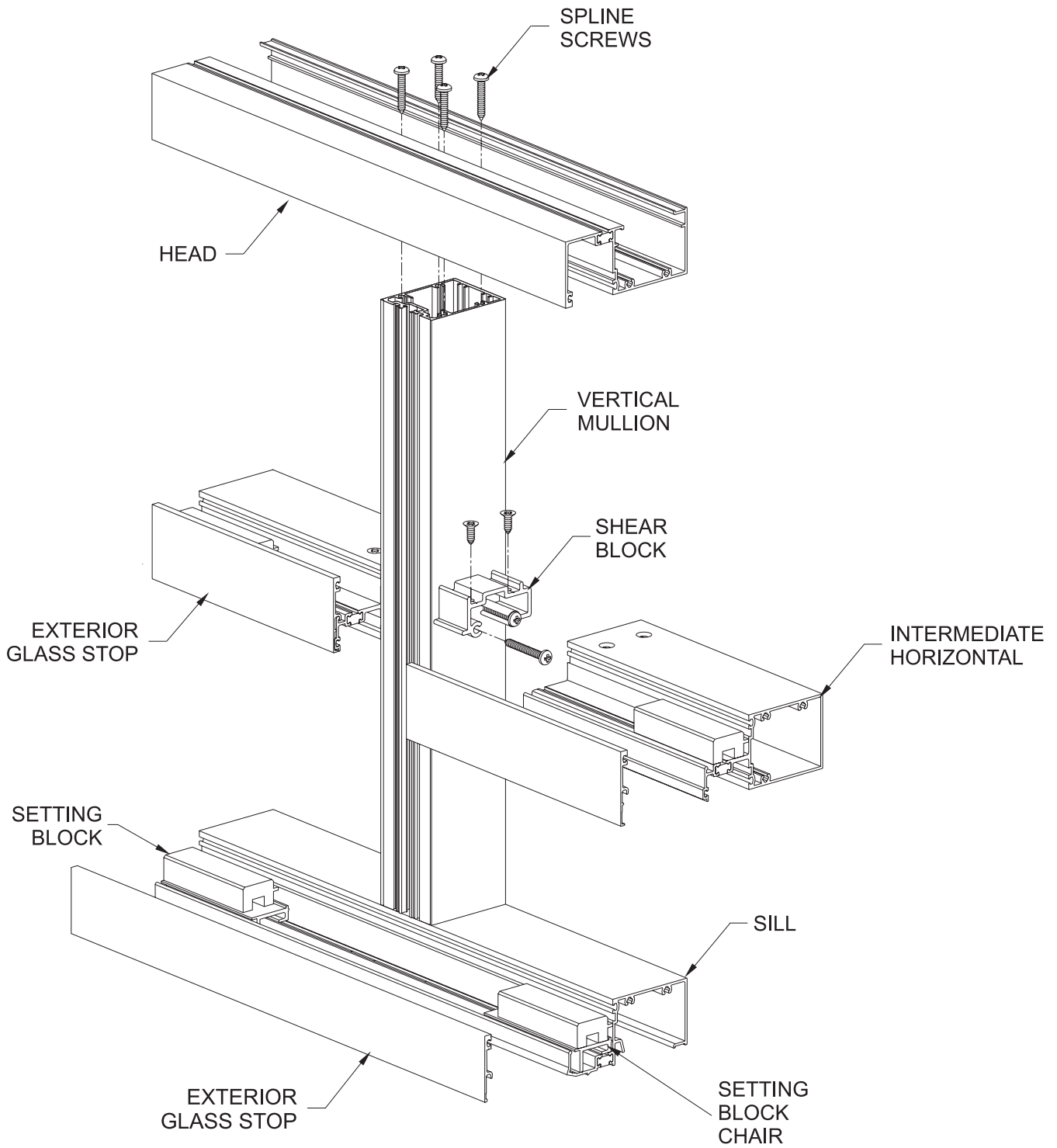
YWW 45 TU Shown, YWW 45 FI Similar.

**PICTORIAL VIEW
INSIDE GLAZED
VERTICAL THROUGH**



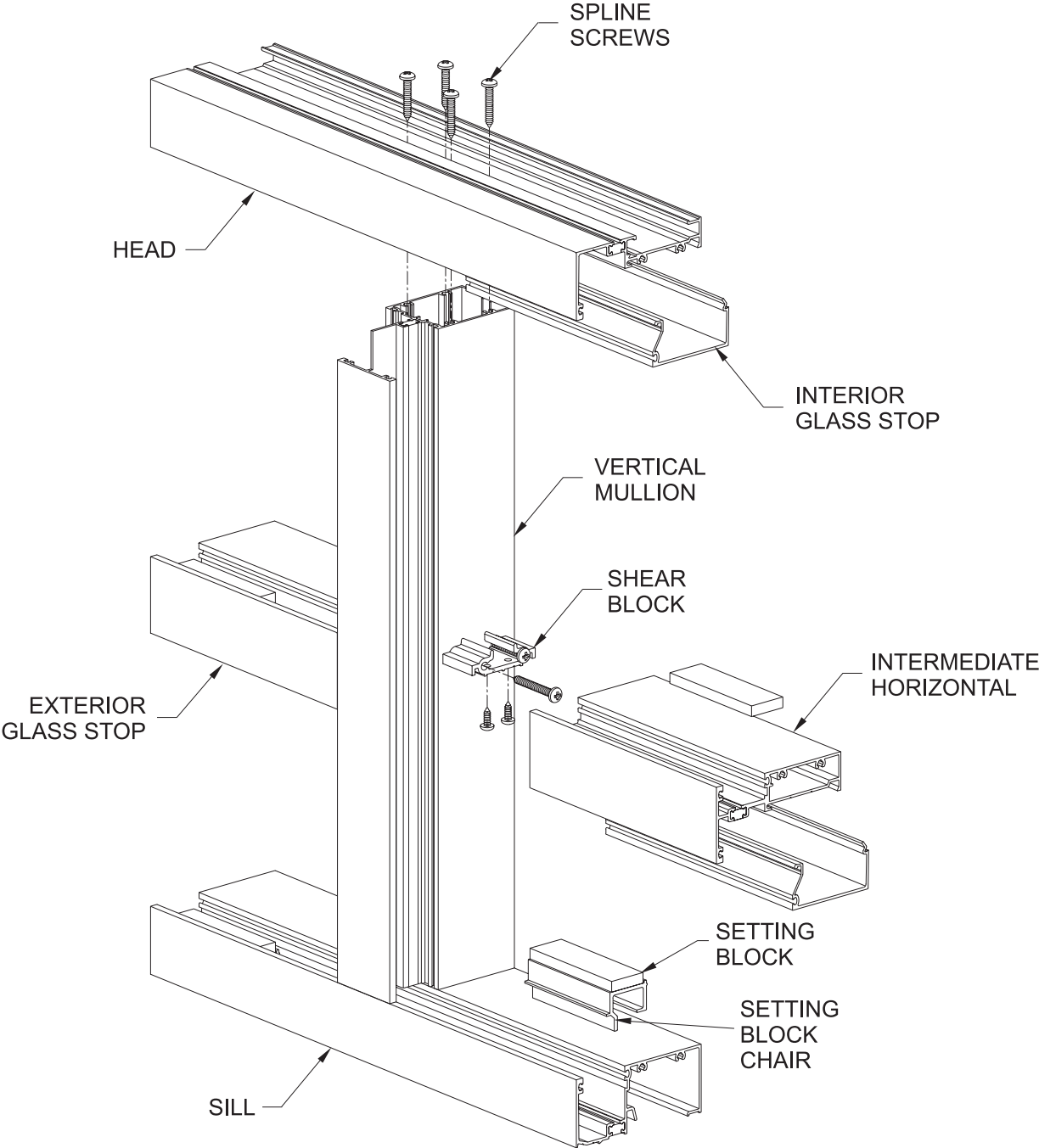
YWW 45 TU Shown, YWW 45 FI Similar.

