

TABLE OF CONTENTS

**YES 45 TU FRONT SET
THERMAL STOREFRONT SYSTEM FOR 1" GLAZING
2" x 4-1/2"**

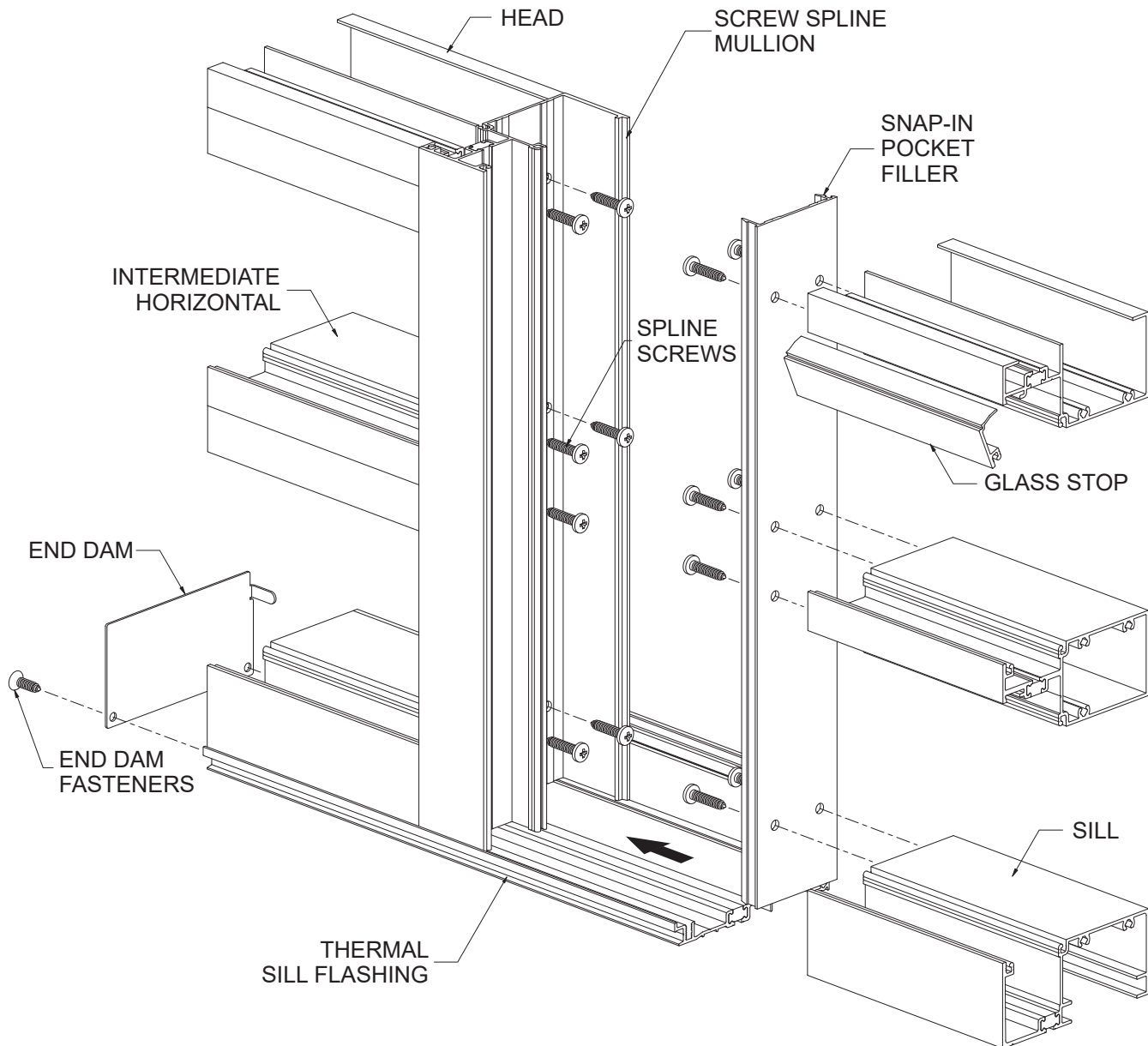
PICTORIAL VIEWS Pages 2 to 6

FRAMING MEMBERS (1/4 SIZE) Pages 7 to 13

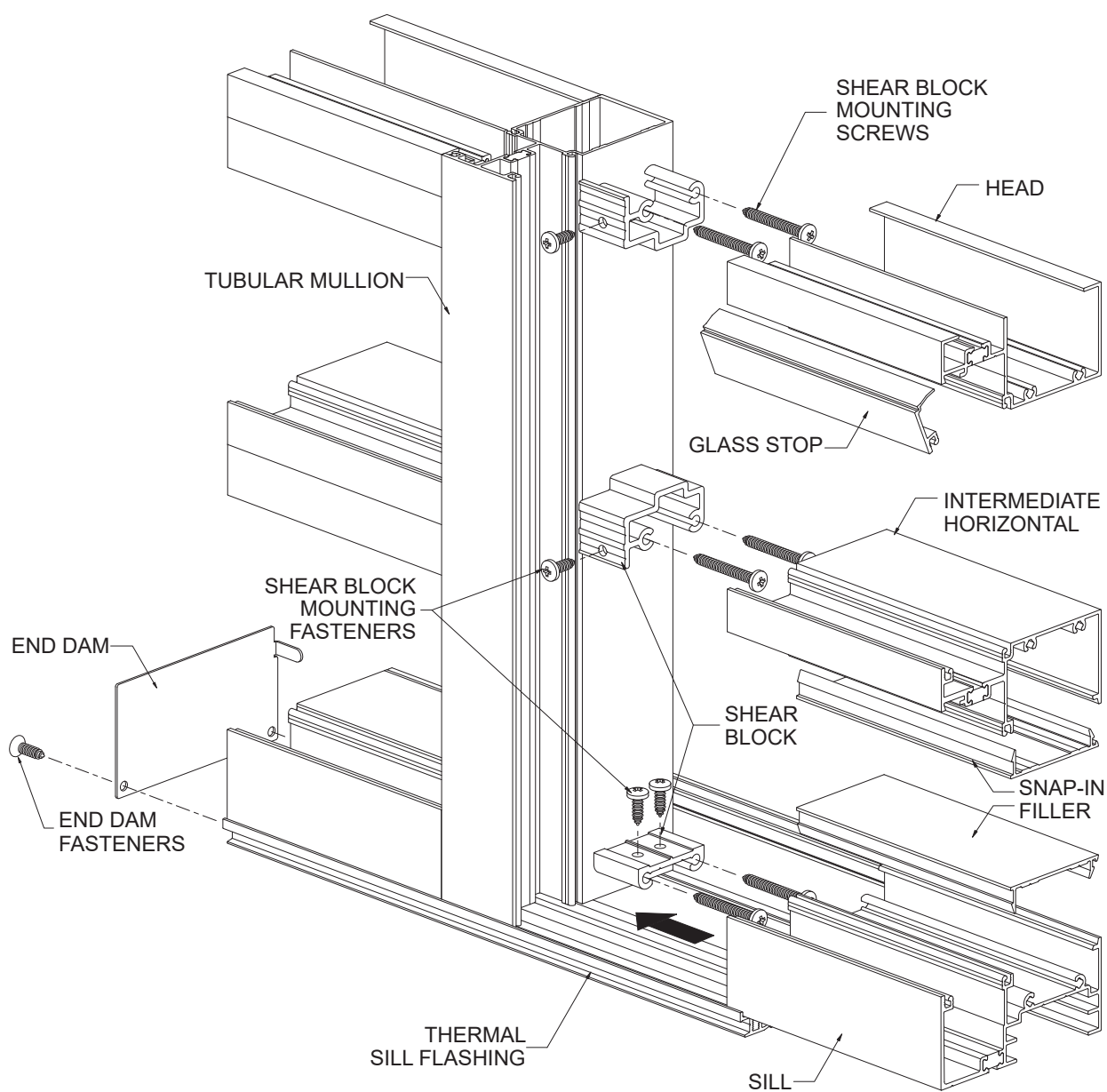
WIND LOAD / DEAD LOAD CHARTS Pages 14 to 16

