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

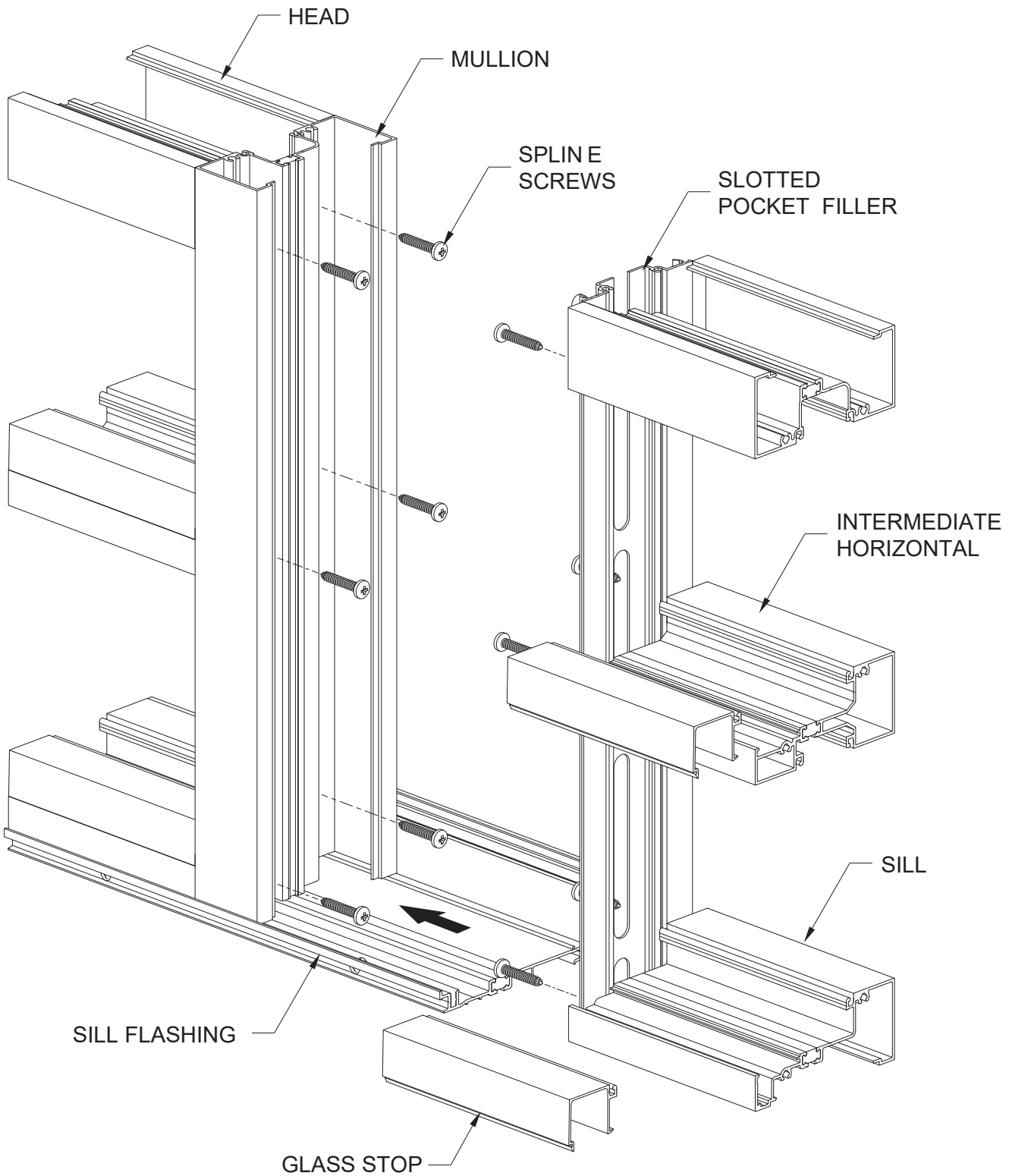
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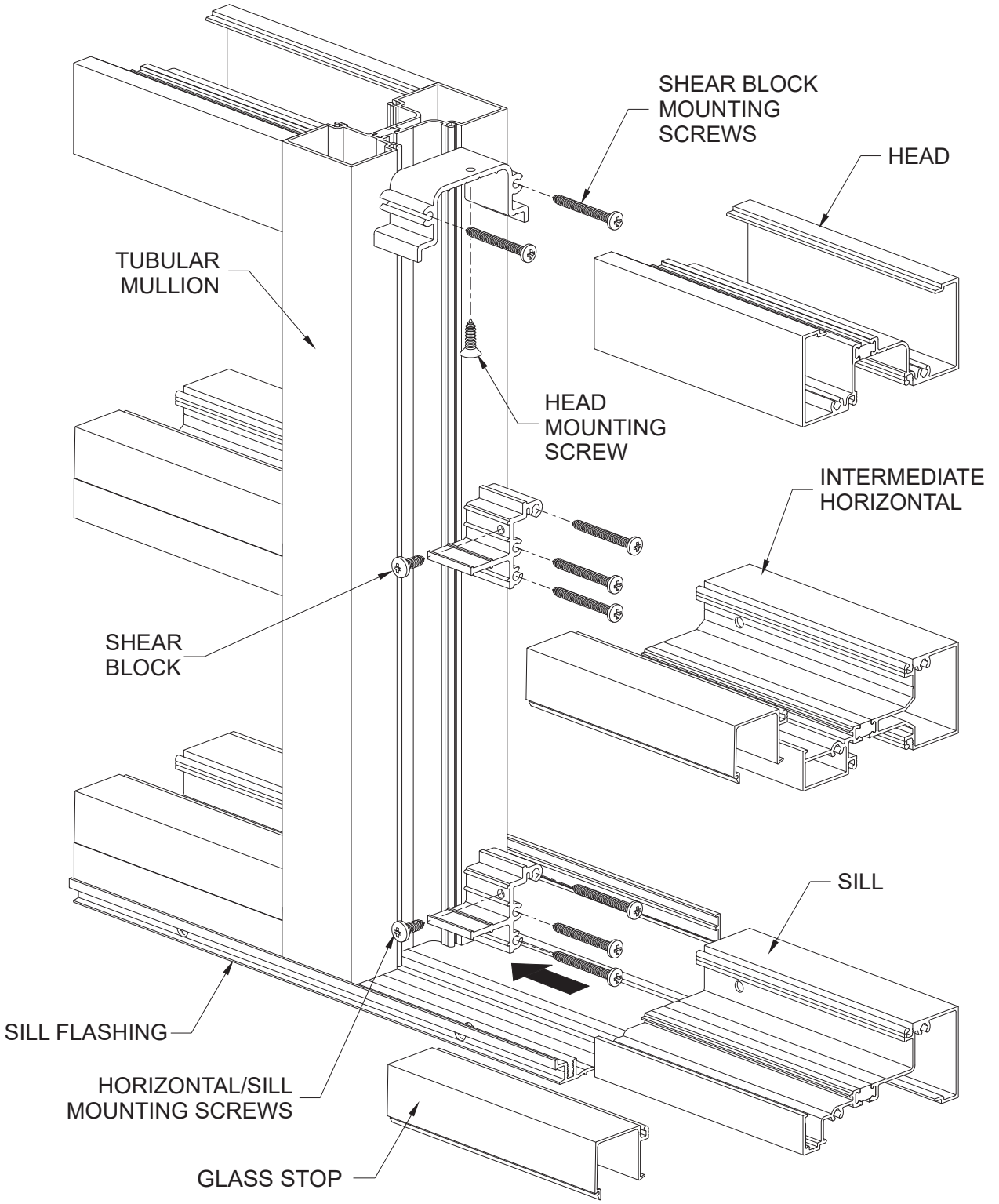
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*The latest installation instructions for this product are available at www.ykkap.com.

