

# TruStile Wood Entry Door Architectural Detail Manual

TRÜSTILE®  
A MARVIN® BRAND



# ARCHITECTURAL DETAIL MANUAL

## PRODUCT OVERVIEW

UNIT FEATURES	3
ENTRY SYSTEM CODES - RECTANGLES	5
ENTRY SYSTEM CODES - ROUND TOPS	6
HANDING CONFIGURATIONS	7
MINIMUM AND MAXIMUM GUIDELINES	8
MEASUREMENT CONVERSIONS	9
NET CLEAR OPENING	10
OVERHANG REQUIREMENT FOR WARRANTY COVERAGE	11

## PRODUCT DETAILS

SECTION DETAILS - FRAME OPTIONS	12
SECTION DETAILS - OPERATING - SINGLE- 1 3/4" DOOR	13
SECTION DETAILS - OPERATING - PAIR - 1 3/4" DOOR	14
SECTION DETAILS - OPERATING - SINGLE - 2 1/4" DOOR	15
SECTION DETAILS - OPERATING - PAIR - 2 1/4" DOOR	16
SECTION DETAILS - SINGLE, PAIR, SIDELITE- 1 3/4" DOOR	17
SECTION DETAILS - SINGLE, PAIR, SIDELITE- 2 1/4" DOOR	18
SECTION DETAILS - IN-SASH TRANSOM	19
SECTION DETAILS - DIRECT SET TRANSOM	20
SECTION DETAILS - VERTICAL MULLING OPTIONS	21
SECTION DETAILS - HORIZONTAL MULLING OPTIONS	22
STICKING OPTIONS - 1 3/4" DOOR	23
STICKING OPTIONS - 2 1/4" DOOR	24
PANEL OPTIONS - 1/ 3/4" DOOR	25
PANEL OPTIONS - 2 1/4" DOOR	26
SIMULATED DIVIDED LITES (SDL) OPTIONS - 1 3/4" DOOR	27
SIMULATED DIVIDED LITES (SDL) OPTIONS - 2 1/4" DOOR	29
TRUE DIVIDED LITES (TDL) OPTIONS - 1 3/4" DOOR	31
TRUE DIVIDED LITES (TDL) OPTIONS - 2 1/4" DOOR	33
EXTERIOR APPLIED MOULDING OPTIONS (1 3/4" DOOR OPTIONS)	35
EXTERIOR APPLIED MOULDING OPTIONS (2 1/4" DOOR OPTIONS)	36

## PRODUCT ACCESSORIES

SILL OPTIONS - OAK ADJUSTABLE	37
SILL OPTIONS - SOLID WOOD	38
SILL OPTIONS - ADA	39
SILL OPTIONS - HYDROSILL	40
SILL OPTIONS - SOLID WOOD AND BRONZE INTERLOCK	41
WOOD SWINGING SCREEN OPTIONS	42
ACCESSORIES	43

## UNIT FEATURES

### Maximum Sizes:

Pre-Hung Doors:

- Max: 42" Wide x 96" High

Slab Doors:

- Max: 48" Wide x 120" High

Sidelites:

- Max 36" Wide x 120" High

Transoms:

- Max 48" High x 120" Wide

Overall Entry System:

- Factory Assembled Maximum: 93"W x 96"H
- Certified Units: Rules TBD

System Layouts:

- See Page 4 to choose from available configurations

### Available Frame Types:

Uniframe:

- Min: 4-<sup>9</sup>/<sub>16</sub>"
- Max: 6-<sup>9</sup>/<sub>16</sub>"

Single Rabbet:

- Min: 4-<sup>9</sup>/<sub>16</sub>"
- Max: 9"

Double Rabbet:

- Min: 4-<sup>9</sup>/<sub>16</sub>"
- Max: 9"
- With Screen Door Min 6-<sup>9</sup>/<sub>16</sub>" – Max 9"

### Frame Mulling Options:

Prep for Field Mull

Factory Mull

Spread Mull:

- Min: 1"
- Max: 6"

Reinforced Mull:

- Min: 1" LVL,
- Max: 2" LVL

### Sill Options:

Available as Continuous up to 120"

Available with Sill Horns:

Depth

- Min: 1-<sup>1</sup>/<sub>16</sub>"
- Max: 3-<sup>7</sup>/<sub>16</sub>"

Length

- Min: 1" -
- Max: 6"

Oak Adjustable

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:

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:

Stain-Grade Genuine Mahogany

Stain-Grade Mahogany

Paint-Grade Mahogany

Douglas Fir

Cherry

White Oak

Walnut

Paint-Grade Douglas Fir

Alder

Standard <sup>1</sup>/<sub>16</sub>" Flitch Veneers

Optional <sup>1</sup>/<sub>8</sub>" Veneers

### 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 Moulding

CV- Cove Moulding

BBM – Big Bolection Moulding

BM- Bolection Moulding

Custom Profiles Available Upon Request

### Panel Profiles:

(see pages 24-25)

Panel Styles

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

### 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

## UNIT FEATURES

### SDL and TDL Options:

#### 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  
 BV: Bevel  
 OS: One Step  
 CB: Cove and Bead

#### True Divided Lite (TDL) options

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

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

### Factory Finishing

Stain-Grade: High-quality exterior-grade factory finishing available see <https://www.trustile.com/entry-systems/wood/finishing> for finishes by species

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

### Hardware

Handlesets: Not provided

Ability to machine for any cylindrical or mortise handleset

GU Secury Automatic Multipoint available upon request

GU Secury Rhino Multipoint Lock available upon request

NOTE: These are highly recommended on pair units and doors over 8 feet tall.

4×4 Ball Bearing Square Corner TruStile Branded Architectural

Hinges standard

Emtek and Baldwin Hinges available upon request

Colors:

Black  
 Bright Brass  
 Satin Brass  
 Antique Brass  
 Antique Bronze  
 Oil-Rubbed Bronze  
 Polished Nickel  
 Satin Nickel  
 Antique Nickel  
 Polished Chrome  
 Satin Chrome

### Screen Door/Storm Door

Manufactured to match/complement the entry system

#### Screen Options:

Fiberglass  
 Aluminum  
 Bronze  
 Hi-Vis  
 Pet

Options:

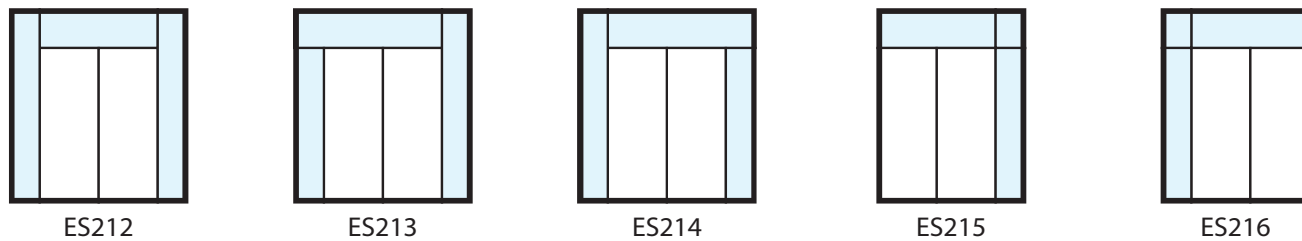
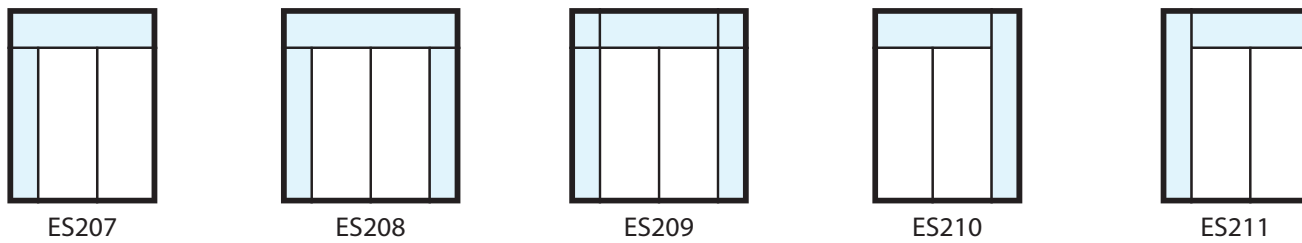
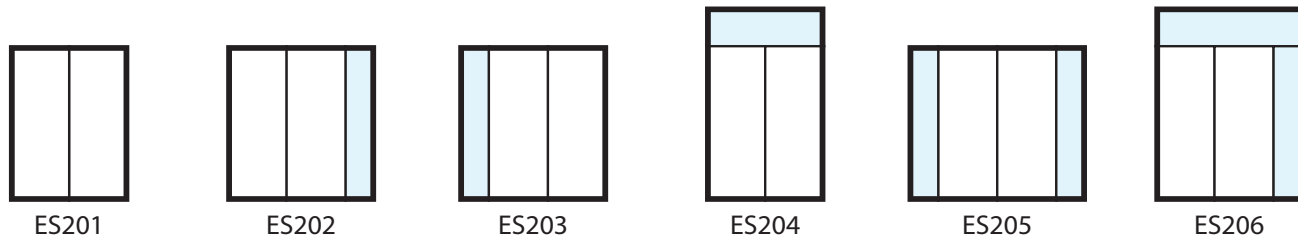
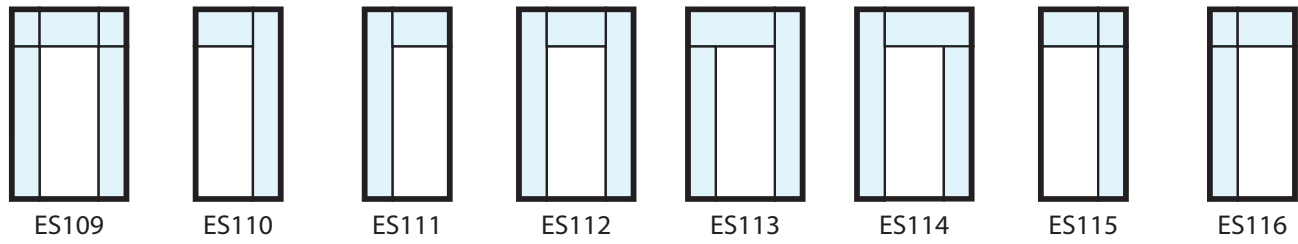
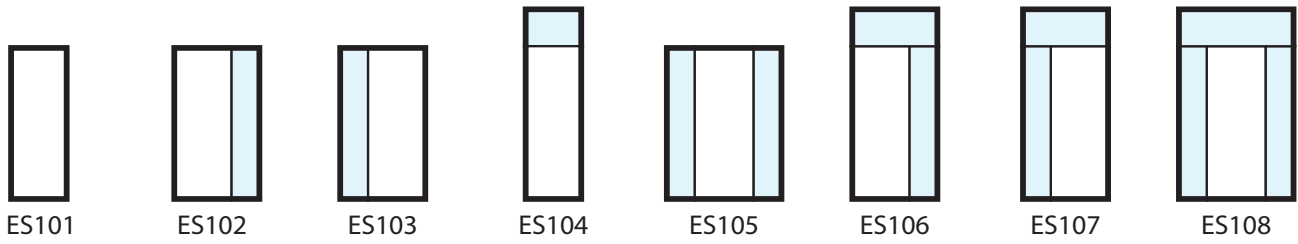
- Black Hydraulic Closer (Default)
- Screen Door Handle Sets from Emtek and Deltana available as standard options.

#### Casing Options:

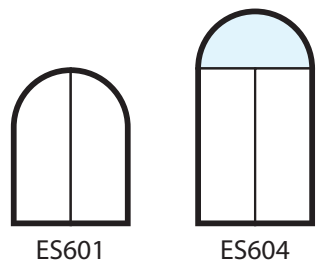
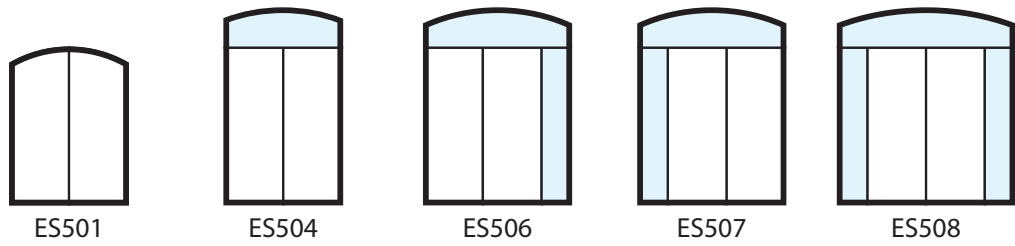
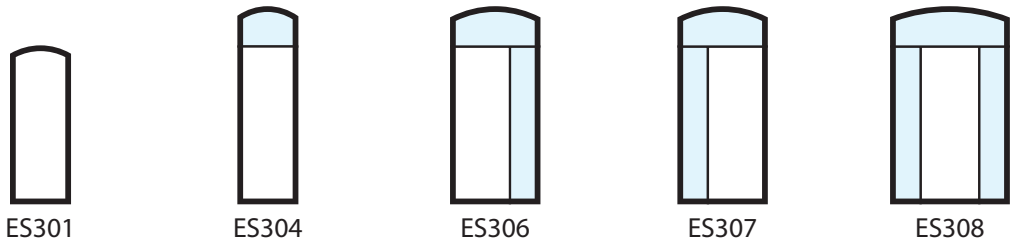
WM180 – Brick Mould 1- $\frac{1}{4}$ " thick by 2" Wide

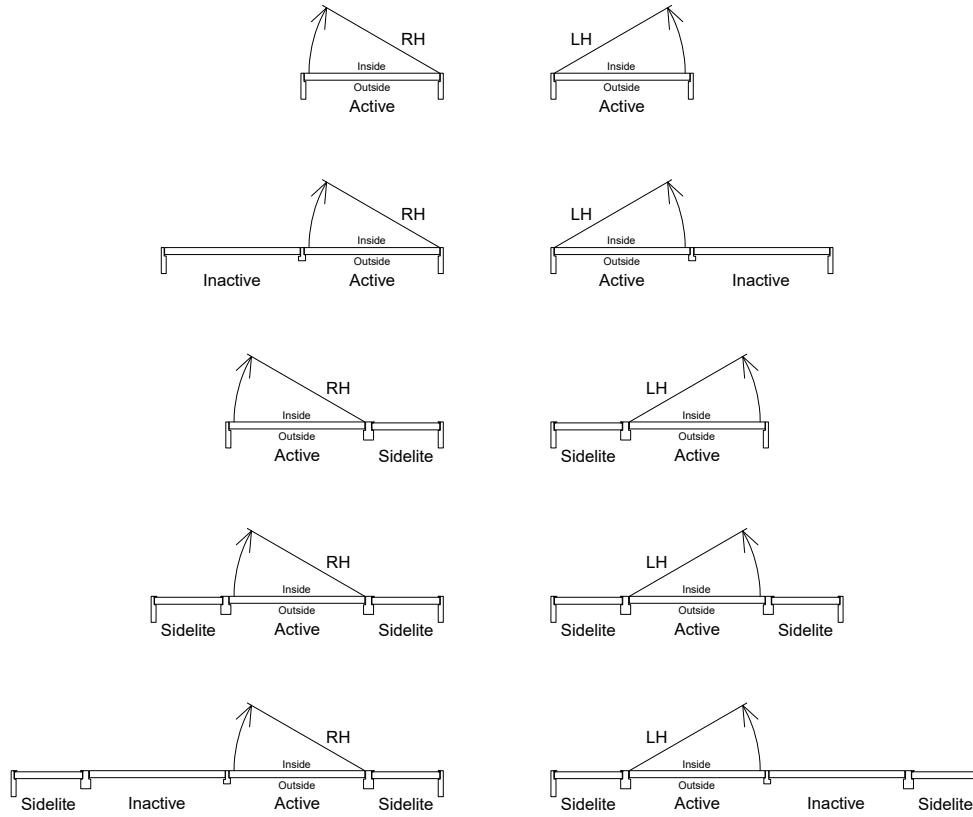
Configurable S4S in all species in both  $\frac{3}{4}$ " and 1" thicknesses

## ENTRY SYSTEM CODES - RECTANGLES



ENTRY SYSTEM CODES - ROUND TOPS





## MINIMUM AND MAXIMUM GUIDELINES

### 1 3/4" SLAB - RECTANGLE

TruStile Entry Door Minimum and Maximum Slab Sizes								
Configuration	Minimum				Maximum			
	Width		Height		Width		Height	
	in	mm	in	mm	in	mm	in	mm
<b>Unit Type</b>								
<b>1 3/4 Door</b>	24	(508)	48	(1219)	36	(914)	96	(2438)
<b>2 1/4 Door</b>	24	(508)	48	(1219)	42	(1067)	120	(3048)
<b>Pre-Hung Door</b>	24	(508)	48	(1219)	42	(1067)	96	(2438)
<b>Transom</b>	24	(508)	10	(254)	96	(2438)	48	(1219)
<b>Sidelite</b>	10	(254)	48	(1219)	48	(1219)	120	(3048)
<b>Sidelite Transom</b>	10	(254)	10	(254)	48	(1219)	48	(1219)
<b>Screen Door</b>	24	(508)	48	(1219)	42	(1067)	120	(3048)
<b>Direct Set Sidelite</b>	4	(102)	48	(1219)	36	(914)	120	(3048)
<b>Direct Set Transom</b>	24	(508)	10	(254)	96	(2438)	48	(1219)
<b>Direct Set Sidelite Transom</b>	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