**PICTORIAL VIEW
OUTSIDE GLAZED
CONTINUOUS HEAD & SILL**



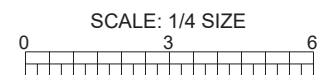
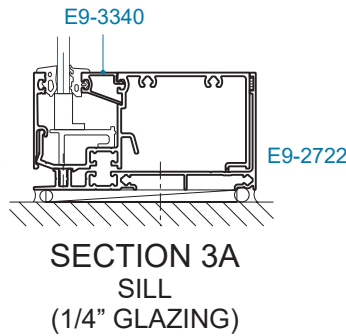
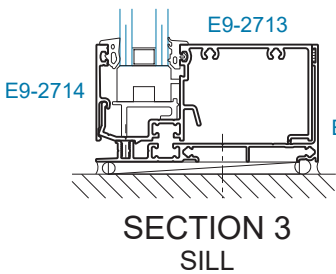
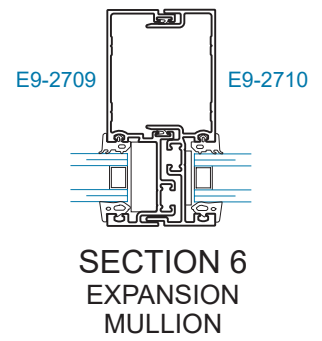
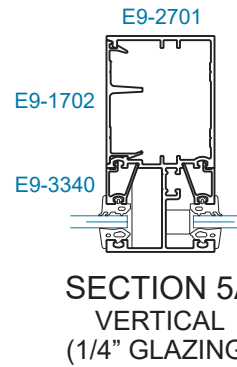
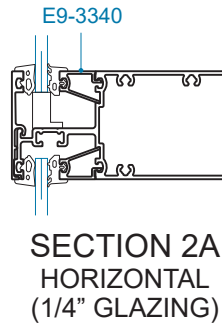
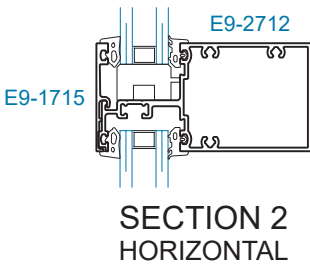
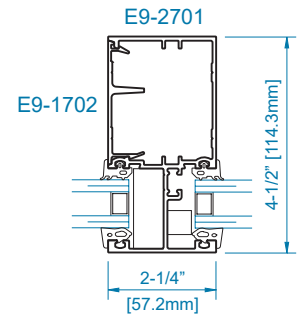
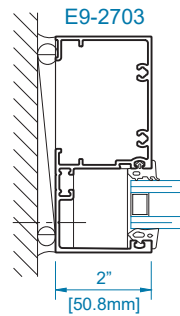
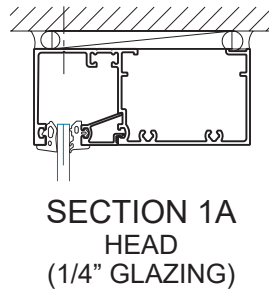
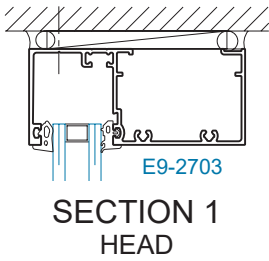
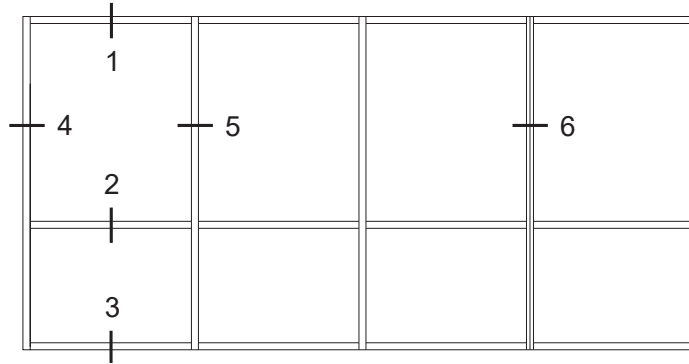
YWW 45 TU Shown, YWW 45 FI Similar.

**PICTORIAL VIEW
INSIDE GLAZED
CONTINUOUS HEAD & SILL**

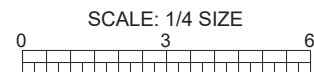
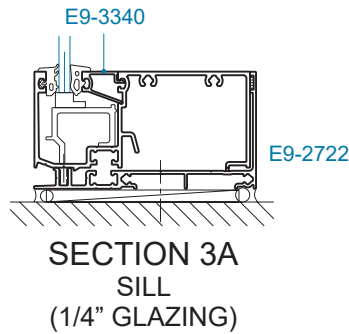
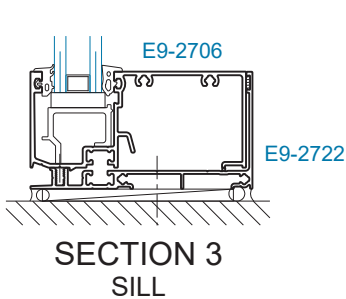
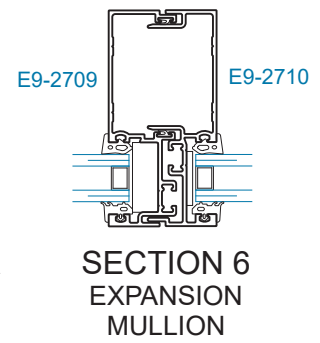
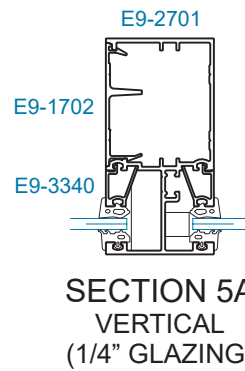
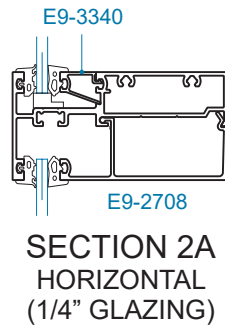
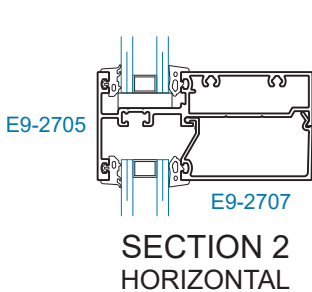
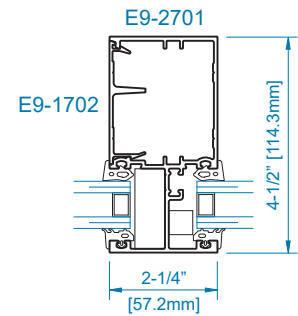
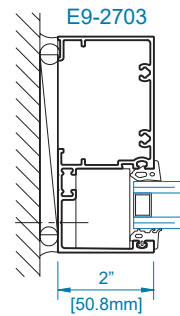
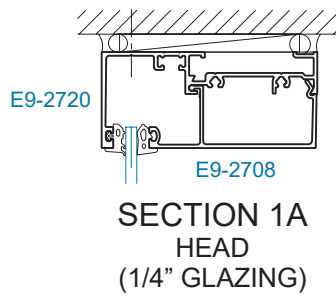
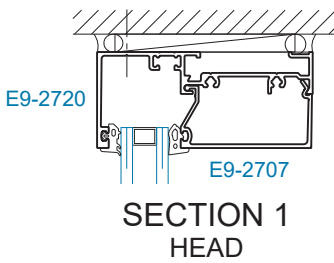
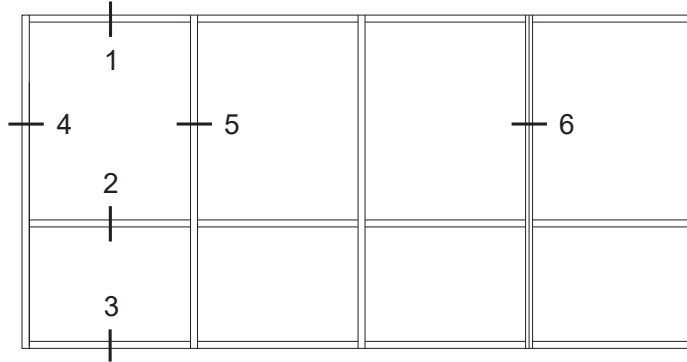


YWW 45 TU Shown, YWW 45 FI Similar.

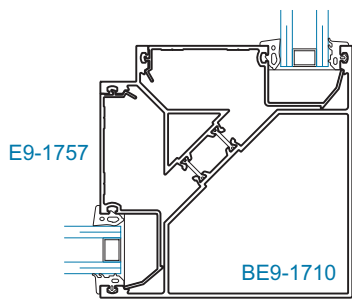
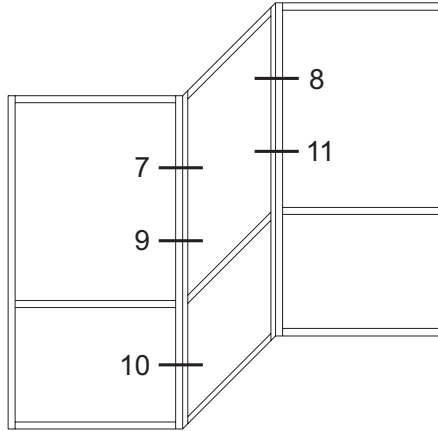
YWW 45 FI FRAMING MEMBERS OUTSIDE GLAZED VERTICAL THROUGH



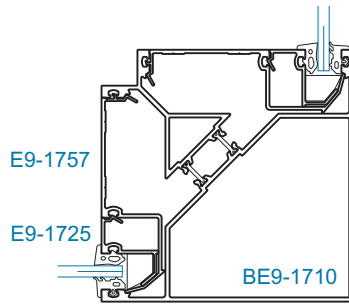
YWW 45 FI FRAMING MEMBERS
INSIDE GLAZED VERTICAL THROUGH



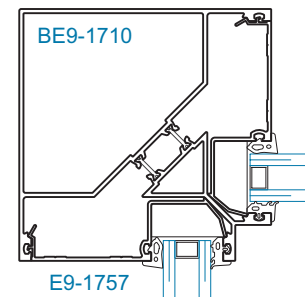
**YWW 45 FI CORNER FRAMING MEMBERS
(VERTICAL THROUGH FRAMES ONLY)**