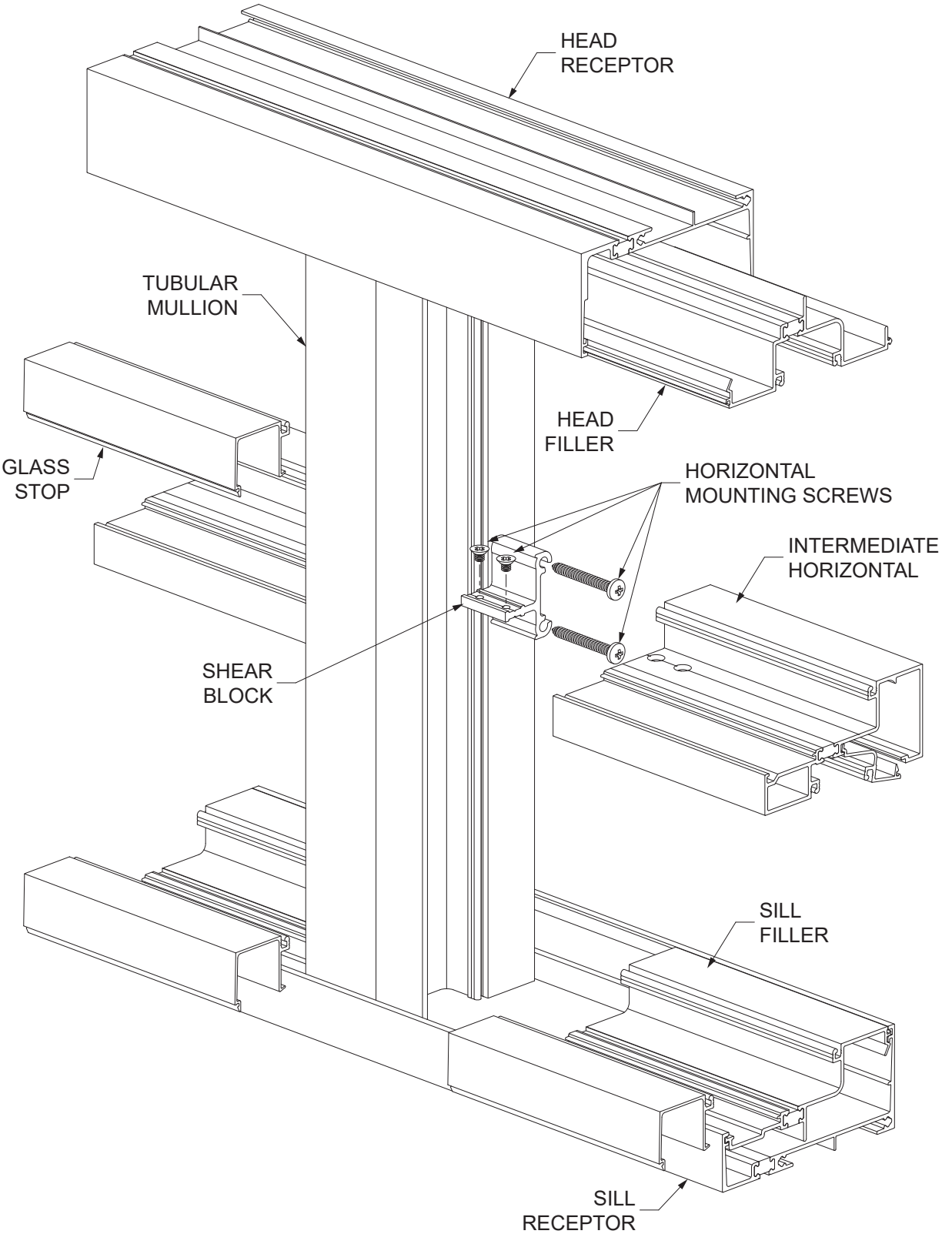
YES 45 TU SCREW SPLINE ASSEMBLY



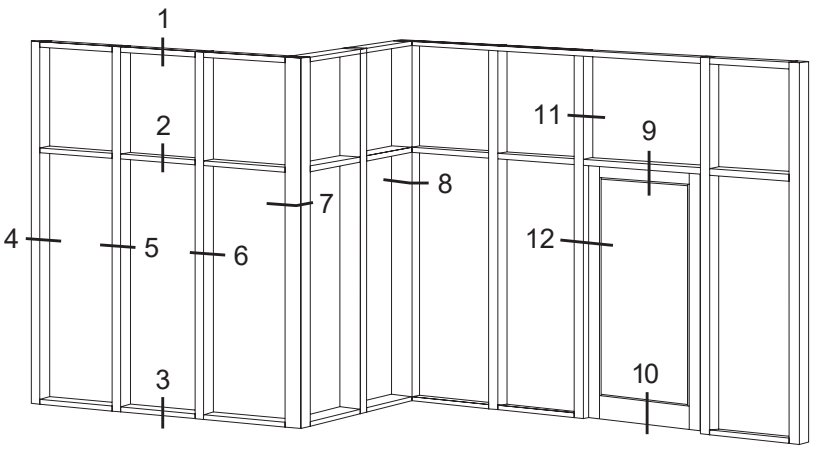
YES 45 TU SHEAR BLOCK ASSEMBLY



YES 45 TU CAN ASSEMBLY

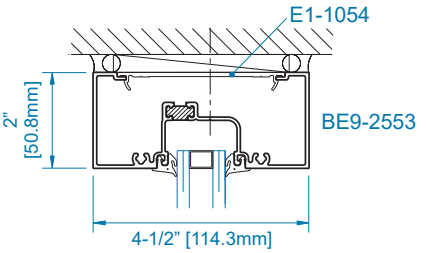


YES 45 TU HORIZONTAL MEMBERS FOR OUTSIDE GLAZING



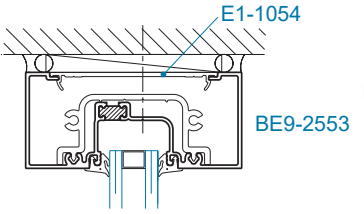
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SCREW SPLINE