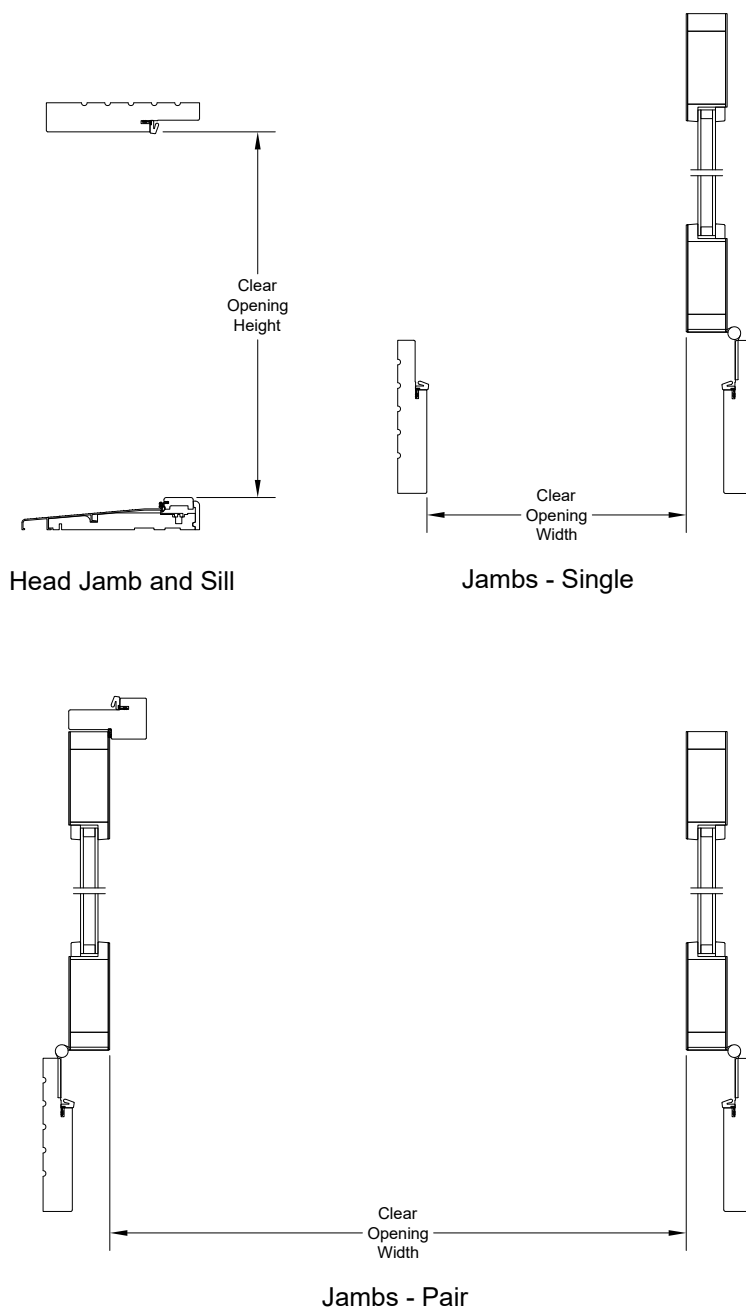
Configuration	Unit Measurements		Width	
	From	To		
All	Rough Opening		in	mm
	Frame OM	Rough Opening	+ 1	(25)
	Masonry Opening	Rough Opening	+ 1/2	(13)

	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 m<sup>2</sup>).

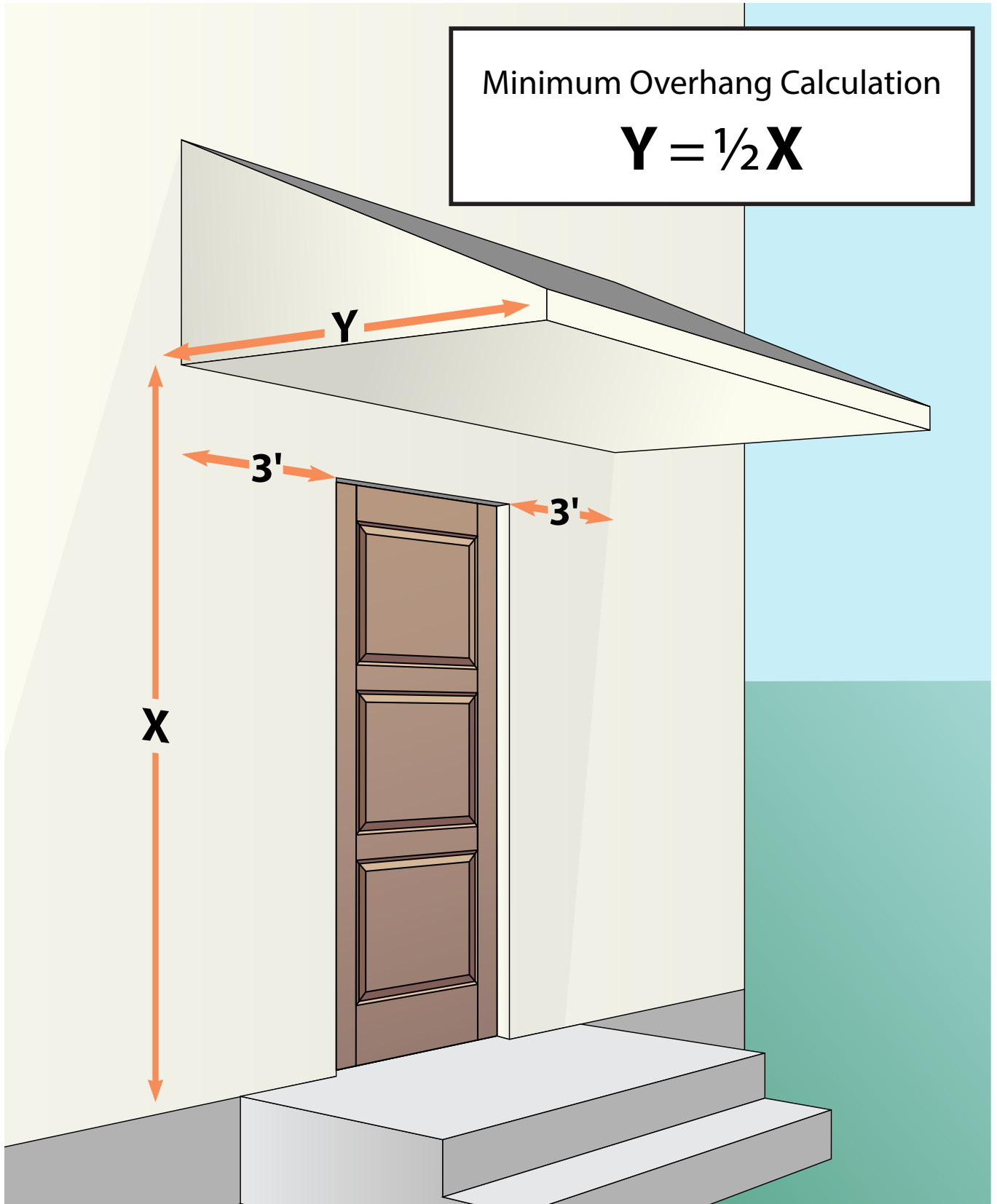
**Exception:** The minimum net clear opening for grade-floor emergency escape and rescue openings shall be 5.0 square feet (0.46m<sup>2</sup>).

**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 (1118) 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.



SECTION DETAILS - FRAME OPTIONS

Frame



Square Edge Frame - Single Rabbeted



Square Edge Frame - Double Rabbeted

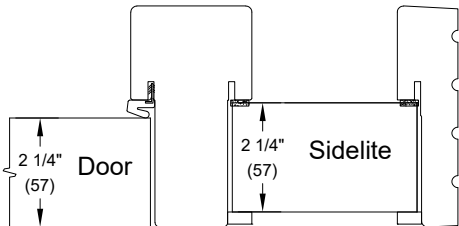
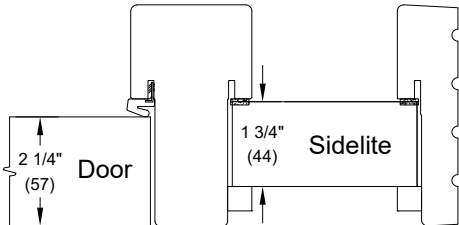
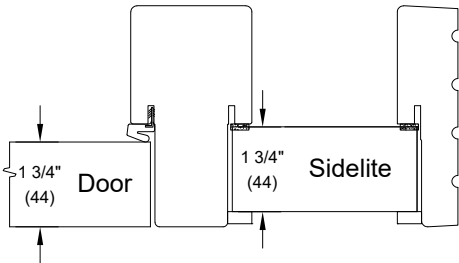


Radius Edge Frame - Single Rabbeted



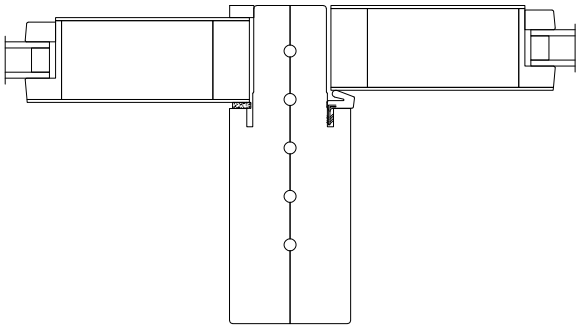
Radius Edge Frame - Double Rabbeted

Uni-Frame Mull Post

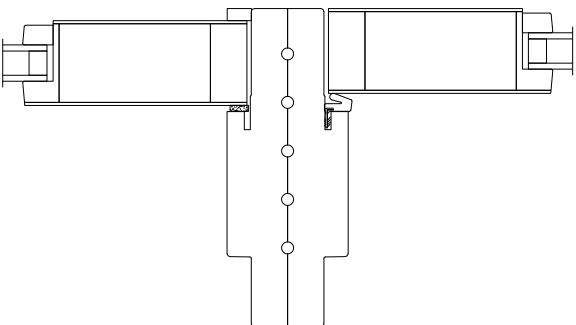


Back to Back Mull Post

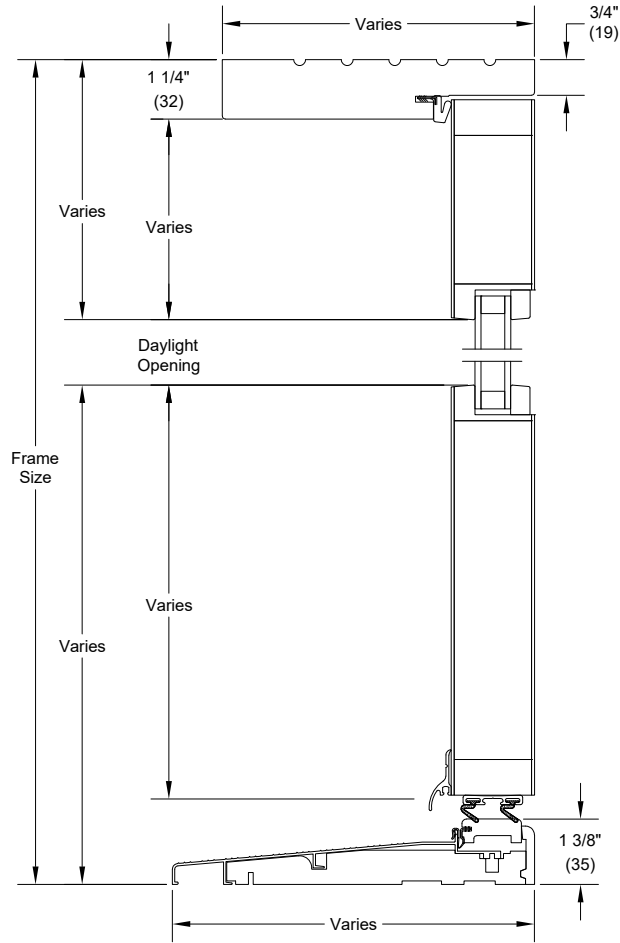
Single Rabbet



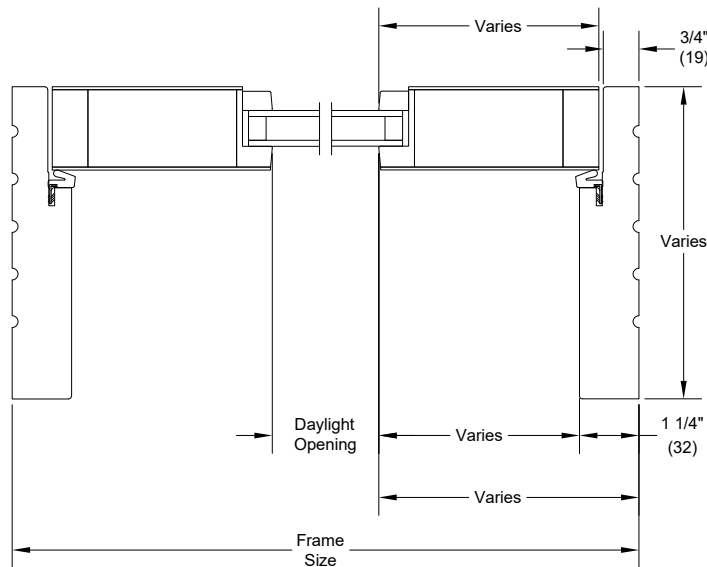
Double Rabbet



# SECTION DETAILS - OPERATING - SINGLE- 1 3/4" DOOR

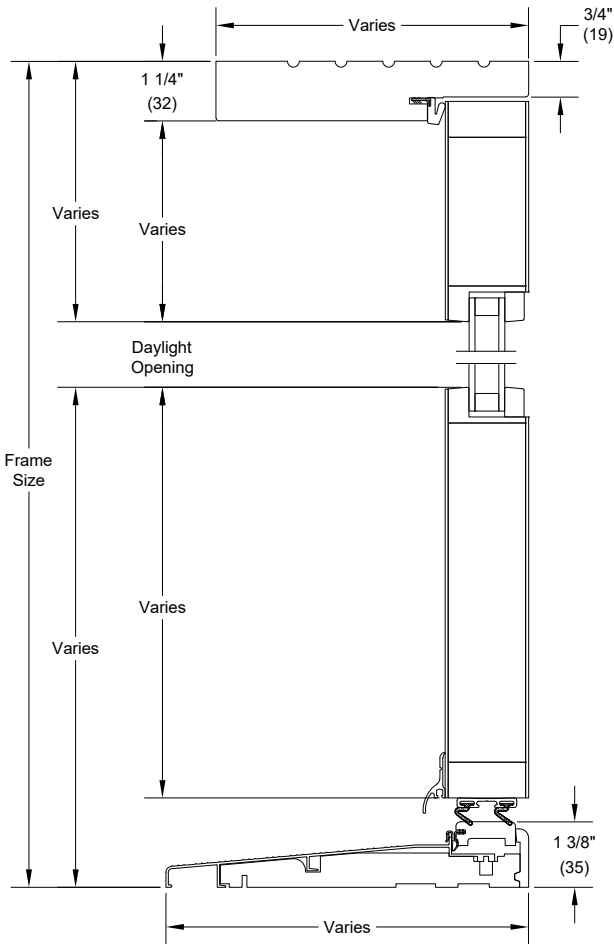


Head Jamb and Sill

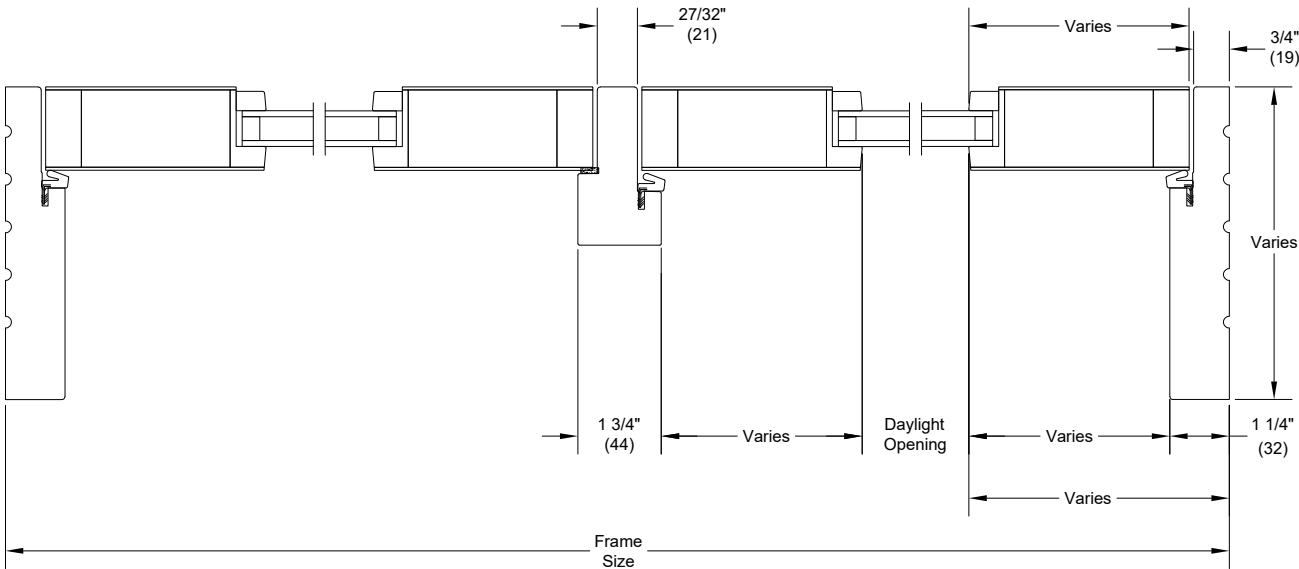


Jambs - Single

SECTION DETAILS - OPERATING - PAIR - 1 3/4" DOOR

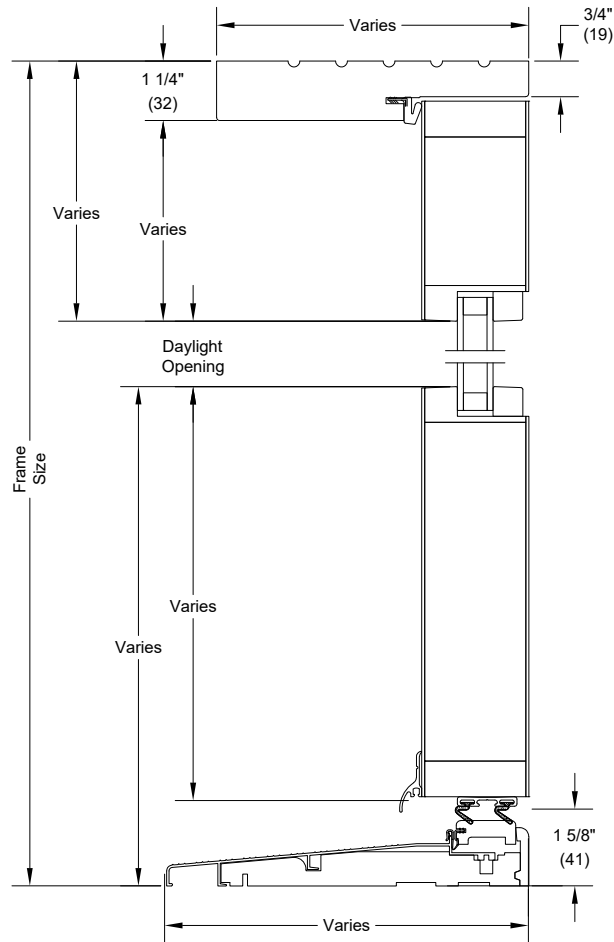


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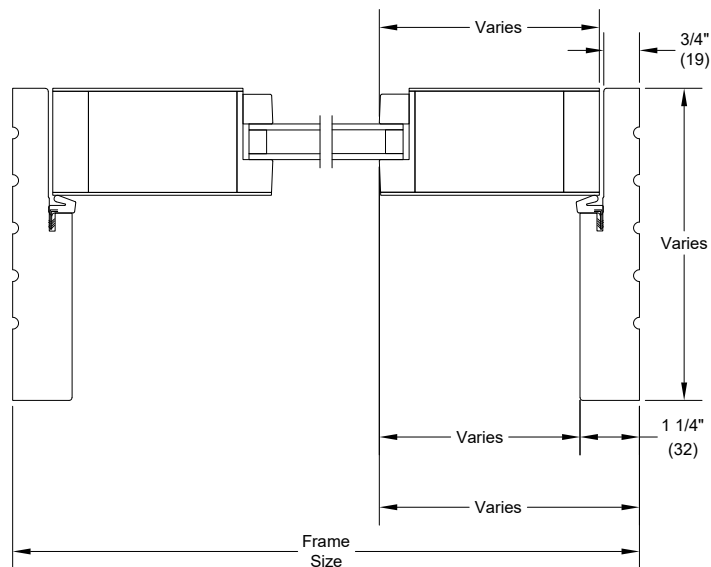