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

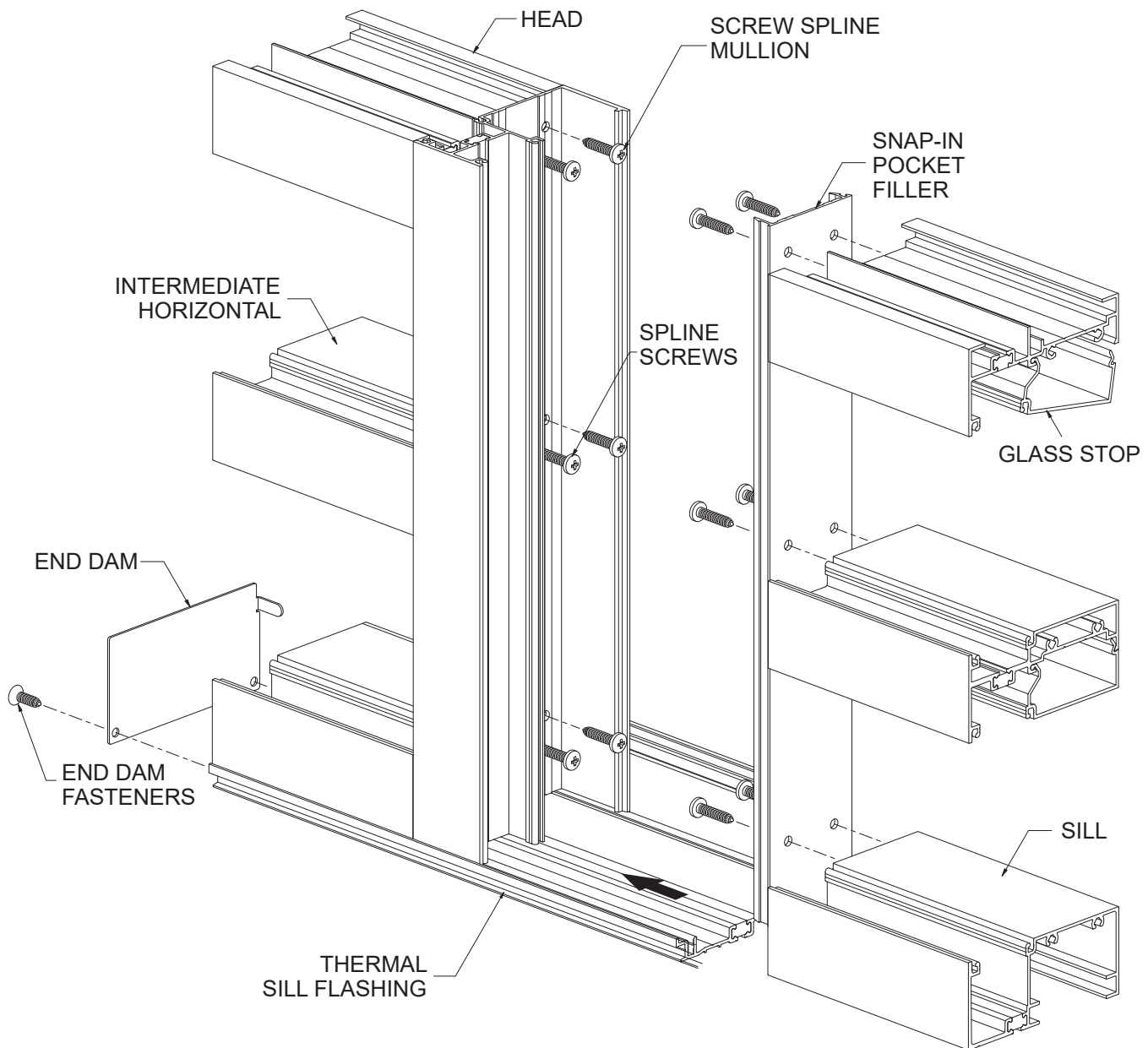
YES 45 TU FRONT SET OUTSIDE GLAZED SCREW SPLINE ASSEMBLY



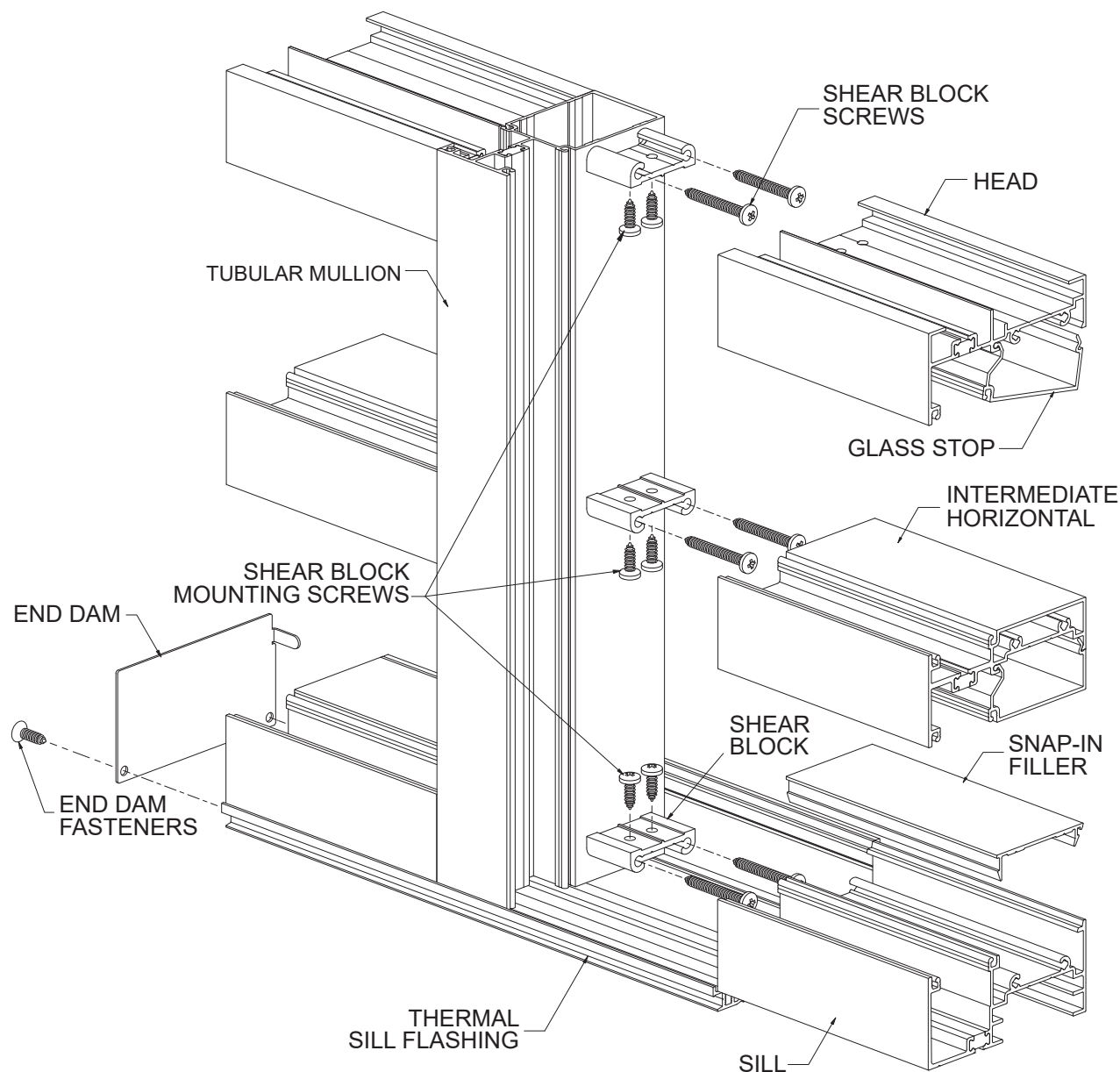
YES 45 TU FRONT SET OUTSIDE GLAZED SHEAR BLOCK ASSEMBLY