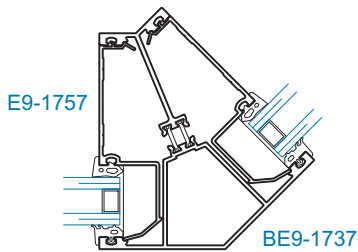
SECTION 7
90° OUTSIDE CORNER



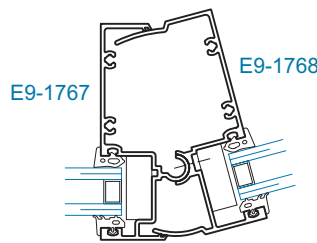
SECTION 7
90° OUTSIDE CORNER
(1/4" GLAZING)



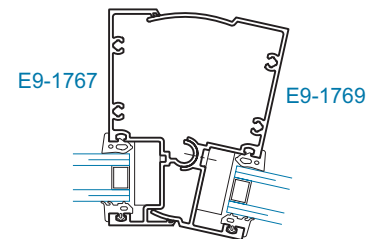
SECTION 8
90° INSIDE CORNER



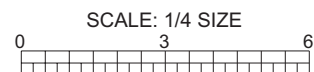
SECTION 9
135° OUTSIDE CORNER



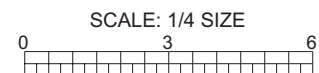
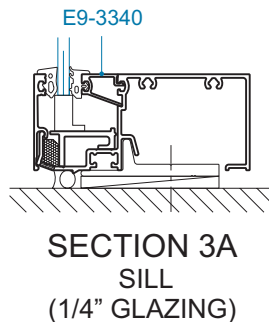
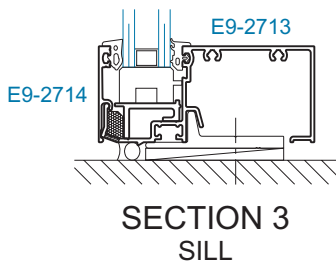
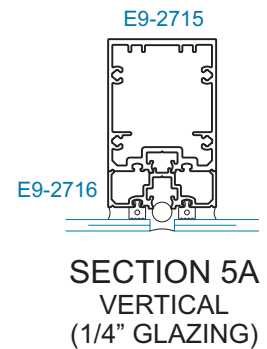
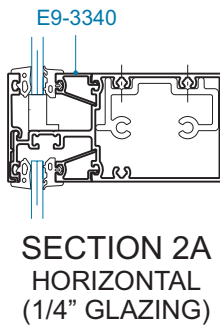
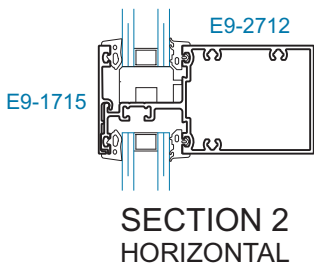
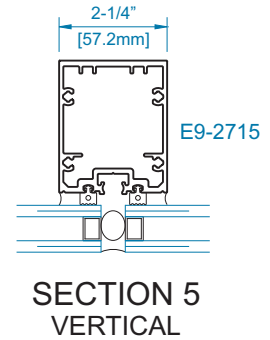
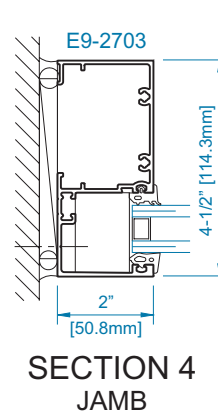
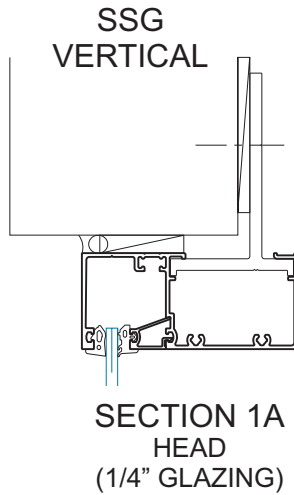
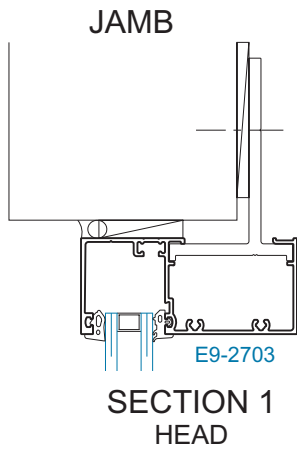
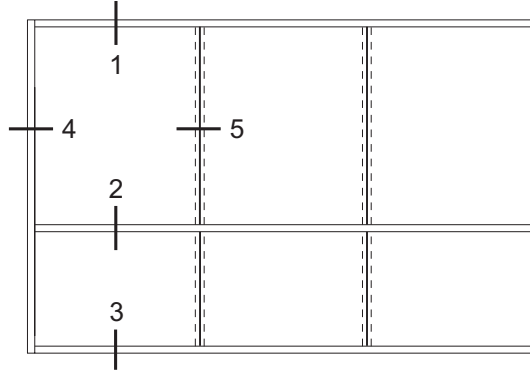
SECTION 10
3° - 20° OUTSIDE
HINGED MULLION



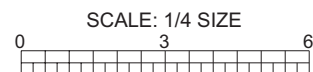
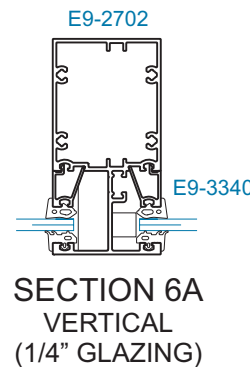
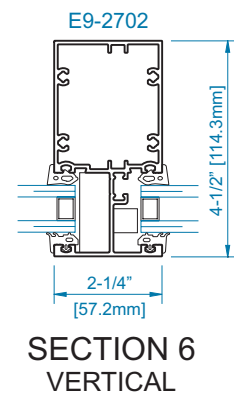
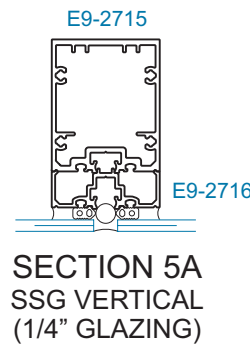
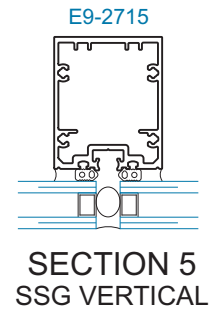
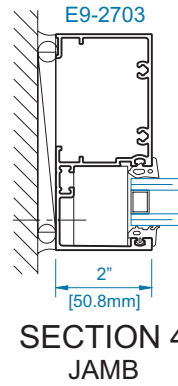
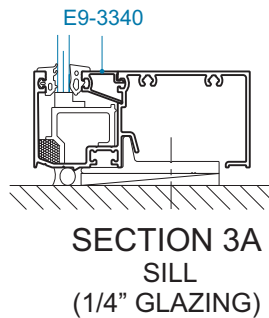
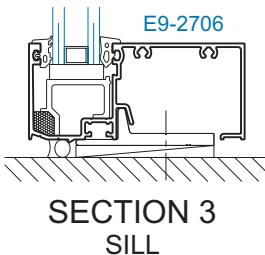
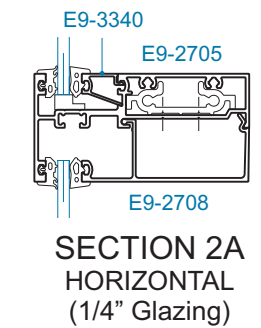
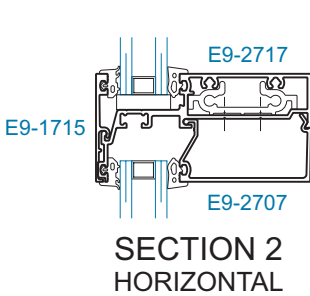
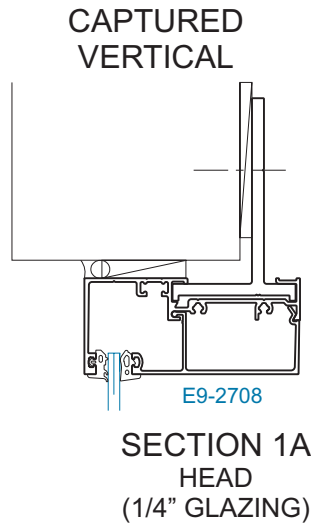
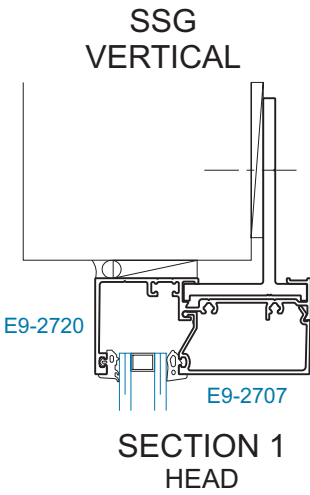
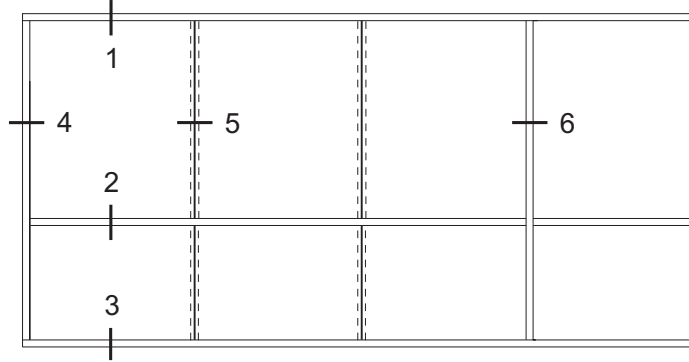
SECTION 11
3° - 15° INSIDE
HINGED MULLION