Jamb - Pair

# SECTION DETAILS - OPERATING - SINGLE - 2 1/4" DOOR

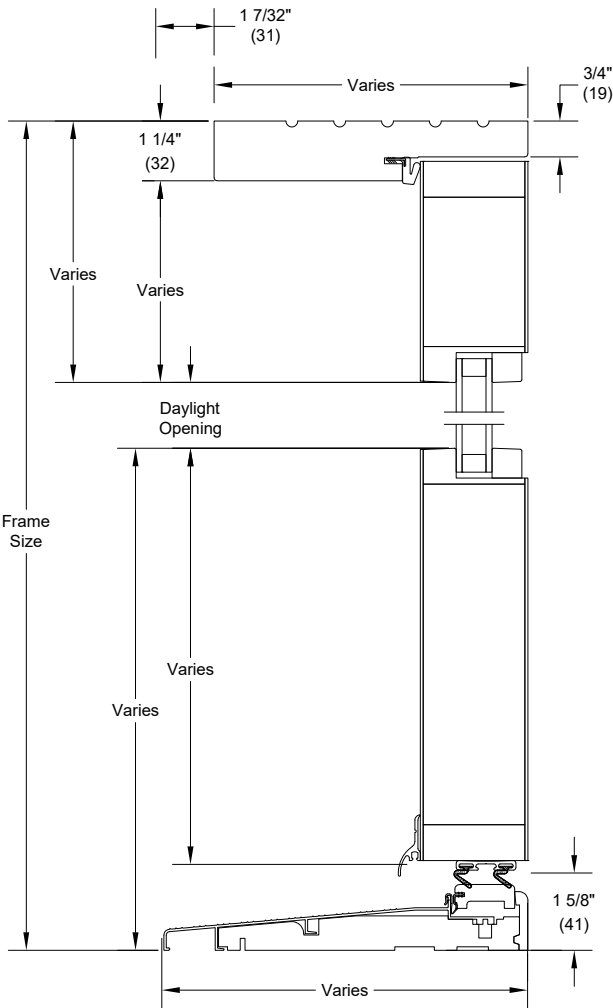


Head Jamb and Sill

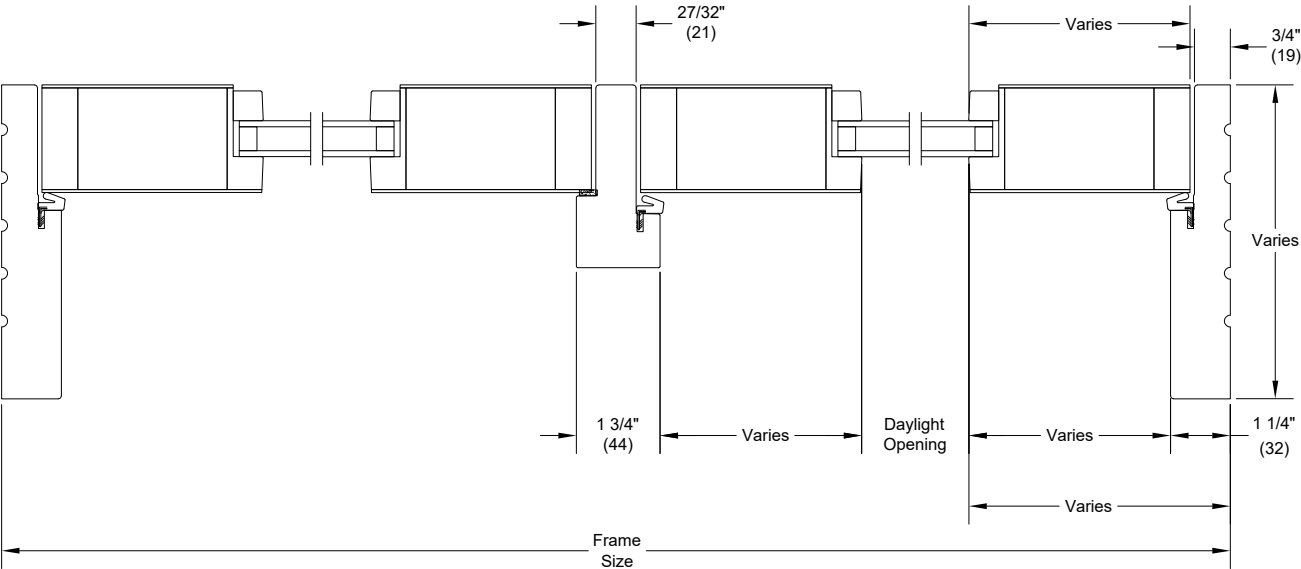


Jambs - Single

SECTION DETAILS - OPERATING - PAIR -2 1/4" DOOR



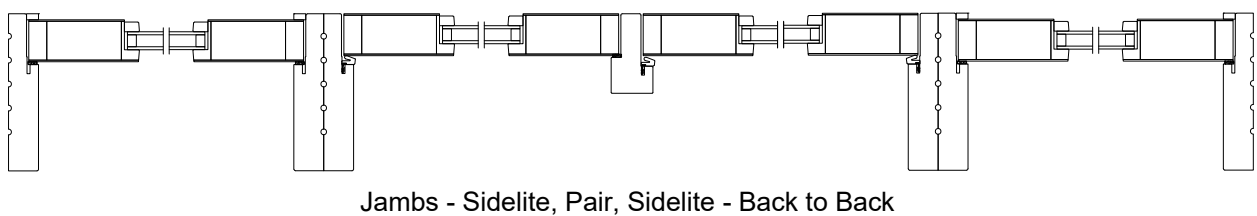
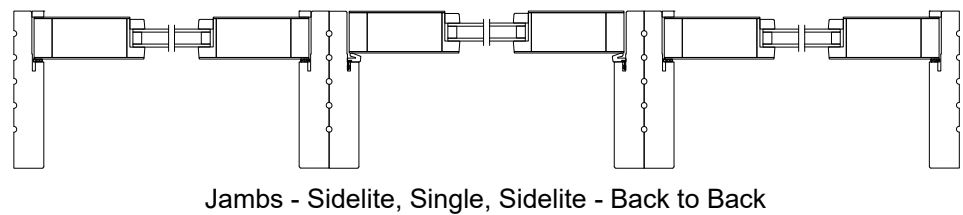
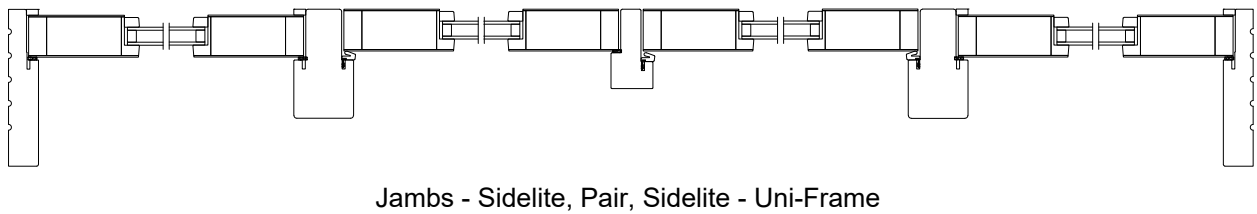
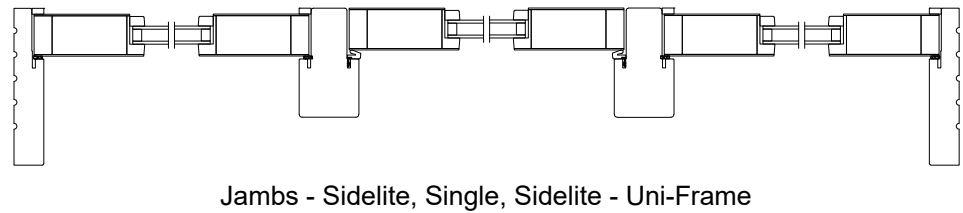
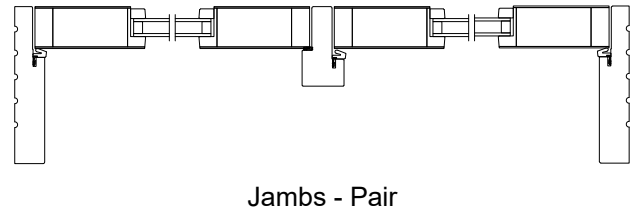
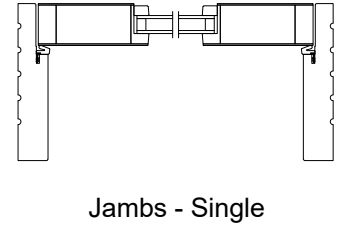
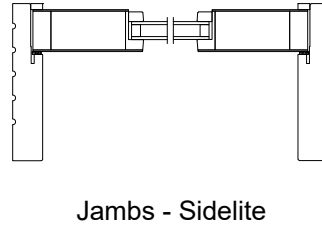
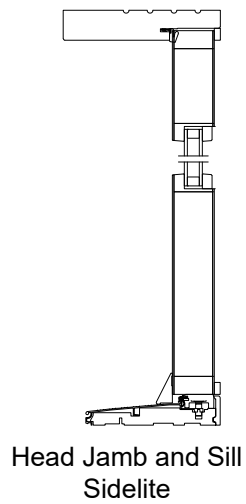
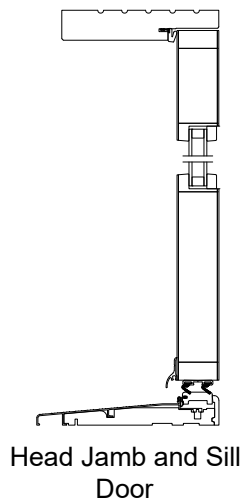
Head Jamb and Sill



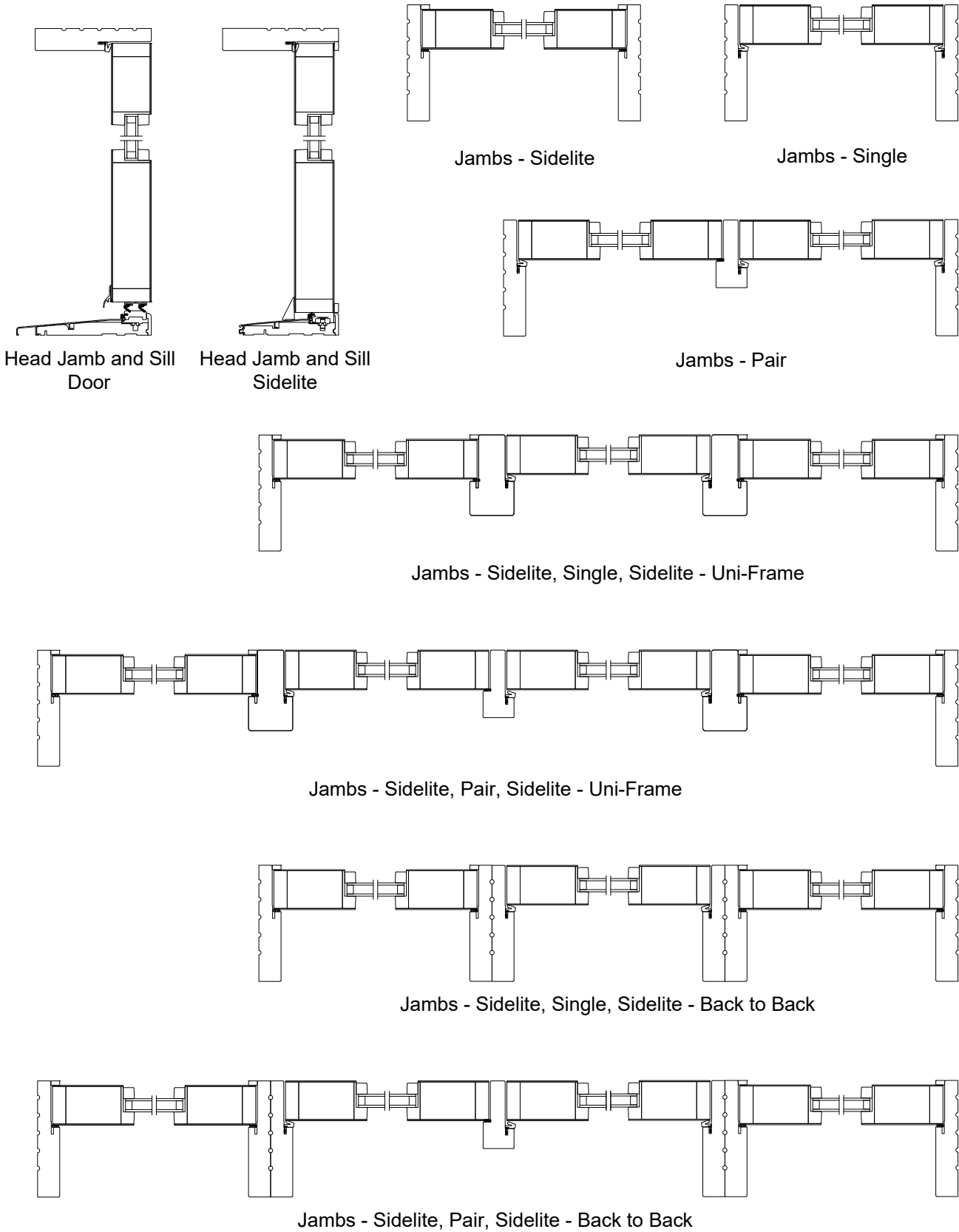
Jamb - Pair



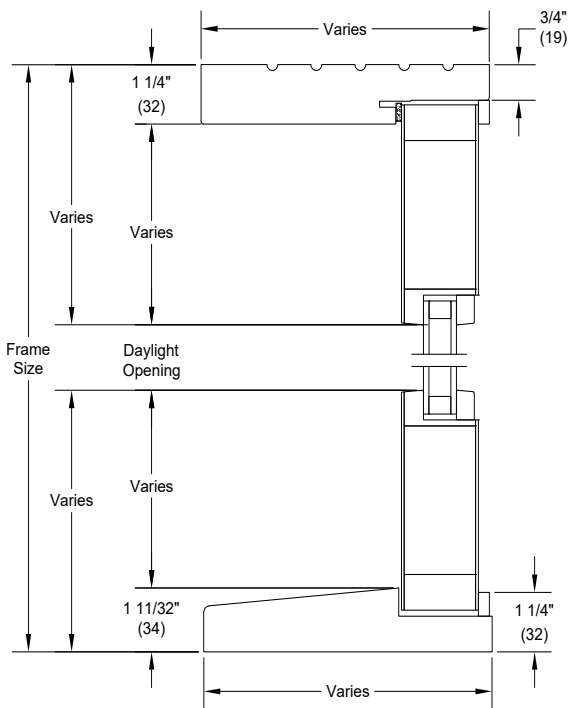
**SECTION DETAILS - SINGLE, PAIR, SIDELITE- 1 3/4" DOOR**



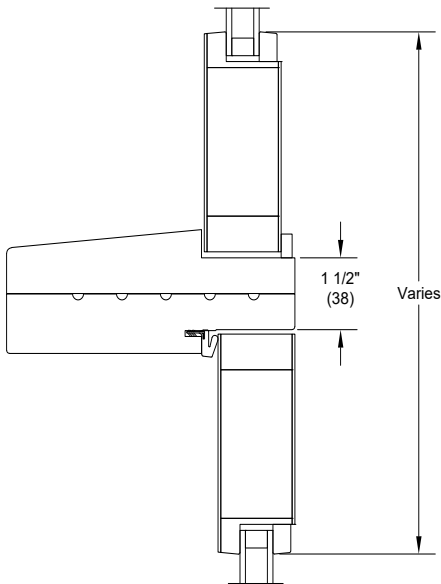
SECTION DETAILS - SINGLE, PAIR, SIDELITE- 2 1/4" DOOR



