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Unit Features

Maximum Sizes:

Pre-hung doors:

- Maximum: 42" wide × 96" high

Slab doors:

- Maximum: 48" wide × 120" high

Sidelites:

- Maximum: 36" wide × 120" high

Transoms:

- Maximum: 120" wide × 48" high

Overall Entry System:

Factory assembled maximum:	93" wide × 96" high
Certified units:	Rules TBD
System layouts:	See page 4 to choose from available configurations

Available Frame Types:

Uniframe:

- Minimum: 4-⁹/₁₆"
- Maximum: 6-⁹/₁₆"

Single Rabbet:

- Minimum: 4-⁹/₁₆"
- Maximum: 9"

Double Rabbet:

- Minimum: 4-⁹/₁₆"
- Maximum: 9"
- With screen door minimum: 6-⁹/₁₆" – maximum: 9"

Frame Mulling Options:

Prep for field mull

Factory mull

Spread mull:

- Minimum: 1"
- Maximum: 6"

Reinforced mull:

- Minimum: 1" LVL,
- Maximum: 2" LVL

Sill Options:

Available as continuous up to 120"

Available with sill horns:

Depth

- Minimum: 1-¹/₁₆"
- Maximum: 3-⁷/₁₆"

Length

- Minimum: 1"
- Maximum: 6"

Oak adjustable

Hydrosill

- Sill horns not available for Hydrosill™.

ADA sill

Solid honduran mahogany

Solid plain sawn white oak

Solid honduran mahogany with bronze interlock

Solid plain sawn white oak with bronze interlock

Sidelite Options:

600+ Door styles can be configured as sidelites

Available in-sash or direct set

Transom Options:

Choose from 23 glass or panel transom options

Available in-sash or direct set

Note: all transoms ship separately for field mulling

Natural Wood Species:

Standard ¹/₁₆" flitch veneers

Optional ¹/₈" veneers

- Stain-grade genuine mahogany
- Stain-grade mahogany
- Paint-grade mahogany
- Douglas fir
- Cherry
- White oak
- Walnut
- Paint-grade douglas fir
- Alder

Sticking Profiles

Styles (see pages 22-23)

- OG – Roman Ogee
- SS – Square Stick
- QB – Quarter Bead
- QR – Quarter Round
- CB – Cove and Bead
- BV – Bevel
- OS – One Step
- LP – Low Profile Bolection Moulding
- CV – Cove Moulding
- BBM – Big Bolection Moulding
- BM – Bolection Moulding

Custom profiles available upon request

Panel Profiles:

Styles (see pages 24-25)

- A – Raised
- B – Scoop
- C – Flat
- D – Double Hip
- E – Senior Raised
- F – Senior Bevel

Custom profiles with size limitations — contact your Sales Rep for more information

Unit Features

Glass Types

Standard insulated glass:

- LoE 272 w/Argon (default)
- LoE 366
- LoE 340 (ELR)
- LoE 180
- White Lami
- Clear Lami
- Satin Etched
- Low Iron
- Frosted
- English Reeded
- Glue Chip
- Rain
- Obscure
- Aqualite
- Seedy Wash
- Bevel

Simulated Divided Lite (SDL) Options

Available in $\frac{5}{8}$ ", $\frac{7}{8}$ ", and 1- $\frac{1}{8}$ " wide bars

- OG – Roman Ogee
- SS – Square Stick
- QB – Quarter Bead
- QR – Quarter Round
- CB – Cove and Bead
- BV – Bevel
- OS – One Step

True Divided Lite (TDL) Options

Only offered in 1- $\frac{5}{8}$ " wide bars

- OG – Roman Ogee
- SS – Square Stick
- QB – Quarter Bead
- QR – Quarter Round
- CB – Cove and Bead
- BV – Bevel
- OS – One Step

Factory Finishing

Stain-grade: High-quality, exterior-grade factory finishing available. See <https://www.trustile.com/finishing-options/factory-finishing> for finish options by species

Paint-grade: High-quality, exterior-grade primer standard.

Hardware

Handle sets not provided

- Ability to machine for any cylindrical or mortise handle set
- GU Secury Automatic Multipoint available upon request
 GU Secury Rhino Multipoint lock available upon request

Note: multipoint locks are highly recommended on pair units and doors over 8' tall.

Hinges

4" × 4" ball bearing, square corner TruStile branded architectural hinges standard

Colors:

- US19 Flat Black
- US3 Bright Brass
- US4 Satin Brass
- US5 Antique Brass
- US10A Antique Bronze
- US10B Oil-Rubbed Bronze
- US14 Polished Nickel
- US15 Satin Nickel
- US15A Antique Nickel
- US26 Polished Chrome
- US26D Satin Chrome

Emtek and Baldwin hinges available upon request

Screen Door / Storm Door

Manufactured to match/complement the entry system

Screen options:

- Fiberglass
- Aluminum
- Bronze
- Hi-vis
- Pet

Options:

- Black hydraulic closer (default)
- Screen door handle sets from Emtek and Deltana available as standard options.

Casing options

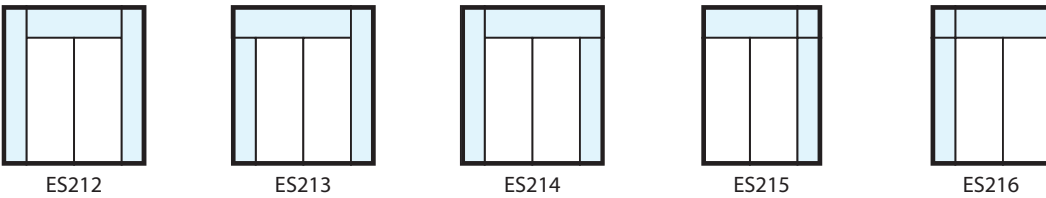
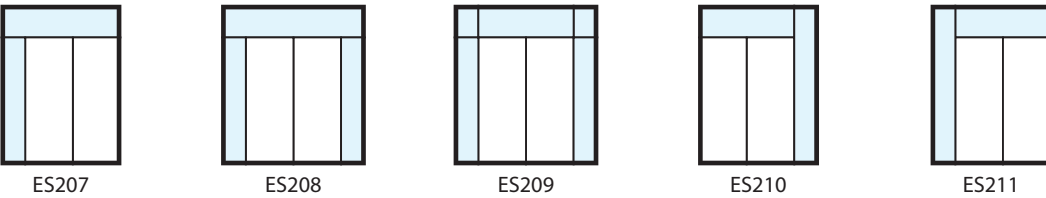
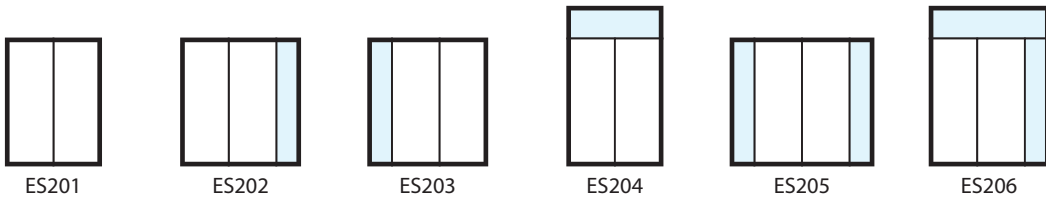
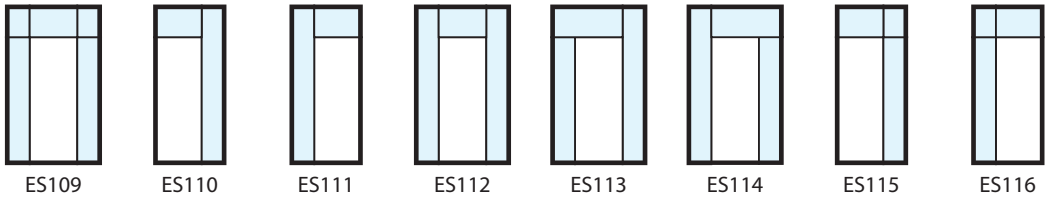
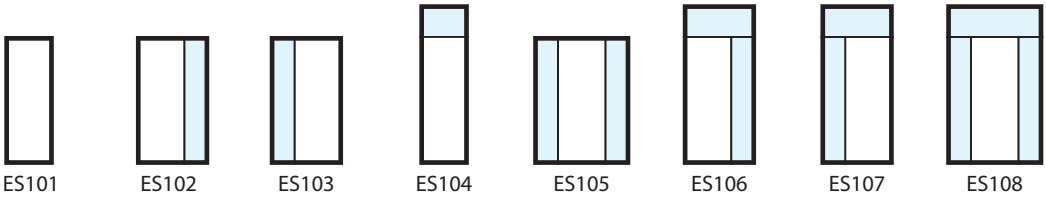
WM180 – Brick Mould:

1- $\frac{1}{4}$ " thick × 2" wide

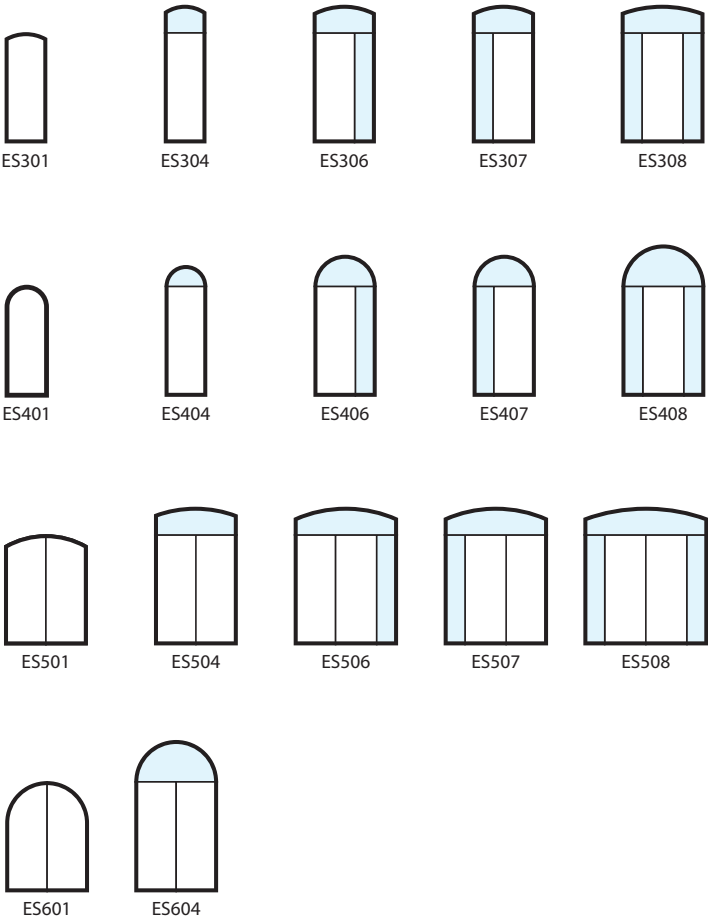
Configurable S4S:

Available in all species in both $\frac{3}{4}$ " and 1" thicknesses

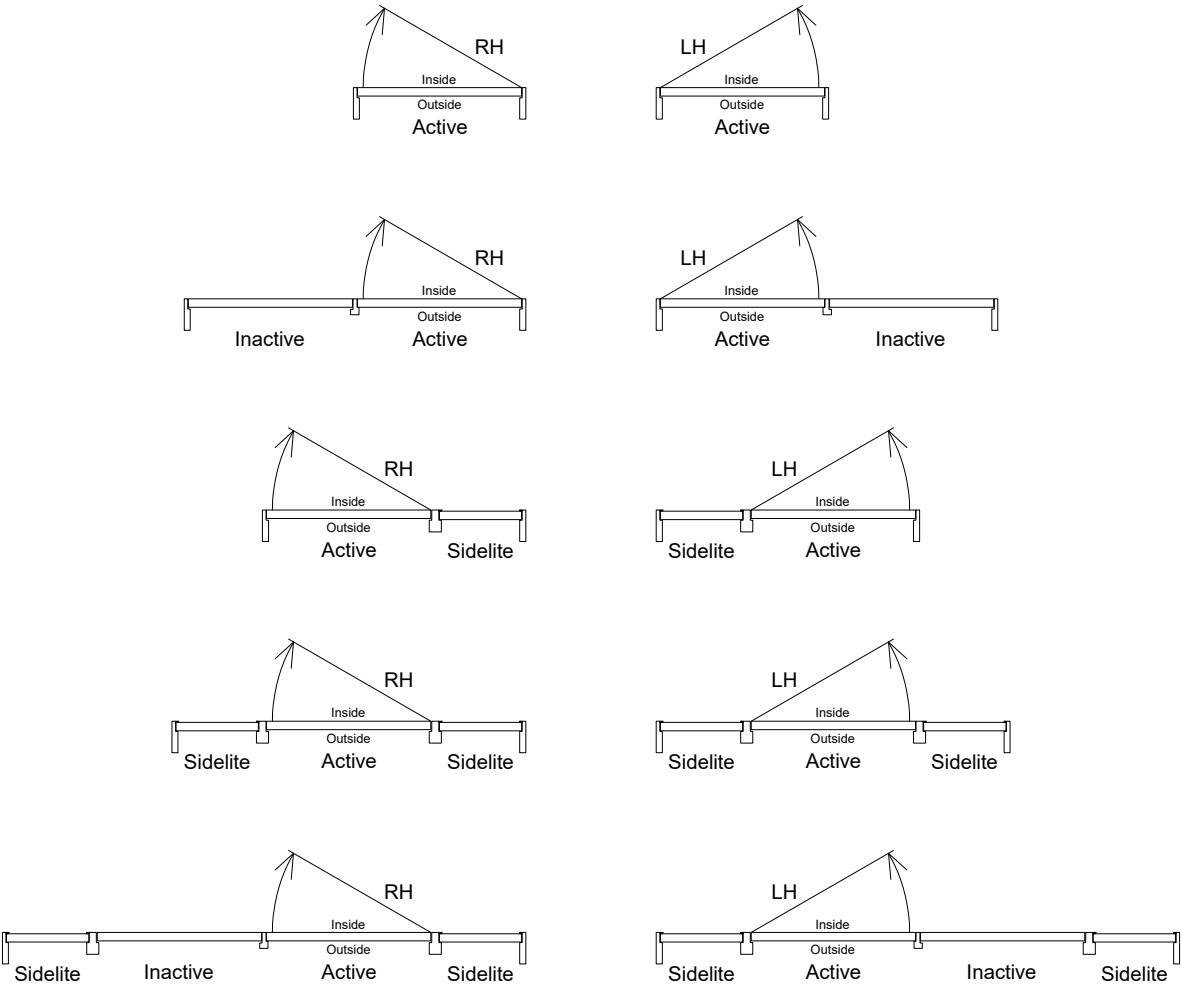
Entry System Codes – Square-Top



Entry System Codes: Arch- and Radius-Top



Handing Configurations



Minimum and Maximum Guidelines

1-¾" Slab – Rectangle

Minimum and Maximum Slab Sizes								
Configuration	Minimum				Maximum			
	Width		Height		Width		Height	
	in	mm	in	mm	in	mm	in	mm
Unit Type								
1 ¾ Door	20	(508)	48	(1219)	36	(914)	96	(2438)
2 ¼ Door	20	(508)	48	(1219)	42	(1067)	120	(3048)
Pre-Hung Door	20	(508)	48	(1219)	42	(1067)	96	(2438)
Transom	20	(508)	10	(254)	96	(2438)	48	(1219)
Sidelite	10	(254)	48	(1219)	48	(1219)	120	(3048)
Sidelite Transom	10	(254)	10	(254)	48	(1219)	48	(1219)
Screen Door	20	(508)	48	(1219)	42	(1067)	120	(3048)
Direct Set Sidelite	4	(102)	48	(1219)	36	(914)	120	(3048)
Direct Set Transom	20	(508)	10	(254)	96	(2438)	48	(1219)
Direct Set Sidelite Transom	4	(102)	48	(1219)	48	(1219)	120	(3048)