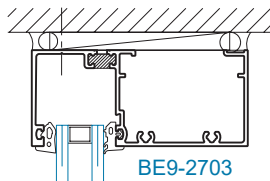
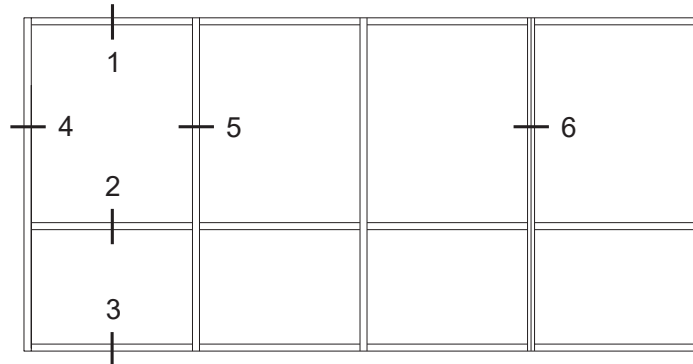
**YWW 45 FI FRAMING MEMBERS
OUTSIDE GLAZED
CONTINUOUS HEAD & SILL**



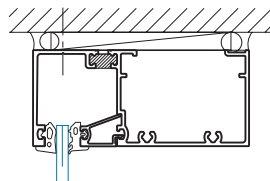
**YWW 45 FI FRAMING MEMBERS
INSIDE GLAZED
CONTINUOUS HEAD & SILL**



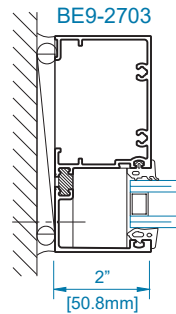
**YWW 45 TU FRAMING MEMBERS
OUTSIDE GLAZED
VERTICAL THROUGH**



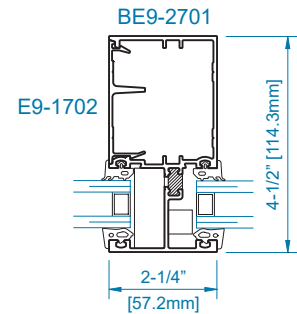
**SECTION 1
HEAD**



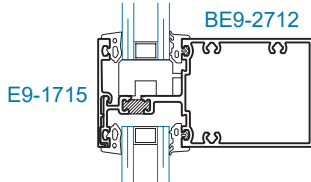
**SECTION 1A
HEAD
(1/4" GLAZING)**



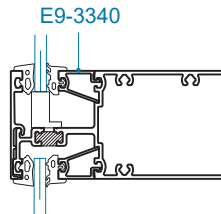
**SECTION 4
JAMB**



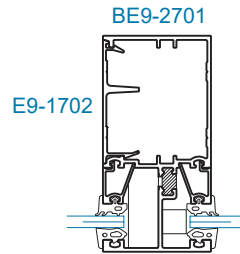
**SECTION 5
VERTICAL**



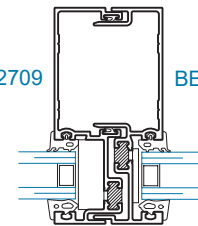
**SECTION 2
HORIZONTAL**



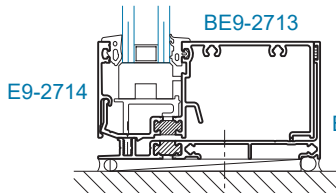
**SECTION 2A
HORIZONTAL
(1/4" GLAZING)**



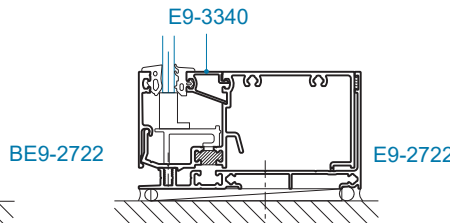
**SECTION 5A
VERTICAL
(1/4" GLAZING)**



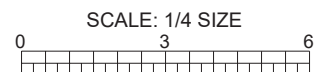
**SECTION 6
EXPANSION
MULLION**



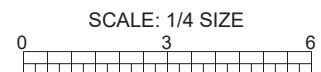
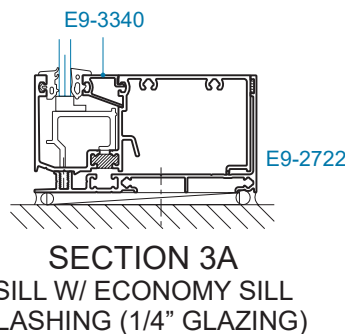
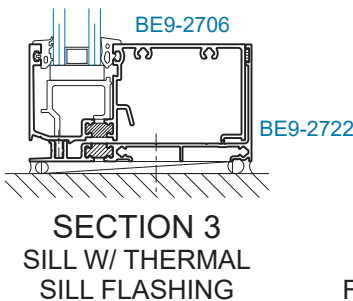
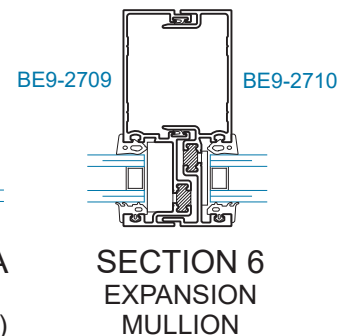
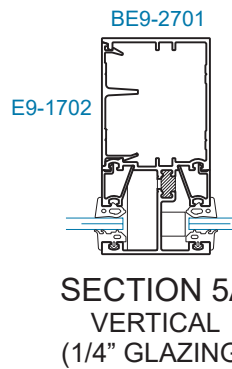
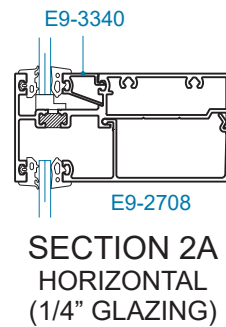
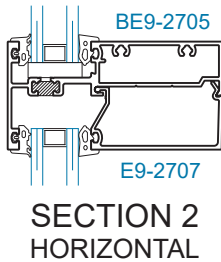
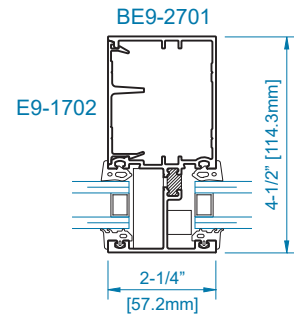
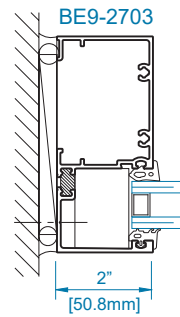
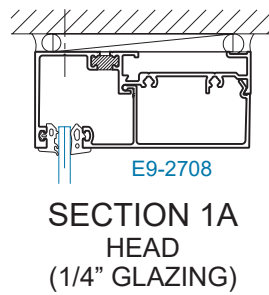
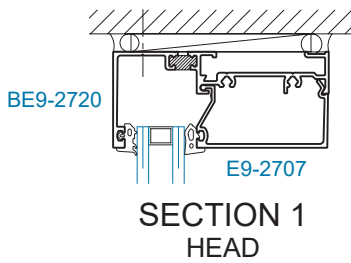
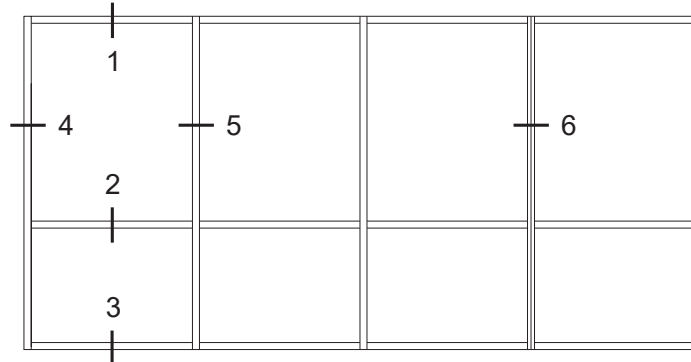
**Section 3
SILL w/ THERMAL
SILL FLASHING**