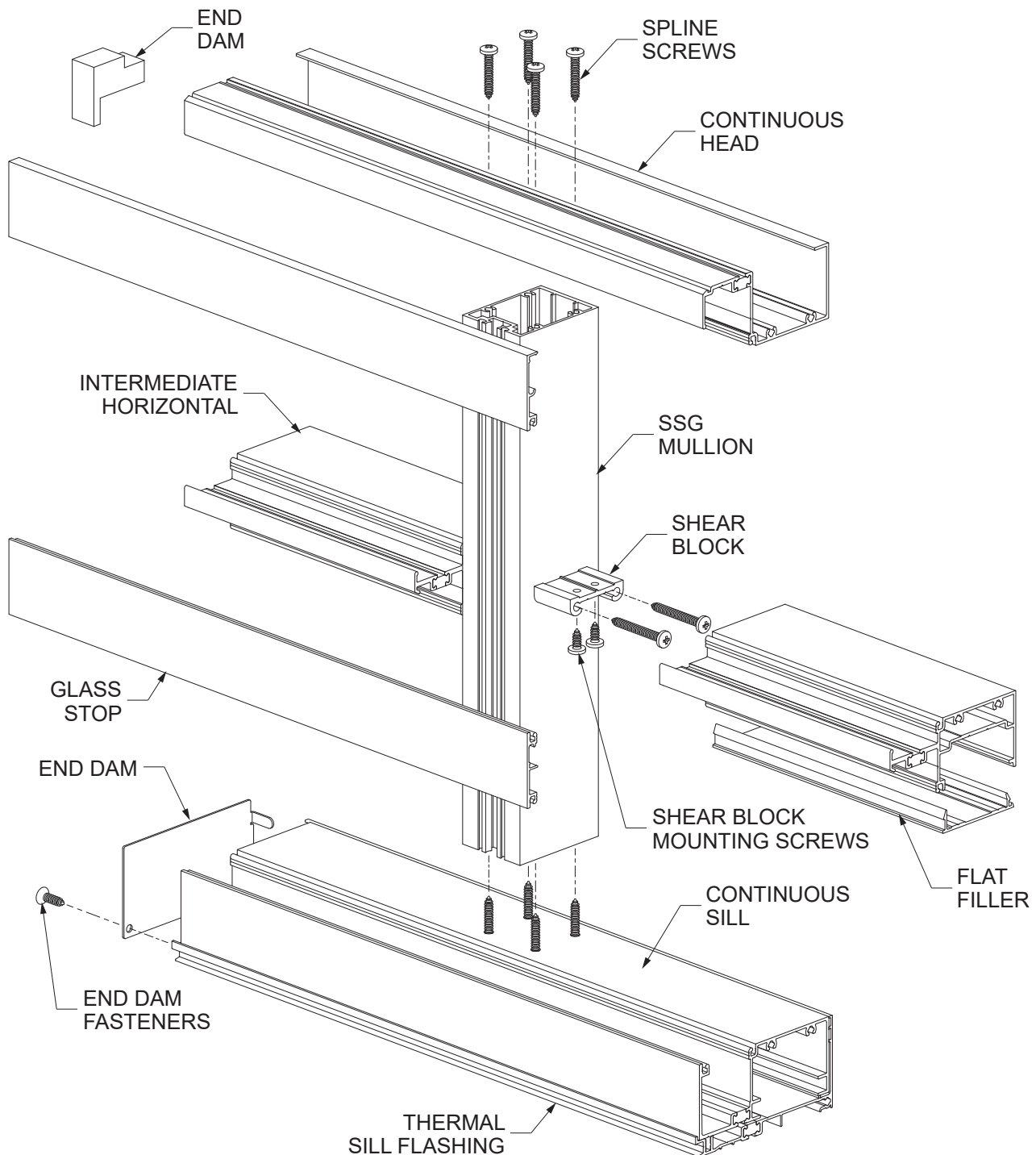
YES 45 TU FRONT SET INSIDE GLAZED SCREW SPLINE ASSEMBLY



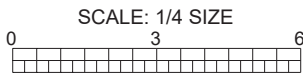
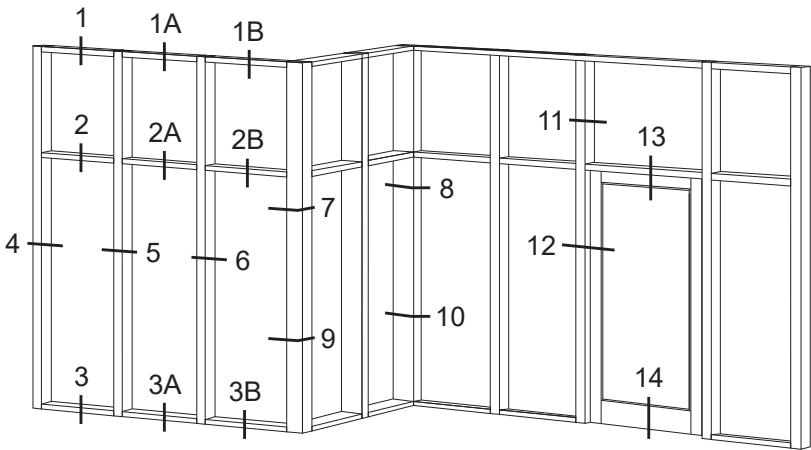
YES 45 TU FRONT SET INSIDE GLAZED SHEAR BLOCK ASSEMBLY