*minimum width reflects unequal panel sizes with 18.000" operator panel width

*maximum width for the stationary panel of 124.010" for an 82.000" frame height

Measurement Conversions

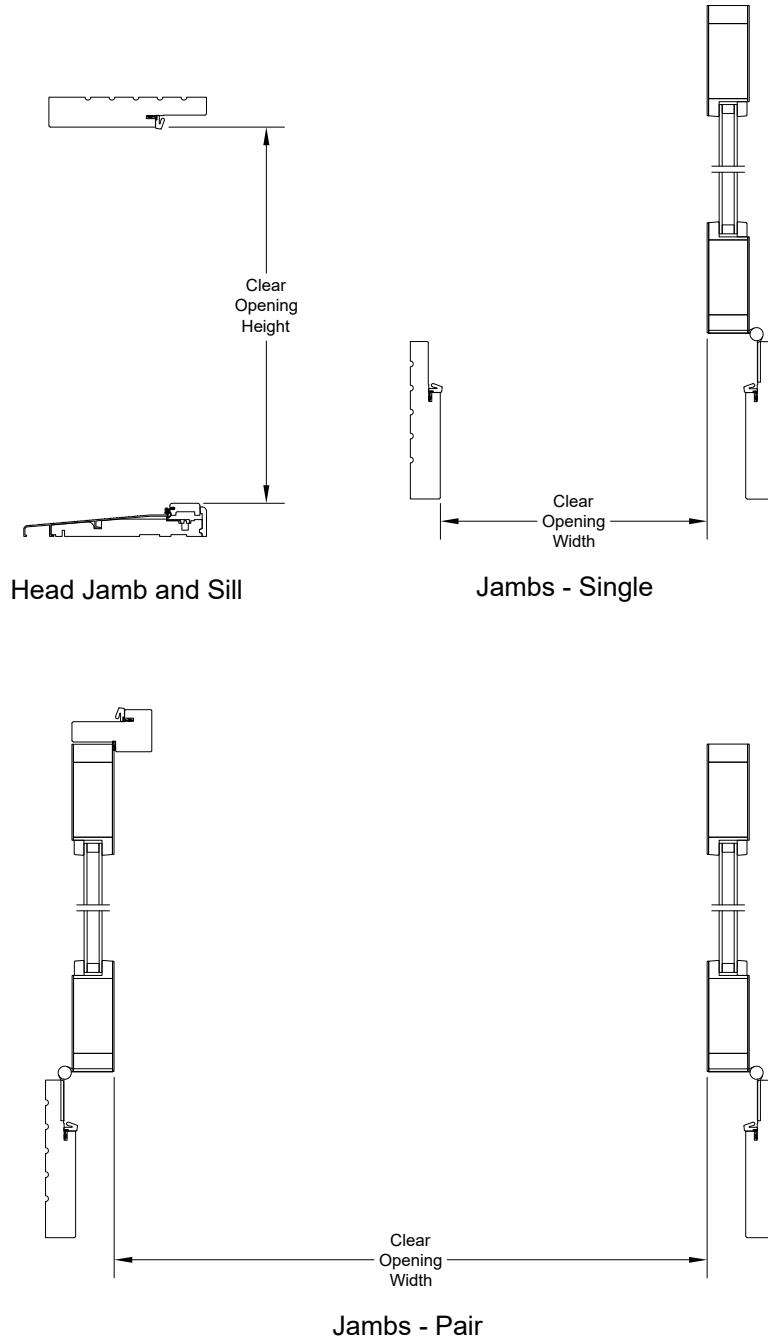
Configuration	Unit Measurements		Width	
	From	To		
All	Rough Opening		in	mm
	Frame OM	Rough Opening	+ 1	(25)
	Masonry Opening	Rough Opening	+ 1/2	(13)

	Unit Measurements		Width	
	From	To		
Single	Slab		in	mm
	Panel Opening 2.25	Net Clear Opening	-3 33/64	(89)
	Panel Opening 1.75	Net Clear Opening	-3 1/64	(77)

	Unit Measurements		Width	
	From	To		
Pair	Slab		in	mm
	Panel Opening 2.25	Net Clear Opening	-5 5/64	(129)
	Panel Opening 1.75	Net Clear Opening	-4 37/64	(116)

Unit Measurements		Height	
From	To		
Rough Opening		in	mm
Frame OM	Rough Opening	+ 1/2	(13)
Masonry Opening	Rough Opening	+ 1/4	(06)
Net Clear Opening		in	mm
Frame OM Oak Adjustable	NCO	-2 5/8	(67)
Frame OM Wood	NCO	-2 5/8	(67)
Frame OM Hydrosill	NCO	-2 7/8	(73)
Frame OM ADA	NCO	-1 3/4	(44)
Frame OM Interlock	NCO	-3 11/32	(85)

Net Clear Opening



Egress Code

International Building Code - 2012, 2015, and 2018

Section 1029 in 2012 code, Section 1030 in 2015 and 2018 code - Emergency Escape and Rescue Openings

Minimum Size: Emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet (.053 m²).

Exception: The minimum net clear opening for grade-floor emergency escape and rescue openings shall be 5.0 square feet (0.46m²).

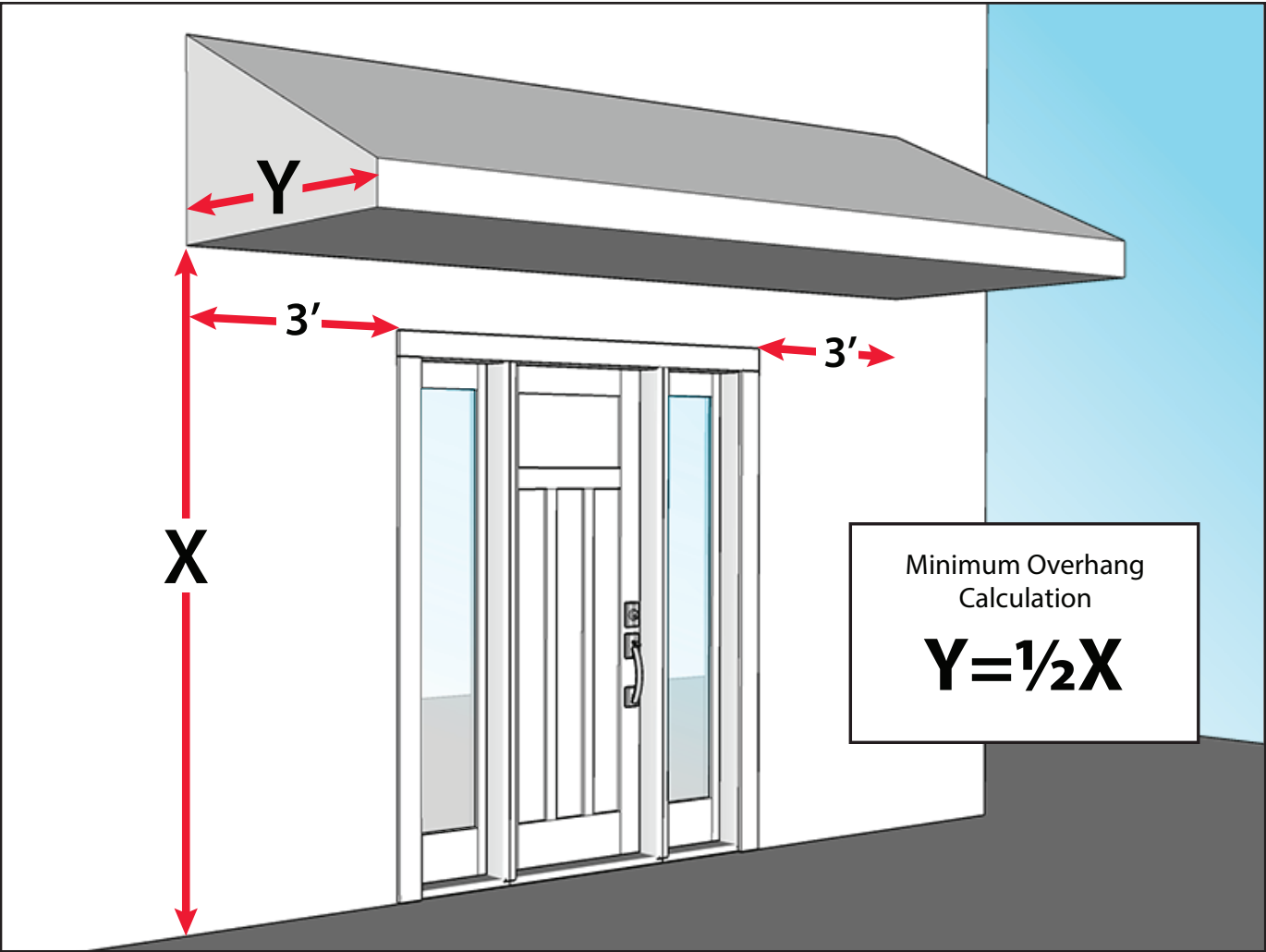
Minimum Dimensions: The minimum net clear opening height dimension shall be 24 inches (610). The minimum net clear opening width dimension shall be 20 inches (508). The net clear opening dimensions shall be the result of normal operation of the opening.

Maximum Height from Floor: Emergency escape and rescue openings shall have the bottom of the clear opening not greater than 44 inches (118) measured from the floor.

Operational Constraints: Emergency escape and rescue openings shall be operational from the inside of the room without the use of keys or tools. The 2018 code added the following sentence - window-opening control devices complying with ASTM F2090 shall be permitted for use on windows serving as a required emergency escape and rescue opening.

Code restrictions may vary depending on your local building code.

Overhang Requirement for Warranty Coverage



Section Details – Frame Options

Frame



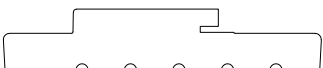
Square Edge Frame - Single Rabbeted



Square Edge Frame - Double Rabbeted

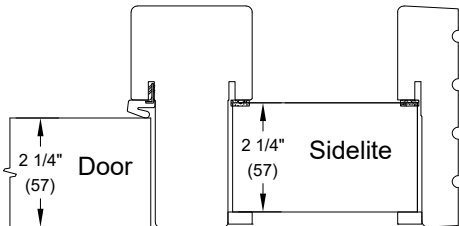
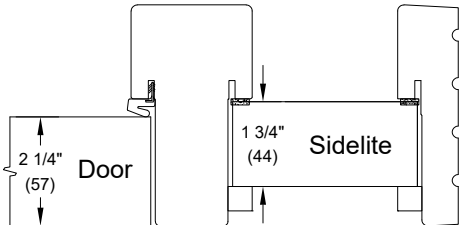
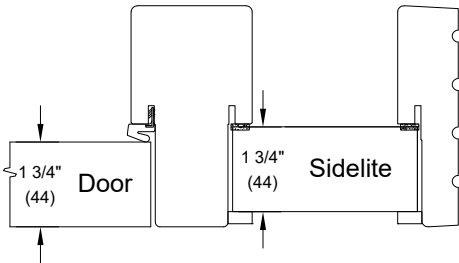