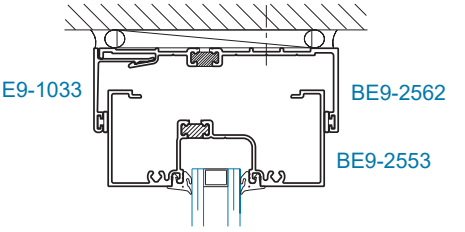


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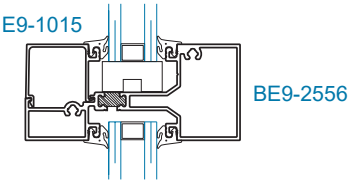
SHEAR BLOCK



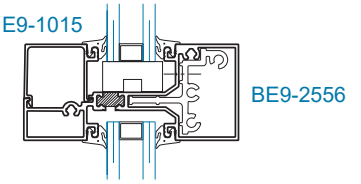
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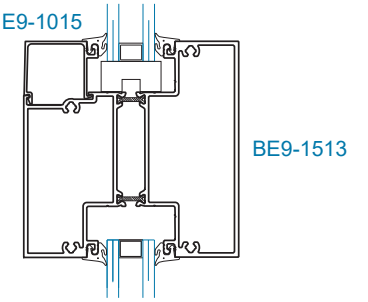
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HEAD RECEPTOR



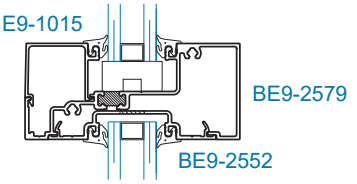
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HORIZONTAL



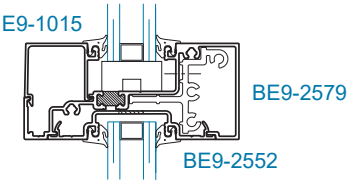
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HORIZONTAL



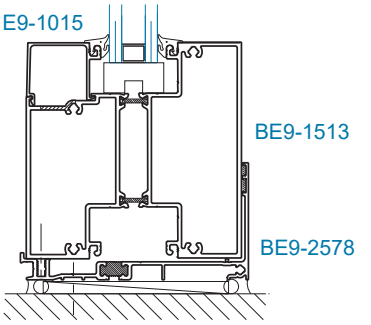
SECTION 2D
4-1/2" HORIZONTAL



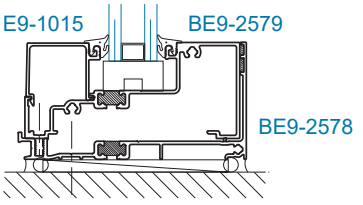
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TWO PIECE HORIZONTAL



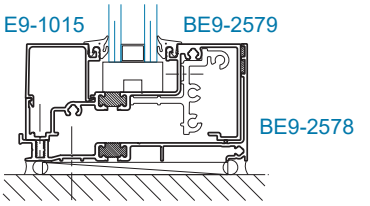
SECTION 2C
TWO PIECE HORIZONTAL



SECTION 3B
4-1/2" SILL

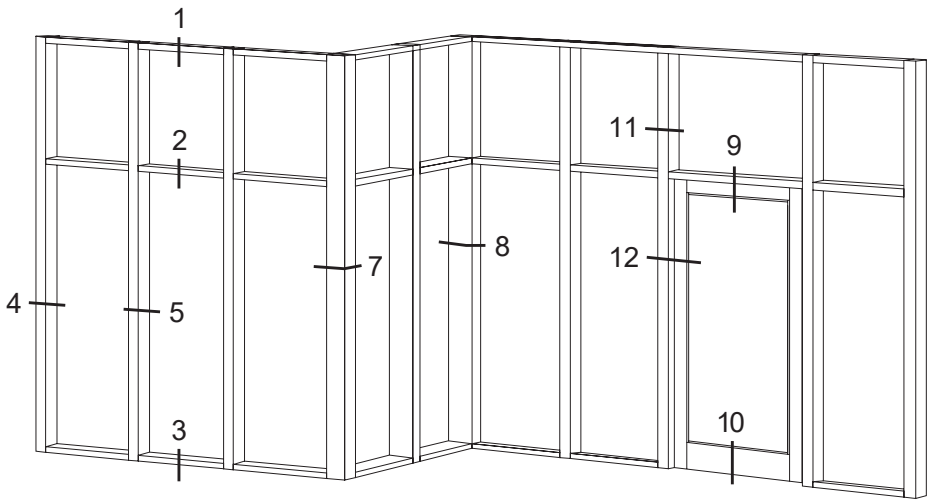


SECTION 3
SILL

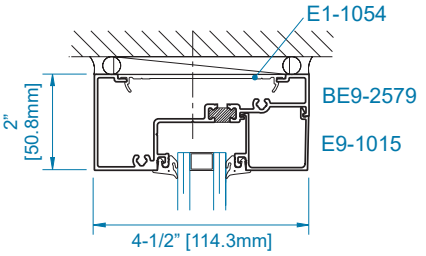


SECTION 3A
SILL

YES 45 TU HORIZONTAL MEMBERS FOR INSIDE GLAZING

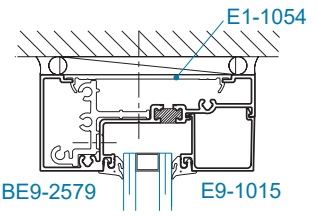


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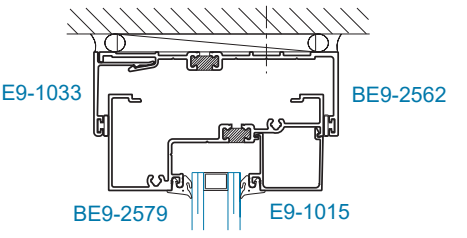