YES 45 TU FRONT SET SSG ASSEMBLY

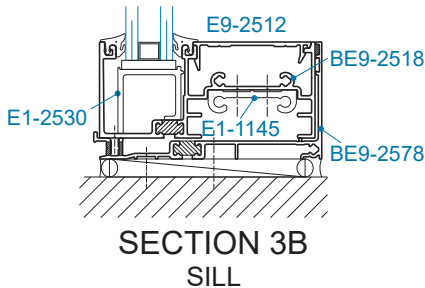
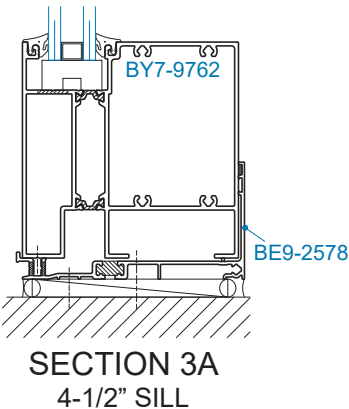
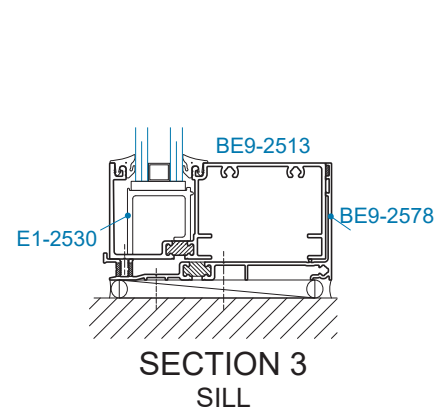
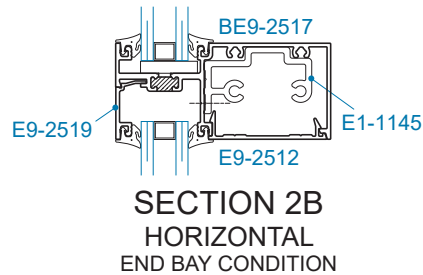
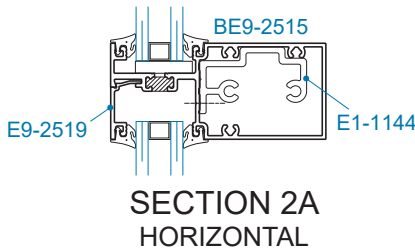
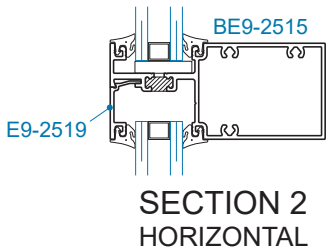
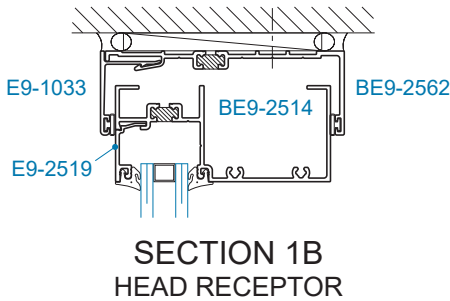
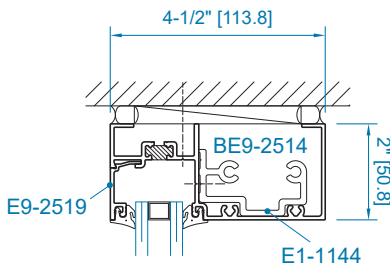
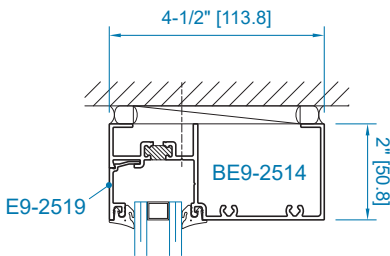


YES 45 TU FRONT SET HORIZONTAL MEMBERS FOR OUTSIDE GLAZING

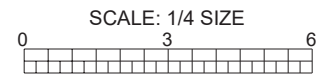
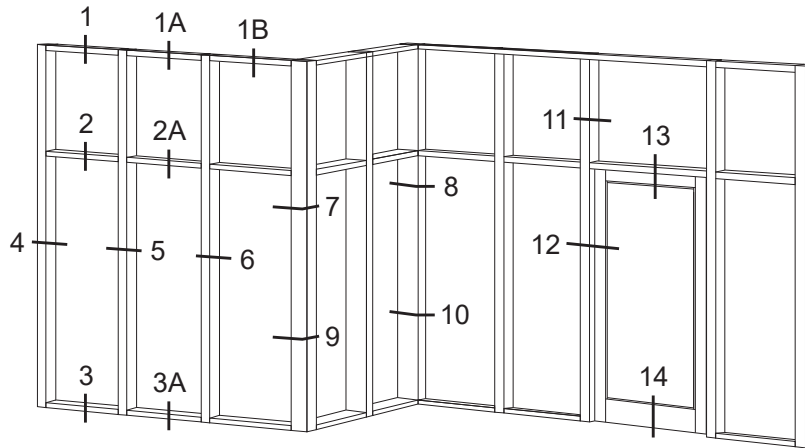


SCREW SPLINE

SHEAR BLOCK

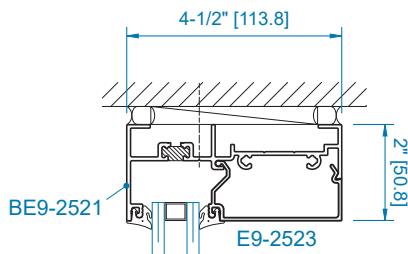


YES 45 TU FRONT SET HORIZONTAL MEMBERS FOR INSIDE GLAZING

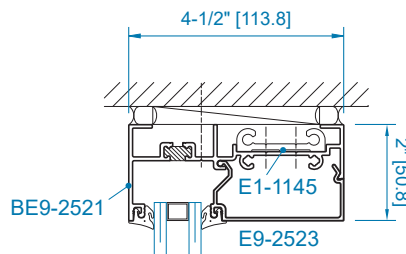


SCREW SPLINE

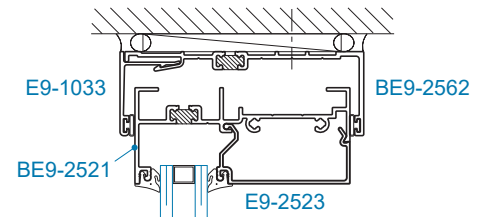
SHEAR BLOCK



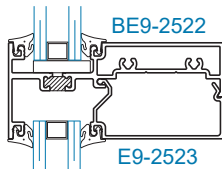
**SECTION 1
HEAD**



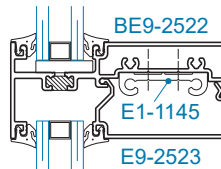
**SECTION 1A
HEAD**



**SECTION 1B
HEAD RECEPTOR**

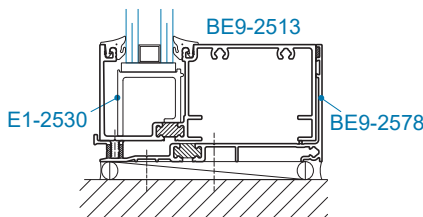
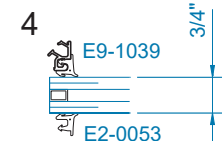
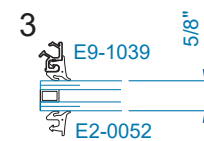
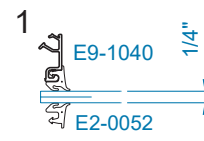