Radius Edge Frame - Single Rabbeted



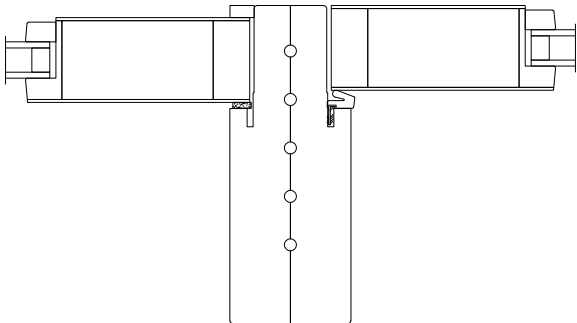
Radius Edge Frame - Double Rabbeted

Uni-Frame Mull Post

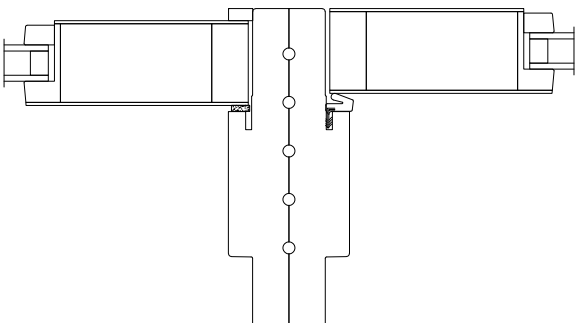


Back to Back Mull Post

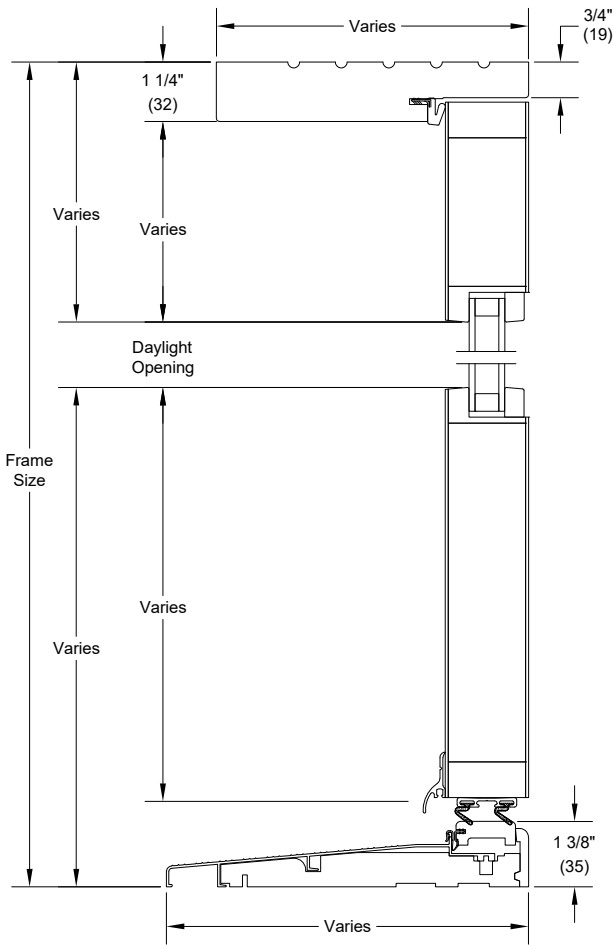
Single Rabbet



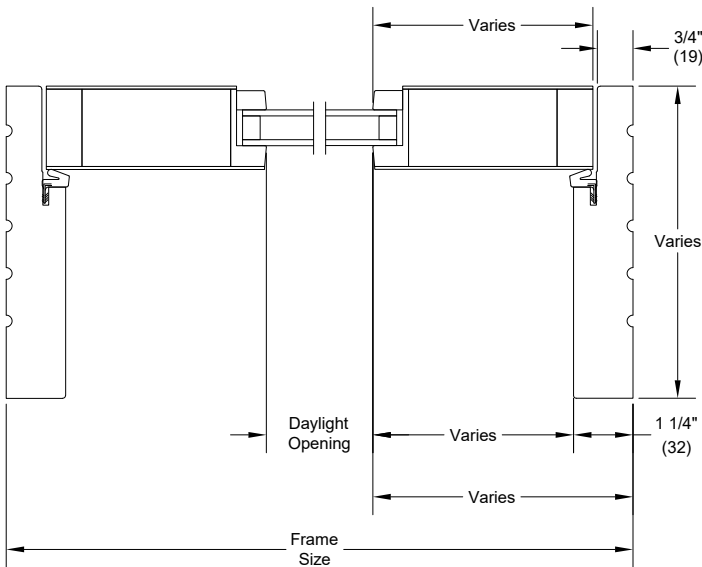
Double Rabbet



Section Details – Operating – Single 1-3/4" Door

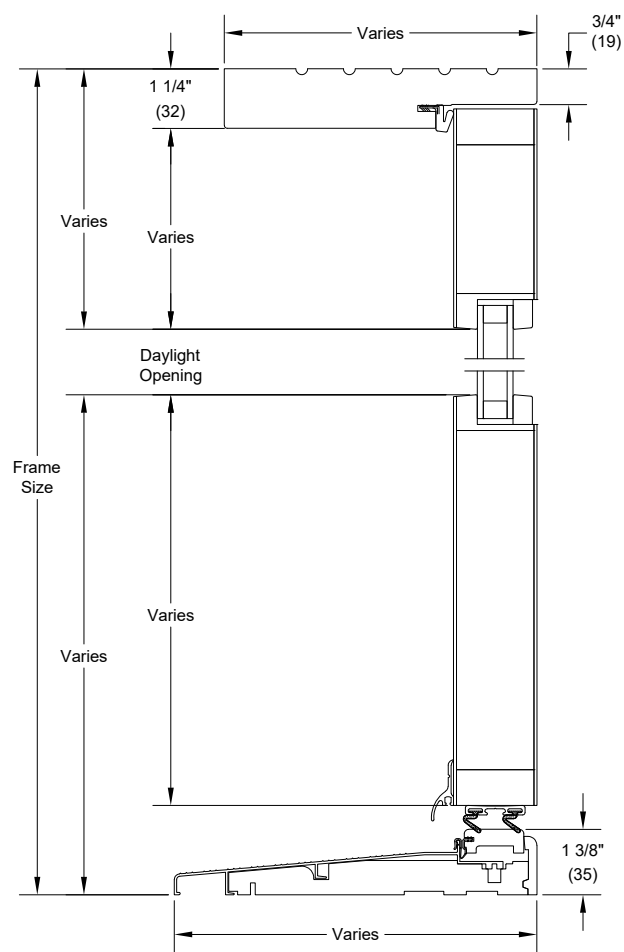


Head Jamb and Sill

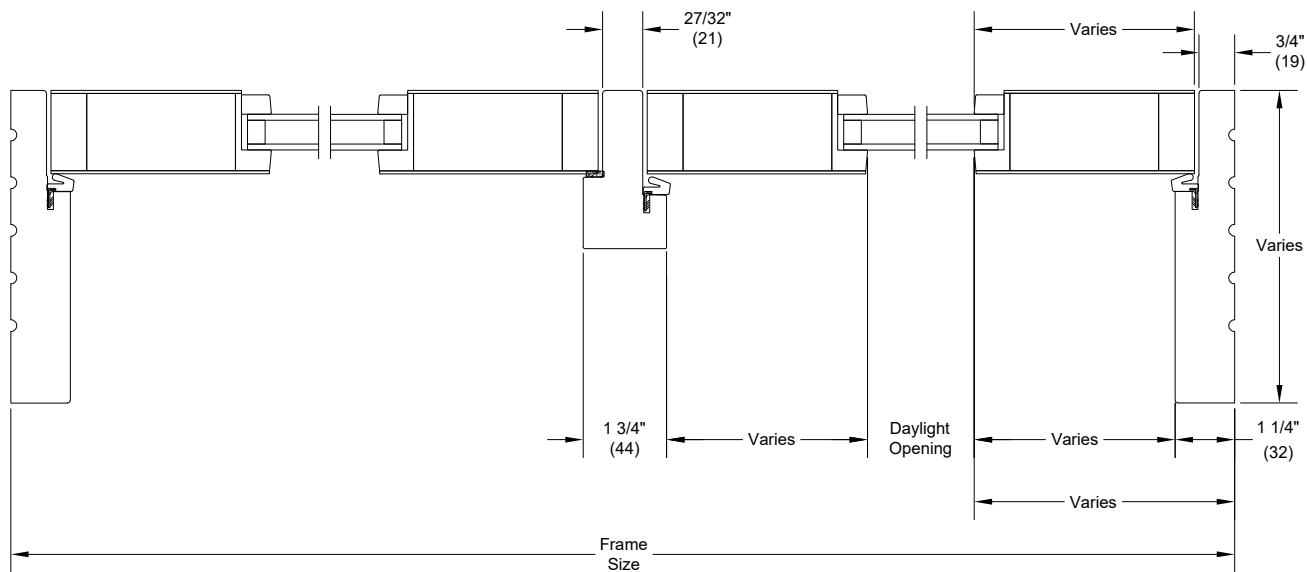


Jambs - Single

Section Details – Operating – Pair 1-3/4" Door

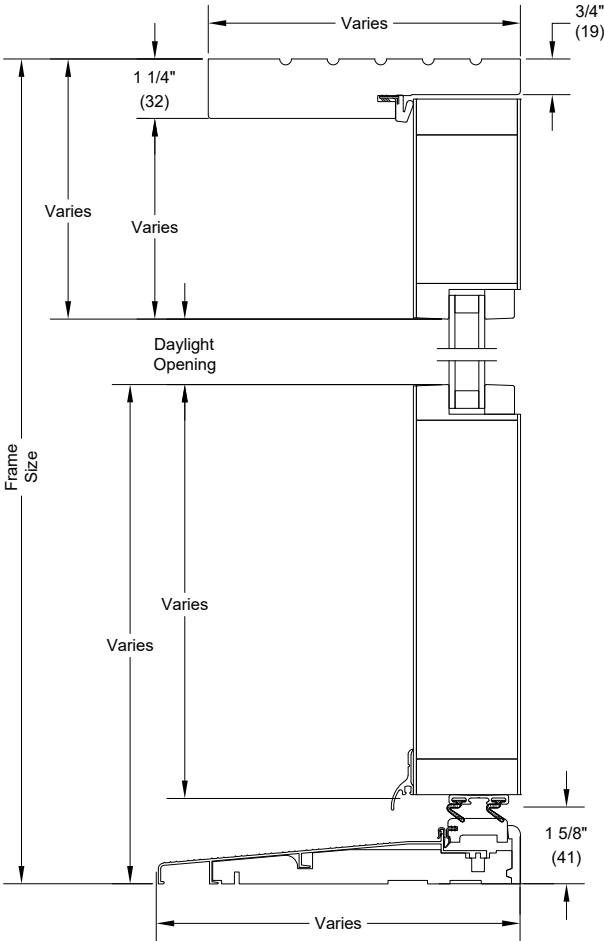


Head Jamb and Sill

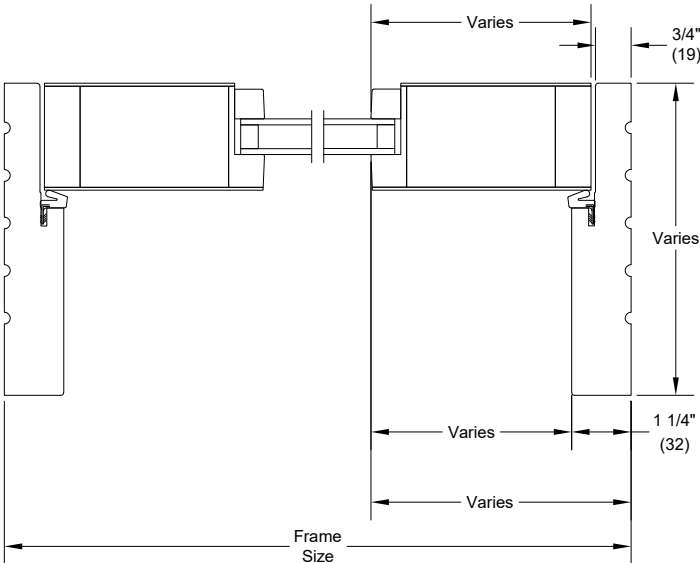


Jambs - Pair

Section Details – Operating – Single 2-1/4" Door

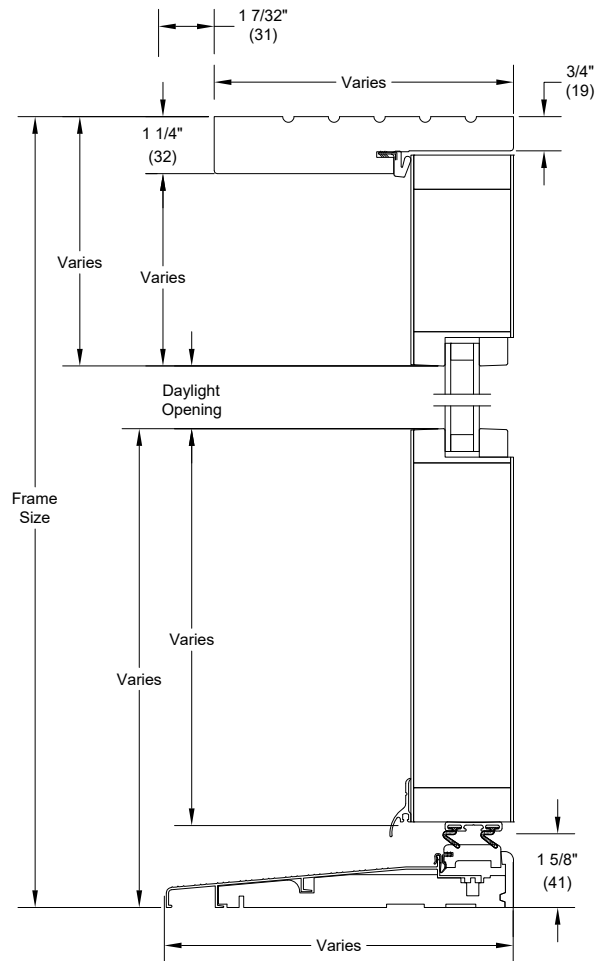


Head Jamb and Sill

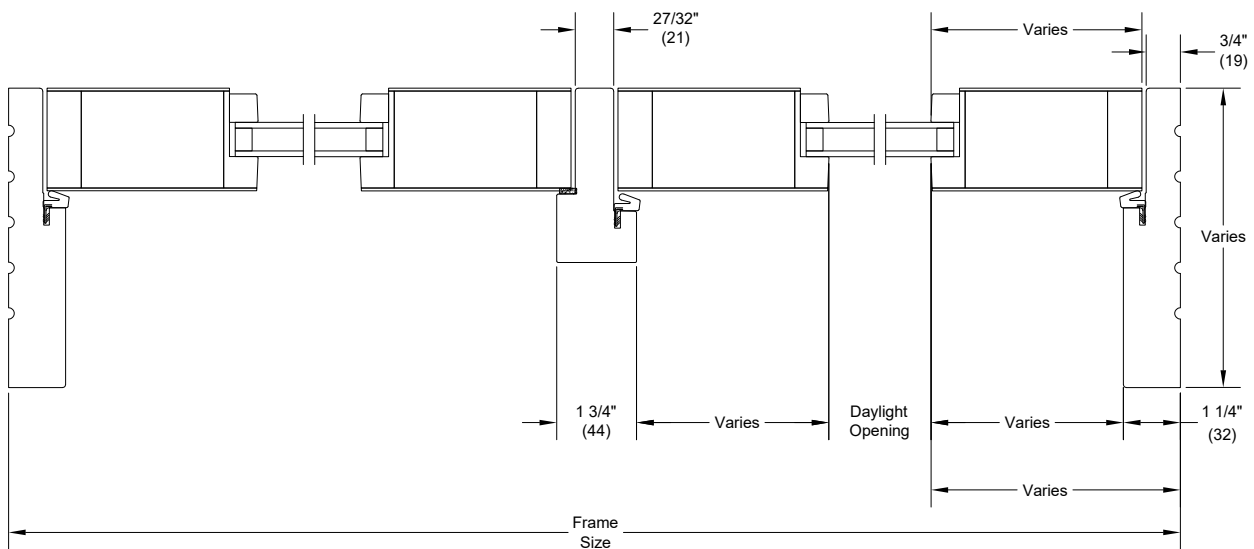


Jambs - Single

Section Details – Operating – Pair 2-1/4" Door

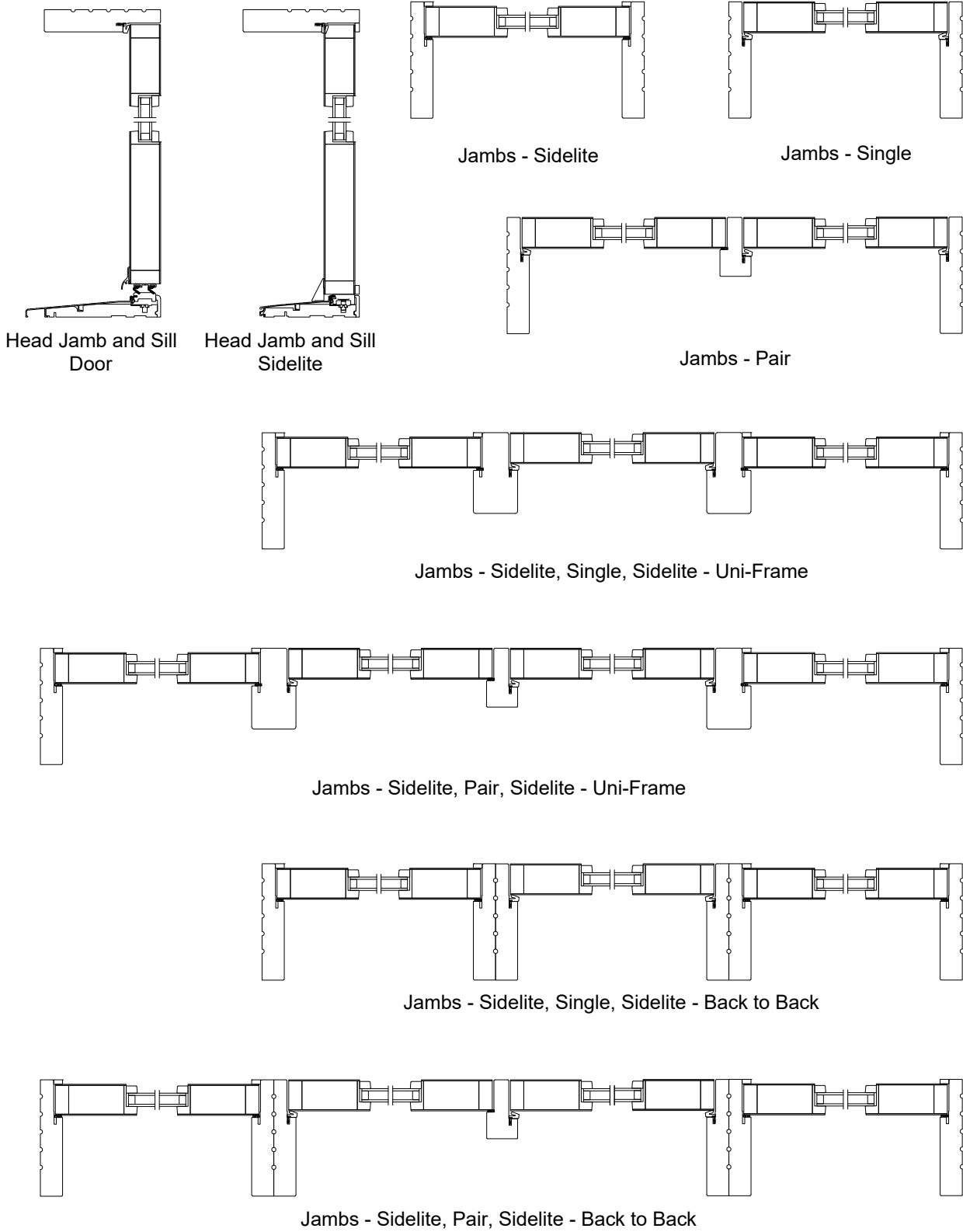


Head Jamb and Sill

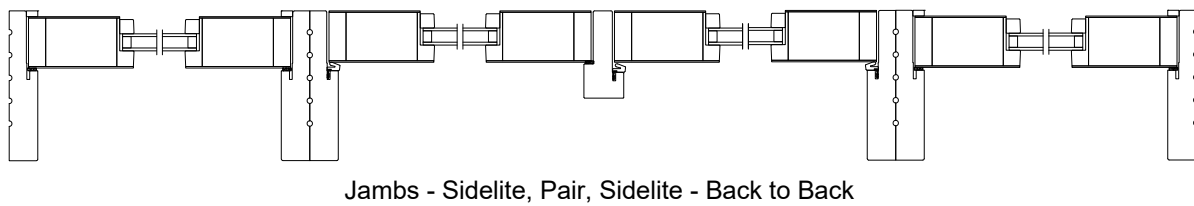
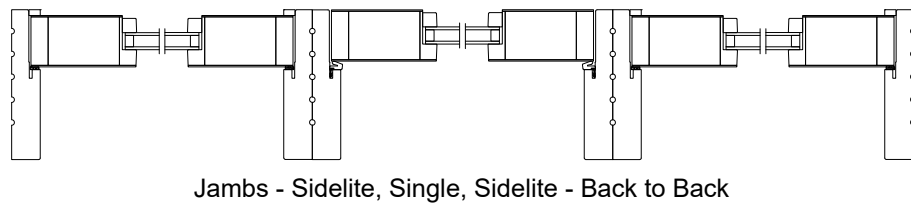
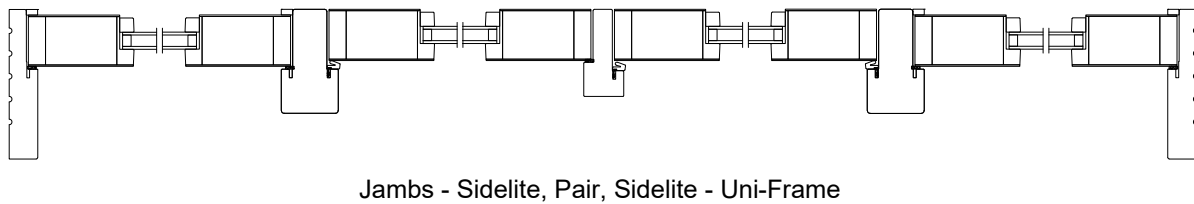
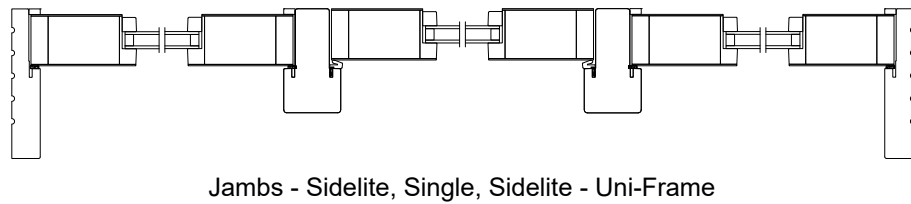
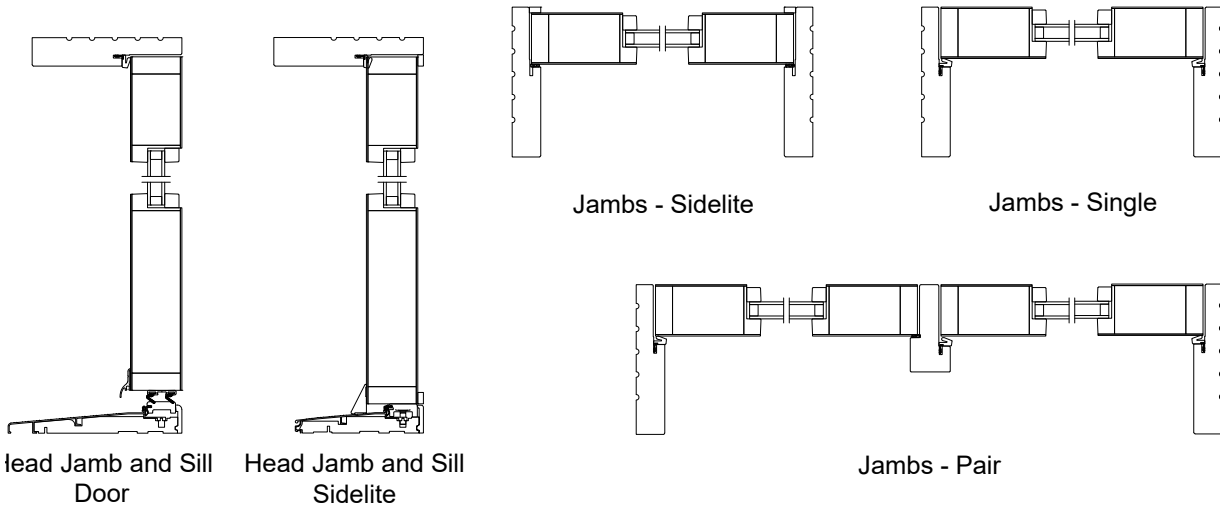