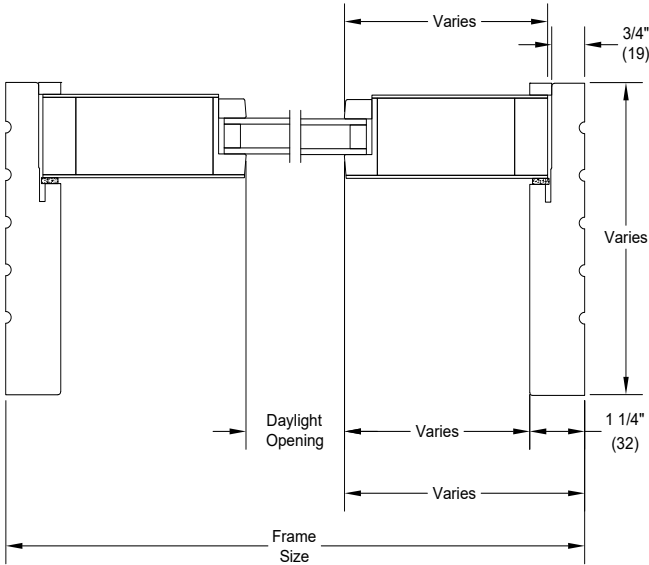
**SECTION DETAILS - IN-SASH TRANSOM**



**Head Jamb and Sill**

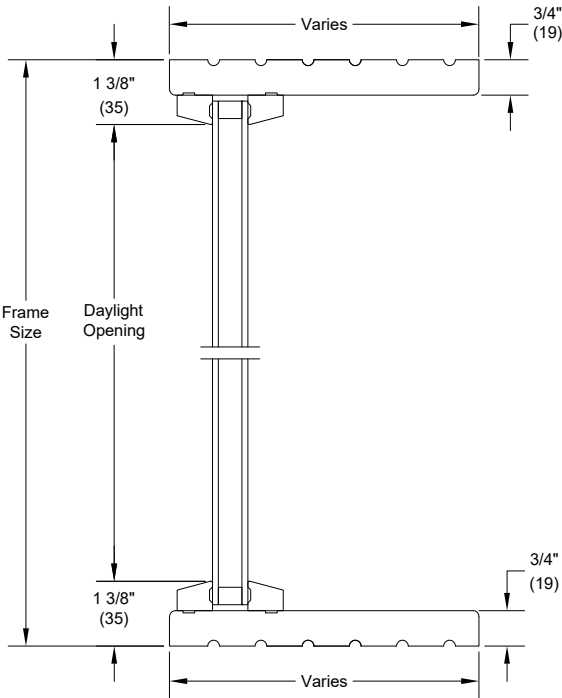


**Transom Over  
Inswing**

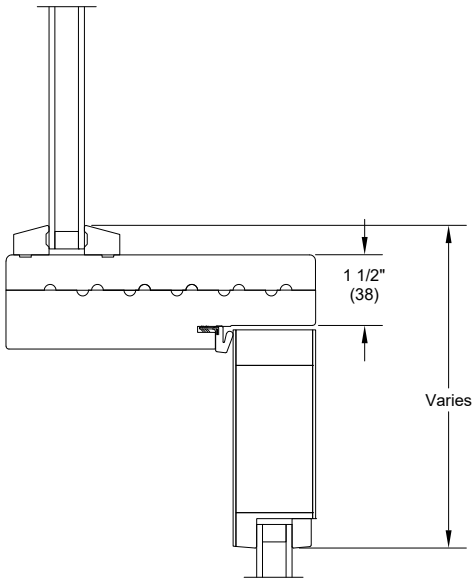


**Jamb**

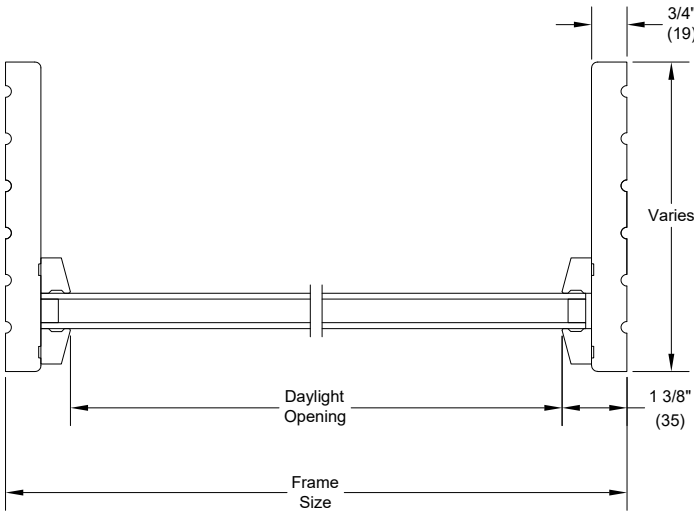
SECTION DETAILS - DIRECT SET TRANSOM



Head Jamb and Sill

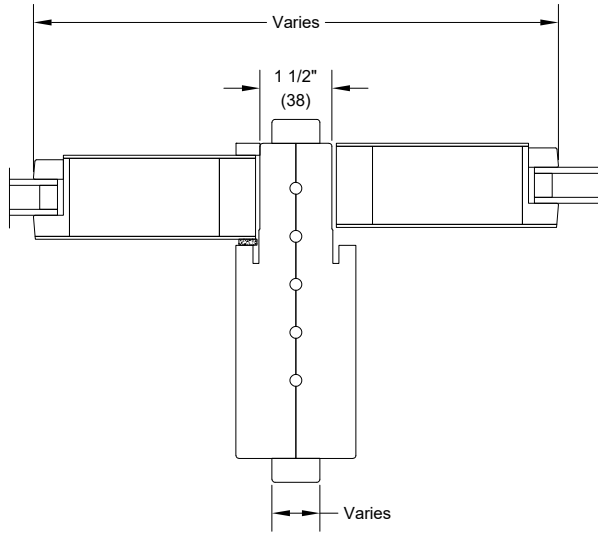


Transom Over Inswing

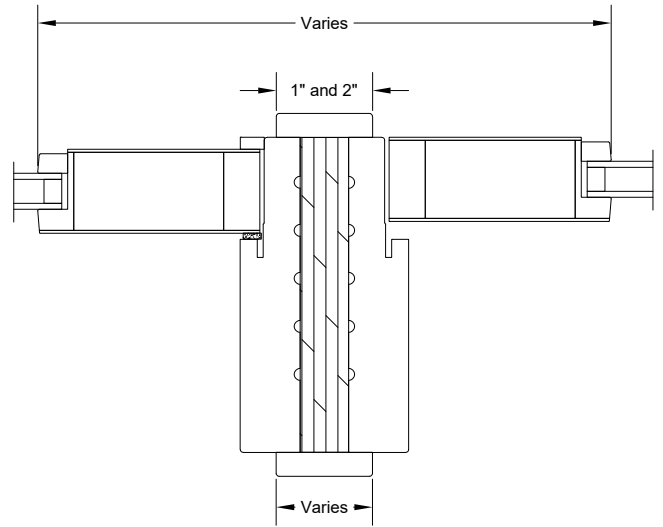


Jambs

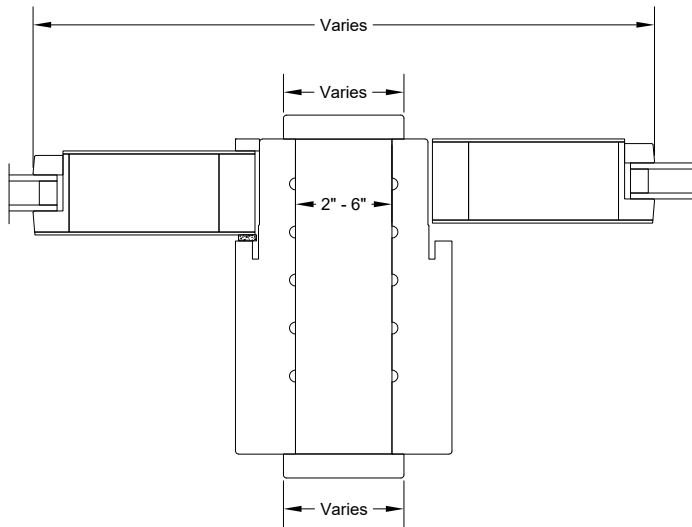
## SECTION DETAILS - VERTICAL MULLING OPTIONS



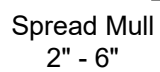
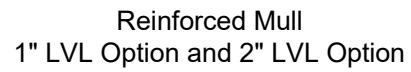
**Direct Mull**



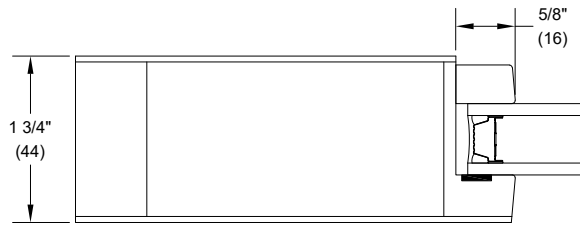
**Reinforced Mull**  
1" LVL Option and 2" LVL Option



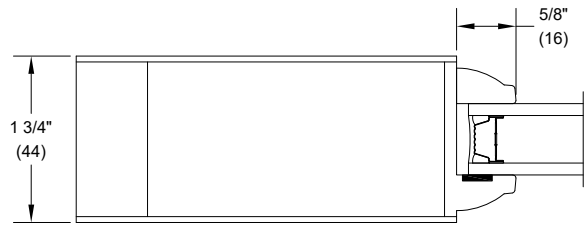
**Spread Mull**  
2" - 6"