**SECTION 2
HORIZONTAL**

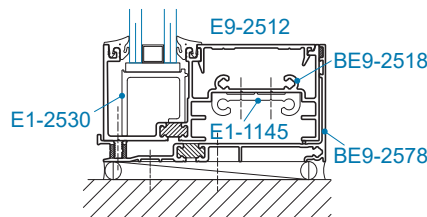


**SECTION 2A
HORIZONTAL**

GLAZING OPTIONS

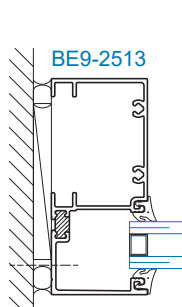
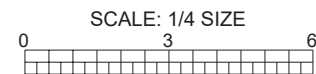
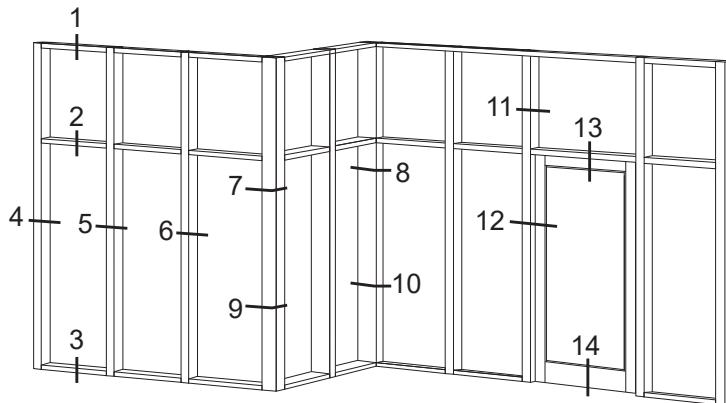


**SECTION 3
SILL**

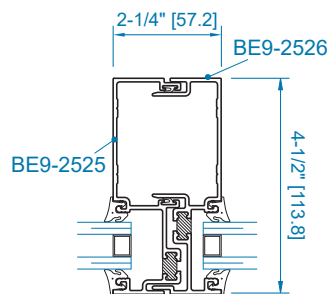


**SECTION 3A
SILL**

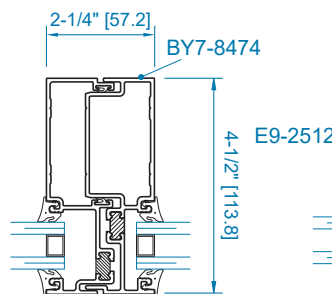
YES 45 TU FRONT SET VERTICAL & CORNER MEMBERS



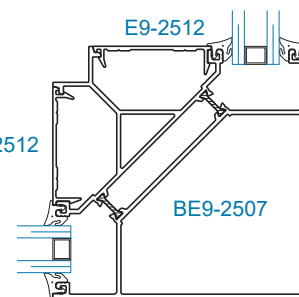
SECTION 4
JAMB



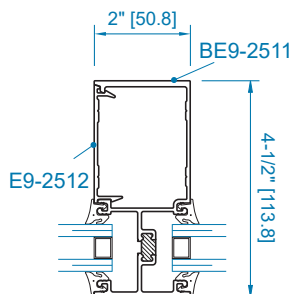
SECTION 6
EXPANSION
MULLION



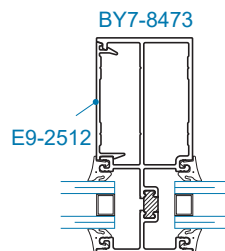
SECTION 6A
TUBULAR EXPANSION
MULLION



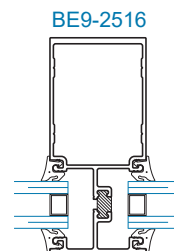
SECTION 7
90° OUTSIDE CORNER



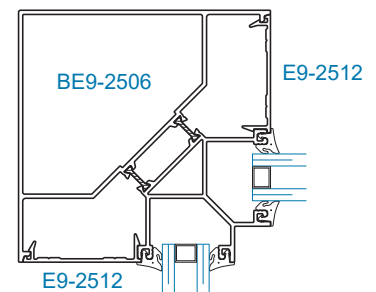
SECTION 5
TWO PIECE MULLION



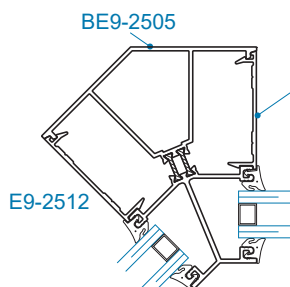
SECTION 5A
ONE PIECE MULLION



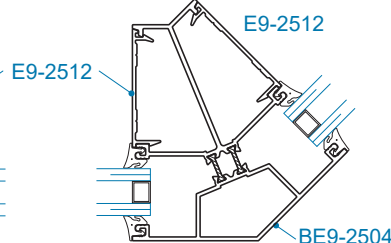
SECTION 5B
ONE PIECE MULLION



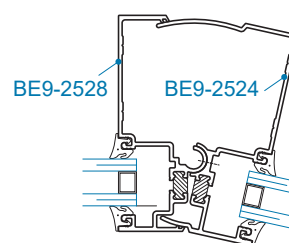
SECTION 8
90° INSIDE CORNER



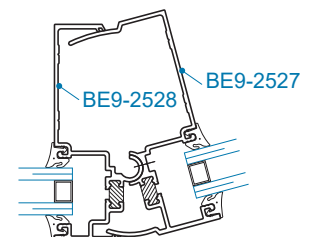
SECTION 9
135° INSIDE CORNER



SECTION 10
135° OUTSIDE CORNER

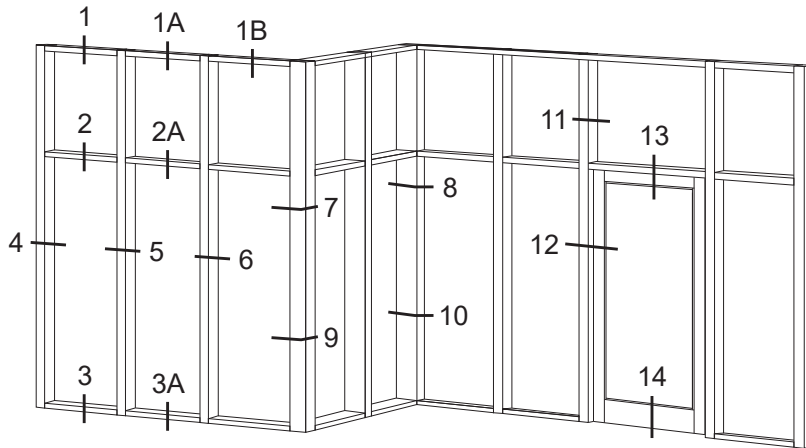


SECTION 9A
0°- 12.5° HINGED
INSIDE CORNER

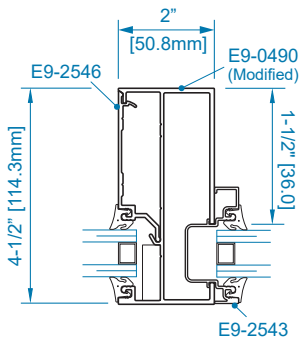
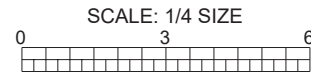


SECTION 10A
3°- 15° HINGED
OUTSIDE CORNER

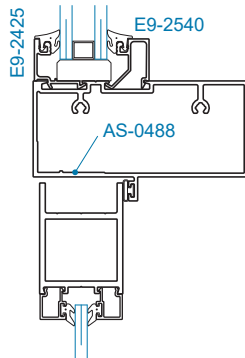
YES 45 TU FRONT SET DOOR FRAMING MEMBERS



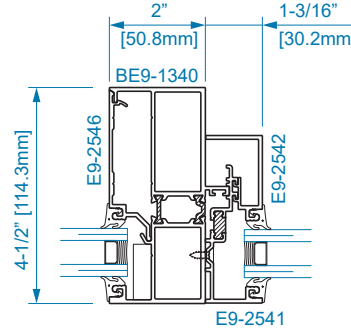
NOTE: For best thermal performance, surface mounted closer is recommended.
Dual Finish option not available with OHCC.