Jambs - Pair

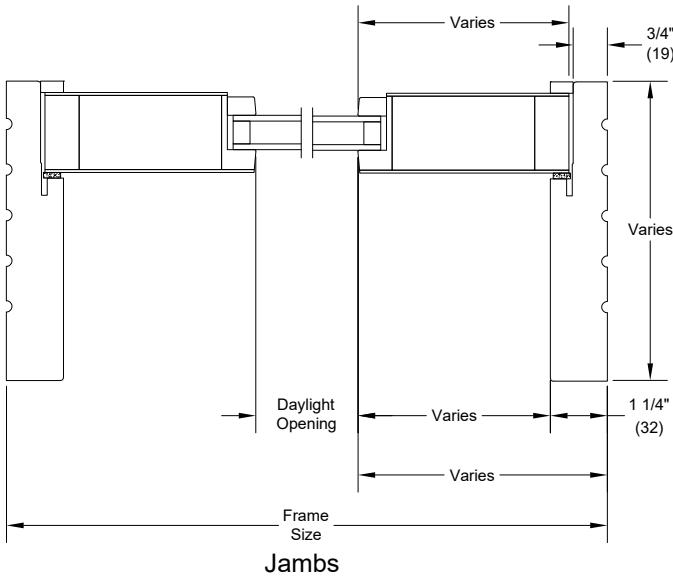
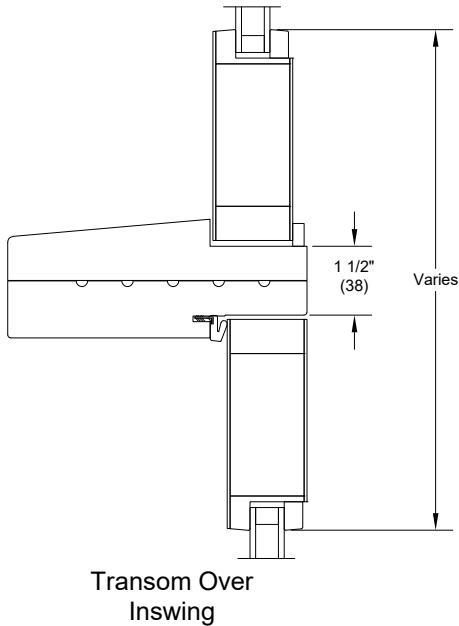
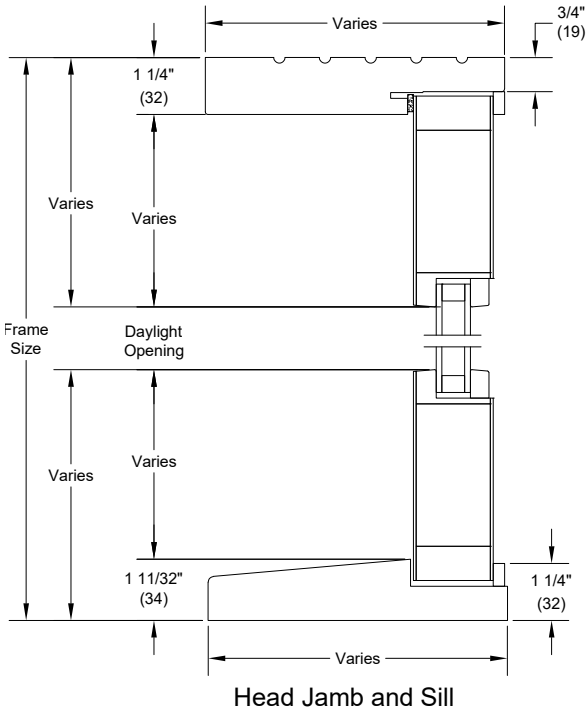
Section Details – Single, Pair, Sidelite – 1-3/4" Door



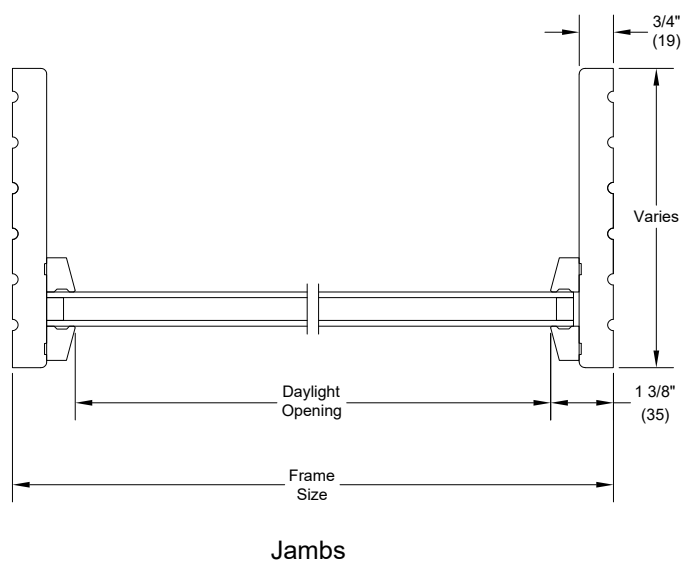
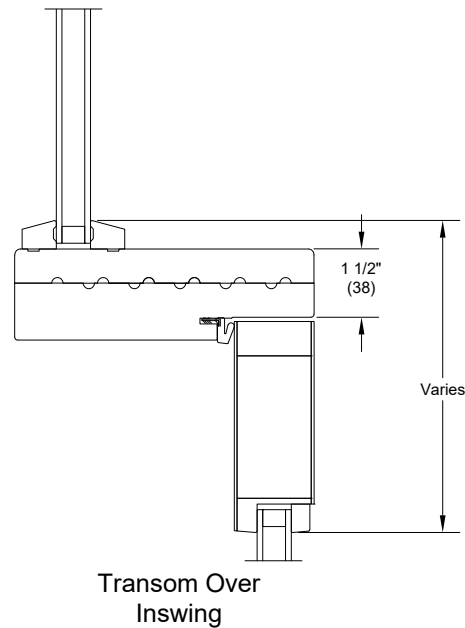
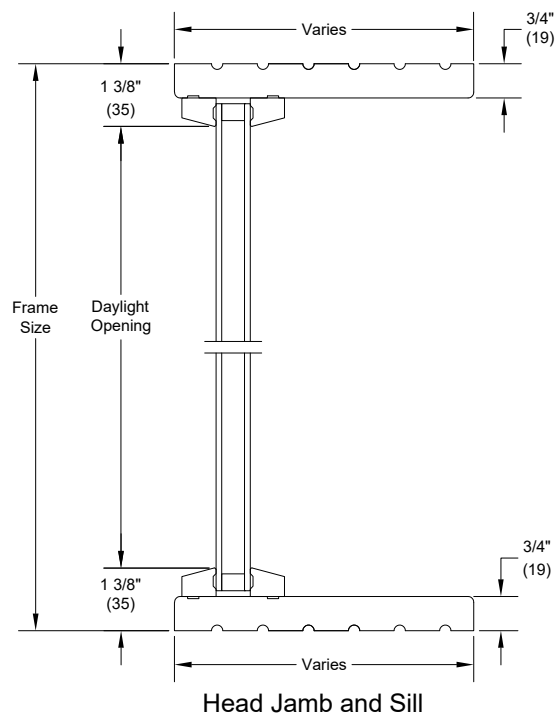
Section Details – Single, Pair, Sidelite – 2-¼" Door



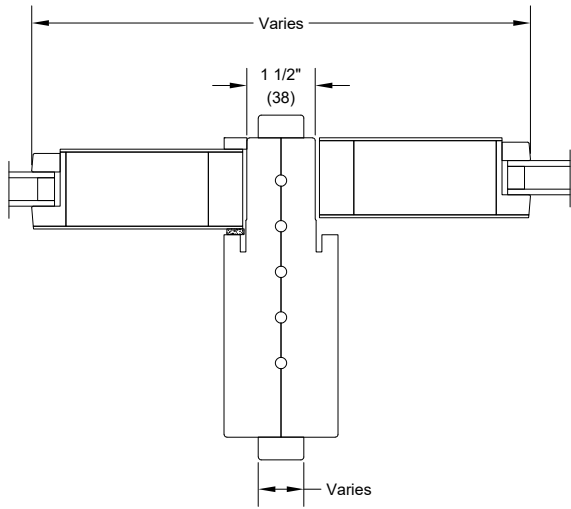
Section Details – In-Sash Transom



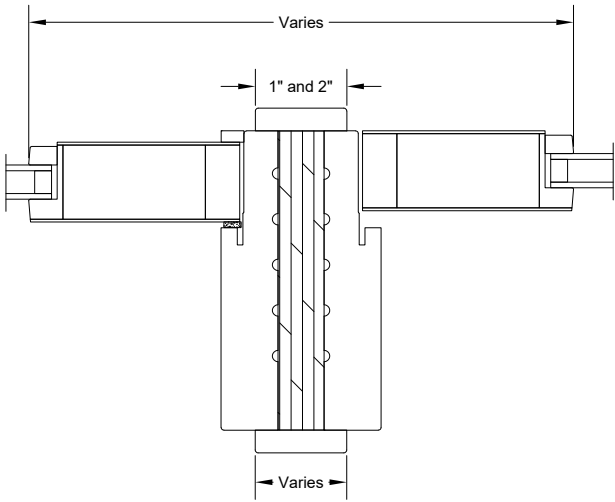
Section Details – Direct Set Transom



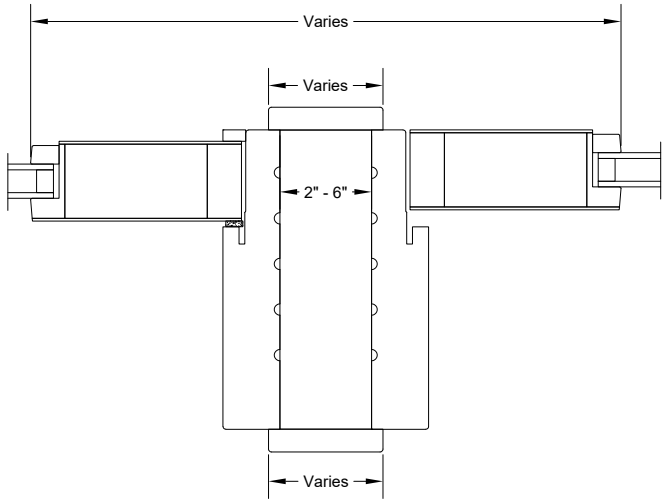
Section Details – Vertical Mulling Options



Direct Mull

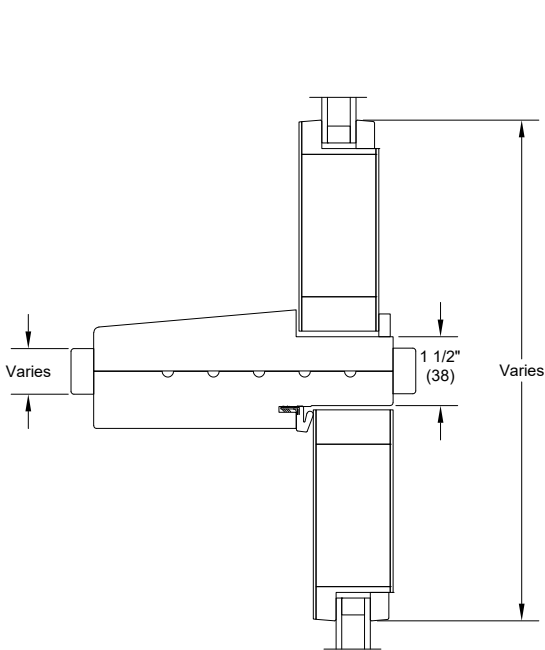


Reinforced Mull
1" LVL Option and 2" LVL Option

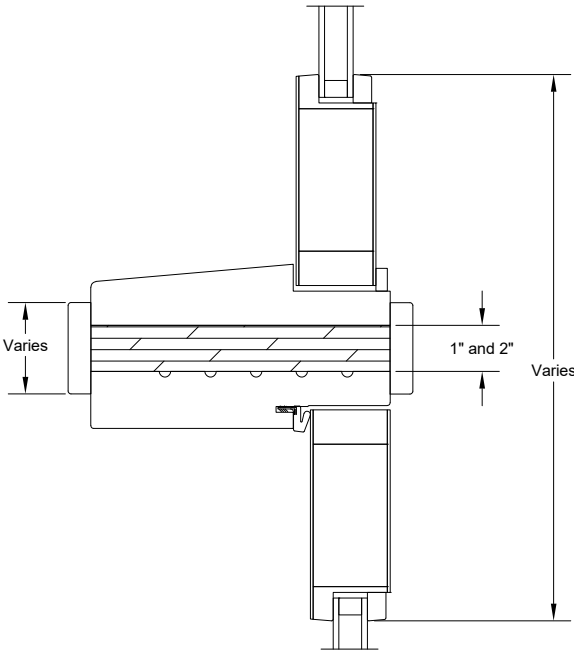


Spread Mull
2" - 6"

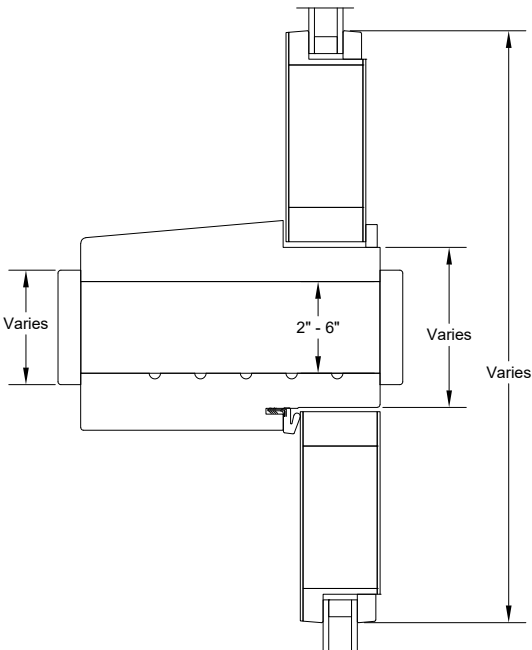
Section Details – Horizontal Mulling Options