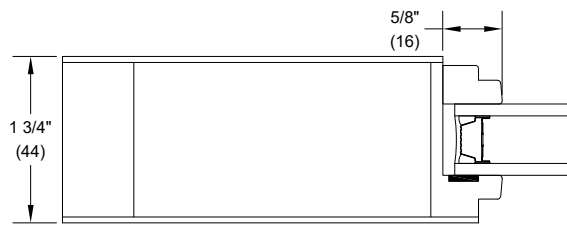
## STICKING OPTIONS - 1 3/4" DOOR



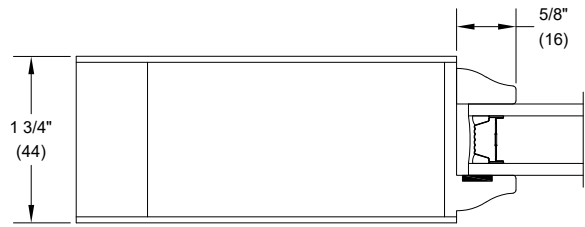
Square Stick (SS) Sticking



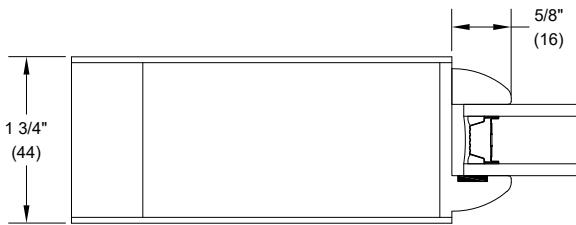
Quarter Bead (QB) Sticking



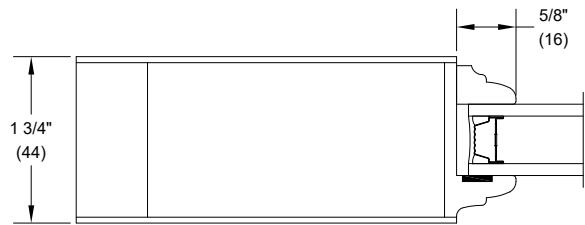
One Step (OS) Sticking



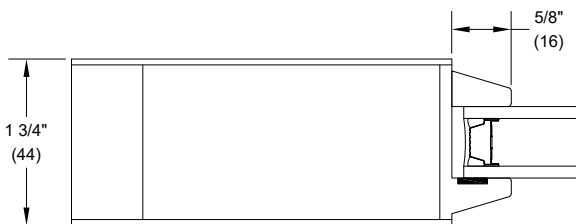
Roman Ogee (OG) Sticking



Quarter Round (QR) Sticking

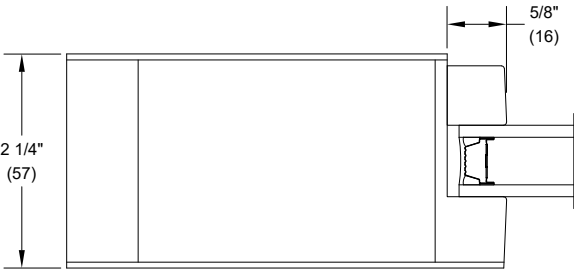


Cove and Bead (CB) Sticking

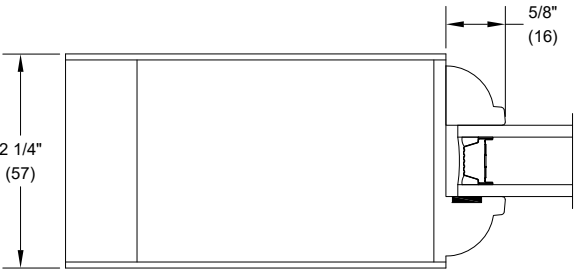


Bevel (BV) Sticking

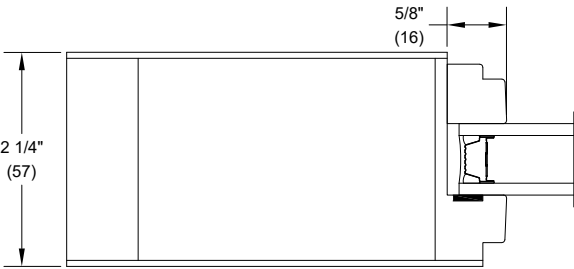
STICKING OPTIONS - 2 1/4" DOOR



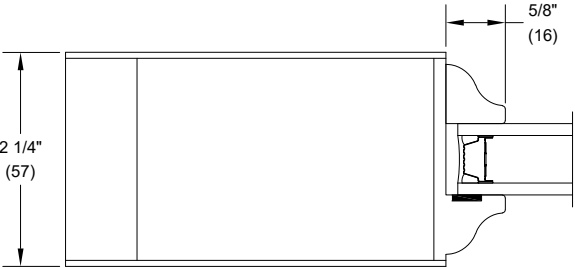
Square Stick (SS) Sticking



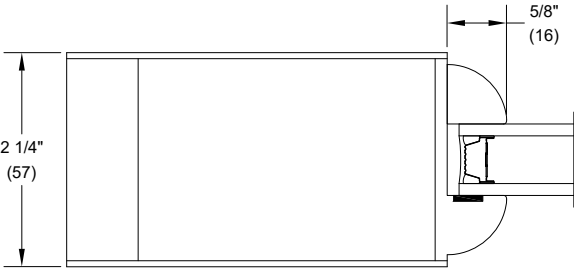
Quarter Bead (QB) Sticking



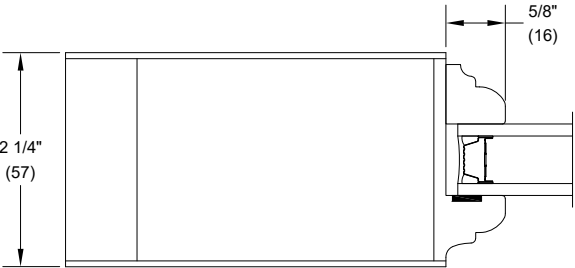
One Step (OS) Sticking



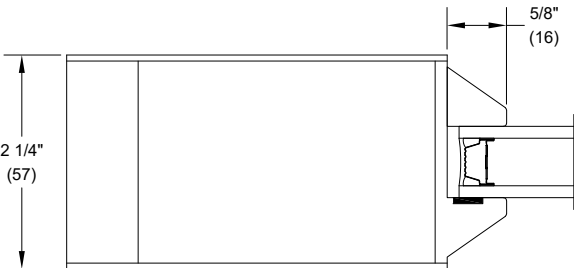
Roman Ogee (OG) Sticking



Quarter Round (QR) Sticking



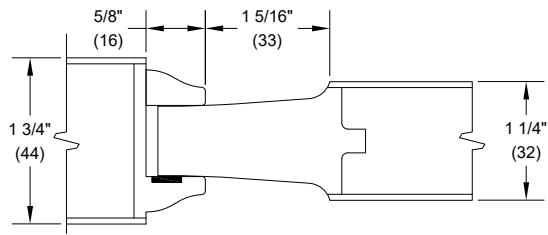
Cove and Bead (CB) Sticking



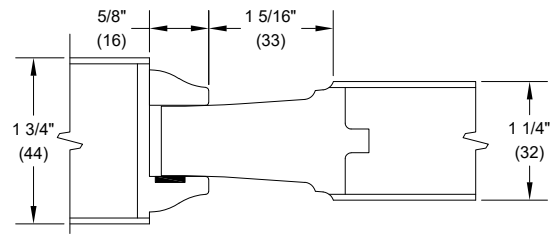
Bevel (BV) Sticking



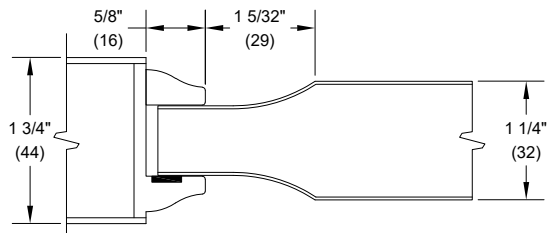
**PANEL OPTIONS - 1/ 3/4" DOOR**



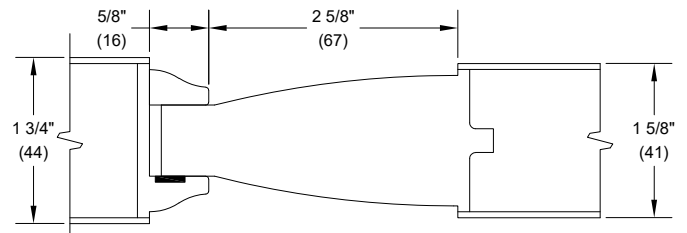
**A - Raised**



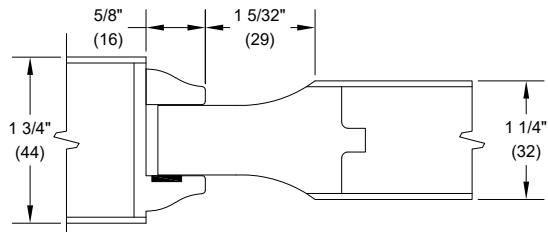
**D - Double Hip**



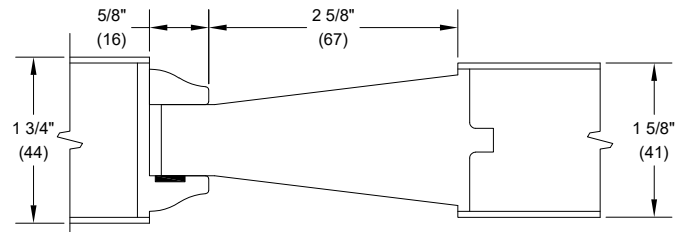
**B- Scoop Bladder Pressed**



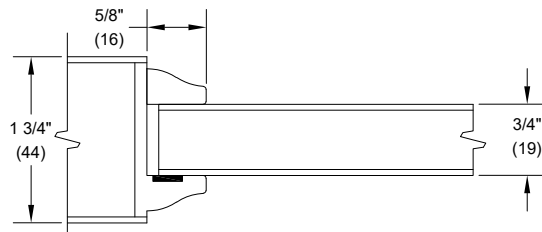
**E - Senior Raised**



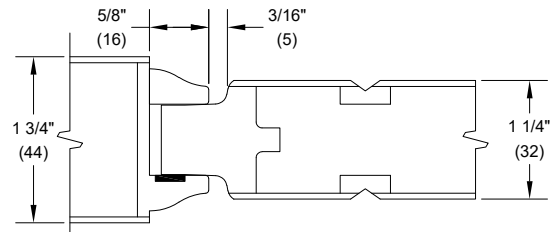
**B- Scoop Rim Raised**



**F - Senior Bevel**



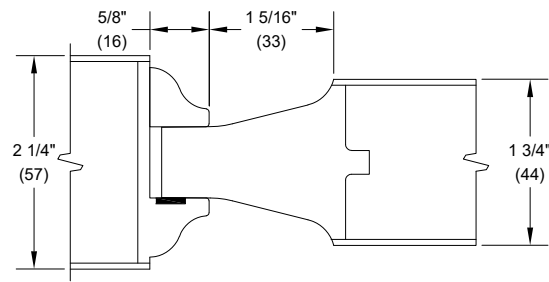
**C - Flat**



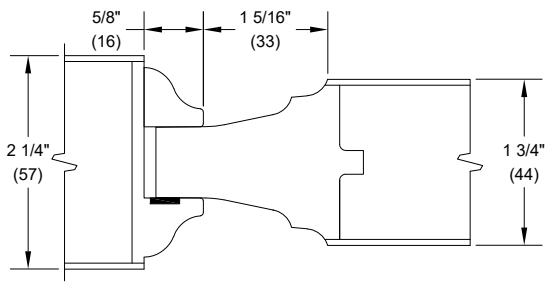
**VG - V Groove**

NOTE: ALL SHOWN WITH OG STICKING

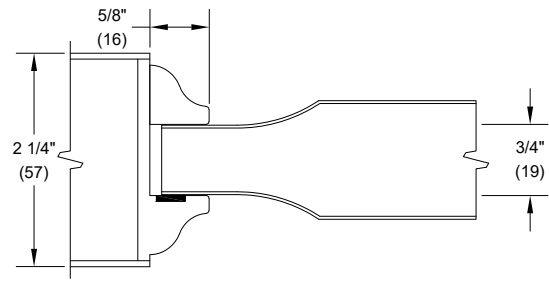
PANEL OPTIONS - 2 1/4" DOOR



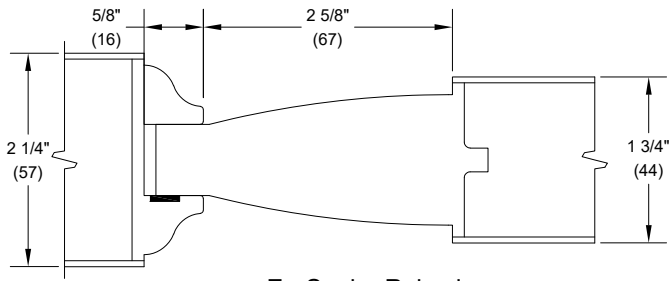
A - Raised



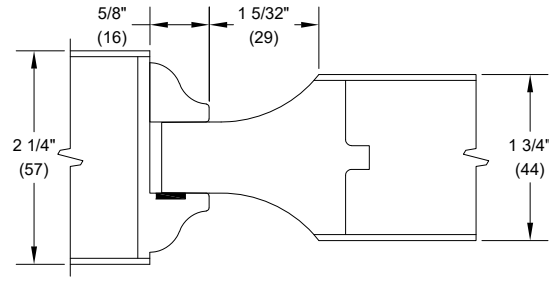
D - Double Hip



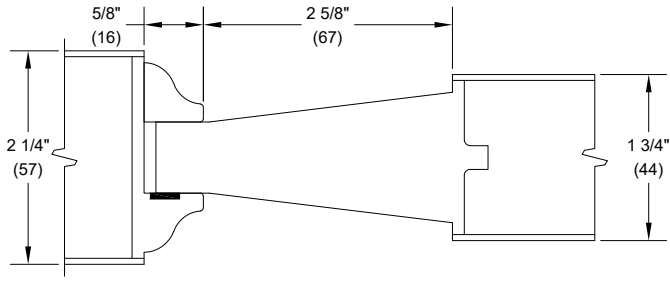
B- Scoop Bladder Pressed



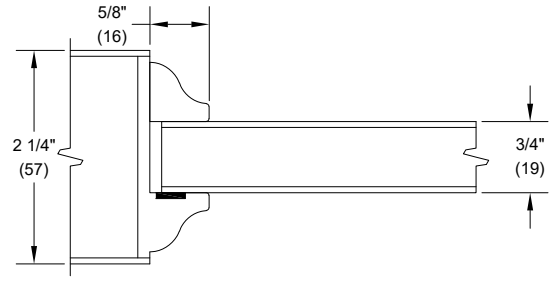
E - Senior Raised



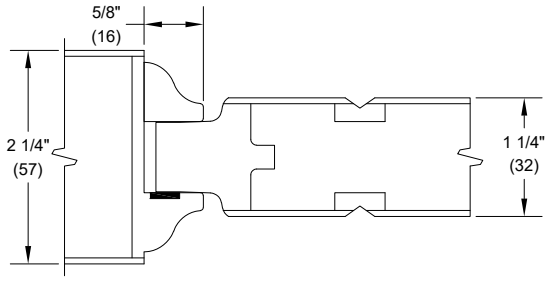
B- Scoop Rim Raised



F - Senior Bevel



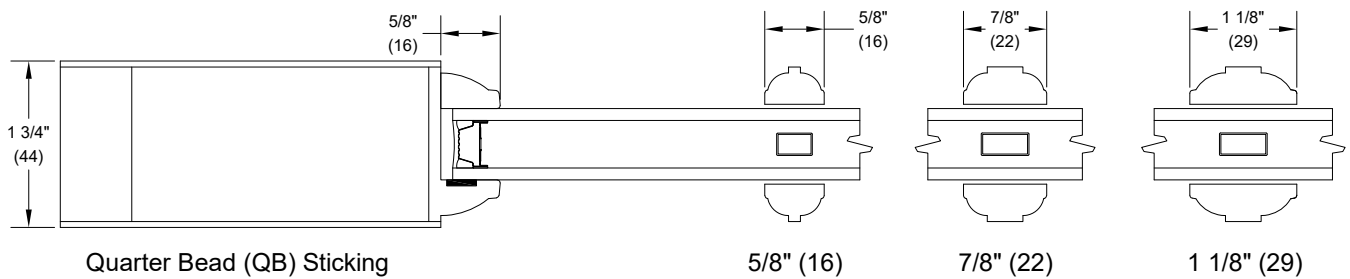
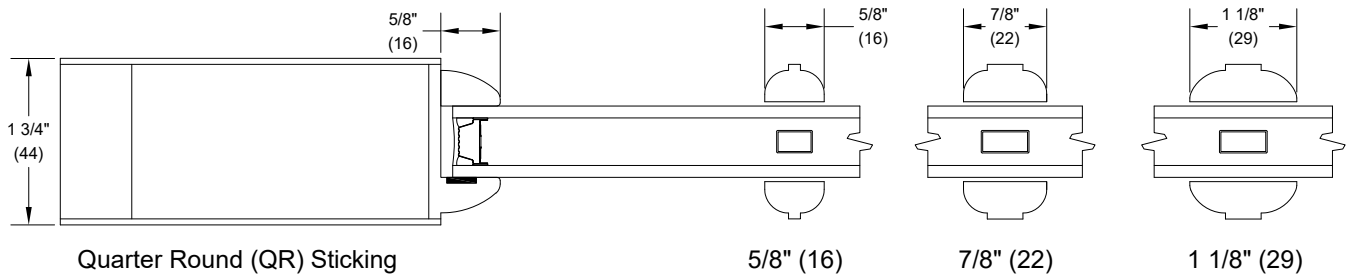
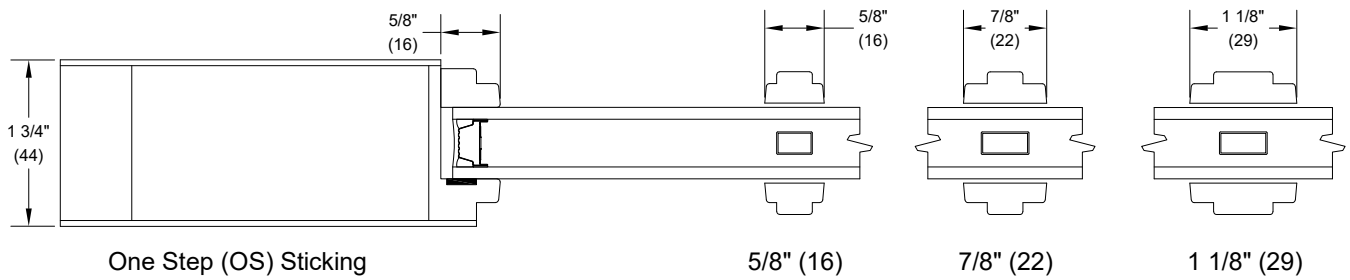
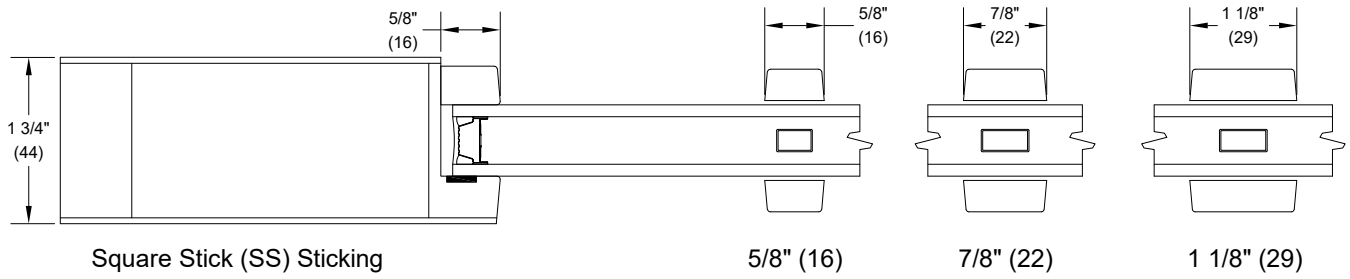
C - Flat



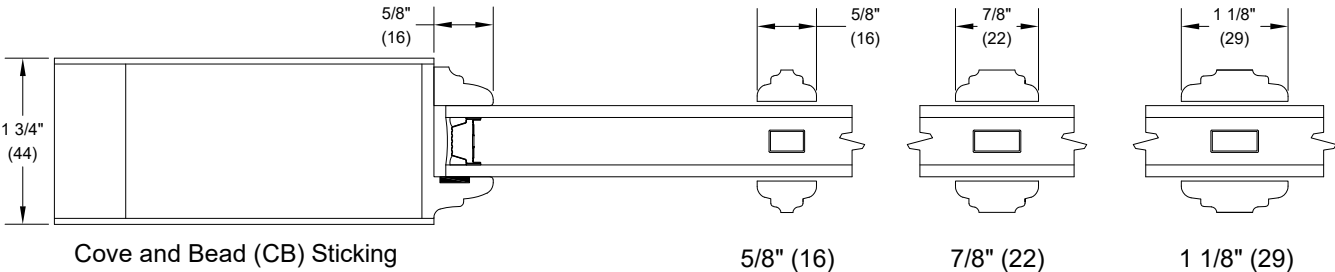
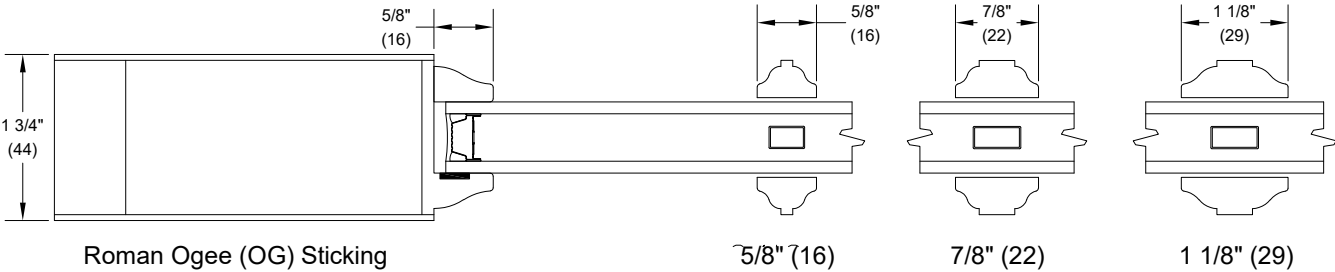
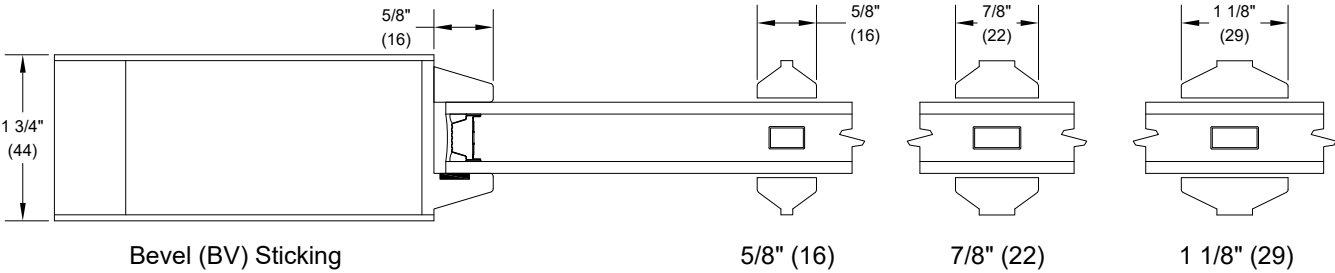
VG - V Groove