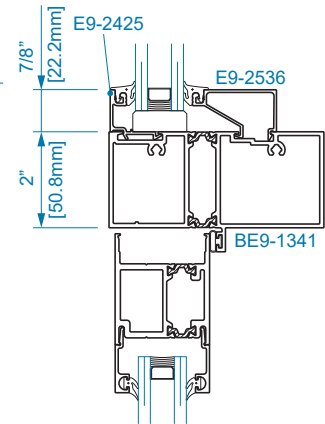
SECTION 11
STANDARD
TRANSOM JAMB



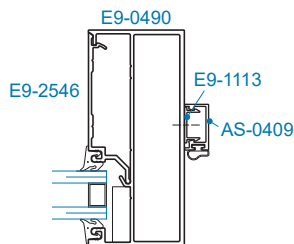
SECTION 13
STANDARD
TRANSOM BAR



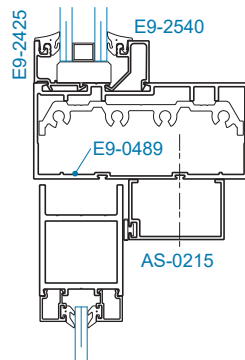
SECTION 11T
THERMAL
TRANSOM JAMB



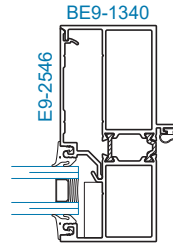
SECTION 13T
THERMAL
TRANSOM BAR



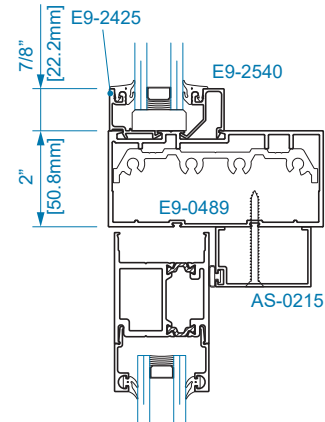
SECTION 12
STANDARD
DOOR JAMB



SECTION 13A
OHCC
TRANSOM BAR

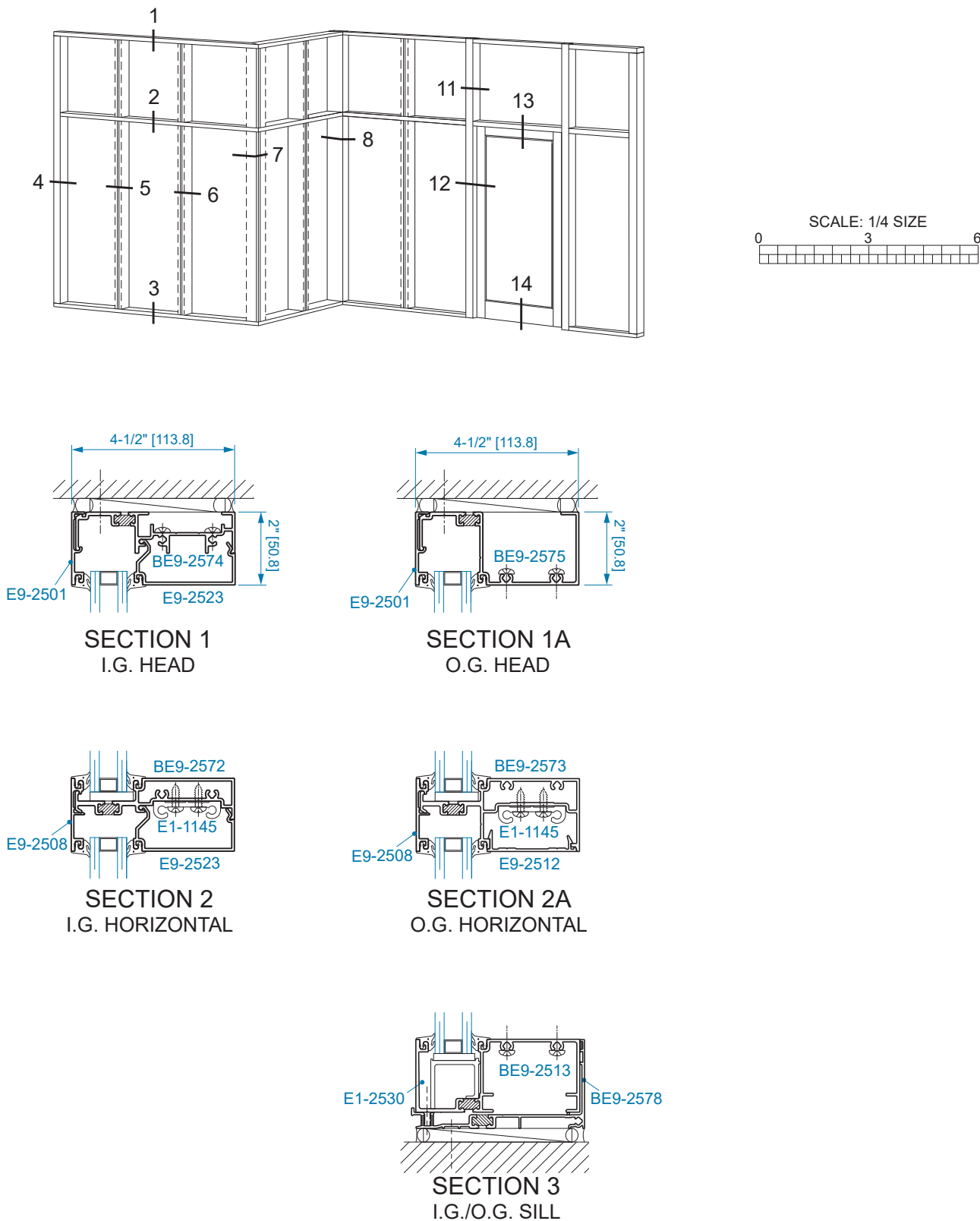


SECTION 12T
THERMAL
DOOR JAMB

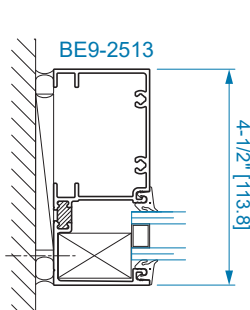
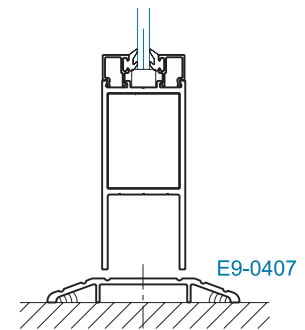
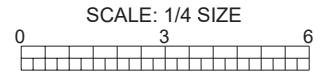
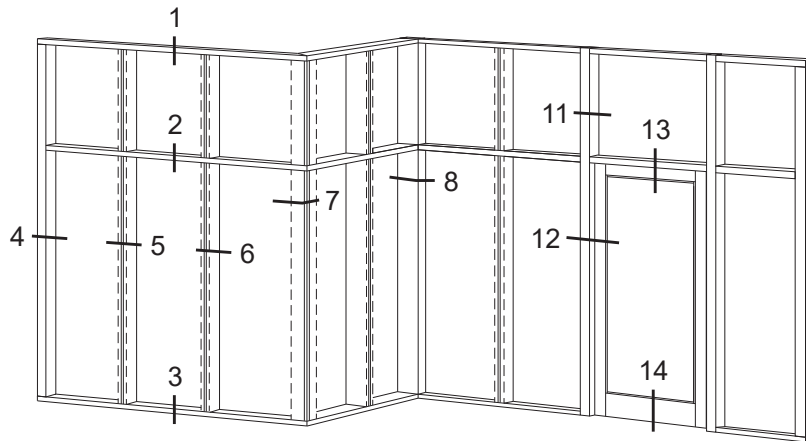