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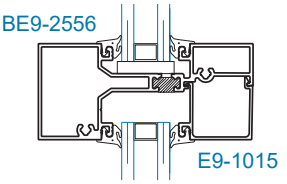
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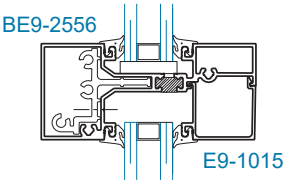
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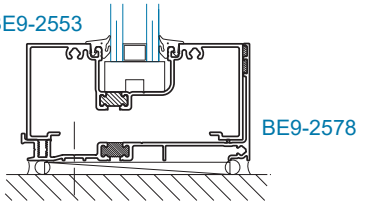
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HEAD RECEPTOR



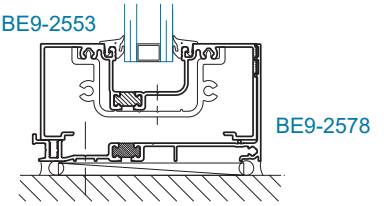
SECTION 2E
HORIZONTAL



SECTION 2F
HORIZONTAL

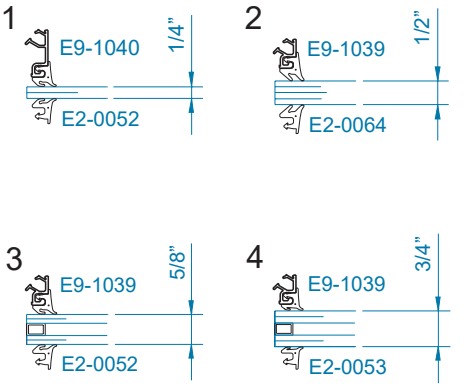


*SECTION 3C
SILL



*SECTION 3D
SILL

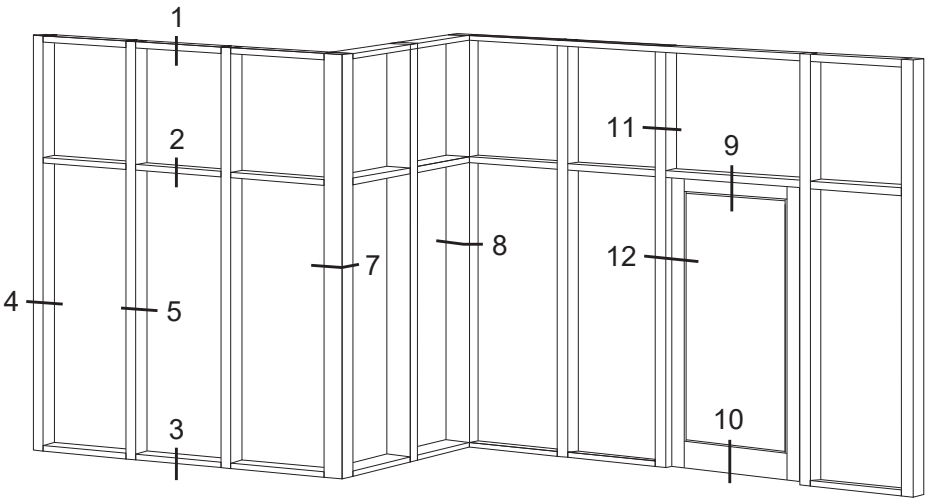
GLAZING OPTIONS



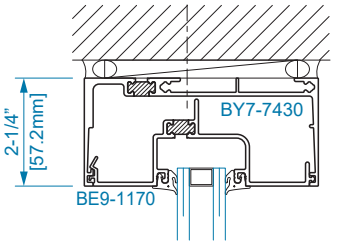
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*For applications for end reactions over 500 lbs., See Details 3 & 3A on Page 5.

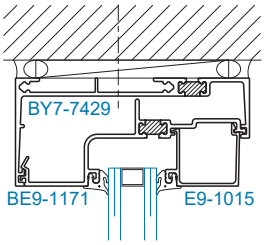
YES 45 TU HORIZONTAL MEMBERS FOR CAN ASSEMBLY



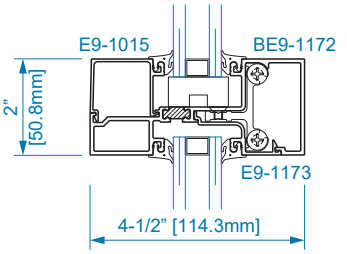
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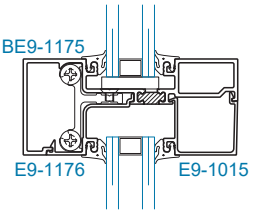
SECTION 1_CAN
O.G. HEAD
CAN ASSEMBLY



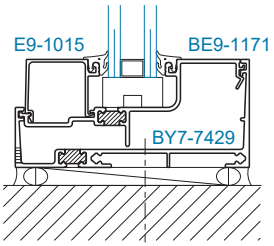
SECTION 1A_CAN
I.G. HEAD
CAN ASSEMBLY



SECTION 2_CAN
O.G. HORIZONTAL
CAN ASSEMBLY

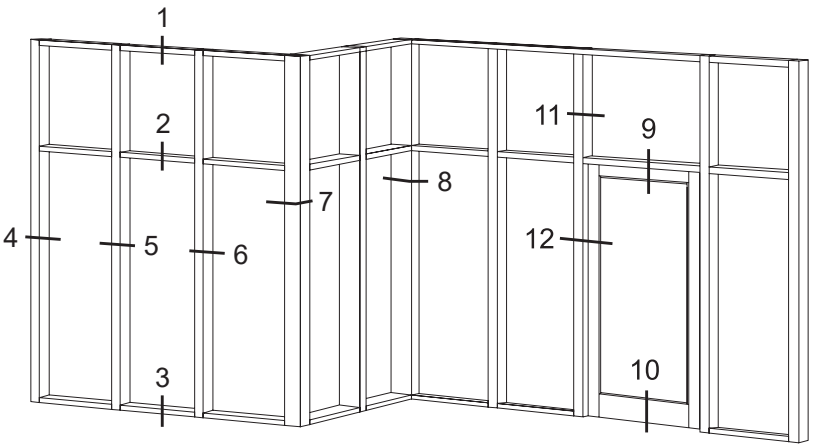


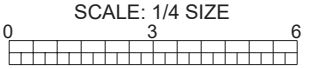
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I.G. HORIZONTAL
CAN ASSEMBLY