NOTE: ALL SHOWN WITH OG STICKING

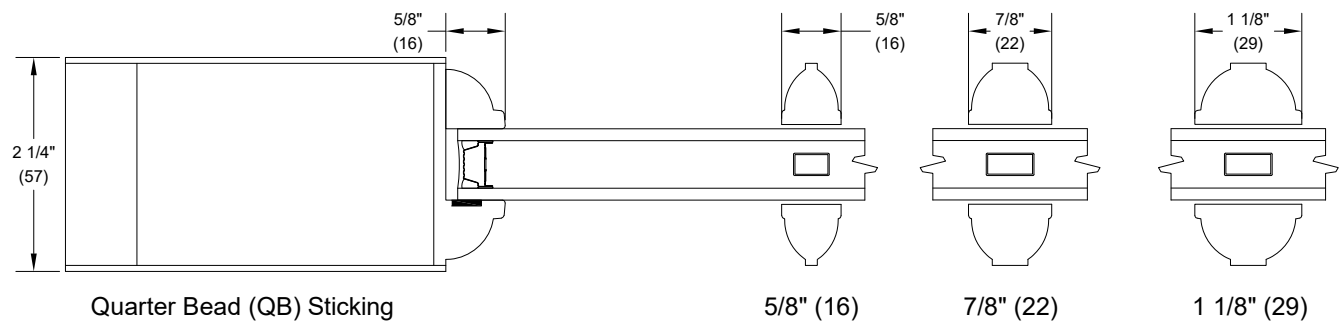
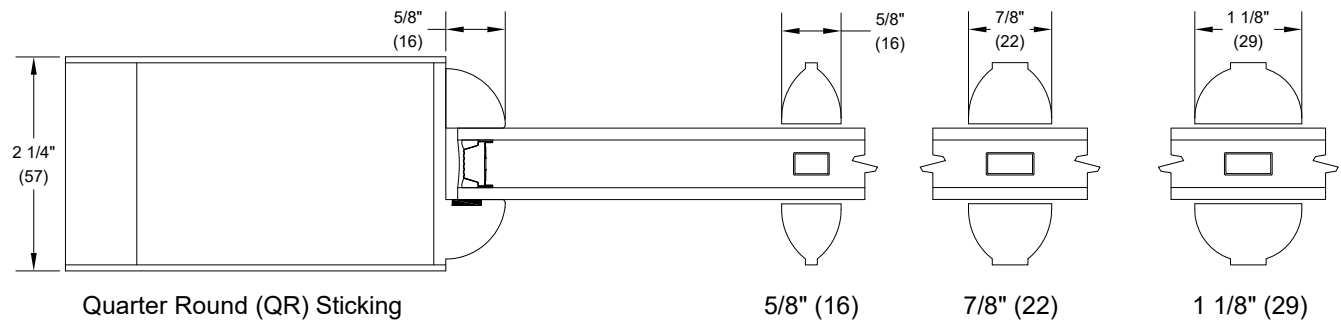
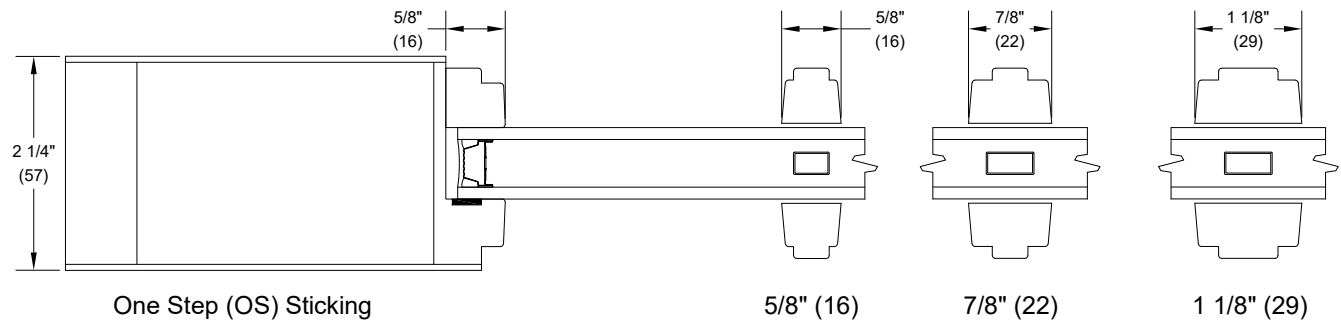
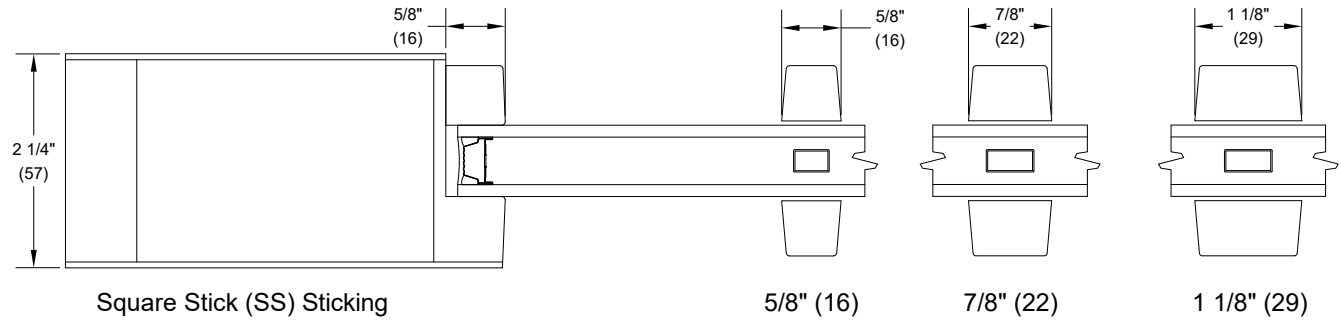
# SIMULATED DIVIDED LITES (SDL) OPTIONS - 1 3/4" DOOR



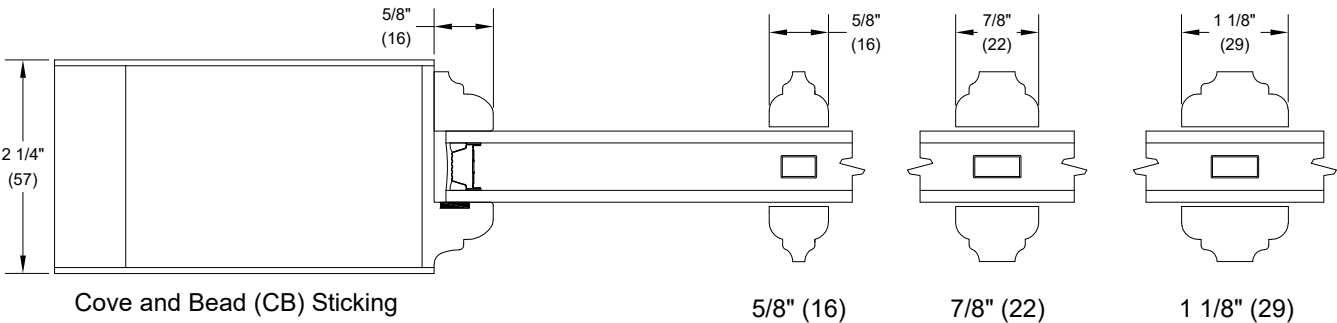
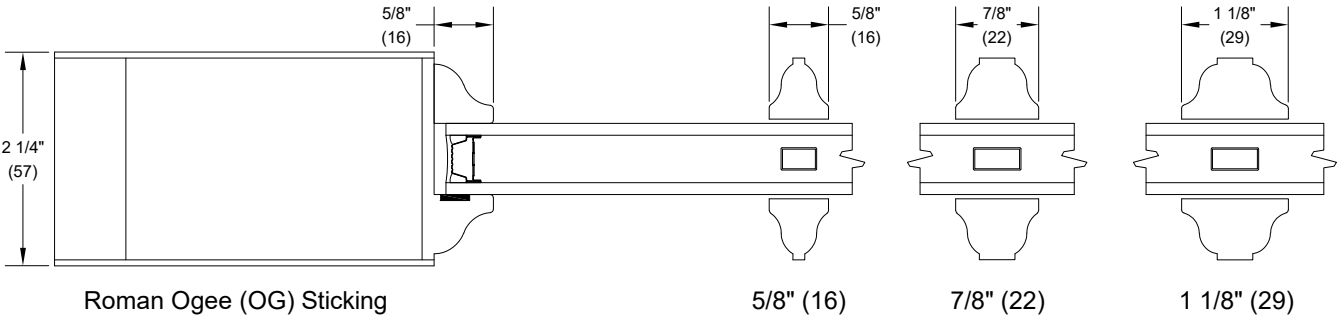
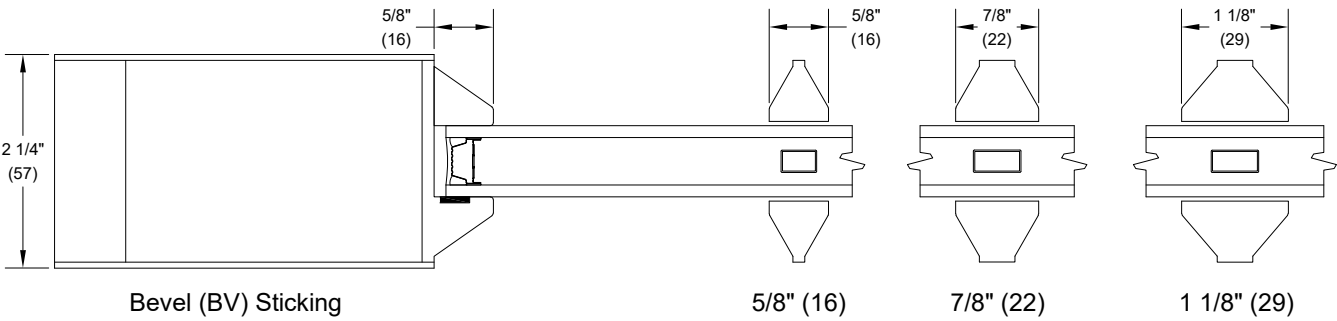
SIMULATED DIVIDED LITES (SDL) OPTIONS - 1 3/4" DOOR



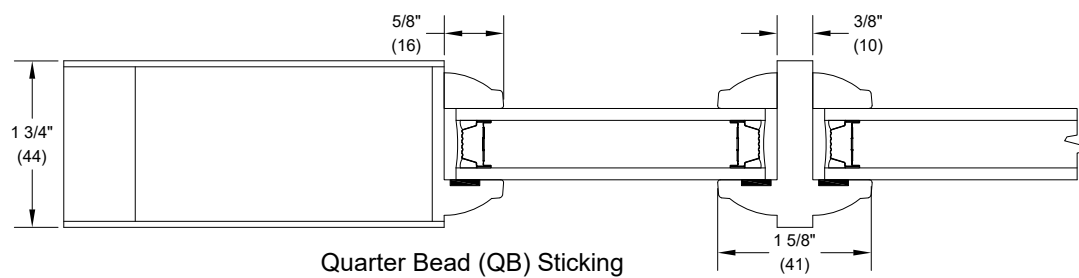
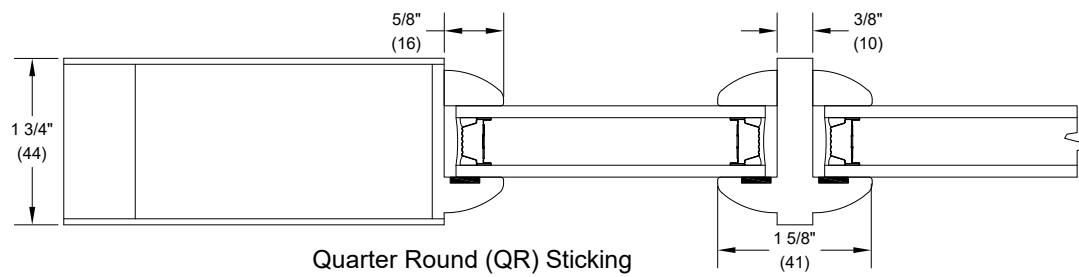
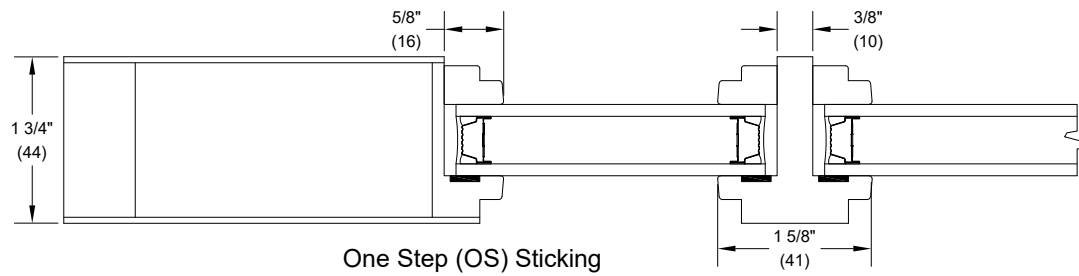
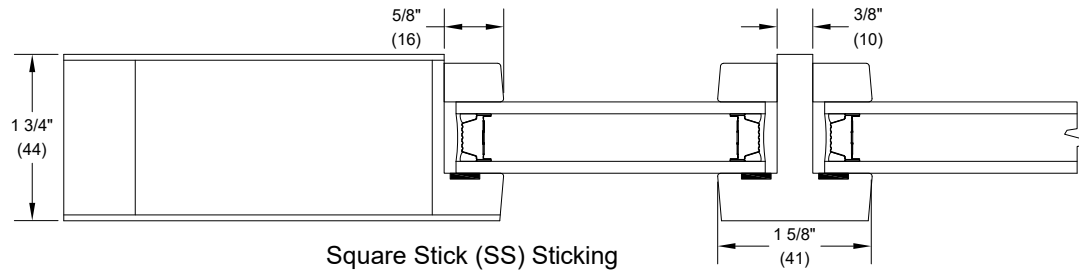
# SIMULATED DIVIDED LITES (SDL) OPTIONS - 2 1/4" DOOR



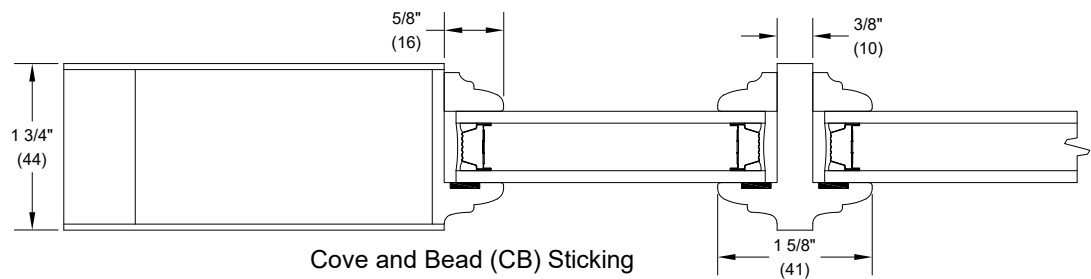
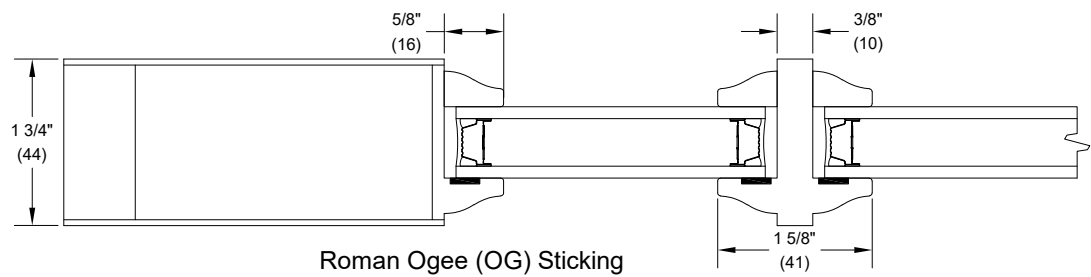
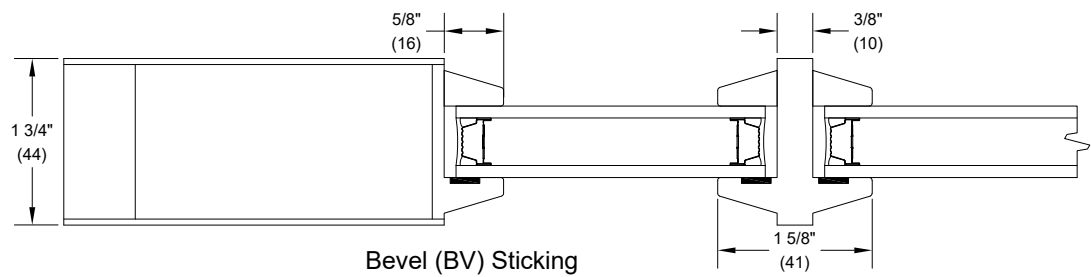
SIMULATED DIVIDED LITES (SDL) OPTIONS - 2 1/4" DOOR



**TRUE DIVIDED LITES (TDL) OPTIONS - 1 3/4" DOOR**

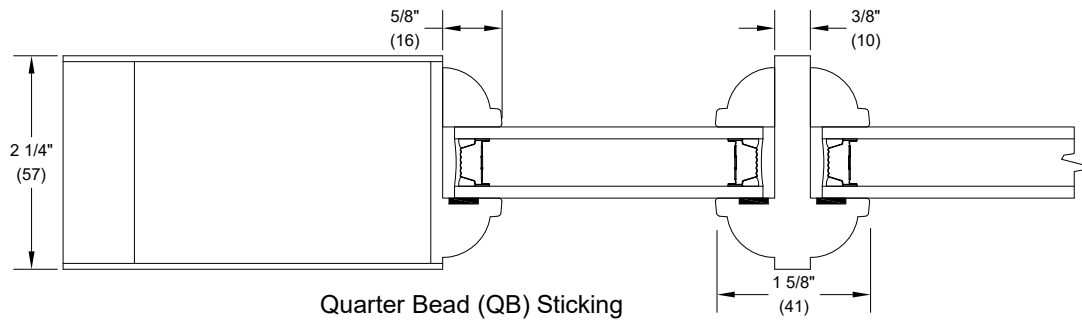
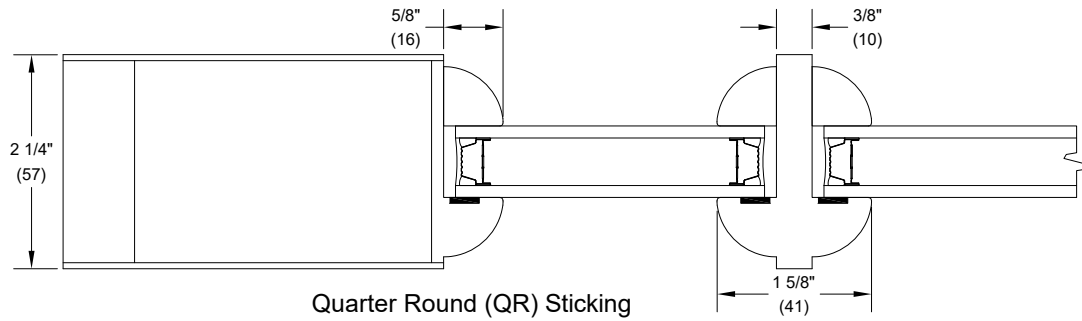
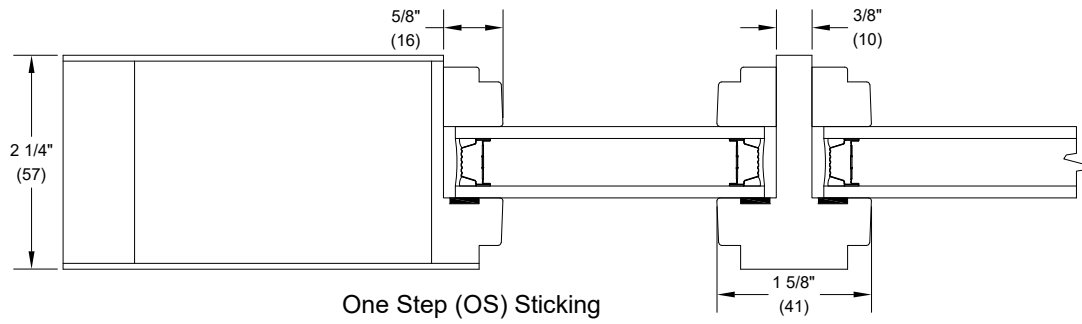
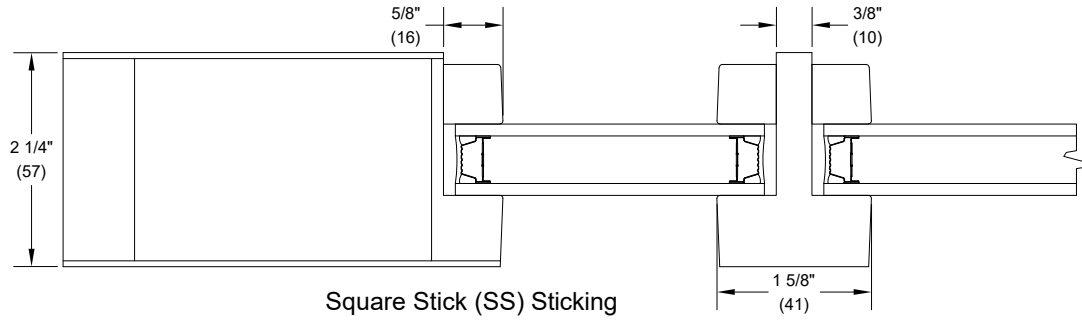