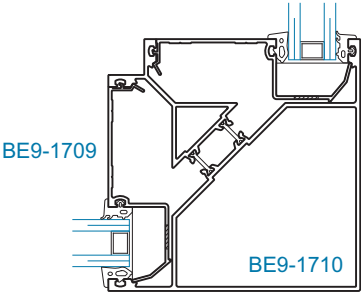
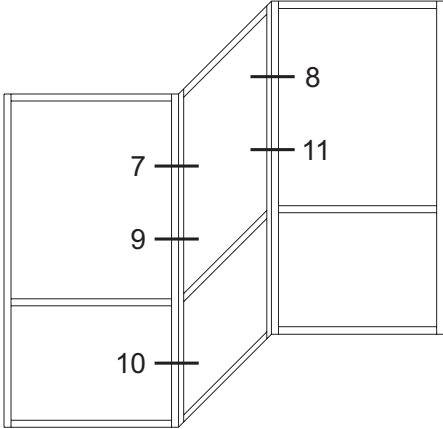
**SECTION 3A
SILL w/ ECONOMY SILL
FLASHING (1/4" GLAZING)**



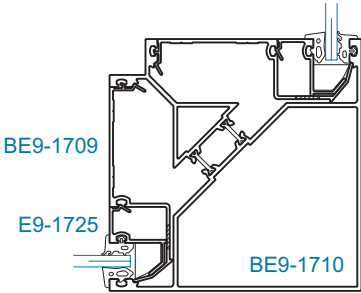
YWW 45 TU FRAMING MEMBERS INSIDE GLAZED VERTICAL THROUGH



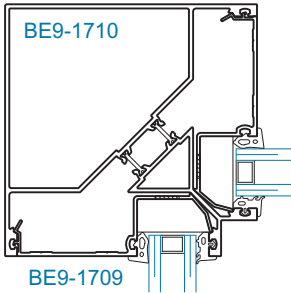
**YWW 45 TU CORNER FRAMING MEMBERS
(VERTICAL THROUGH FRAMES ONLY)**



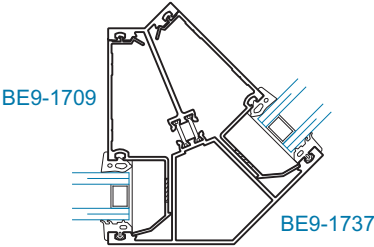
SECTION 7
90° OUTSIDE CORNER



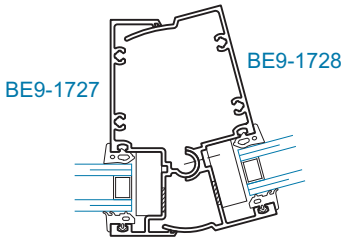
SECTION 7
90° OUTSIDE CORNER
(1/4" GLAZING)



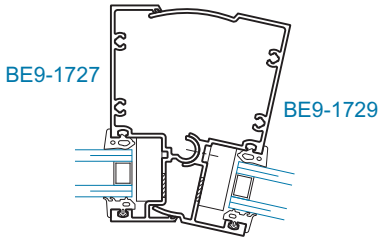
SECTION 8
90° INSIDE CORNER



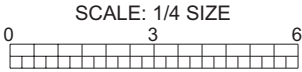
SECTION 9
135° OUTSIDE CORNER



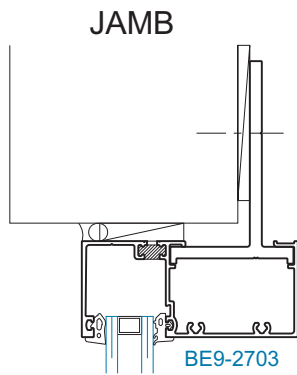
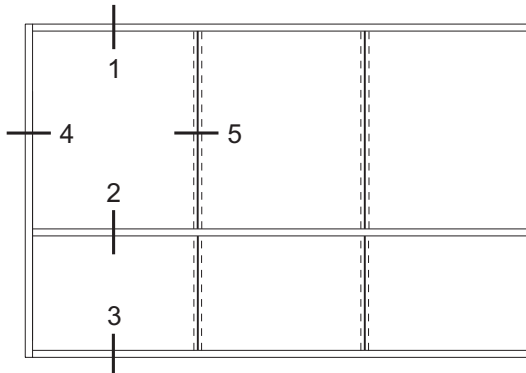
SECTION 10
3°-20° OUTSIDE
HINGED MULLION



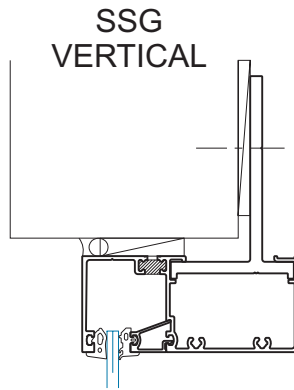
SECTION 11
3°-15° INSIDE
HINGED MULLION



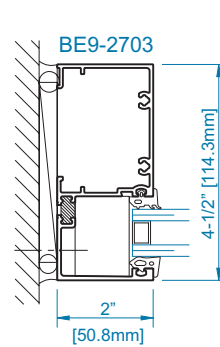
**YWW 45 TU FRAMING MEMBERS
OUTSIDE GLAZED
CONTINUOUS HEAD & SILL**



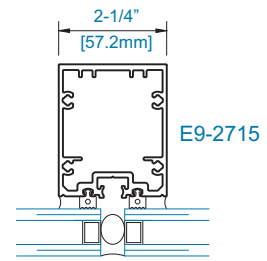
**SECTION 1
HEAD**



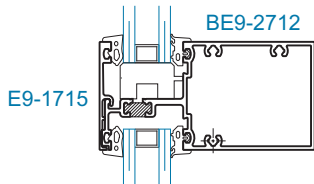
**SECTION 1A
HEAD
(1/4" GLAZING)**



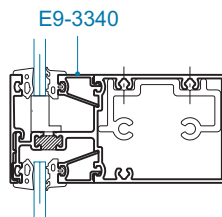
**SECTION 4
JAMB**



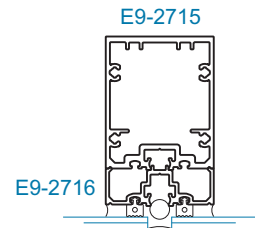
**SECTION 5
VERTICAL**



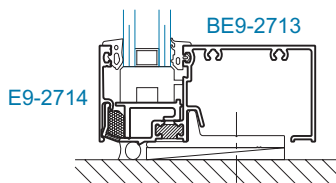
**SECTION 2
HORIZONTAL**



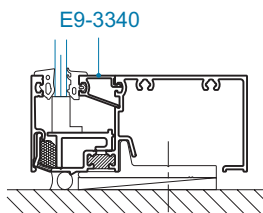
**SECTION 2A
HORIZONTAL
(1/4" GLAZING)**



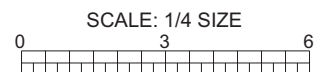
**SECTION 5A
VERTICAL
(1/4" GLAZING)**



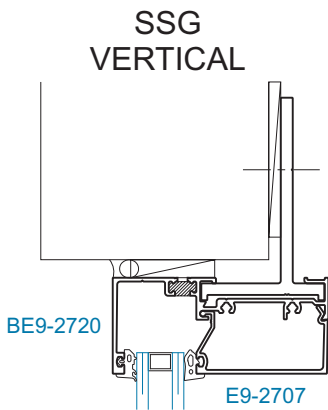
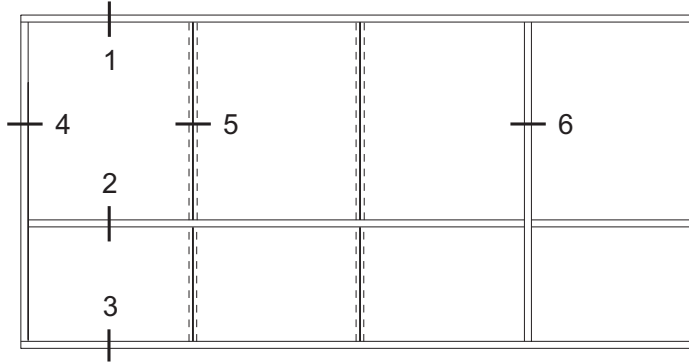
**SECTION 3
SILL**



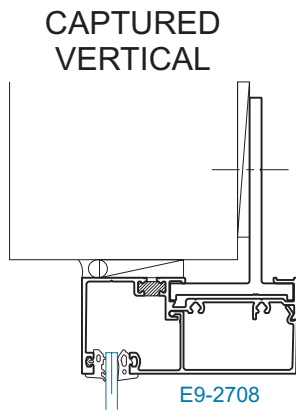
**SECTION 3A
SILL
(1/4" GLAZING)**



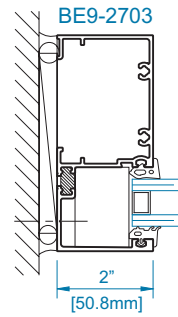
**YWW 45 TU FRAMING MEMBERS
INSIDE GLAZED
CONTINUOUS HEAD & SILL**



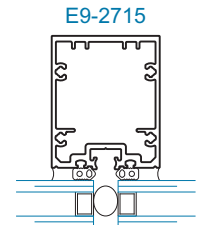
SECTION 1
HEAD



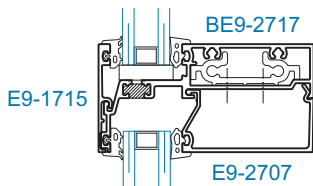
SECTION 1A
HEAD
(1/4" GLAZING)