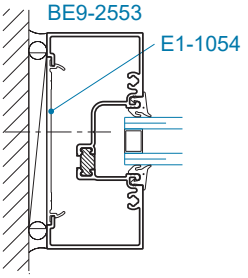


SECTION 3_CAN
O.G./I.G. SILL
CAN ASSEMBLY

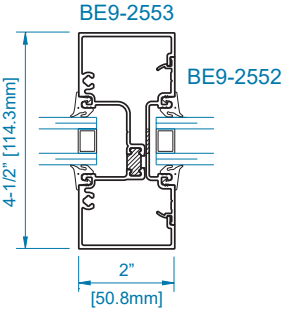
YES 45 TU VERTICAL & CORNER MEMBERS



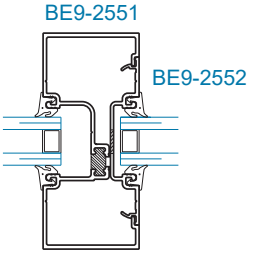




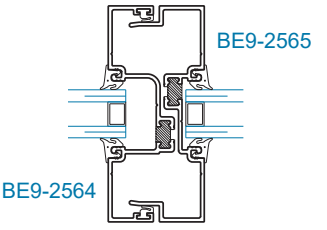
SECTION 4
JAMB



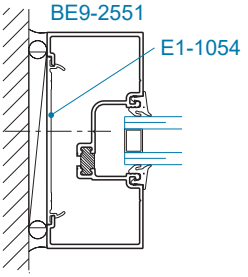
SECTION 5
MULLION



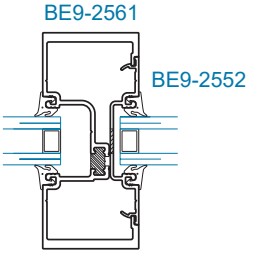
SECTION 5A
MULLION



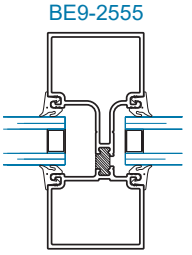
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EXPANSION
MULLION



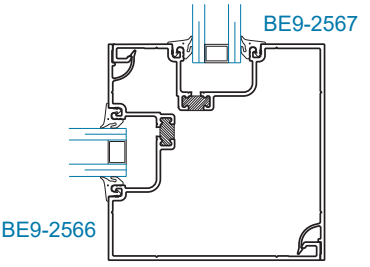
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JAMB



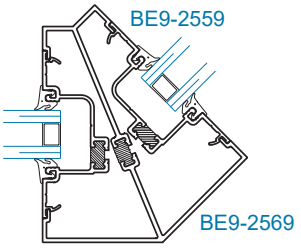
SECTION 5B
HEAVY DUTY
MULLION



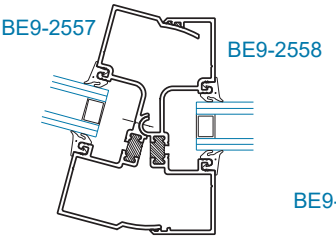
SECTION 5C
TUBULAR MULLION
FOR SHEAR BLOCK
& CAN ASSEMBLY



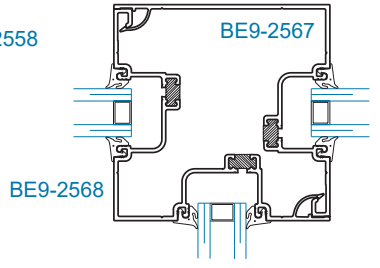
SECTION 7
90° OUTSIDE CORNER



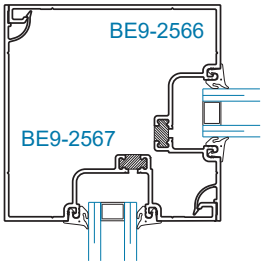
SECTION 7A
135° OUTSIDE CORNER



SECTION 7B
165°-180° HINGED
MULLION

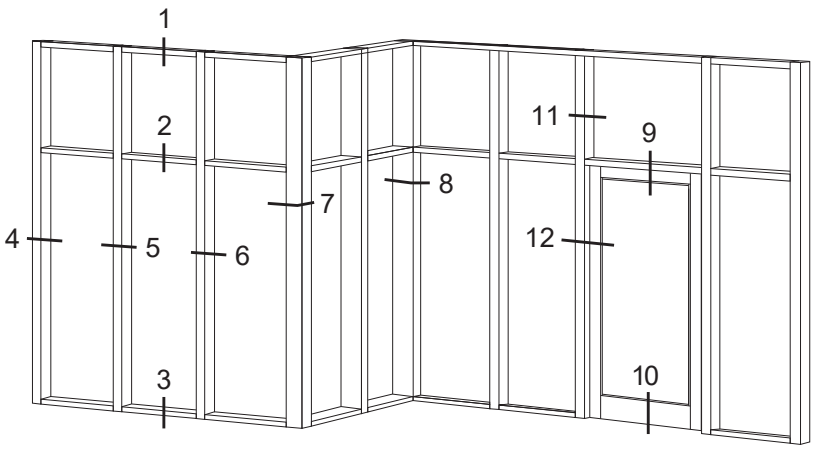


SECTION 7C
THREE WAY
CORNER

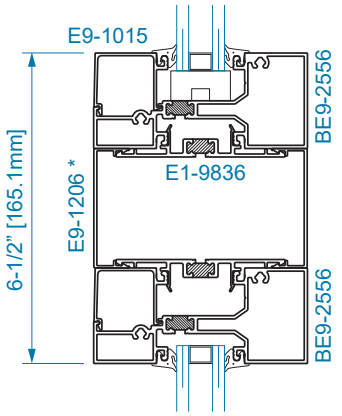


SECTION 8
90° INSIDE CORNER

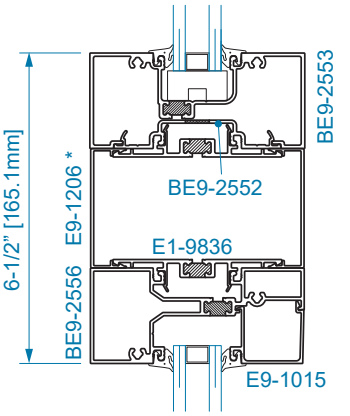
YES 45 TU COMPOUND HORIZONALS & MULLIONS