Direct Mull

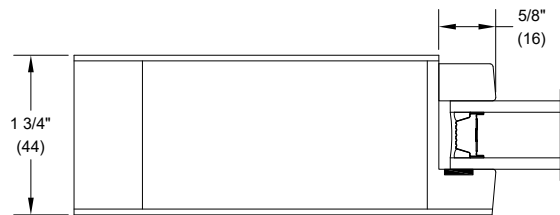


Reinforced Mull
1" LVL Option and 2" LVL Option

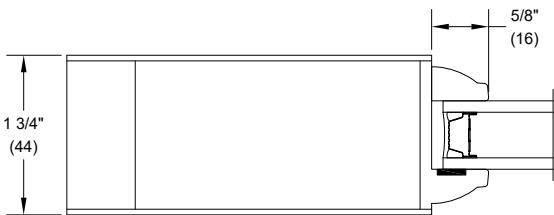


2" LVL Option

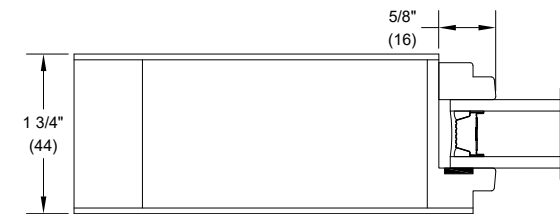
Sticking Options – 1-3/4" Door



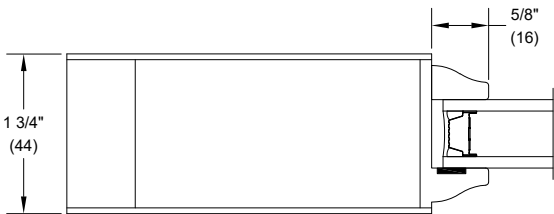
Square Stick (SS) Sticking



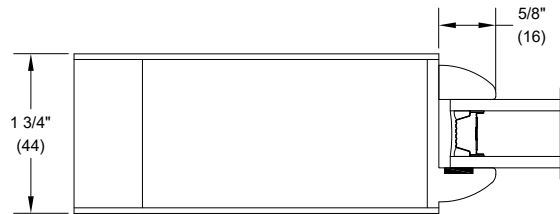
Quarter Bead (QB) Sticking



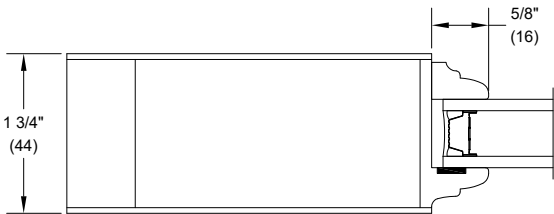
One Step (OS) Sticking



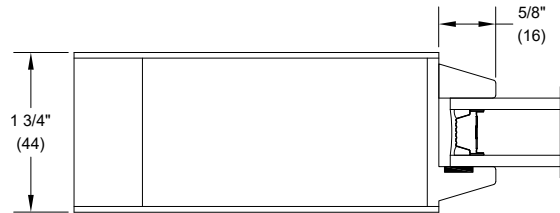
Roman Ogee (OG) Sticking



Quarter Round (QR) Sticking

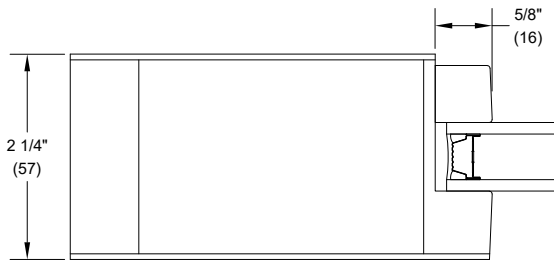


Cove and Bead (CB) Sticking

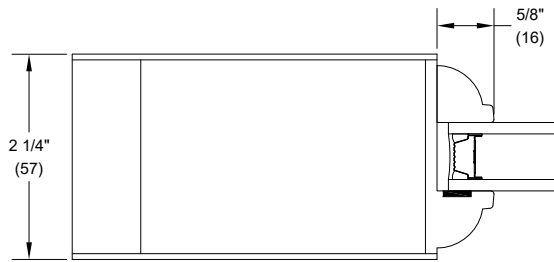


Bevel (BV) Sticking

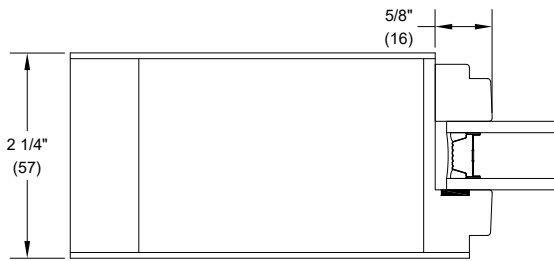
Sticking Options – 2-1/4" Door



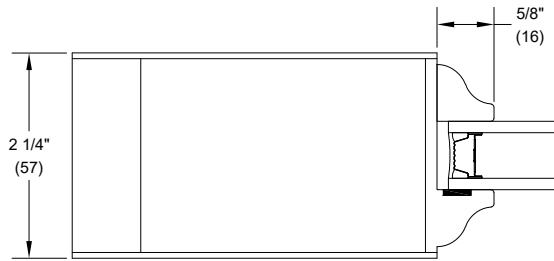
Square Stick (SS) Sticking



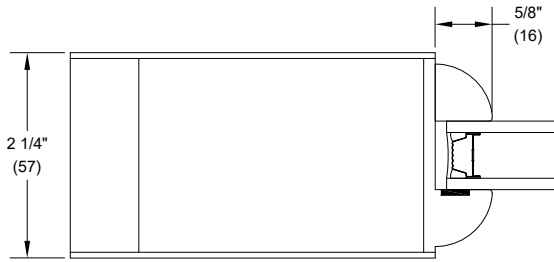
Quarter Bead (QB) Sticking



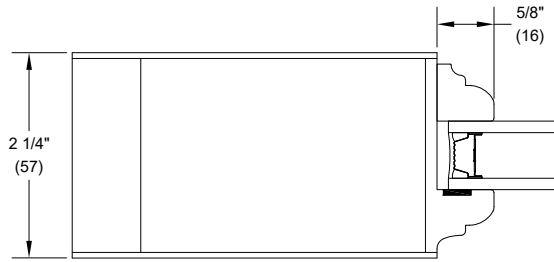
One Step (OS) Sticking



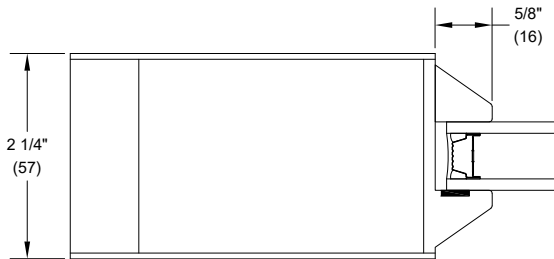
Roman Ogee (OG) Sticking



Quarter Round (QR) Sticking

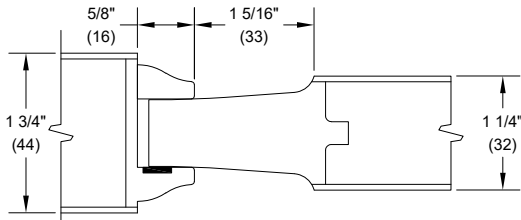


Cove and Bead (CB) Sticking

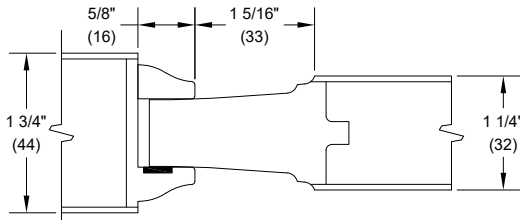


Bevel (BV) Sticking

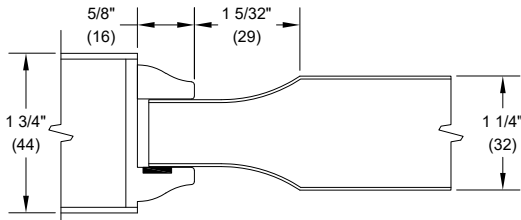
Panel Options – 1-3/4" Door



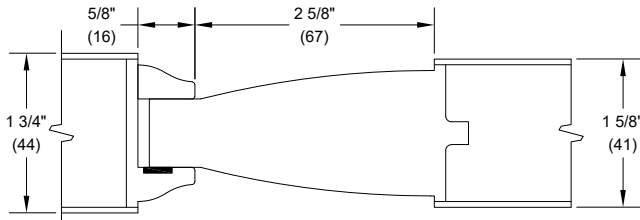
A - Raised



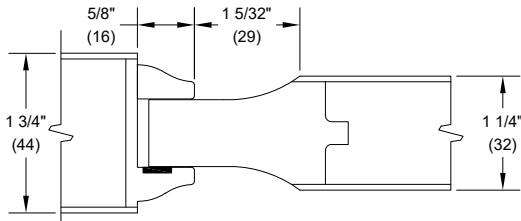
D - Double Hip



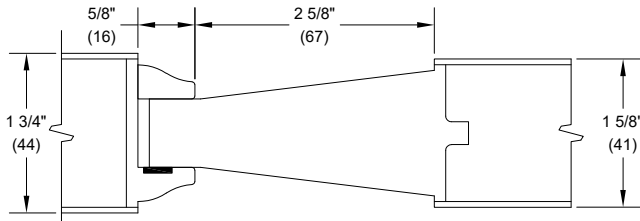
B- Scoop Bladder Pressed



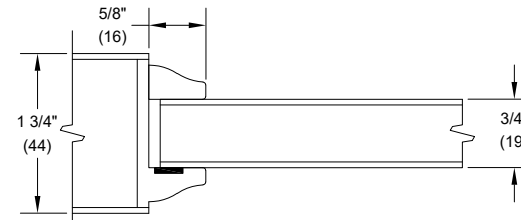