TRUE DIVIDED LITES (TDL) OPTIONS - 1 3/4" DOOR

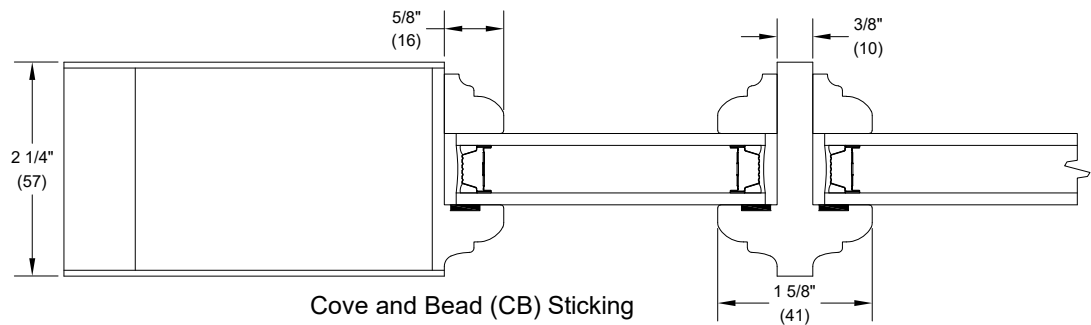
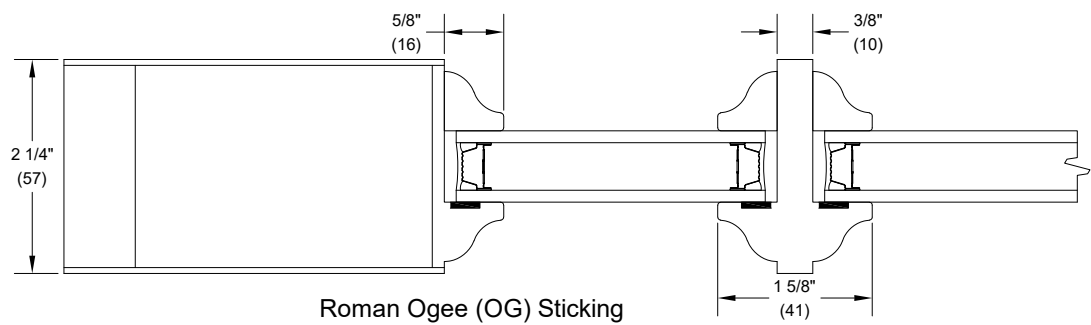
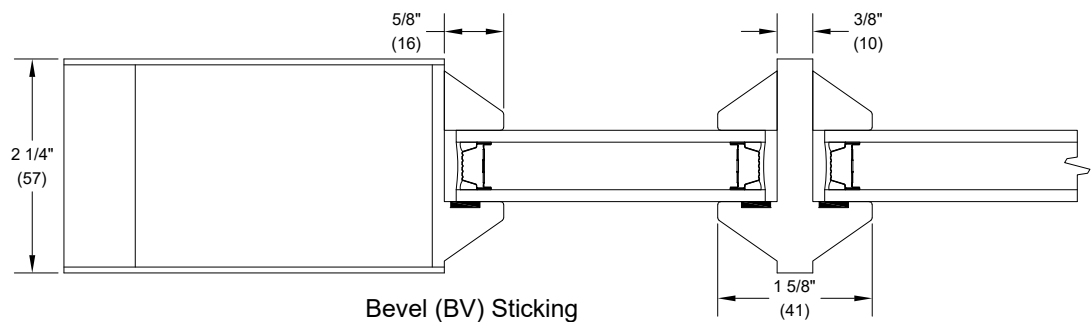




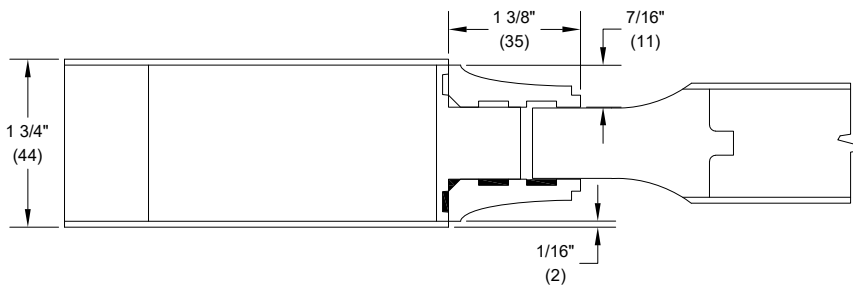
**TRUE DIVIDED LITES (TDL) OPTIONS - 2 1/4" DOOR**



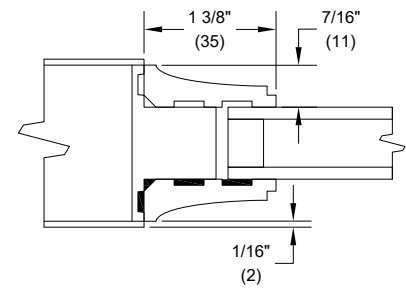
TRUE DIVIDED LITES (TDL) OPTIONS - 2 1/4" DOOR



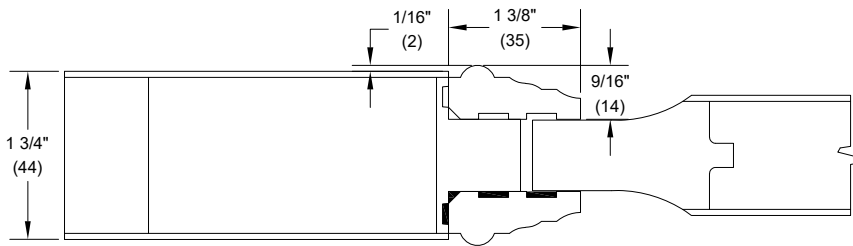
**EXTERIOR APPLIED MOULDING OPTIONS (1 3/4" DOOR OPTIONS)**



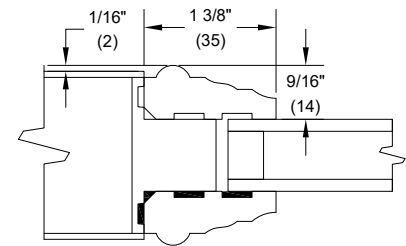
Cove Applied Moulding



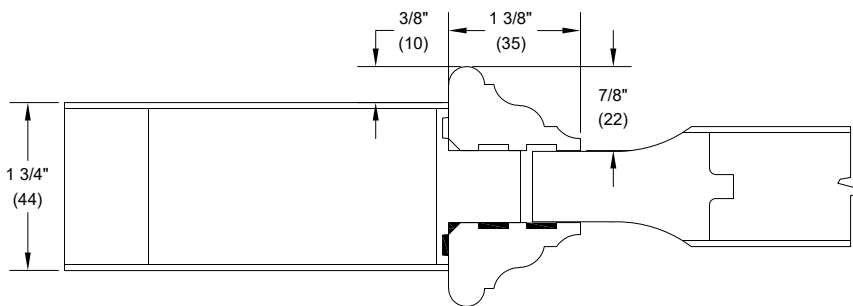
Cove Applied Moulding



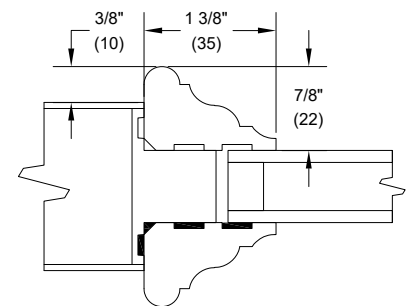
Low Profile Bolection Moulding (LP)



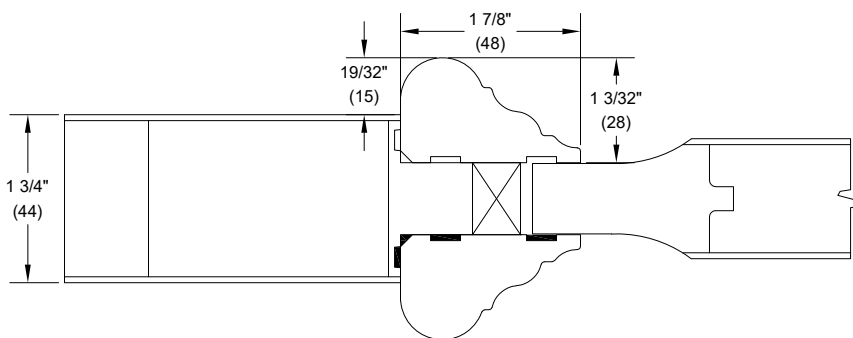
Low Profile Bolection Moulding (LP)



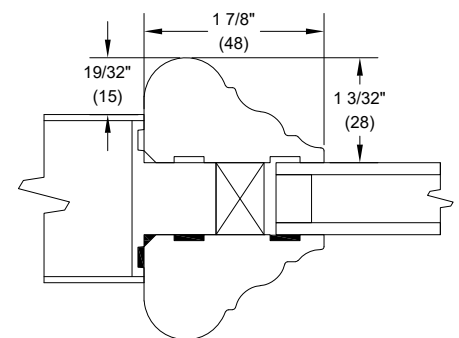
Bolection Moulding (BM)



Bolection Moulding (BM)



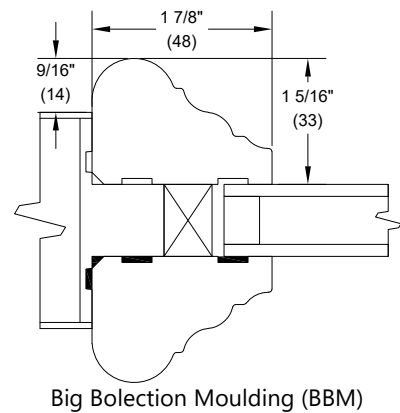
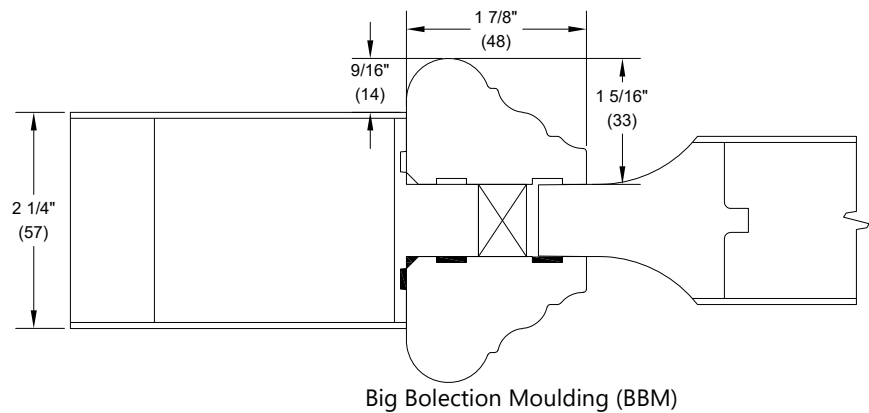
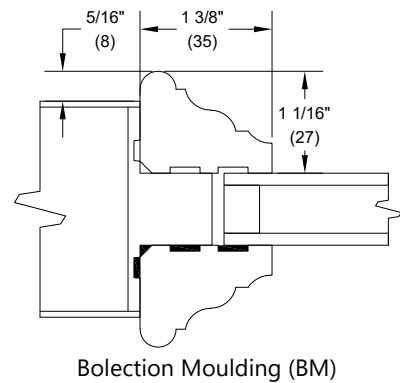
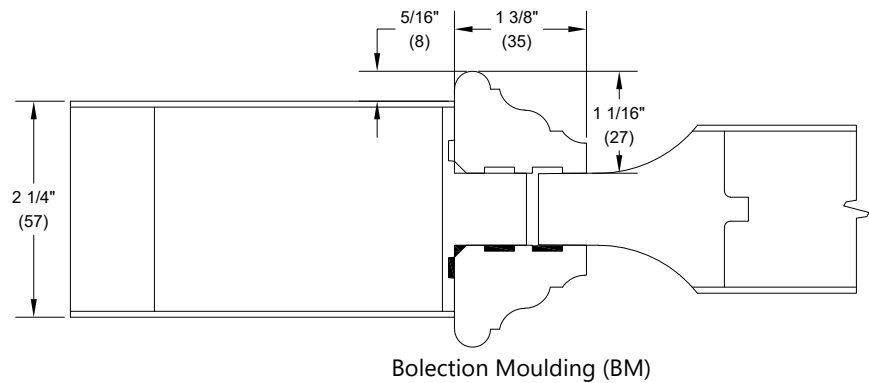
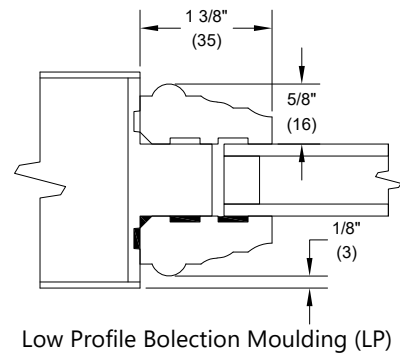
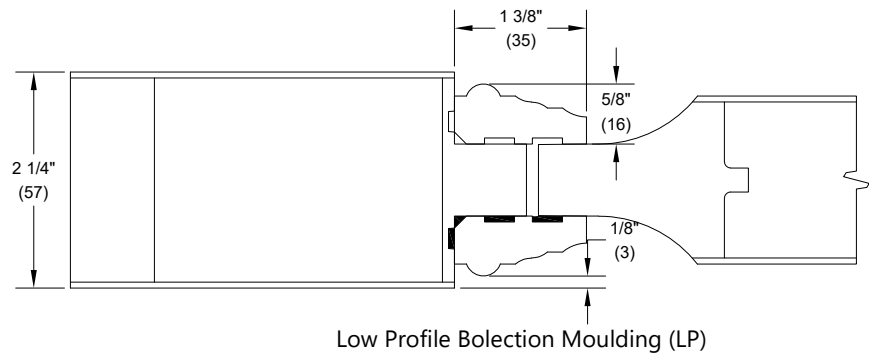
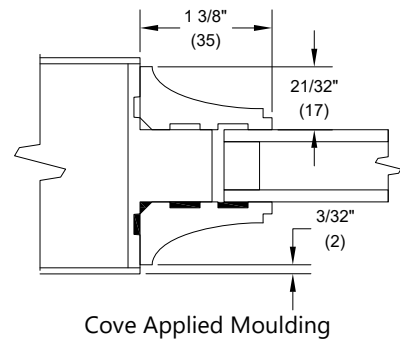
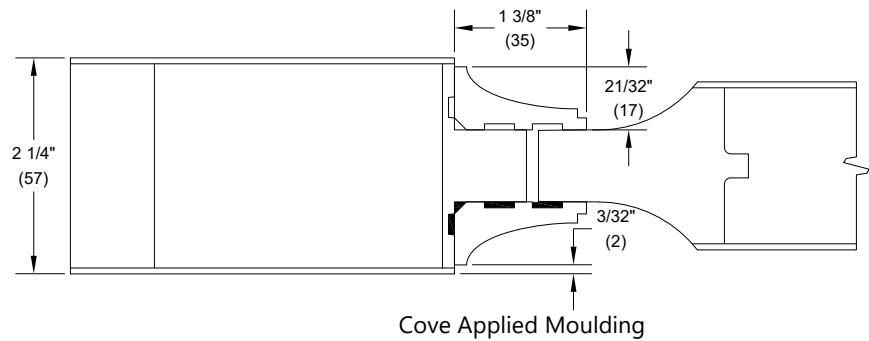
Big Bolection Moulding (BBM)



Big Bolection Moulding (BBM)