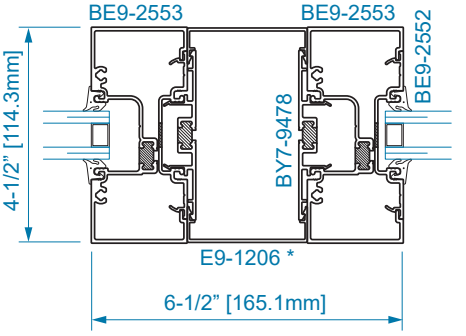
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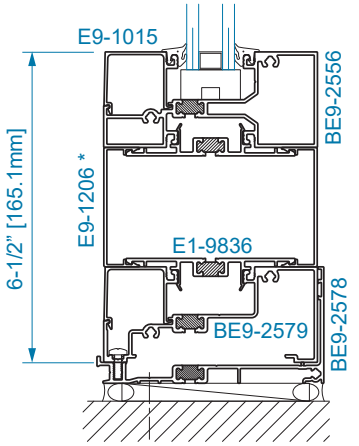
SECTION 2G
OUTSIDE GLAZED
COMPOUND HORIZONTAL



SECTION 2H
INSIDE GLAZED
COMPOUND HORIZONTAL

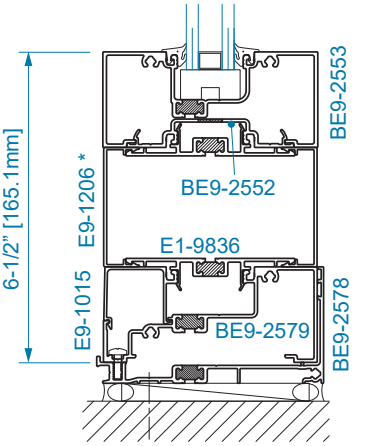


SECTION 5D
COMPOUND MULLION



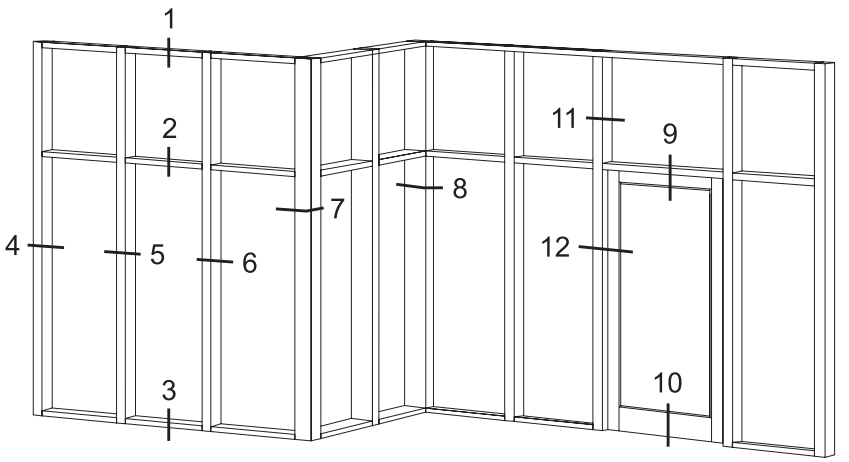
SECTION 3E
OUTSIDE GLAZED
COMPOUND SILL

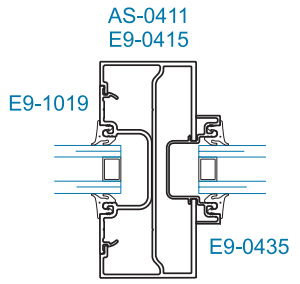
* Other face cover options available.
Contact YKK AP for more information.