E - Senior Raised



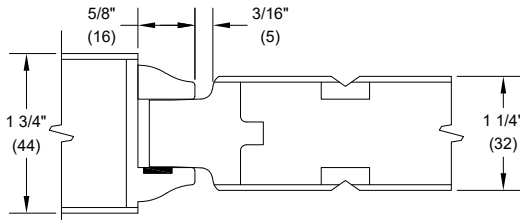
B- Scoop Rim Raised



F - Senior Bevel

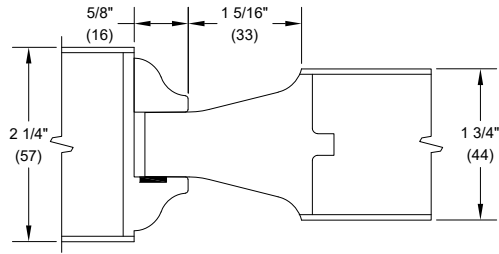


C - Flat

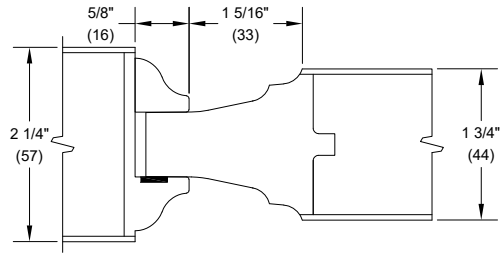


VG - V Groove

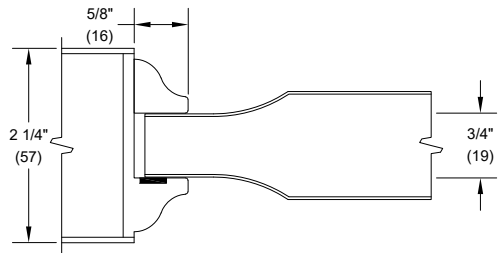
Panel Options – 2-1/4" Door



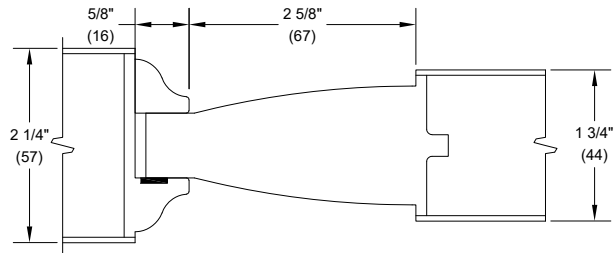
A - Raised



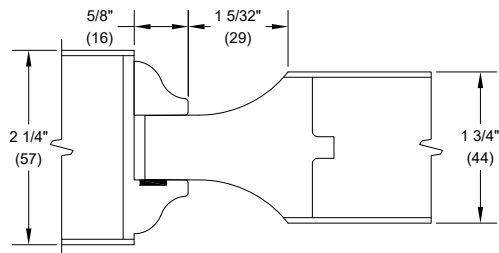
D - Double Hip



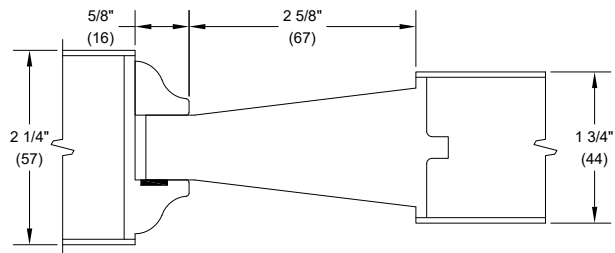
B- Scoop Bladder Pressed



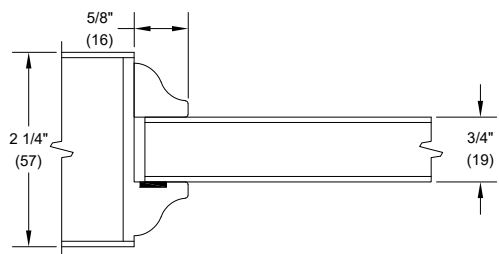
E - Senior Raised



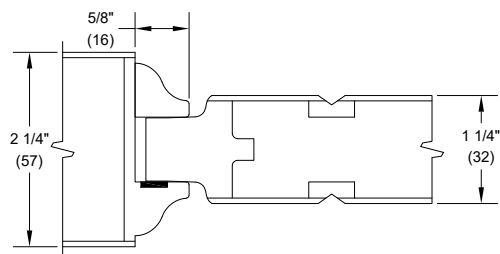
B- Scoop Rim Raised



F - Senior Bevel



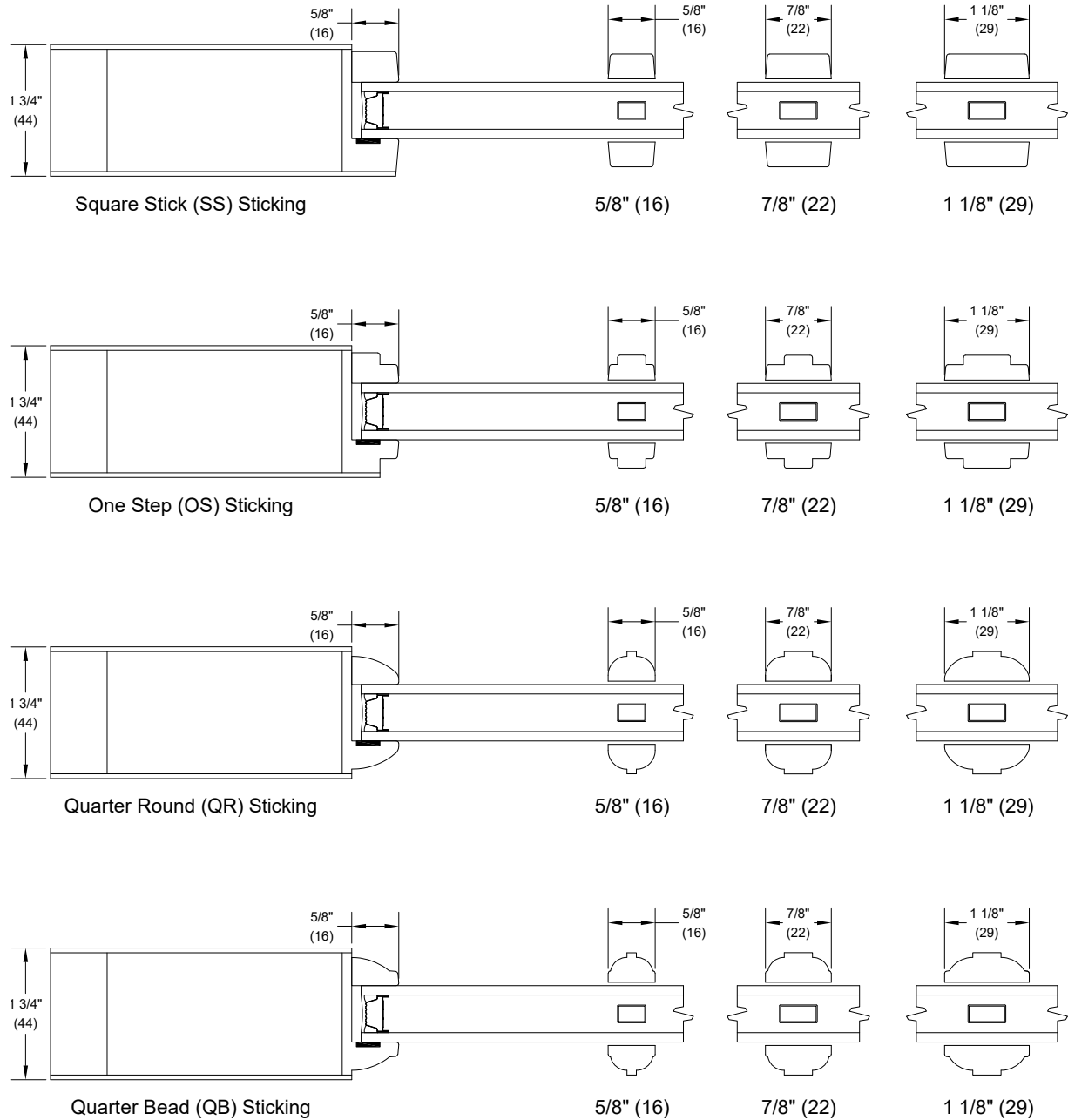
C - Flat



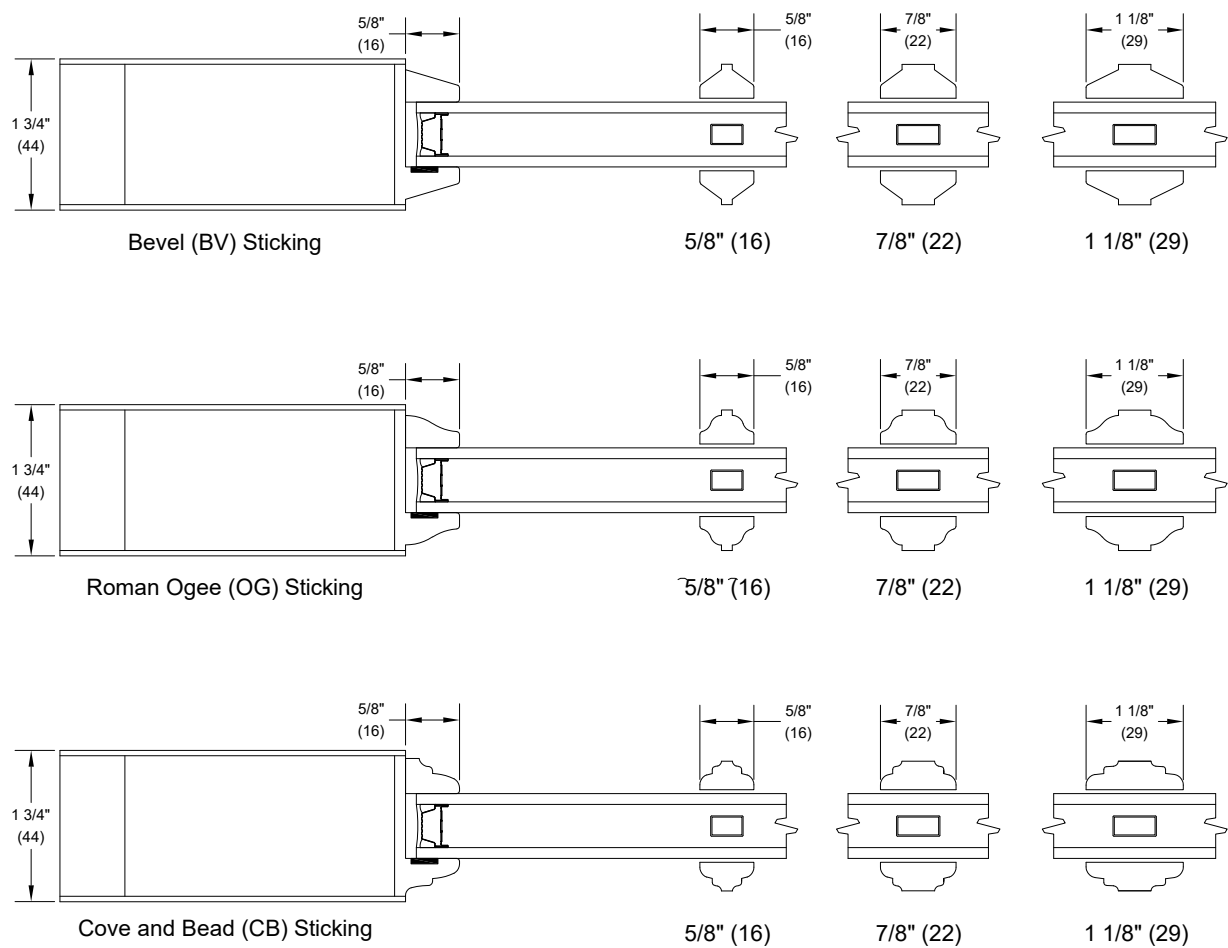
VG - V Groove

Note: All shown with Roman Ogee (OG) sticking

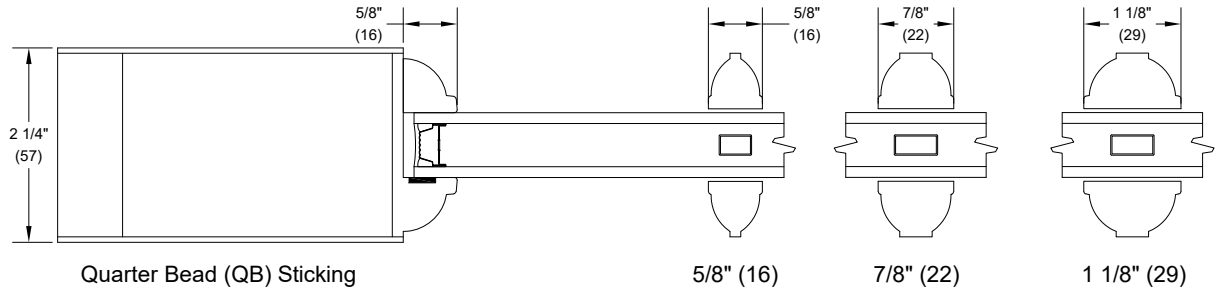
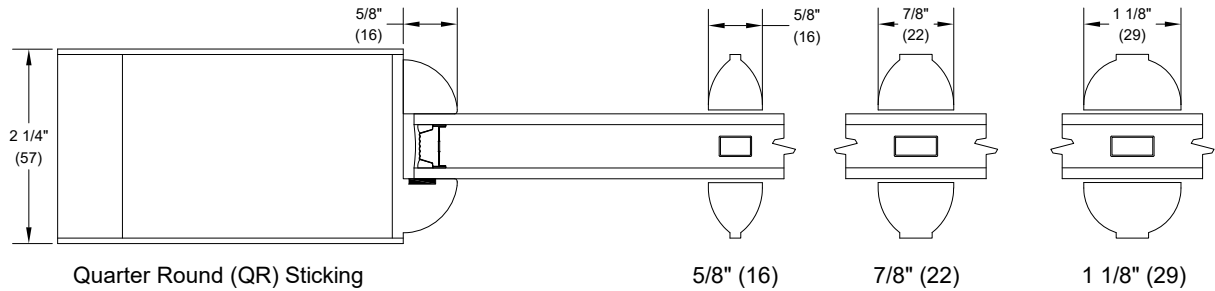
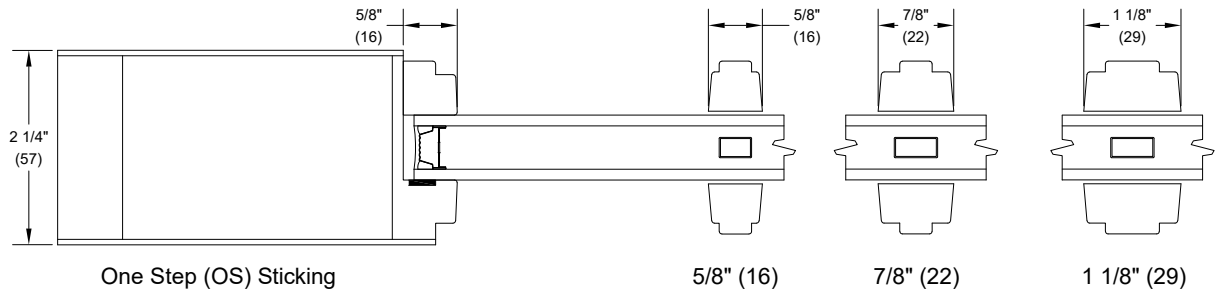
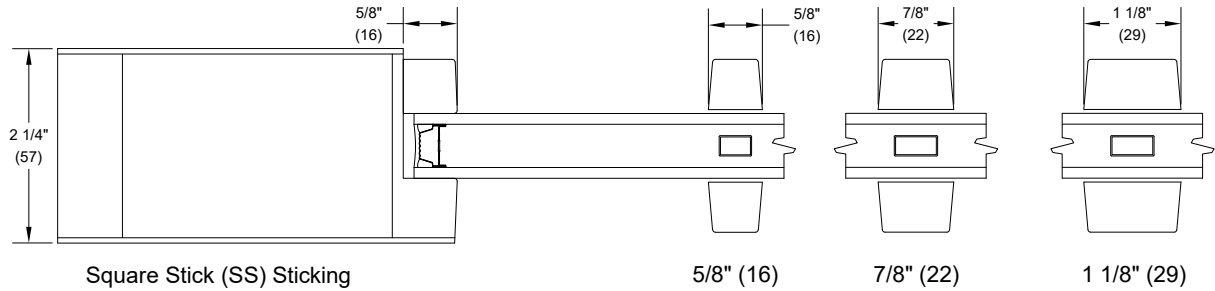
Simulated Divided Lites (SDL) Options – 1-3/4" Door



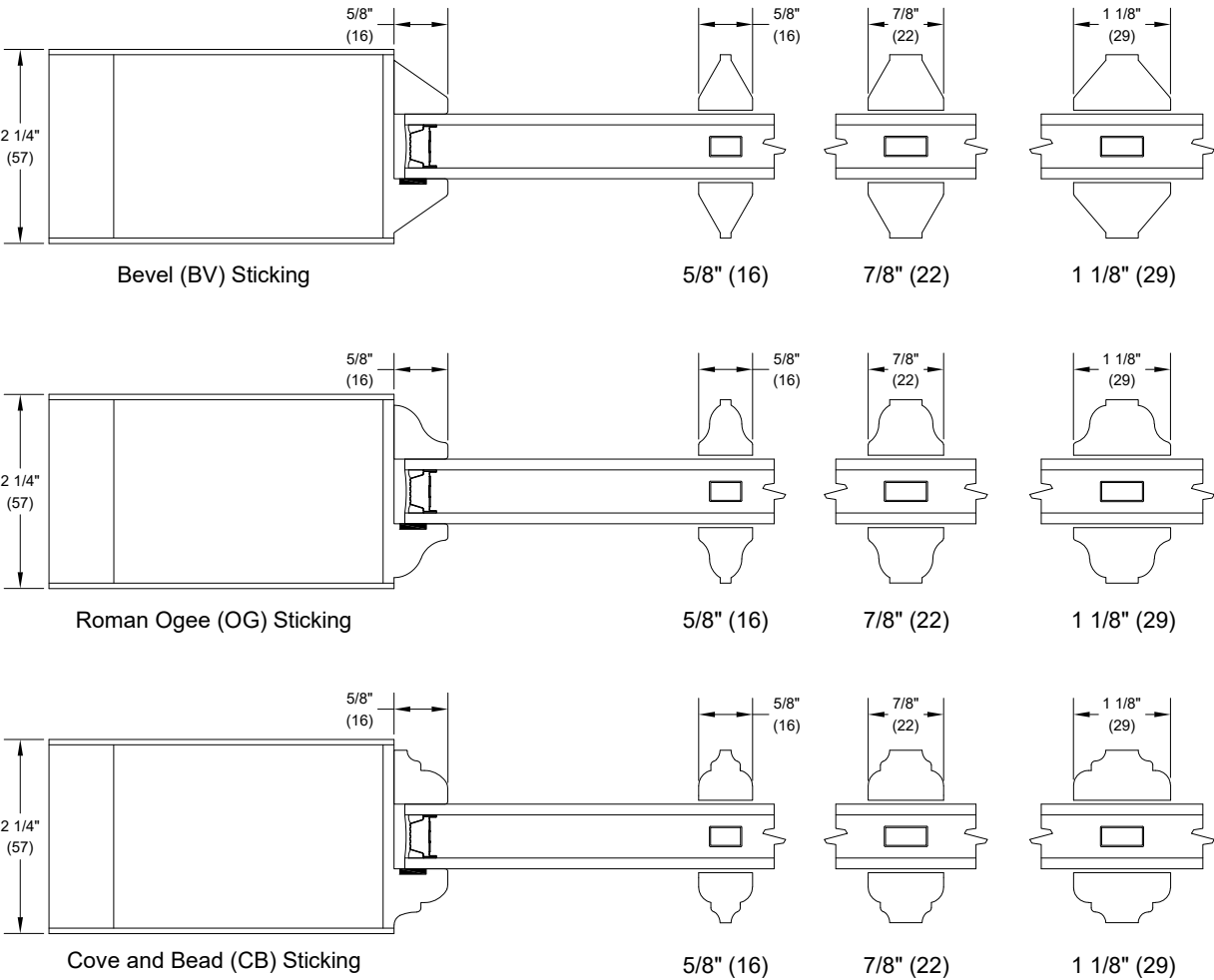
Simulated Divided Lites (SDL) Options – 1-3/4" Door



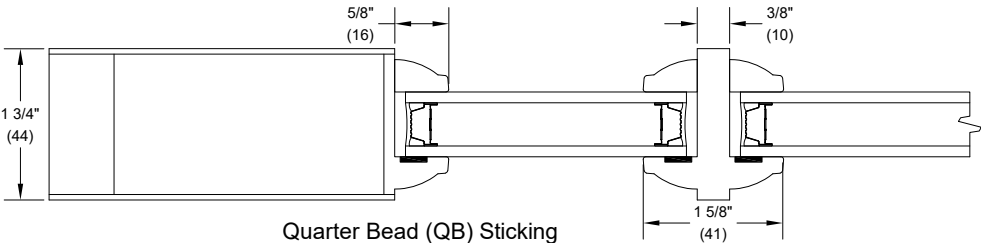
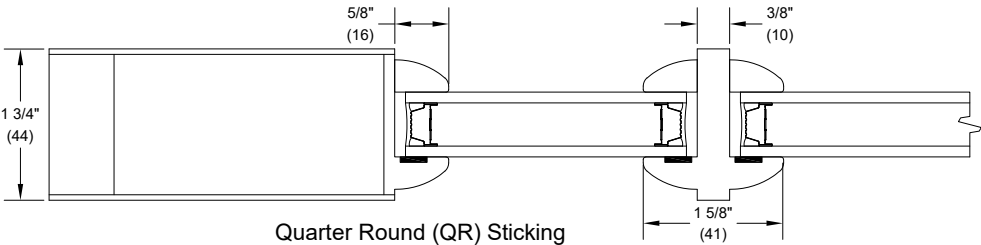
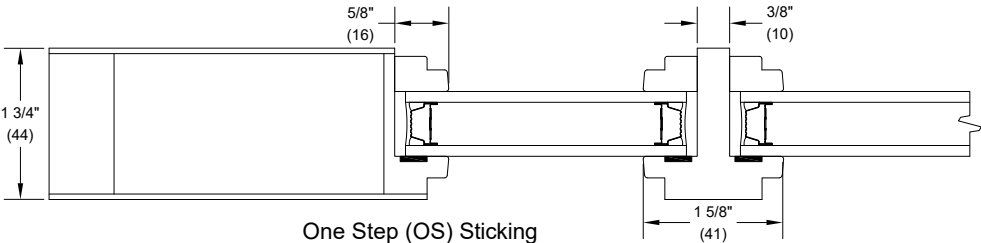
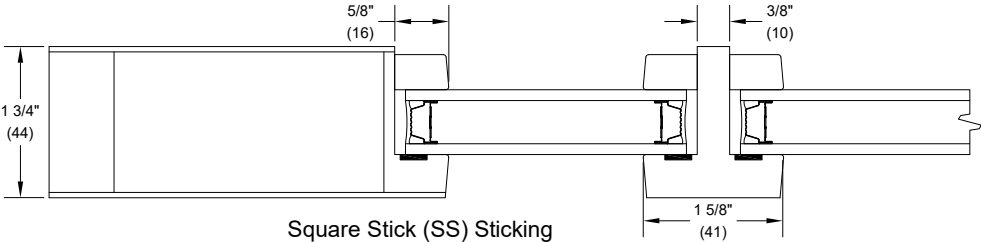
Simulated Divided Lites (SDL) Options – 2-1/4" Door



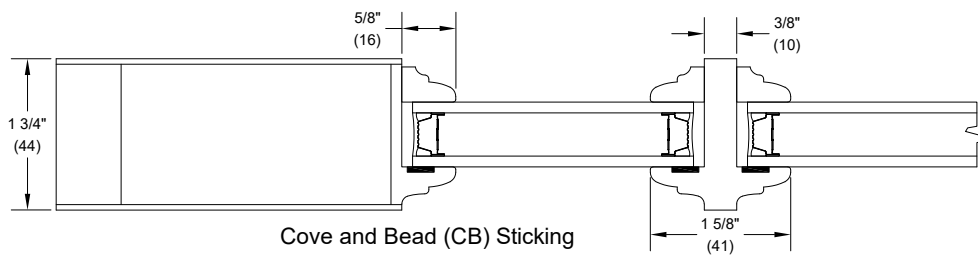
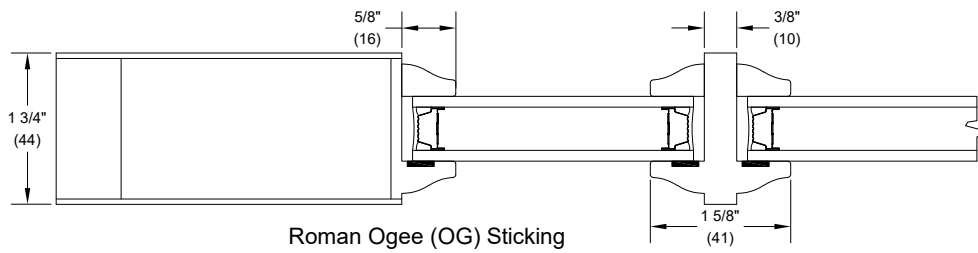
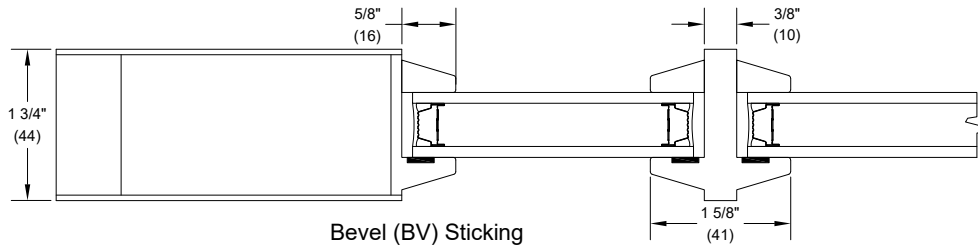
Simulated Divided Lites (SDL) Options – 2-1/4" Door