SECTION 13AT
OHCC
TRANSOM BAR

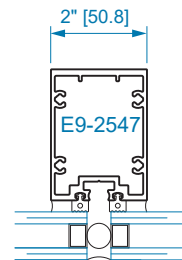
YES 45 TU FRONT SET HORIZONTAL MEMBERS FOR SSG



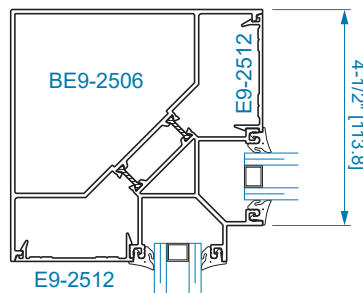
YES 45 TU FRONT SET VERTICAL MEMBERS FOR SSG



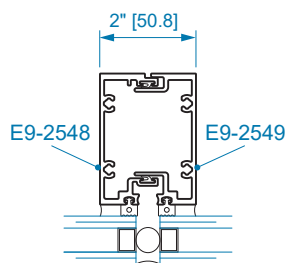
**SECTION 4
JAMB**



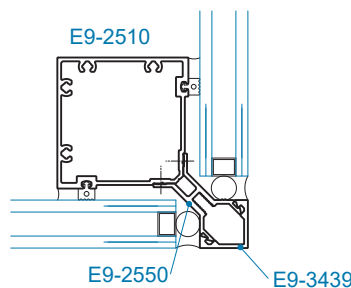
**SECTION 5
SSG MULLION**



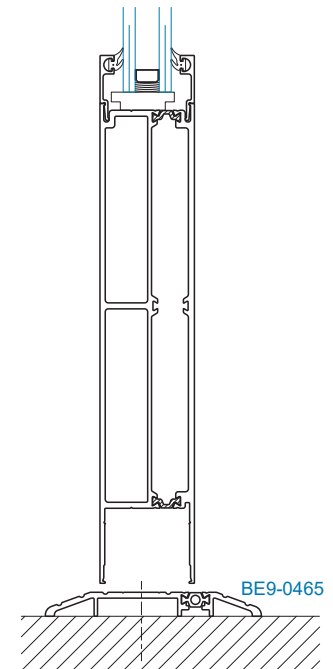
**SECTION 8
90° INSIDE CORNER**



**SECTION 6
EXPANSION
SSG MULLION**

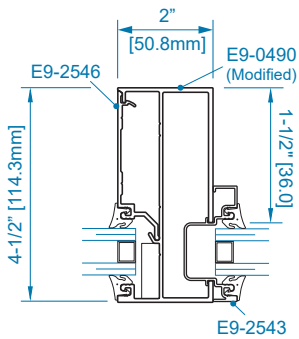
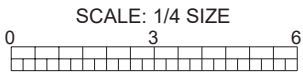
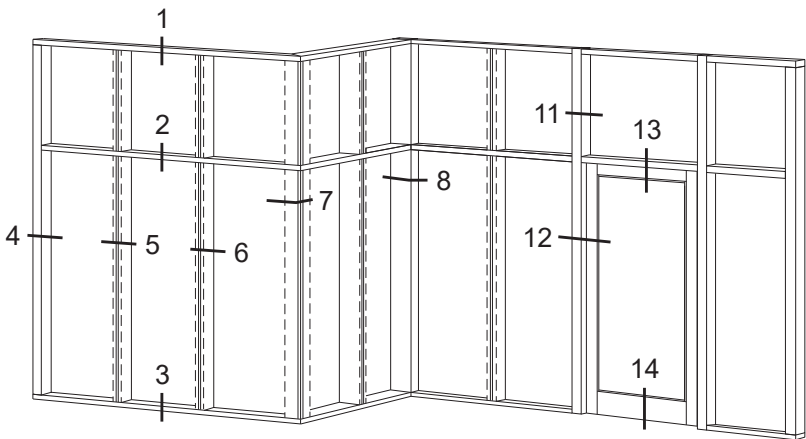


**SECTION 7
SSG CORNER
MULLION**

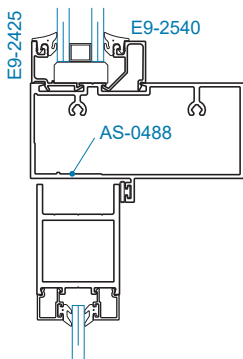


**SECTION 14T
THERMAL BOTTOM
RAIL**

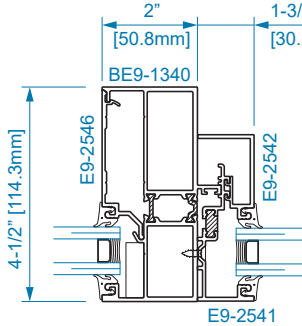
YES 45 TU FRONT SET DOOR FRAMING MEMBERS FOR SSG