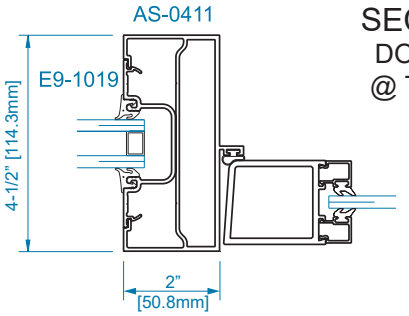
SECTION 3F
INSIDE GLAZED
COMPOUND SILL

YES 45 TU DOOR FRAMING MEMBERS

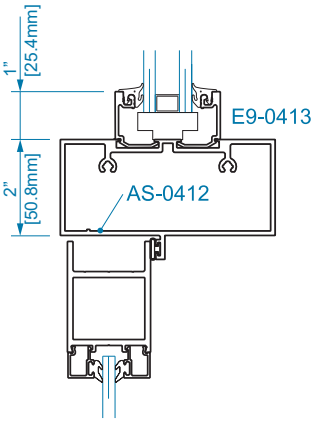




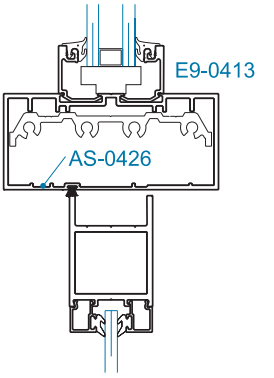
SECTION 11
DOOR JAMB
@ TRANSOM



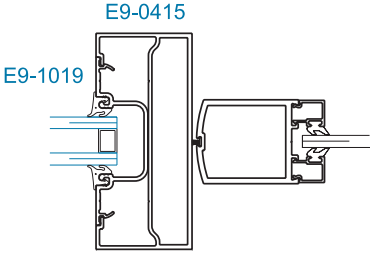
SECTION 12
SINGLE ACTING
DOOR JAMB



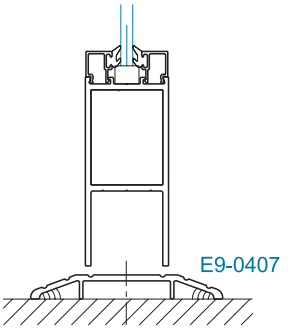
SECTION 9
SINGLE ACTING
TRANSOM BAR



SECTION 9A
DOUBLE ACTING
TRANSOM BAR



SECTION 12A
DOUBLE ACTING
DOOR JAMB

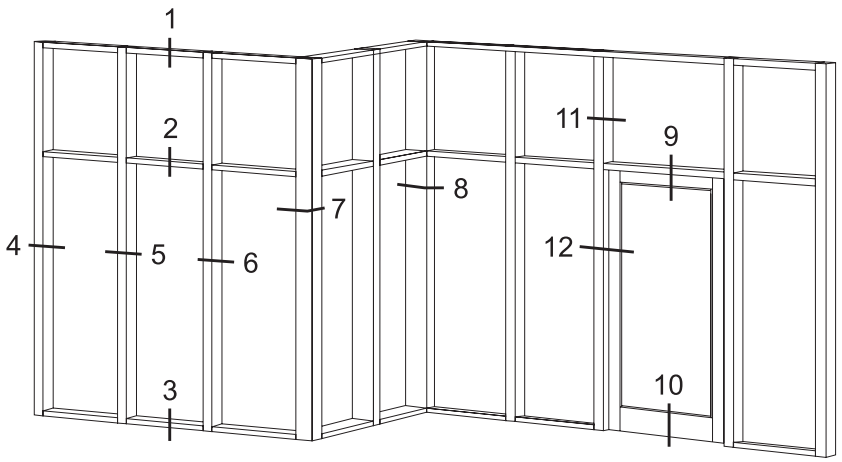


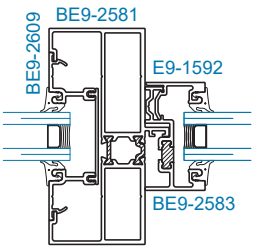
SECTION 10
BOTTOM RAIL

SCALE: 1/4 SIZE
0 3 6

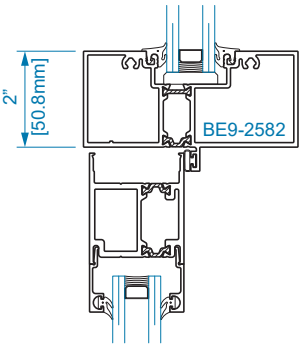
YES 45 TU THERMAL DOOR FRAMING MEMBERS

(FOR SCREW SPLINE & SHEAR BLOCK ASSEMBLY ONLY)

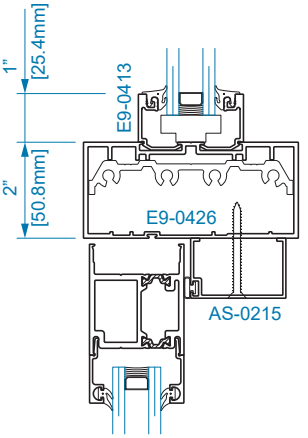




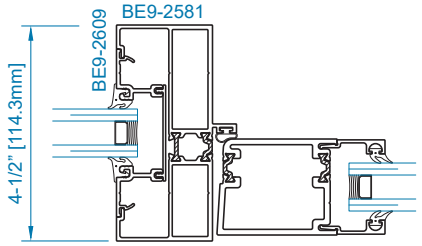
SECTION 11T
THERMAL
TRANSOM JAMB



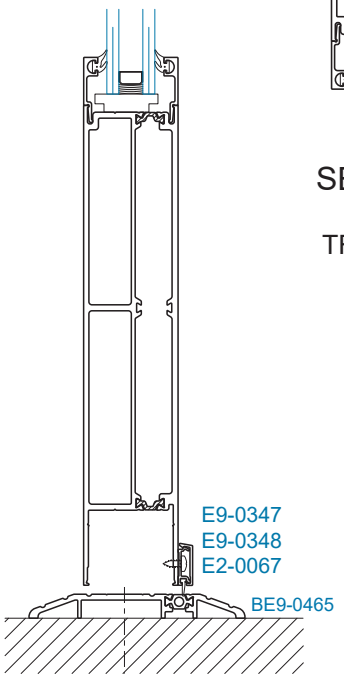
SECTION 9T
THERMAL
TRANSOM BAR



SECTION 9AT
OHCC
TRANSOM BAR



SECTION 12T
THERMAL
DOOR JAMB



SECTION 10T
THERMAL BOTTOM
RAIL

SCALE: 1/4 SIZE
0 3 6

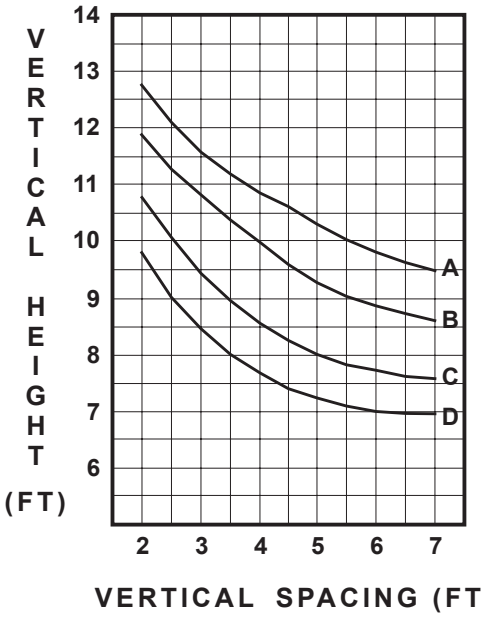
YES 45 TU WIND LOAD CHARTS

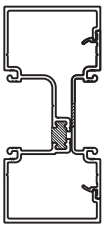
DEFLECTION CRITERIA: AAMA TIR-A11 - L/175 for ≤ 13'-6" span or
L/240 + 1/4" (6.4mm) - FOR SPANS GREATER THAN 13'-6" (4.1m) BUT LESS THAN 40'-0" (12.2m)
CODES AND SPECIFICATIONS MAY VARY, NO SINGLE LITE OF GLASS SHALL DEFLECT MORE THAN 3/4" (19.1mm) ALONG SUPPORTED EDGE.

ALLOWABLE WIND LOAD CHARTS
YKK AP tested standard. Contact YKK AP for more information.

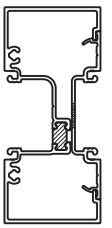
These charts include unbraced length analysis and are based off at least one horizontal being placed at the midpoint of the span. For other applications, please contact YKK AP engineers at 1-866-955-2732.