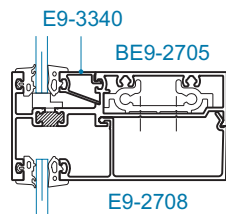
SECTION 4
JAMB



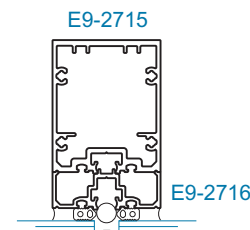
SECTION 5
SSG VERTICAL



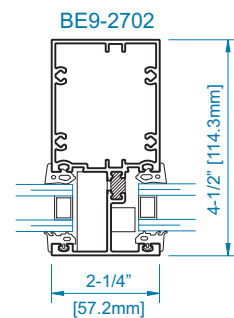
SECTION 2
HORIZONTAL



SECTION 2A
HORIZONTAL
(1/4" GLAZING)



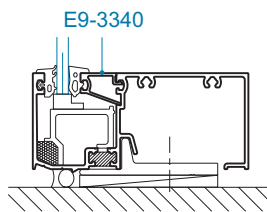
SECTION 5A
SSG VERTICAL
(1/4" GLAZING)



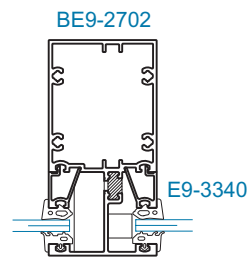
SECTION 6
VERTICAL



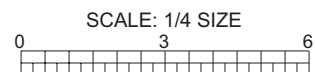
SECTION 3
SILL



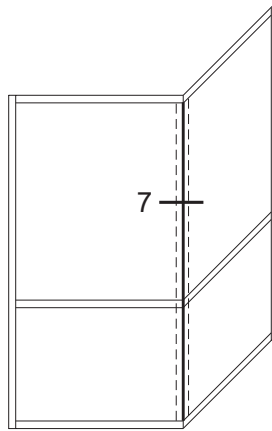
SECTION 3A
SILL
(1/4" GLAZING)



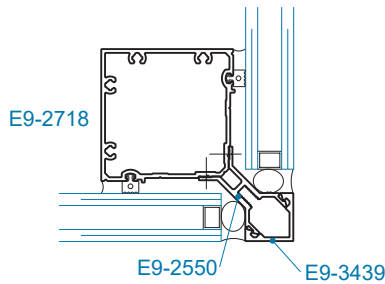
SECTION 6A
VERTICAL
(1/4" GLAZING)



**STRUCTURAL SILICONE GLAZED CORNERS
CONTINUOUS HEAD & SILL**

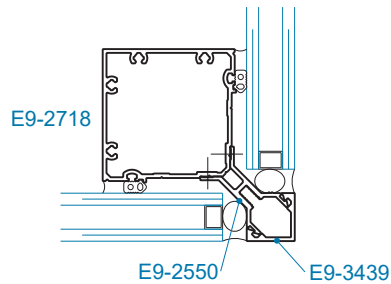


**OUTSIDE
GLAZING**

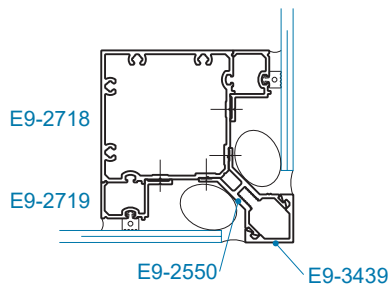


**SECTION 7
90° OUTSIDE CORNER
(1" GLAZING)**

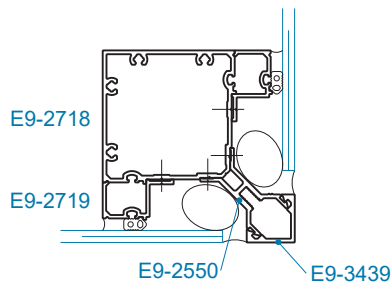
**INSIDE
GLAZING**



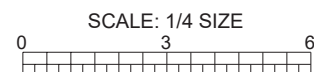
**SECTION 7
90° OUTSIDE CORNER
(1" GLAZING)**



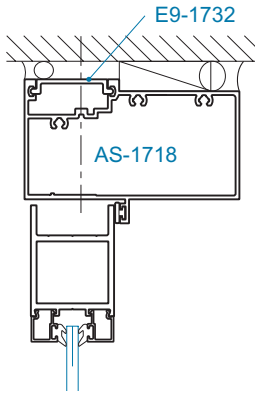
**SECTION 7A
90° OUTSIDE CORNER
(1/4" GLAZING)**



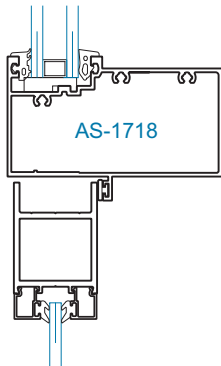
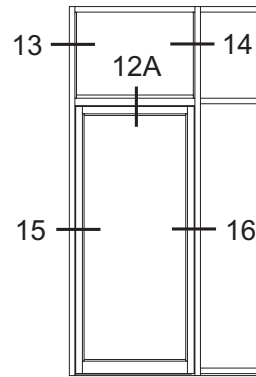
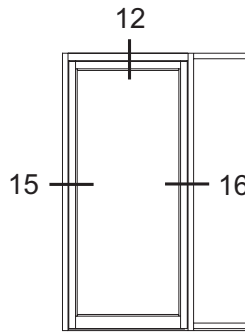
**SECTION 7A
90° OUTSIDE CORNER
(1/4" GLAZING)**