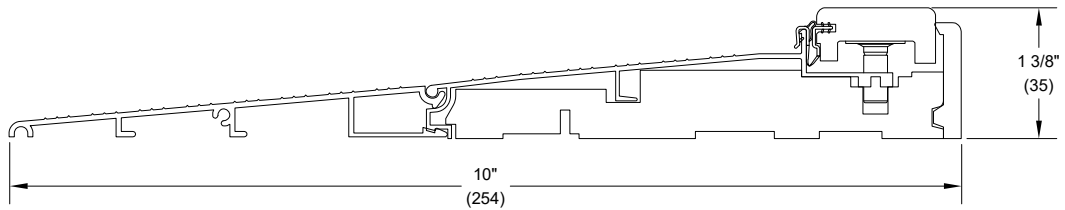
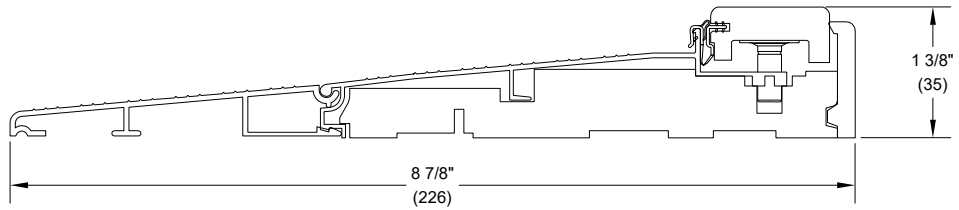
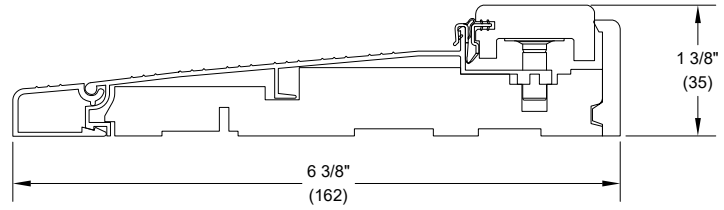
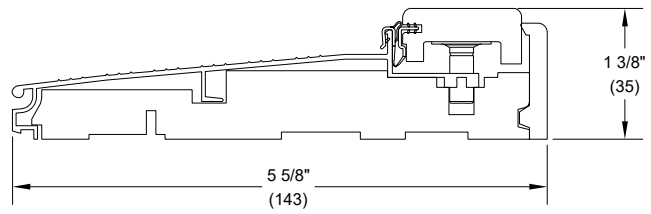
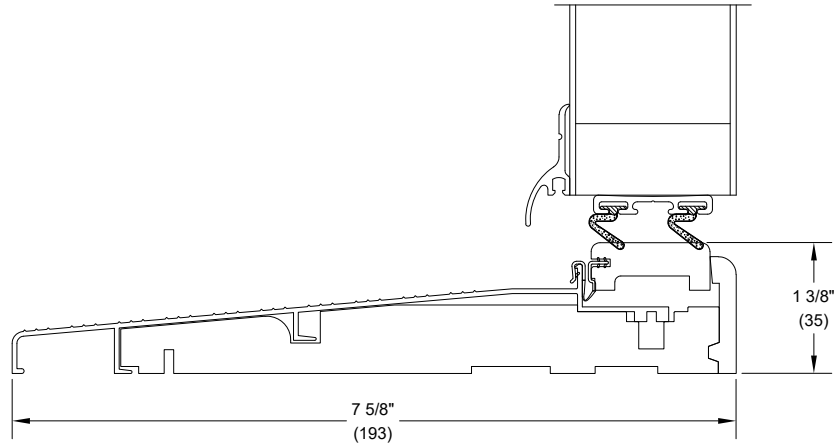
NOTE: ALL SHOWN WITH OG STICKING

EXTERIOR APPLIED MOULDING OPTIONS (2 1/4" DOOR OPTIONS)

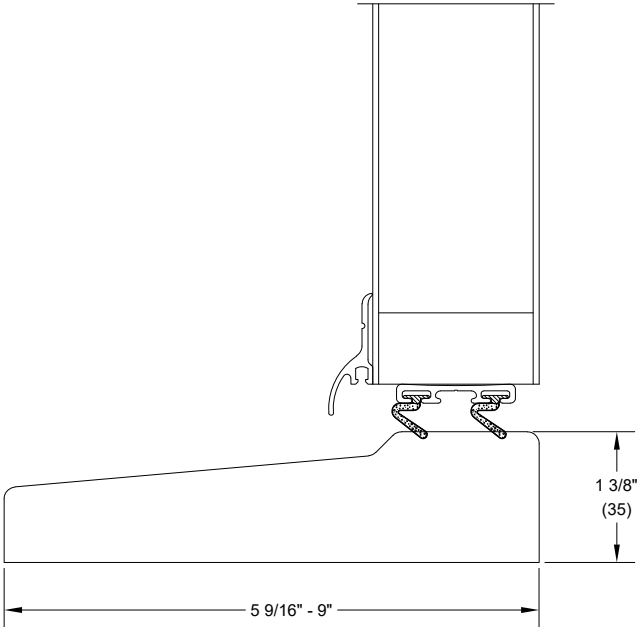


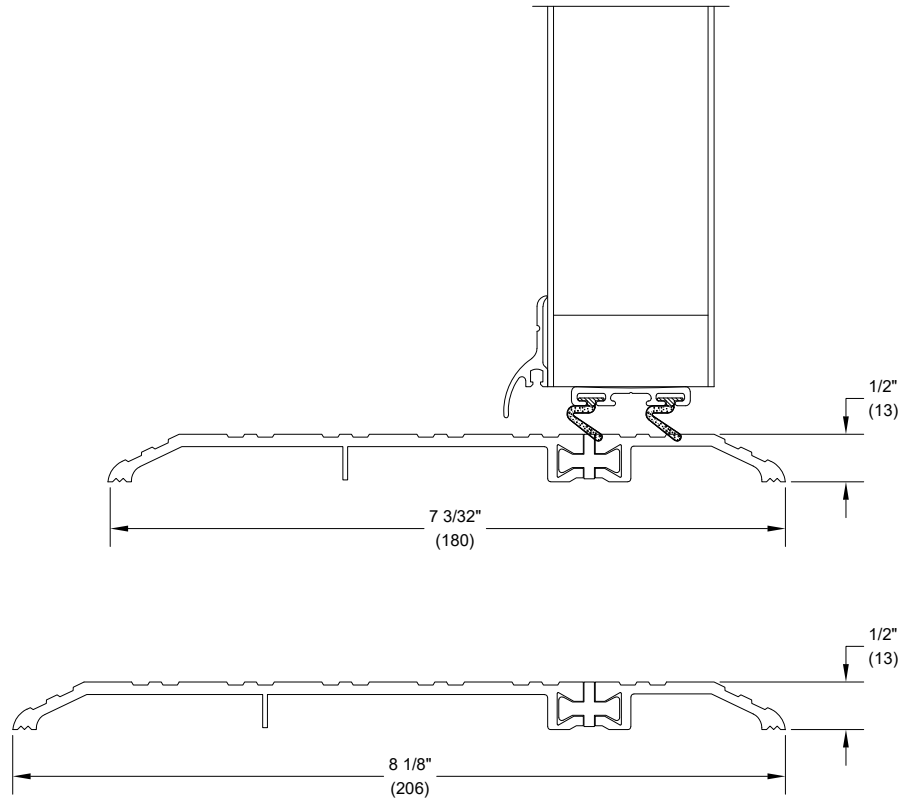
NOTE: ALL SHOWN WITH OG STICKING

## SILL OPTIONS - OAK ADJUSTABLE

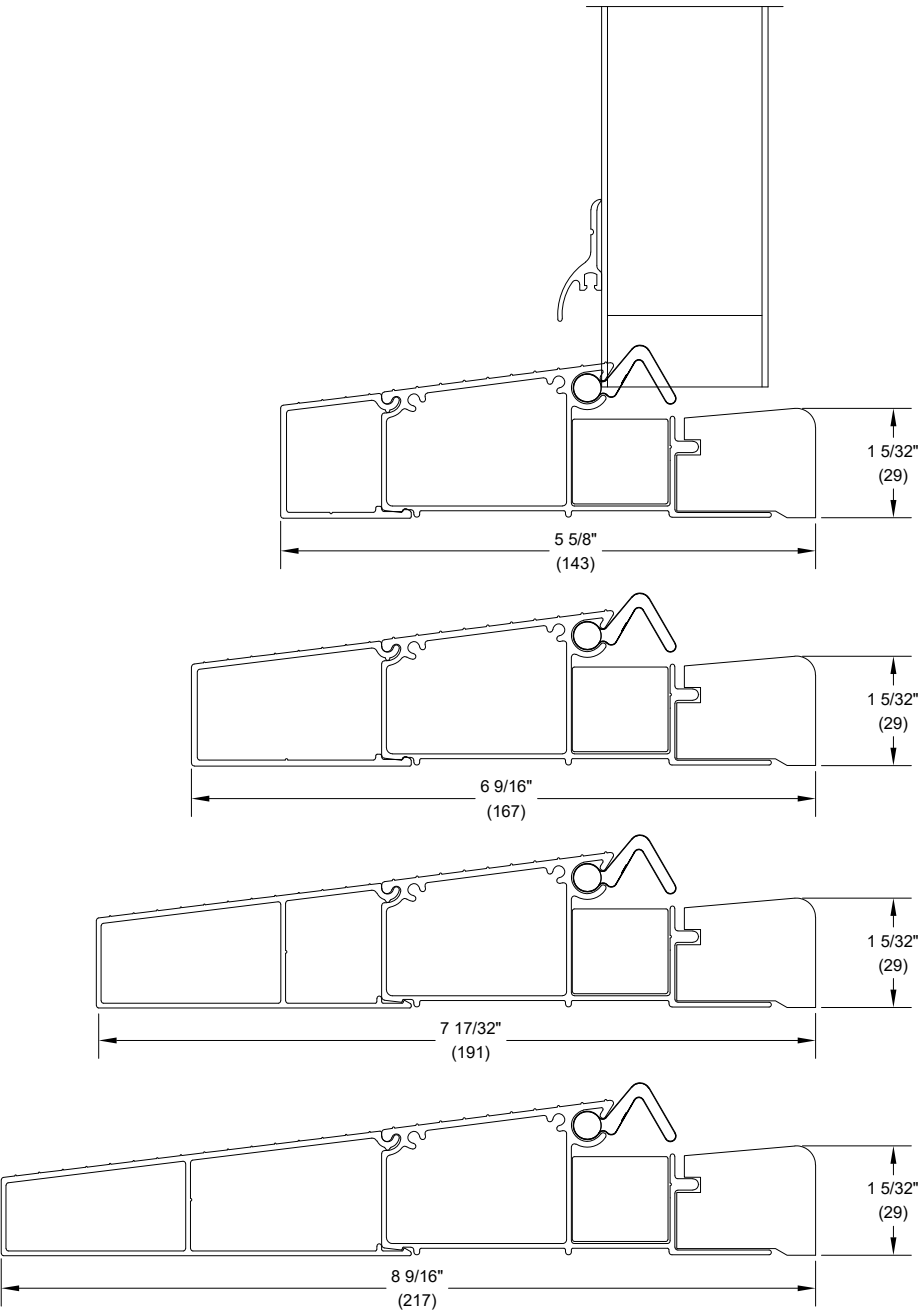


SILL OPTIONS - SOLID WOOD



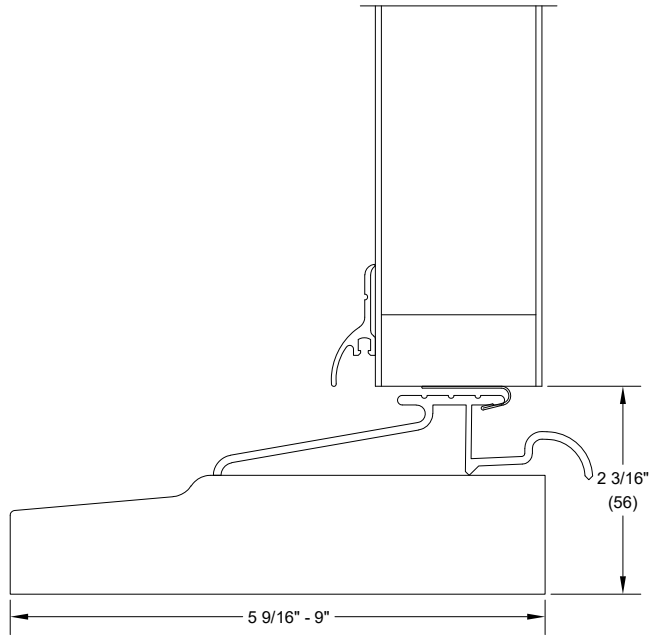


SILL OPTIONS - HYDROSILL

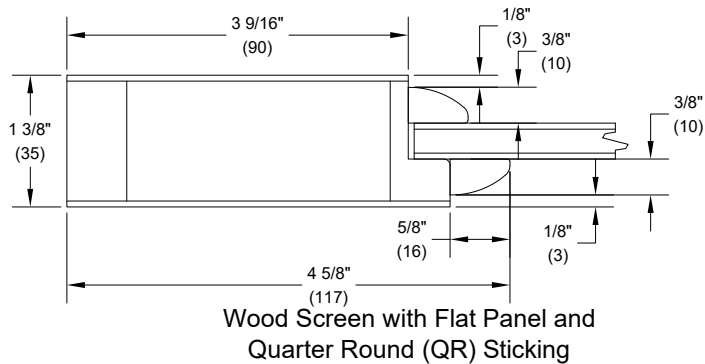
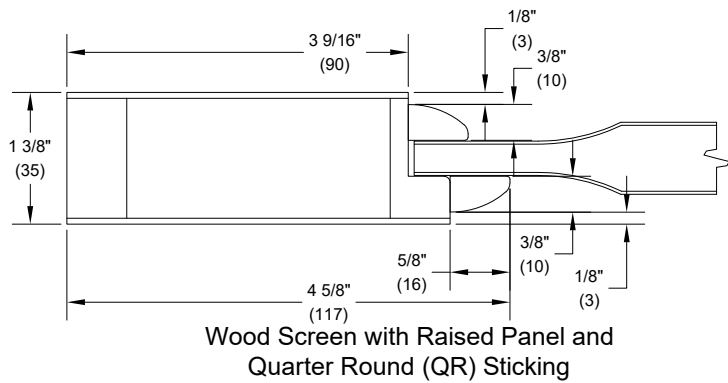
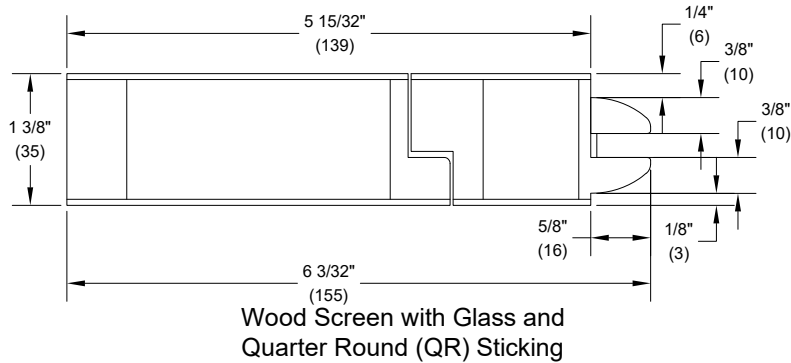
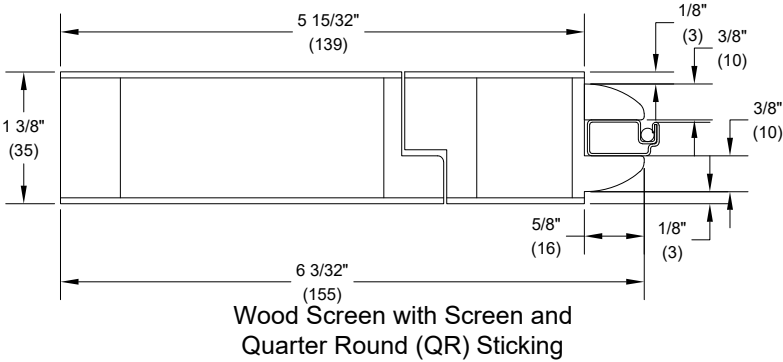




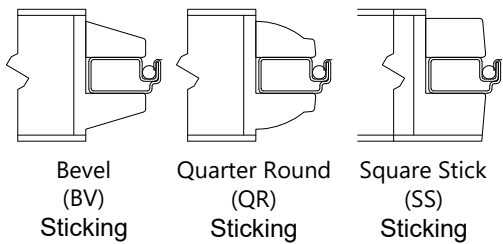
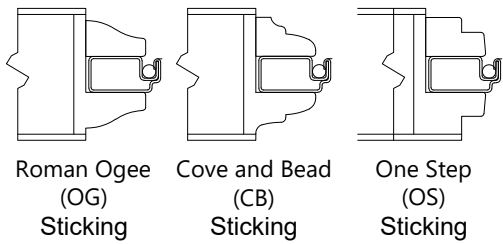
## SILL OPTIONS - SOLID WOOD AND BRONZE INTERLOCK



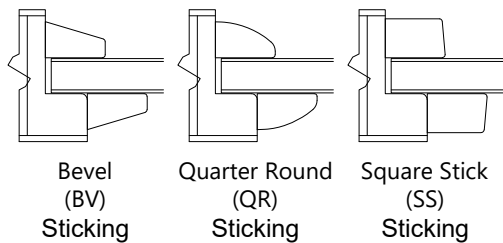
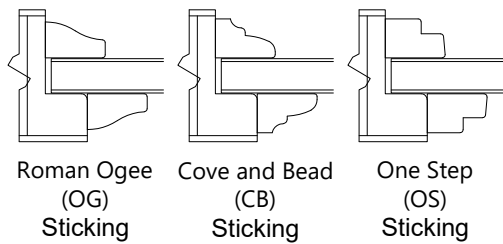
WOOD SWINGING SCREEN OPTIONS



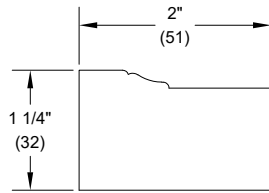
Sticking for Wood Screen with Screen and Glass



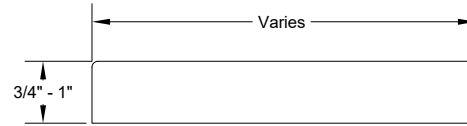
Sticking for Wood Screen with Raised Panel and Flat Panel



## Casings

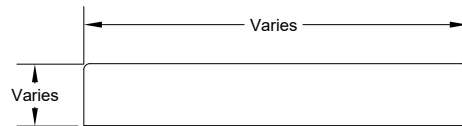


Brick Mould Casing



S4S Casing

## Mull Cover



Mull Cover

## Sash Stops



Square



Traditional



Metal Pemko 3452



Wood

## Door Bottom



Door Bottom

## Dentil Shelf Options