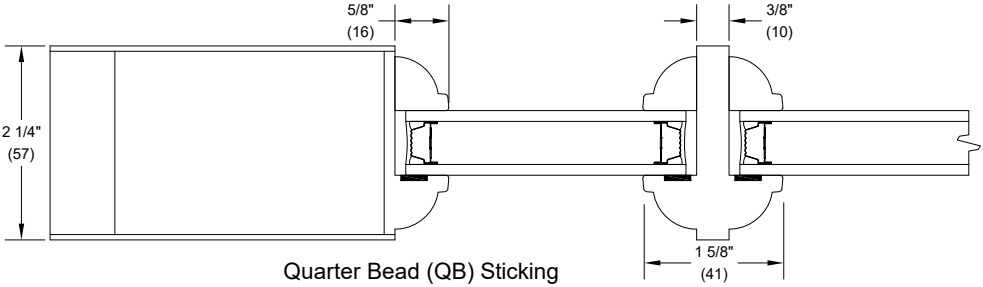
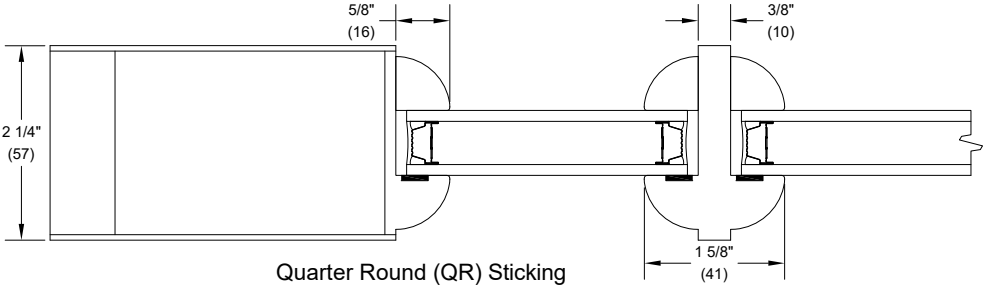
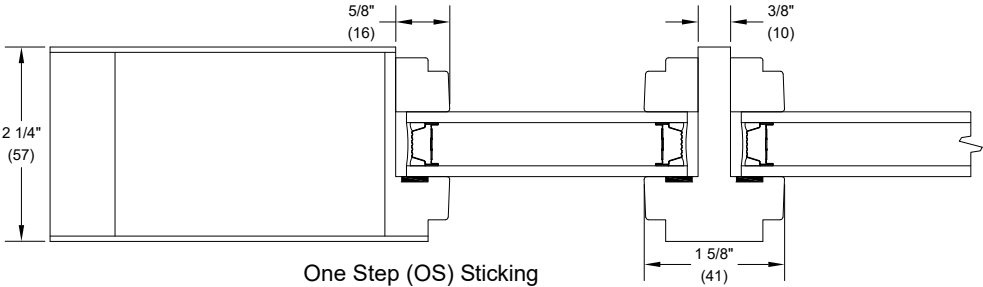
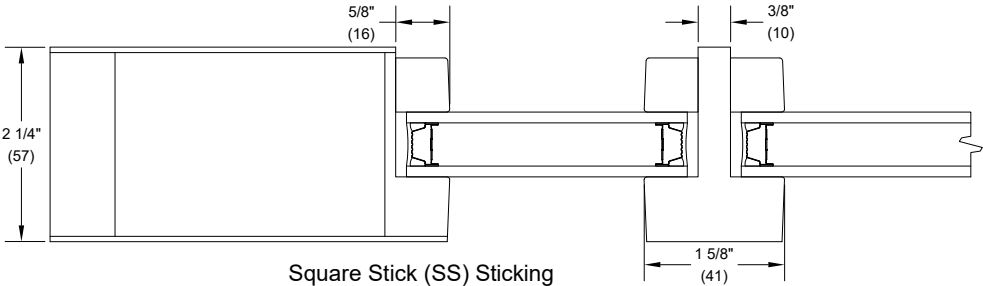
True Divided Lites (TDL) Options – 1-3/4" Door



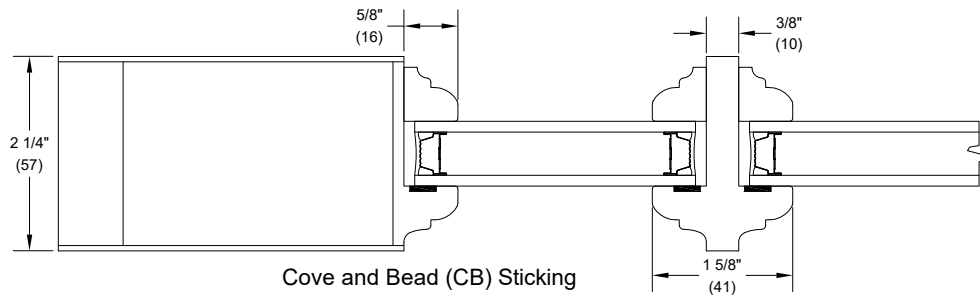
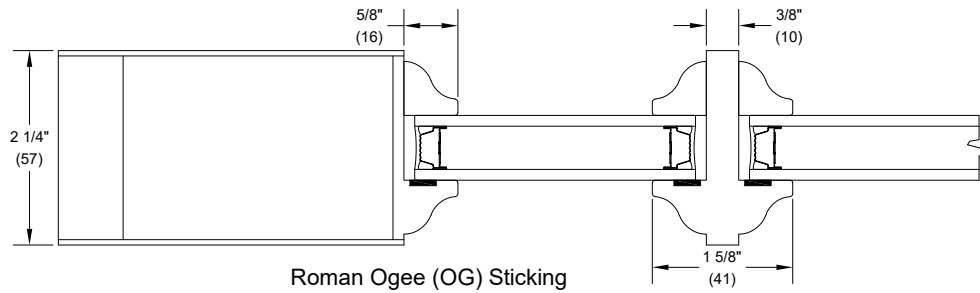
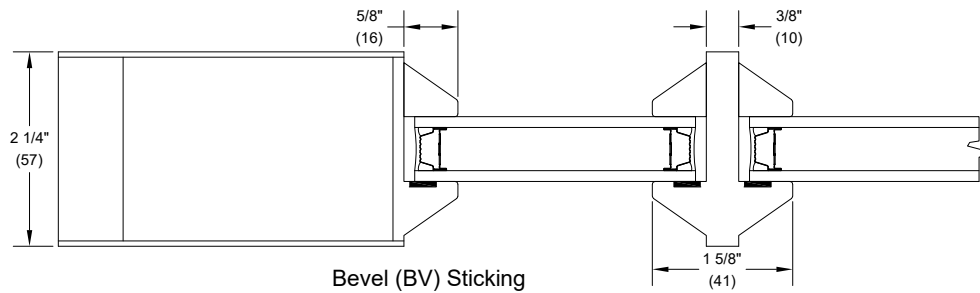
True Divided Lites (TDL) Options – 1-³/₄" Door



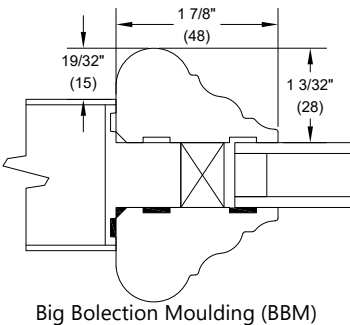
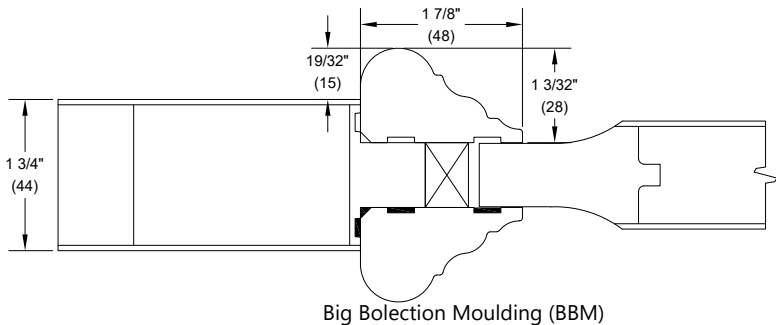
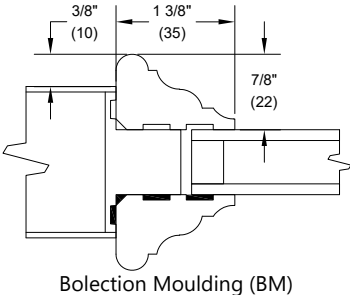
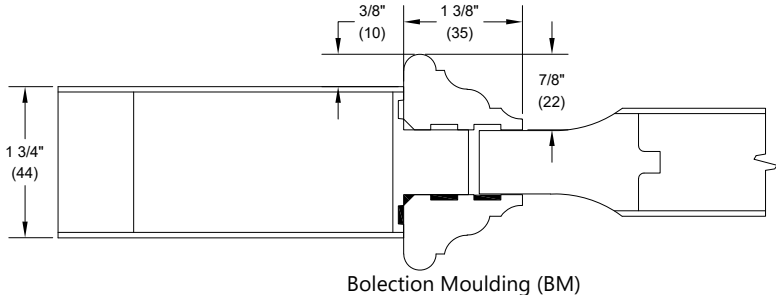
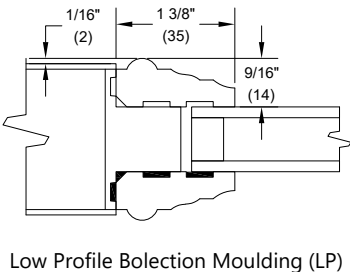
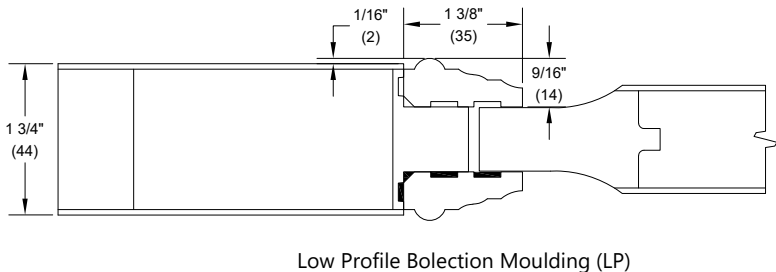
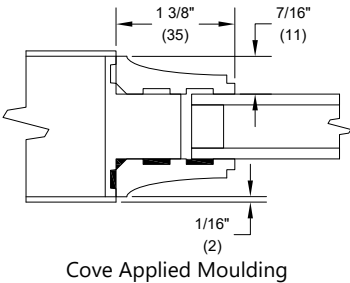
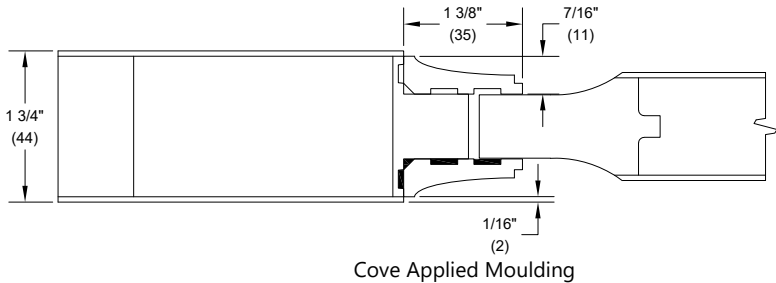
True Divided Lites (TDL) Options – 2-1/4" Door



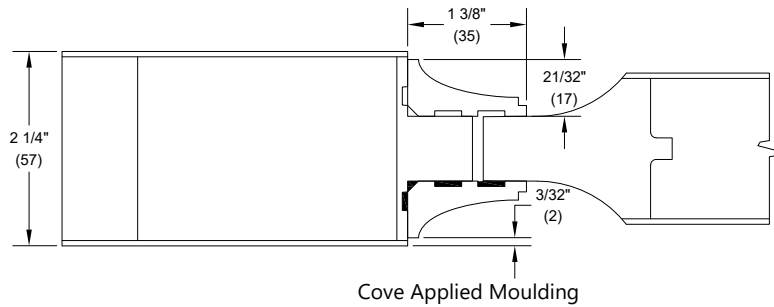
True Divided Lites (TDL) Options – 2-1/4" Door



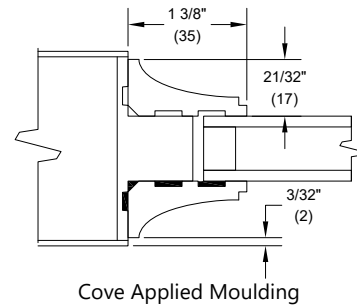
Exterior Applied Moulding Options – 1-3/4" Door



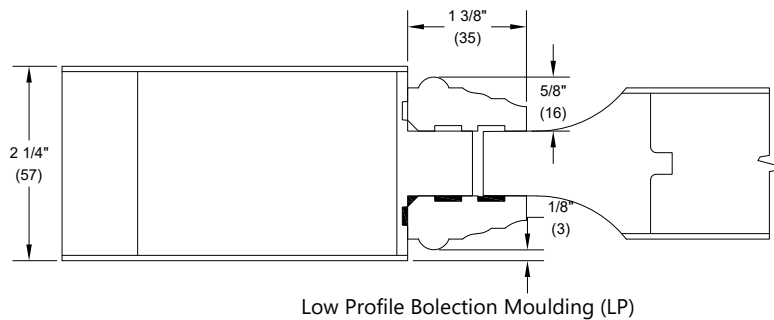
Exterior Applied Moulding Options – 2-1/4" Door



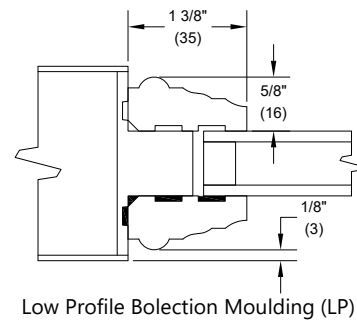
Cove Applied Moulding



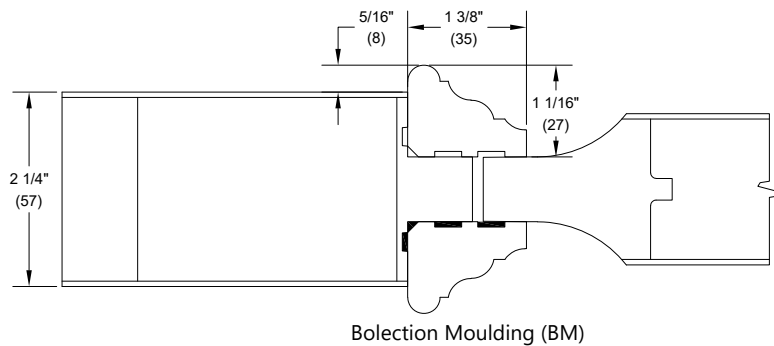
Cove Applied Moulding



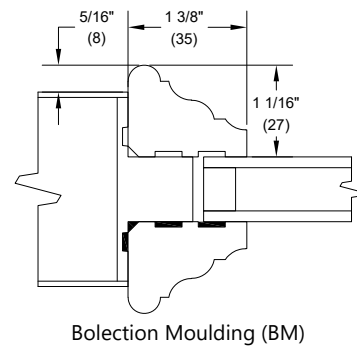
Low Profile Bolection Moulding (LP)



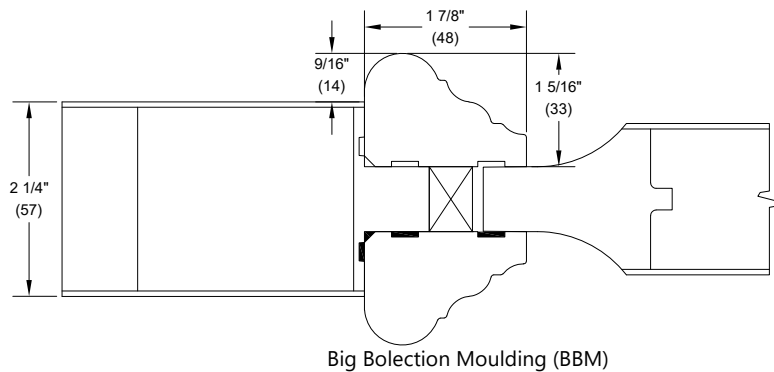
Low Profile Bolection Moulding (LP)



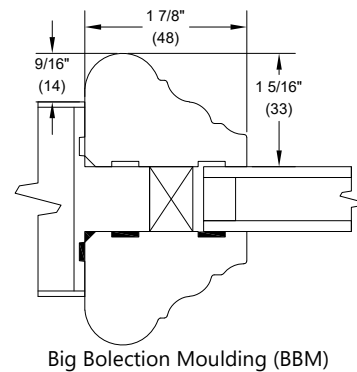
Bolection Moulding (BM)



Bolection Moulding (BM)