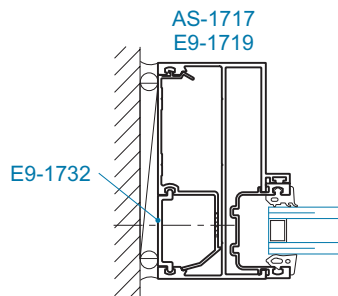
YWW 45 FI/TU DOOR FRAMING MEMBERS



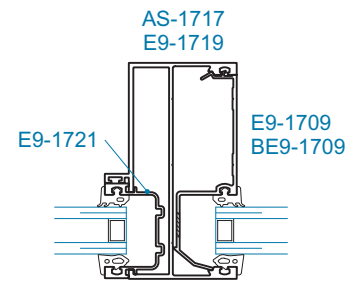
SECTION 12
DOOR HEAD



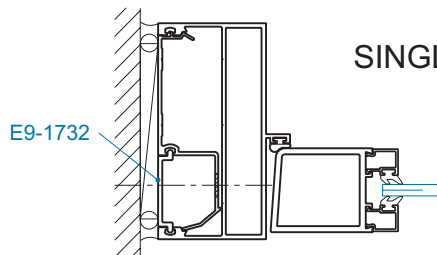
SECTION 12A
SINGLE ACTING
TRANSOM BAR



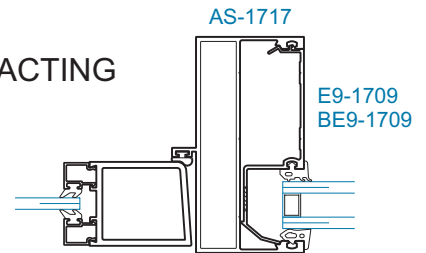
SECTION 13
JAMB @ TRANSOM
w/o SIDELITE



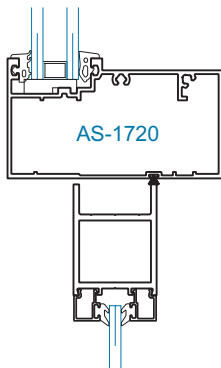
SECTION 14
JAMB @ TRANSOM
w/ SIDELITE



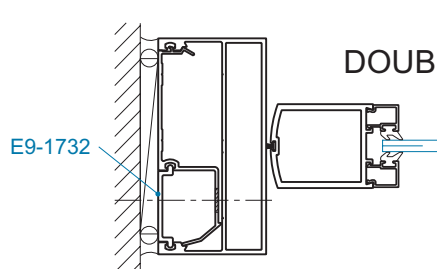
SECTION 15
DOOR JAMB
w/o SIDELITE



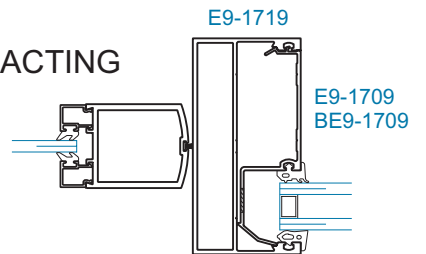
SECTION 16
DOOR JAMB
w/ SIDELITE



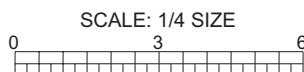
SECTION 12A
DOUBLE ACTING
TRANSOM BAR



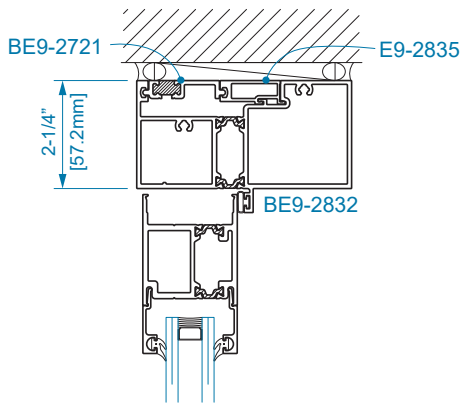
SECTION 15
DOOR JAMB
w/o SIDELITE



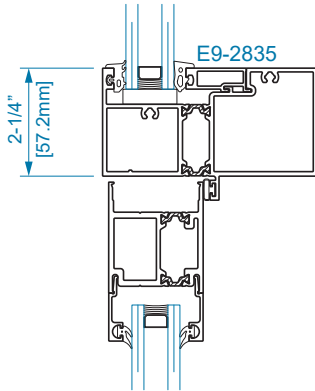
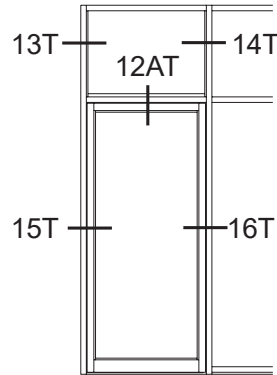
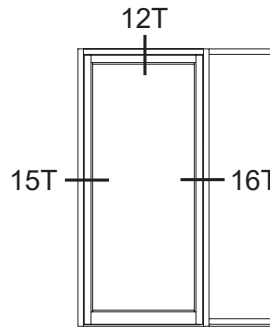
SECTION 16
DOOR JAMB
w/ SIDELITE



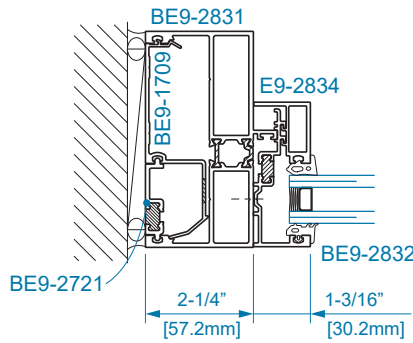
YWW 45 FI/TU THERMAL DOOR FRAMING MEMBERS



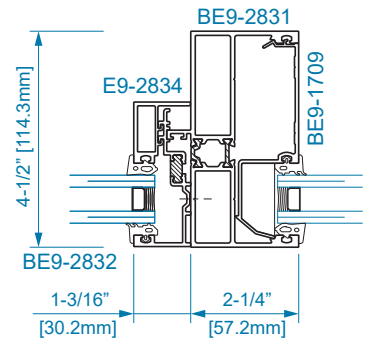
SECTION 12T
DOOR HEAD



SECTION 12AT
SINGLE ACTING
TRANSOM BAR

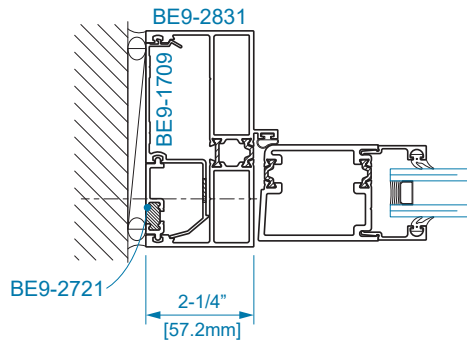


SECTION 13T
JAMB @ TRANSOM
w/o SIDELITE

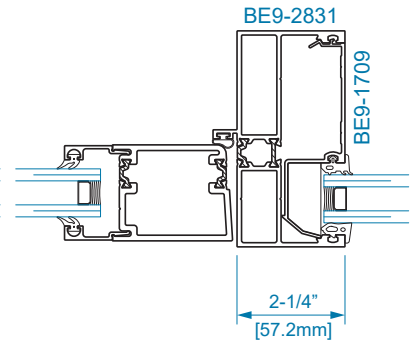


SECTION 14T
JAMB @ TRANSOM
w/ SIDELITE

SINGLE ACTING

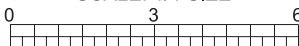


SECTION 15T
DOOR JAMB
w/o SIDELITE



SECTION 16T
DOOR JAMB
w/ SIDELITE

SCALE: 1/4 SIZE



WIND LOAD CHARTS

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)

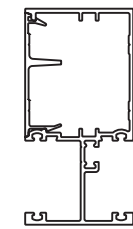
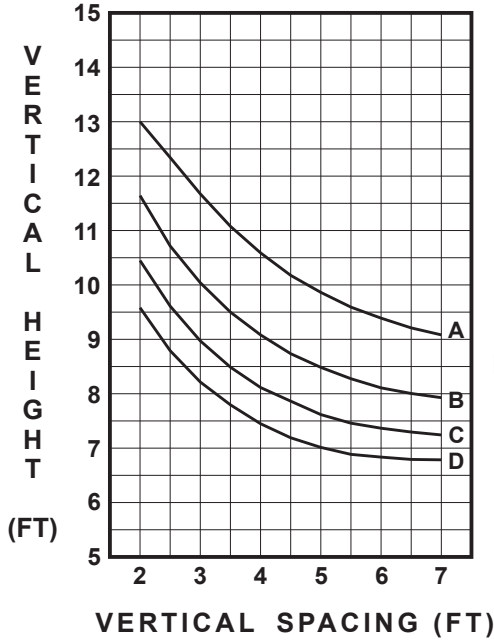
CODES AND SPECIFICATIONS MAY VARY, NO SINGLE LITE OF GLASS SHALL DEFLECT MORE THAN 3/4" (19.1mm)

ALLOWABLE WIND LOAD STRESS

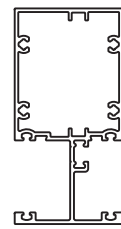
YKK AP tested standard. Contact YKK AP for more information.

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.

E9-2701 / E9-1702



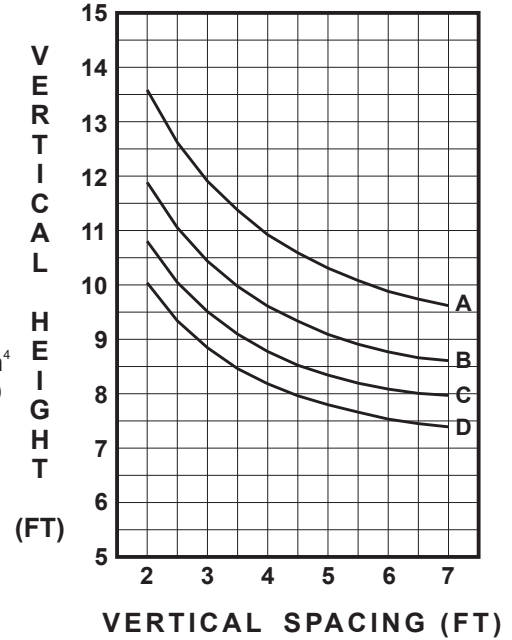
$I_{xx}=3.177 \text{ in}^4$
(132.24 cm^4)



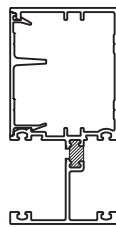
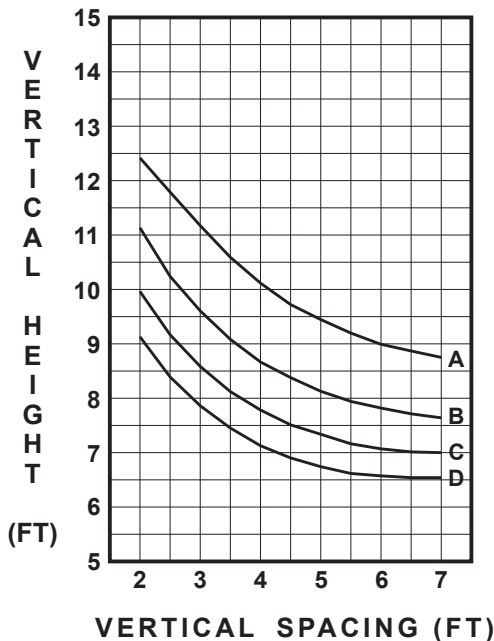
$I_{xx}=3.253 \text{ in}^4$
(135.40 cm^4)

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

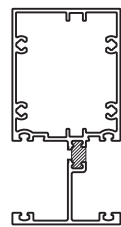
E9-2702



BE9-2701 / E9-1702

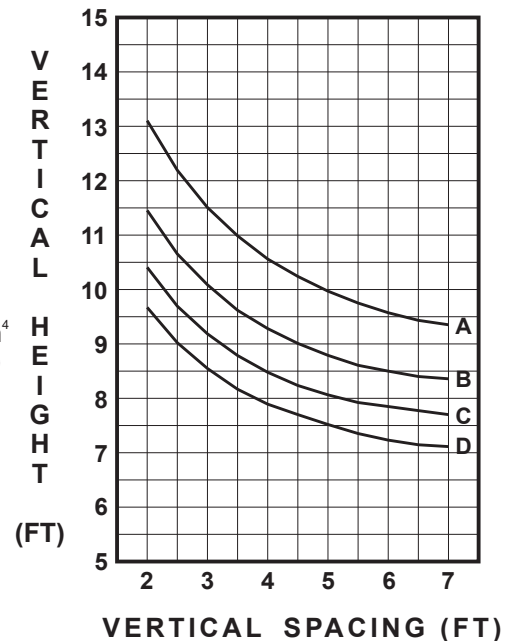


$I_{xx}=3.171 \text{ in}^4$
(131.99 cm^4)