BE9-2551 / BE9-2552





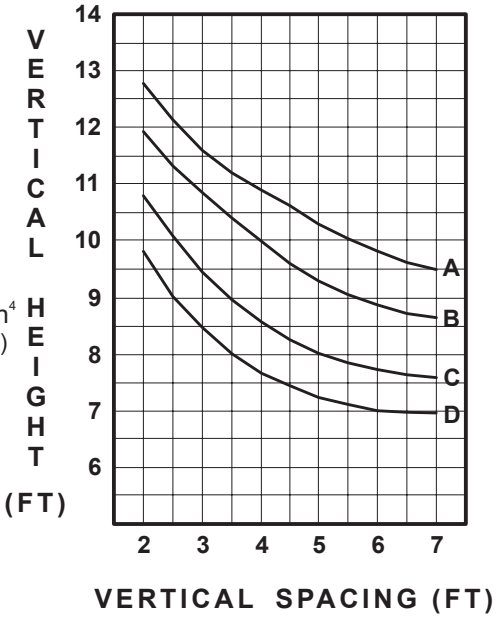
Ixx=3.008 in^4
(125.20 cm^4)



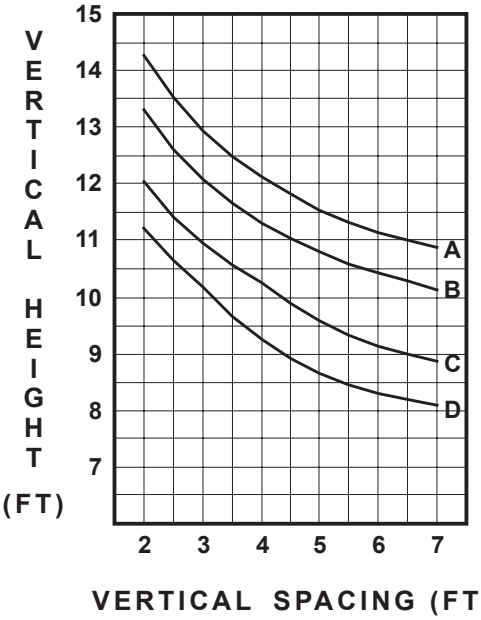
Ixx=2.983 in^4
(124.16 cm^4)

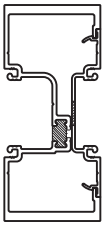
A=15 PSF (720 Pa)
B=20 PSF (960 Pa)
C=30 PSF (1440 Pa)
D=40 PSF (1920 Pa)

BE9-2553 / BE9-2552

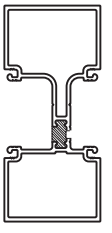


BE9-2561 / BE9-2552



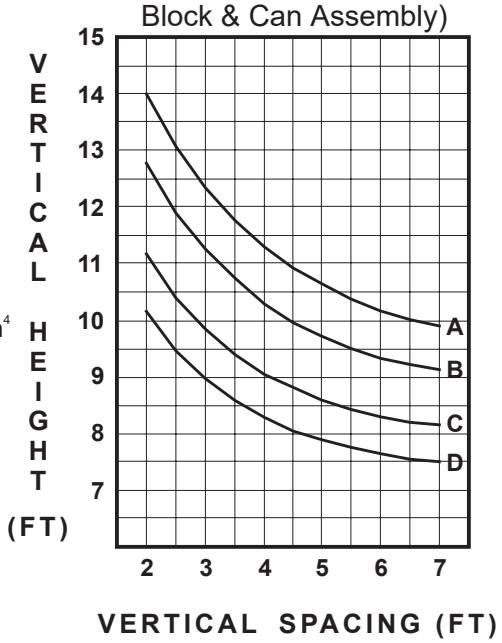


Ixx=5.002 in^4
(208.20 m^4)

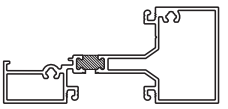


Ixx=3.000 in^4
(124.9 cm^4)

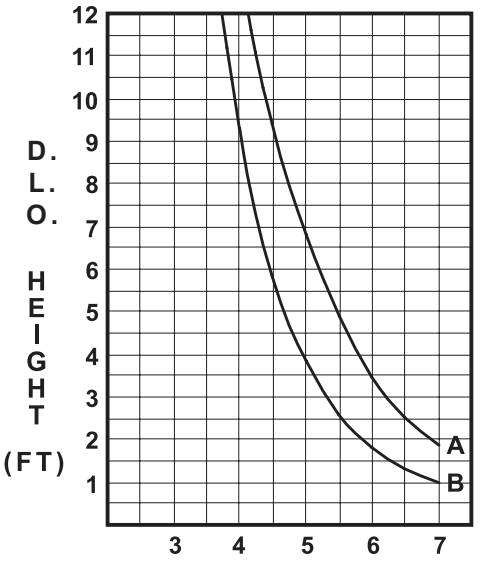
BE9-2555 (For Shear Block & Can Assembly)

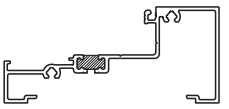


YES 45 TU DEAD LOAD CHARTS

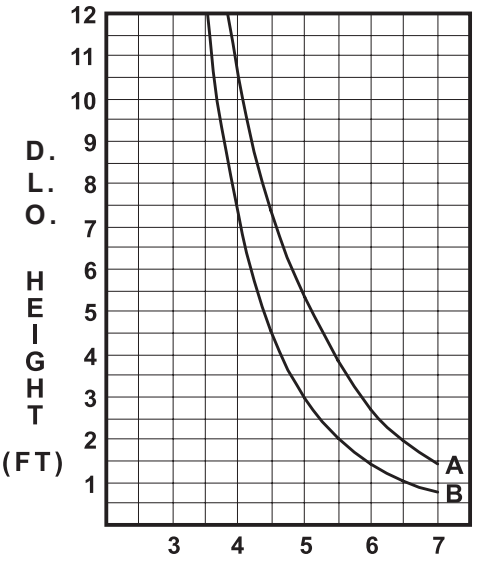


BE9-2556



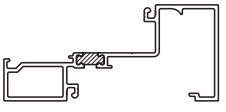


BE9-2554

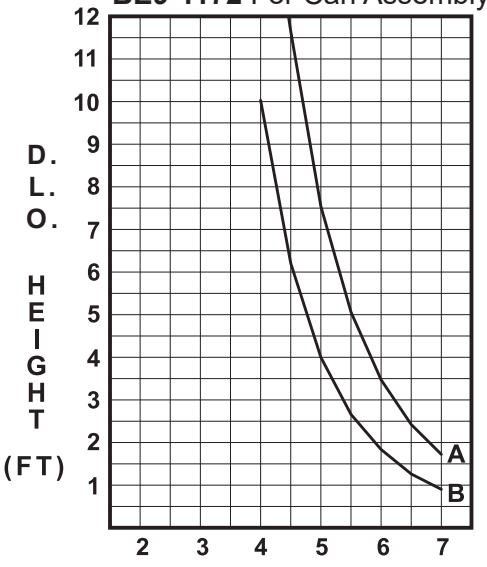


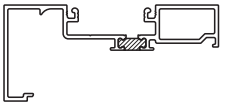
A = Setting Blocks at 1/8 Point Locations
B = Setting Blocks at 1/4 Point Locations

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



BE9-1172 For Can Assembly





BE9-1175 For Can Assembly