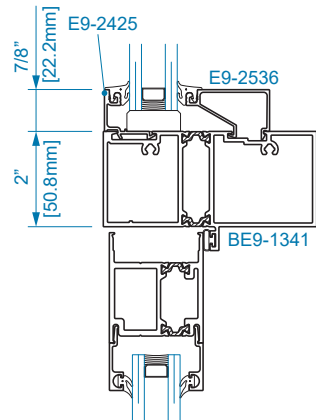
SECTION 11
STANDARD
TRANSOM JAMB



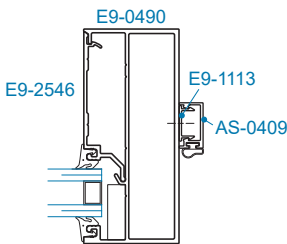
SECTION 13
STANDARD
TRANSOM BAR



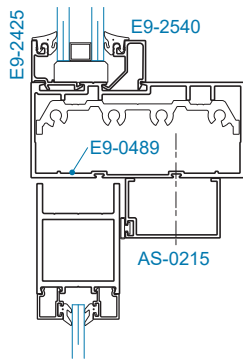
SECTION 11T
THERMAL
TRANSOM JAMB



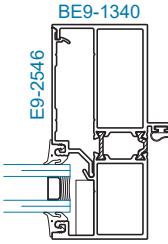
SECTION 13T
THERMAL
TRANSOM BAR



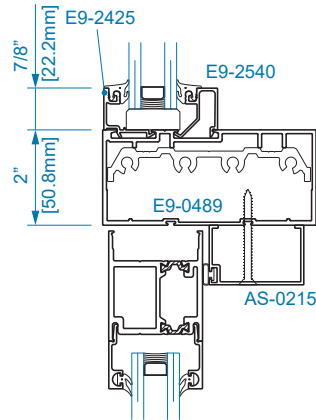
SECTION 12
STANDARD
DOOR JAMB



SECTION 13A
OHCC
TRANSOM BAR



SECTION 12T
THERMAL
DOOR JAMB



SECTION 13AT
OHCC
TRANSOM BAR

YES 45 TU FRONT SET WIND LOAD CHARTS

DEFLECTION CRITERIA: AAMA TIR-A11 - L/175 FOR $\leq 13'-6"$ SPAN OR

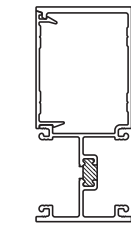
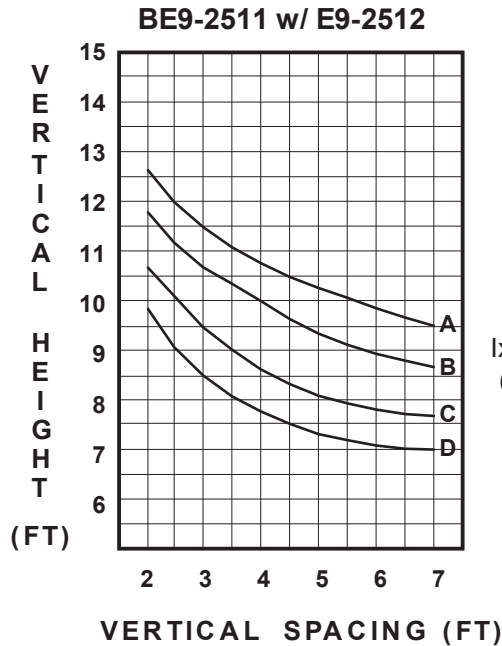
L/240 + 1/4" (6.4mm) - FOR SPANS GREATER THAN 13'-6" (4.1m) BUT LESS THAN 40'-0" (12.2m)

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

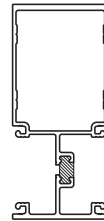
ALLOWABLE WIND LOAD STRESS

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

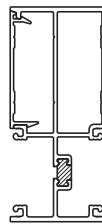
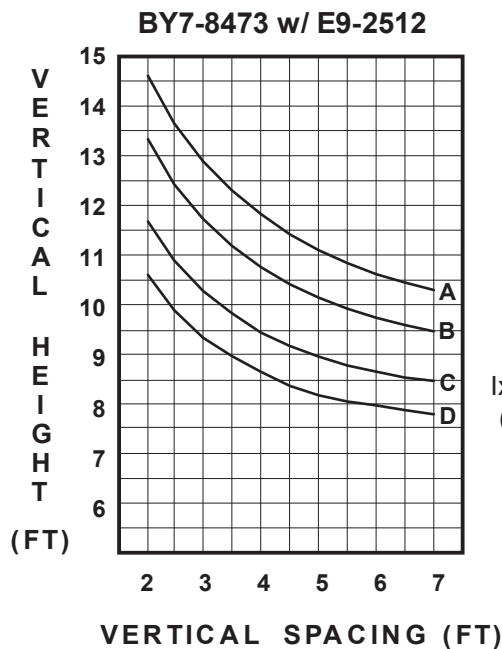
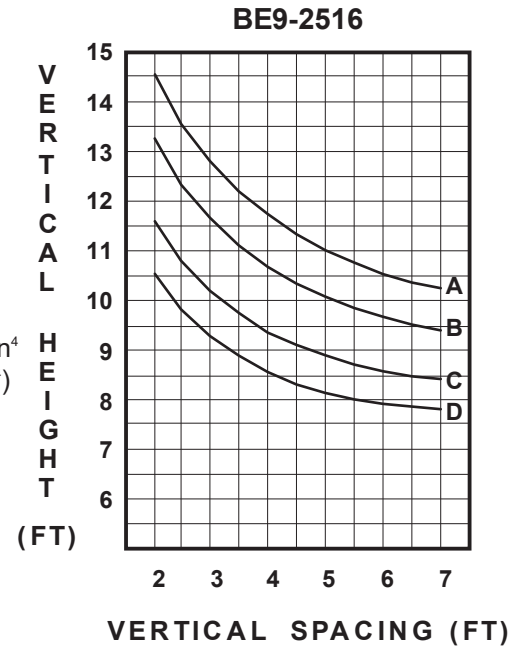
These charts include unbraced length analysis and are based off at least one horizontal being placed at the midpoint of the span. For other applications, please contact YKK AP engineers at 1-866-955-2732.



$I_{xx} = 3.287 \text{ in}^4$
(136.82 cm^4)

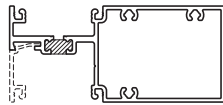


$I_{xx} = 3.362 \text{ in}^4$
(139.94 cm^4)

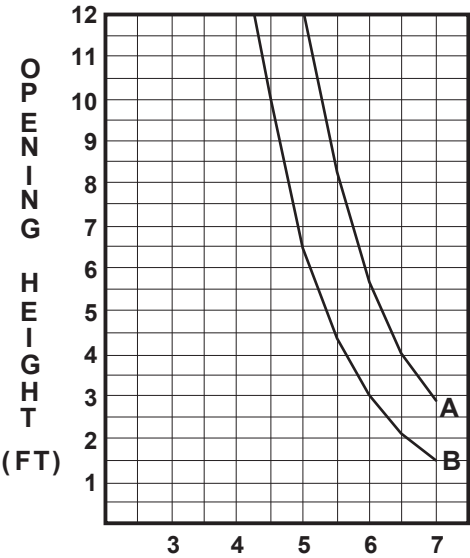


$I_{xx} = 3.417 \text{ in}^4$
(142.23 cm^4)

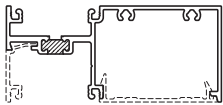
YES 45 TU FRONT SET DEAD LOAD CHARTS



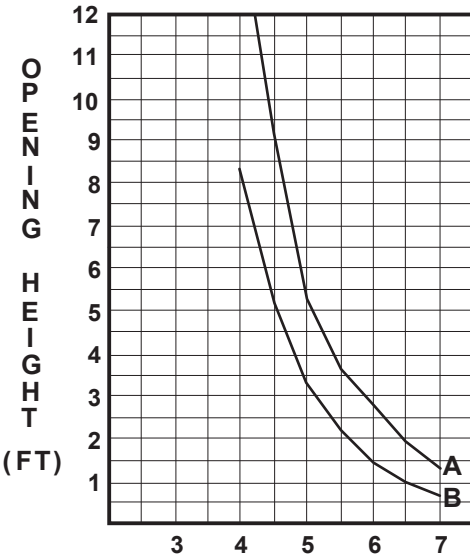
BE9-2515



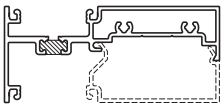
OPENING WIDTH (FT)



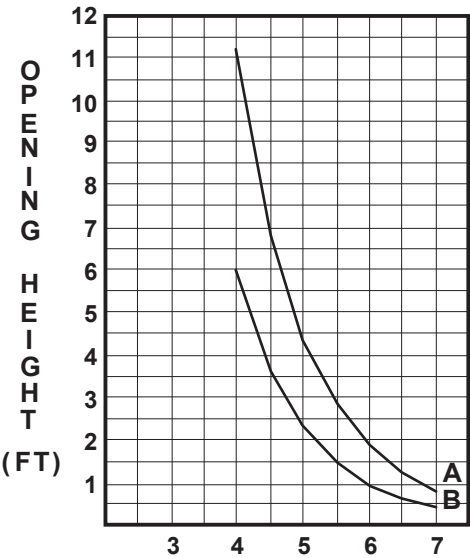
BE9-2517



OPENING WIDTH (FT)



BE9-2522



OPENING WIDTH (FT)

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.

YES 45 TU FRONT SET SSG WIND LOAD CHARTS