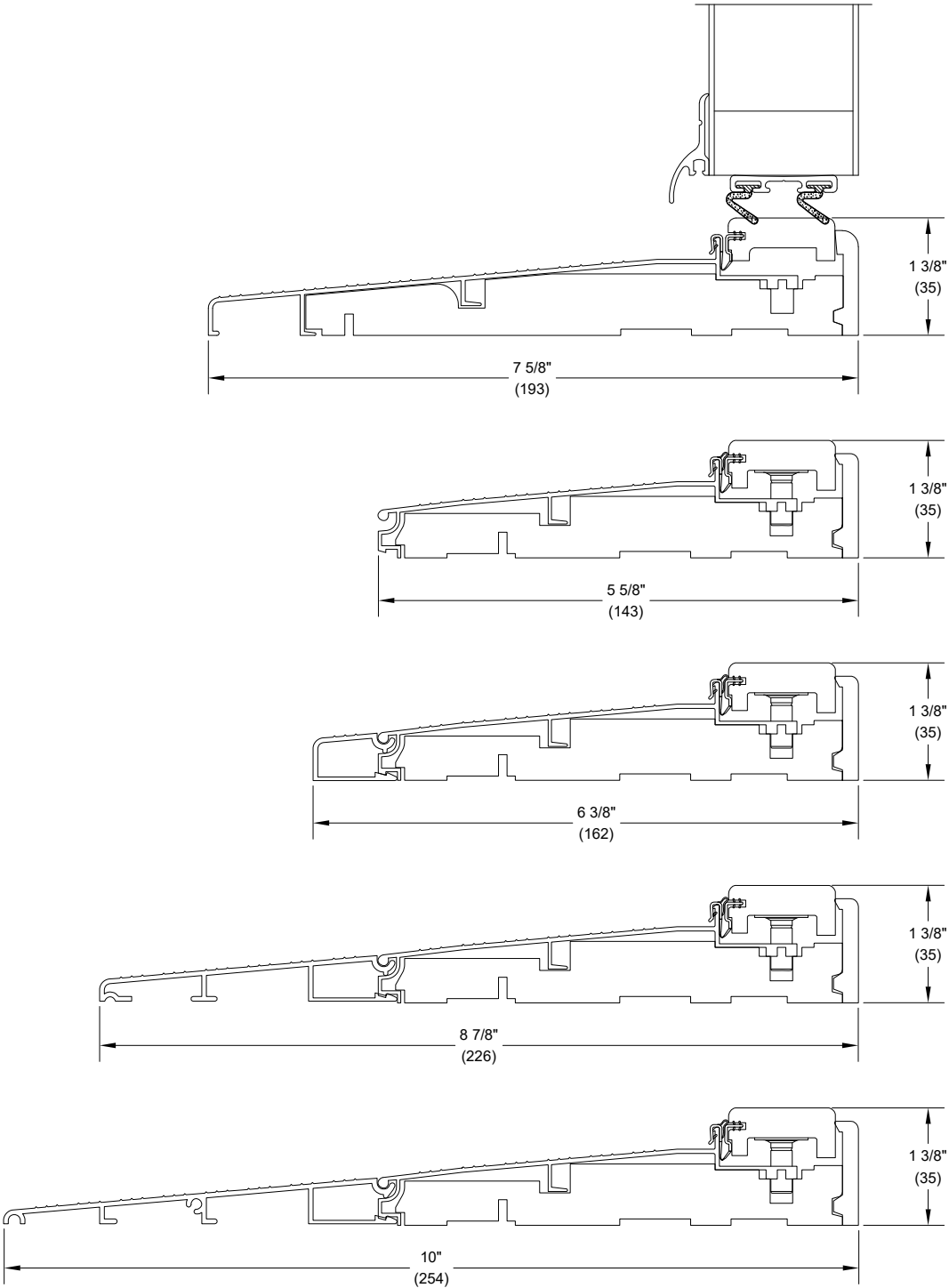


Big Bolection Moulding (BBM)

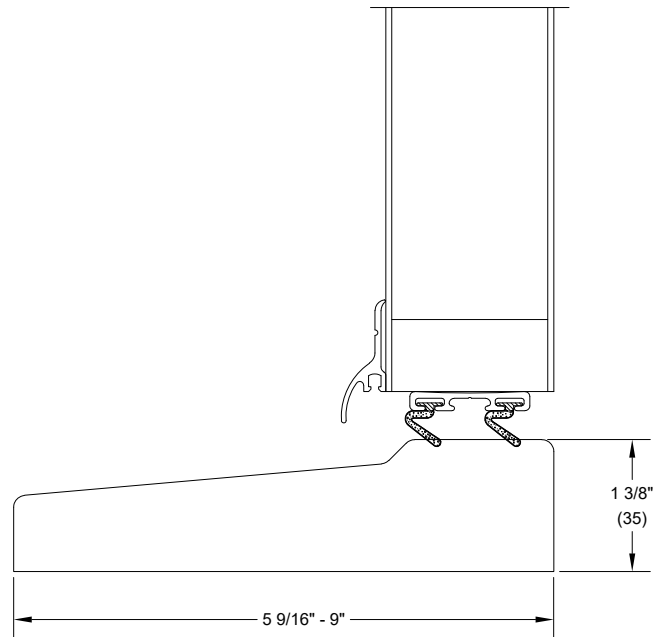


Big Bolection Moulding (BBM)

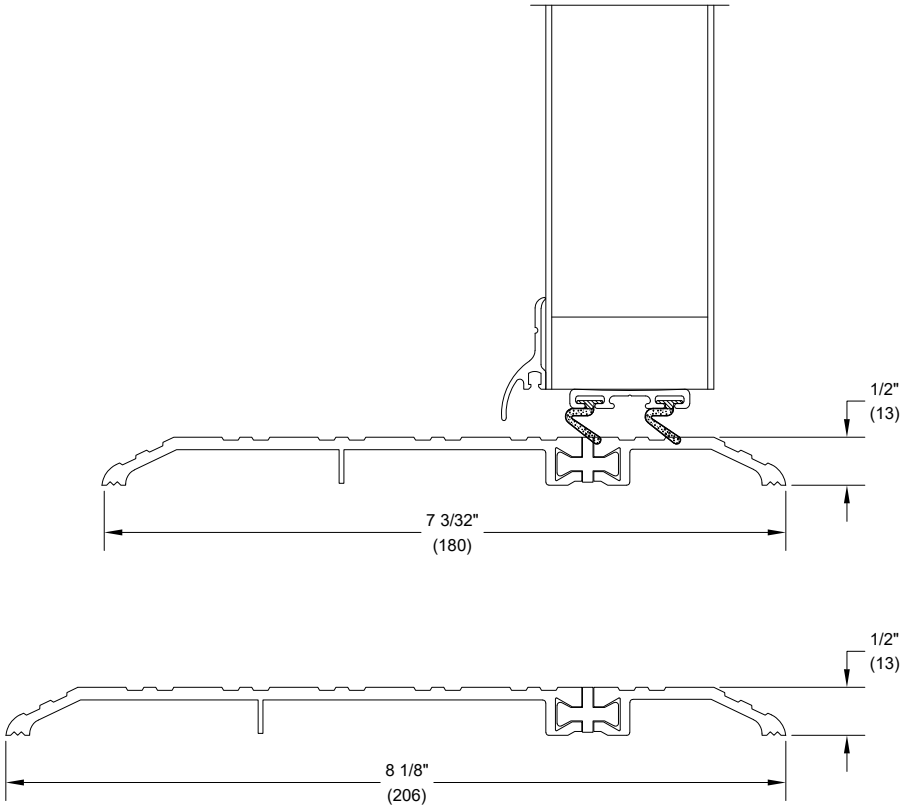
Sill Options – Oak Adjustable



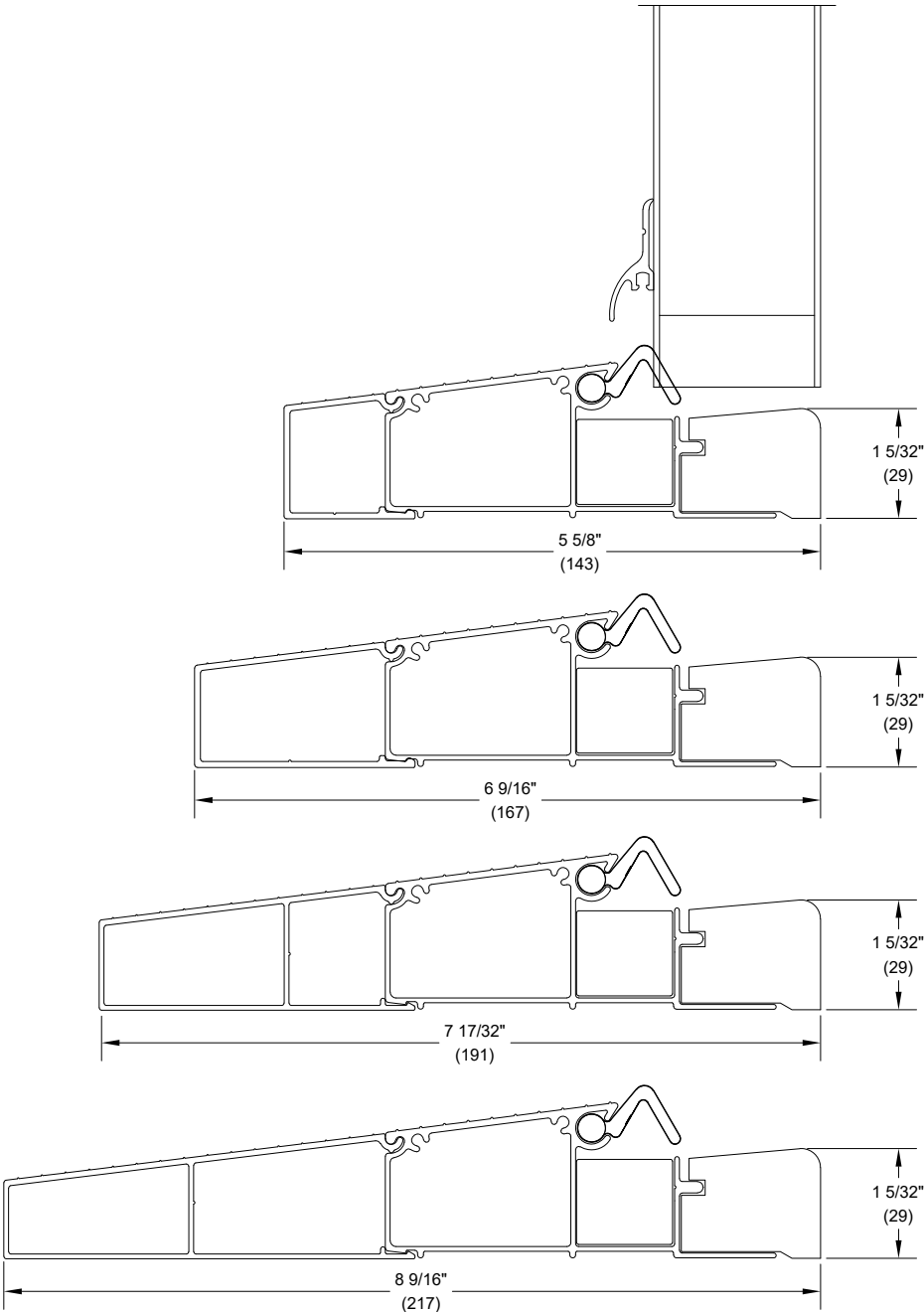
Sill Options – Solid Wood



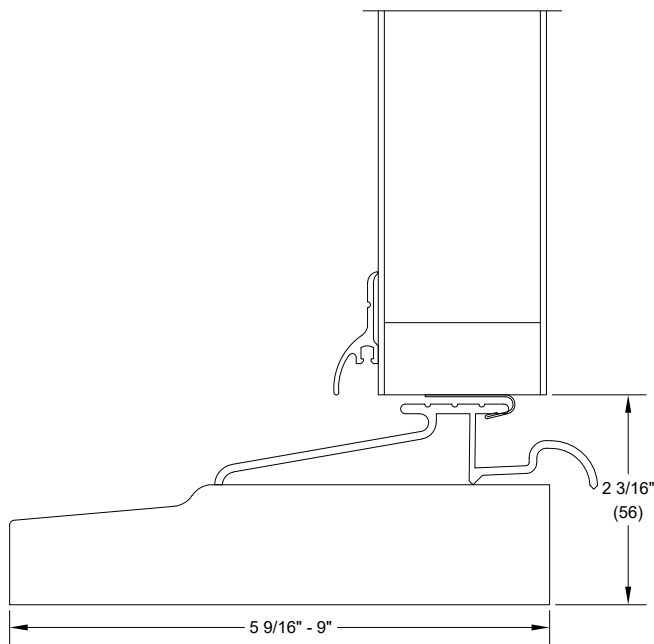
Sill Options – ADA



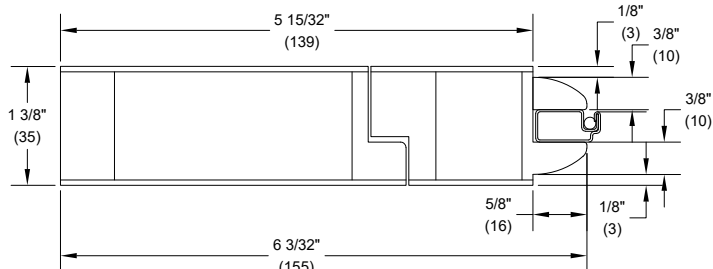
Sill Options – Hydrosill™



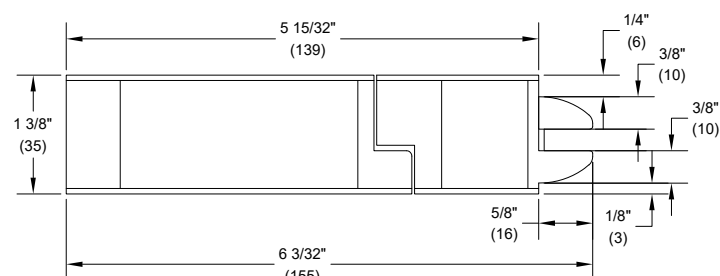
Sill Options – Solid Wood and Bronze Interlock



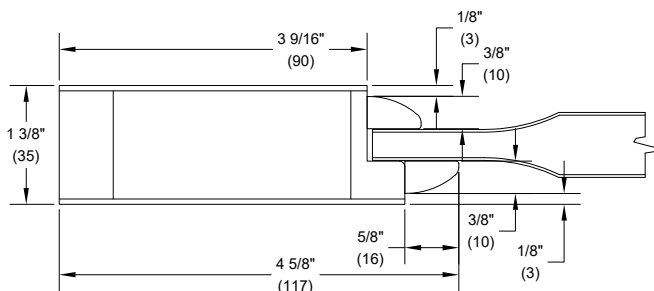
Wood Swinging Screen Options



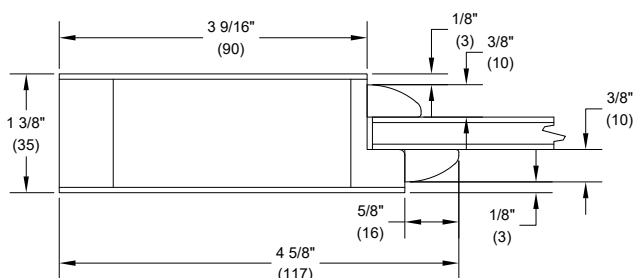
Wood Screen with Screen and Quarter Round (QR) Sticking



Wood Screen with Glass and Quarter Round (QR) Sticking

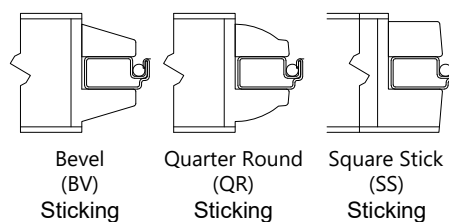
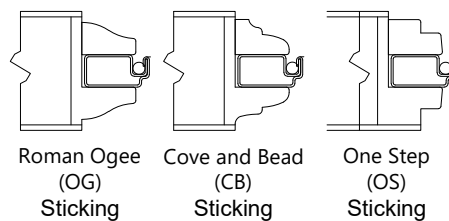


Wood Screen with Raised Panel and Quarter Round (QR) Sticking

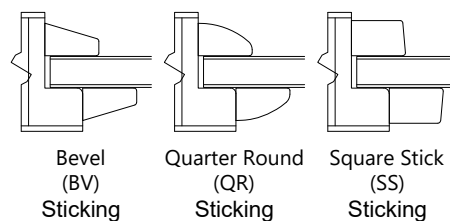
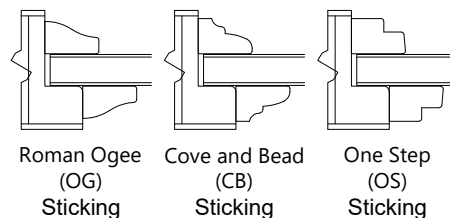


Wood Screen with Flat Panel and Quarter Round (QR) Sticking

Sticking for Wood Screen with Screen and Glass

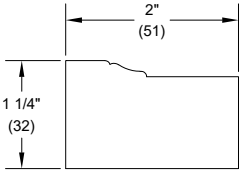


Sticking for Wood Screen with Raised Panel and Flat Panel

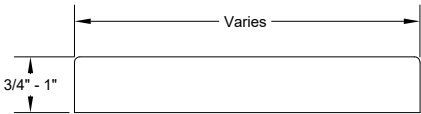


Accessories

Casings

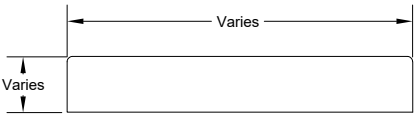


Brick Mould Casing



S4S Casing

Mull Cover



Mull Cover

Sash Stops



Square



Traditional

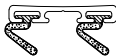


Metal Pemko 3452



Wood

Door Bottom



Door Bottom

Dentil Shelf Options