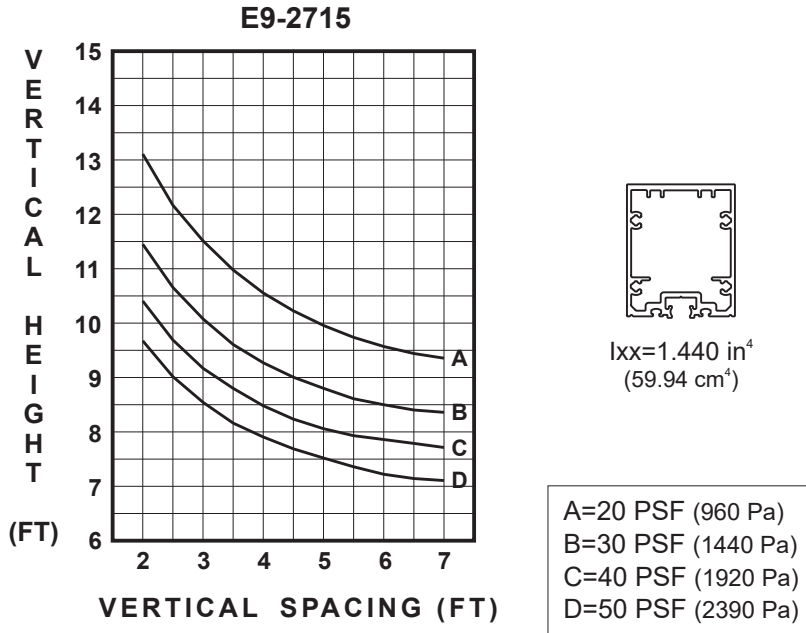


$I_{xx}=3.242 \text{ in}^4$
(134.94 cm^4)

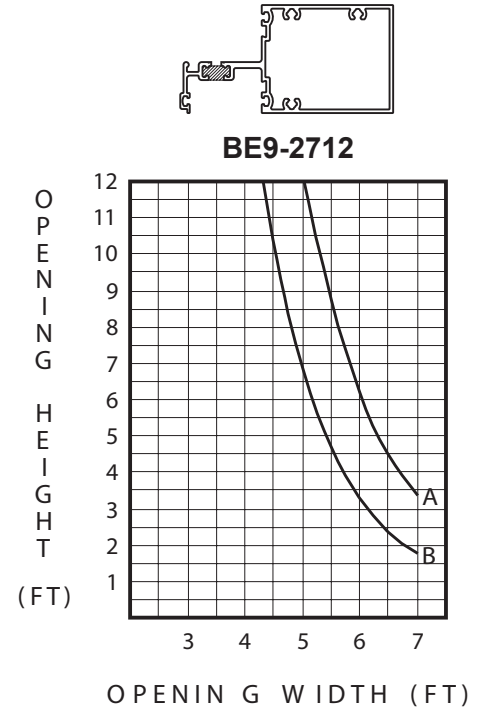
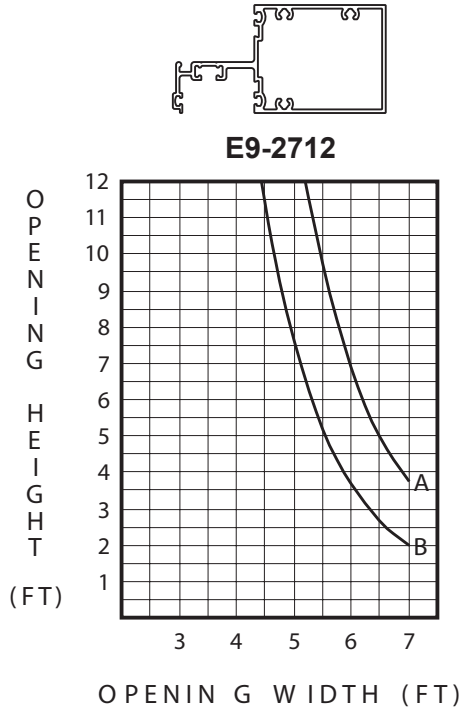
BE9-2702



WIND LOAD CHART



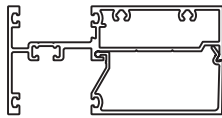
DEAD LOAD CHARTS



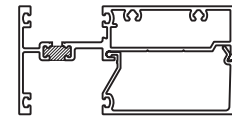
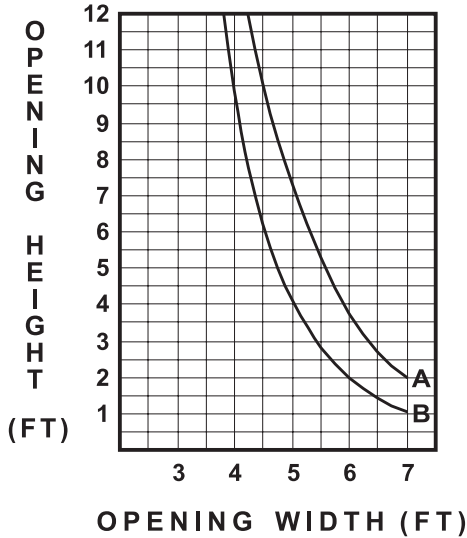
A = SETTING BLOCKS AT 1/8 POINT LOCATIONS
 B = SETTING BLOCKS AT 1/4 POINT LOCATIONS

Note: Dead Load requirements are based upon a maximum deflection of 1/8" (3.2mm) at the center of the horizontal.

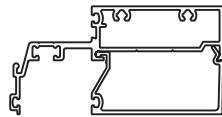
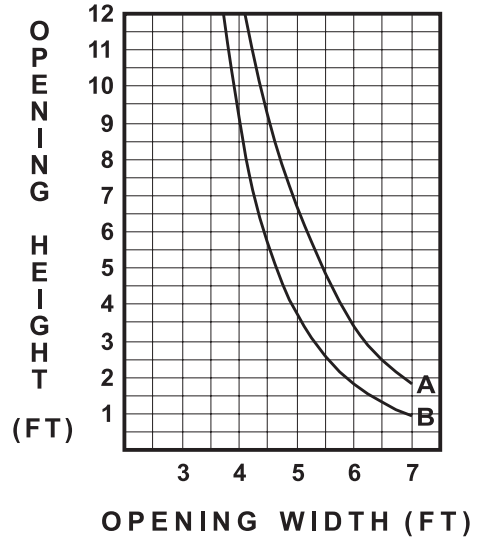
DEAD LOAD CHARTS



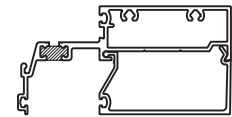
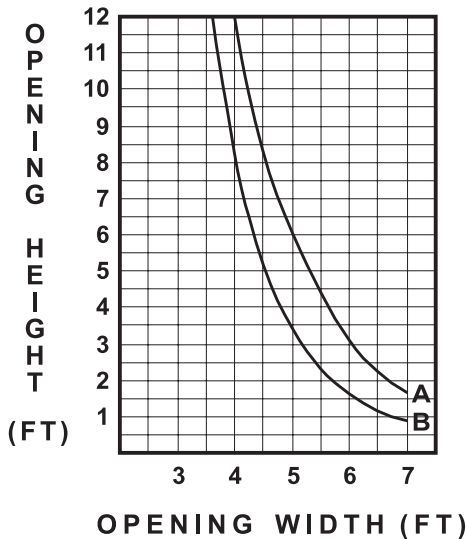
E9-2705 / E9-2707



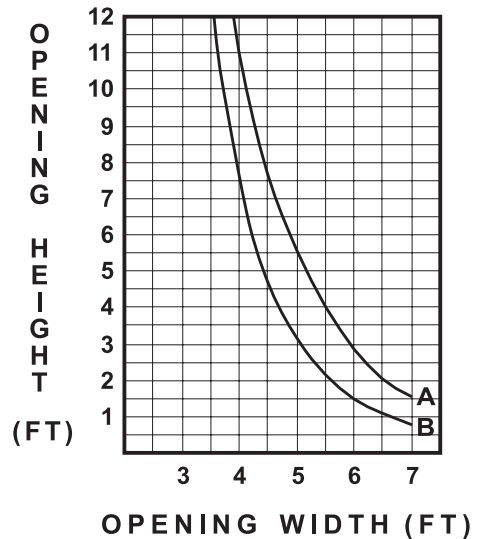
BE9-2705 / E9-2707



E9-2717 / E9-2707



BE9-2717 / E9-2707



A = SETTING BLOCKS AT 1/8 POINT LOCATIONS
 B = SETTING BLOCKS AT 1/4 POINT LOCATIONS

Note: Dead Load requirements are based upon a maximum deflection of 1/8" (3.2mm) at the center of the horizontal.