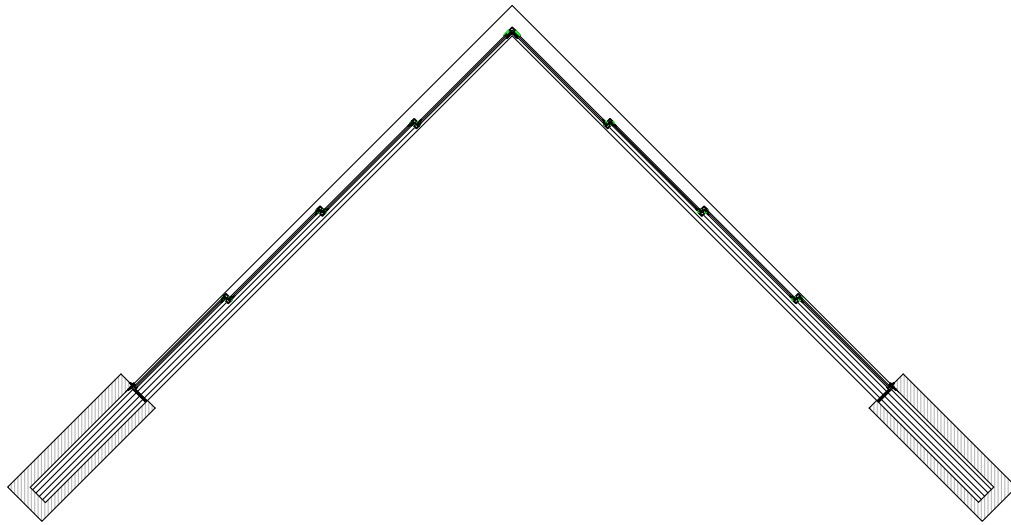
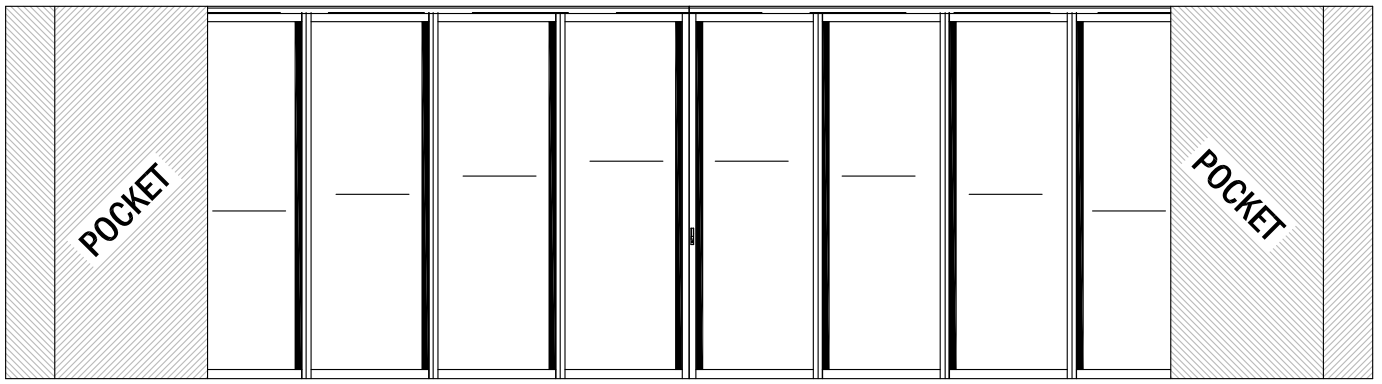


# Lift & Slide

S.85 Architectural



3415 BELLINGTON RD N. LAS VEGAS, NV 89030      PHONE: (702) 643-5700  
PANDA@PANDA-WINDOWS.COM      WWW.PANDA-WINDOWS.COM      FAX: (702) 643-5715

## CONTENTS

1. TECHNICAL DESCRIPTION
2. TYPOLOGY
3. VERTICAL SECTION
4. HORIZONTAL SECTION
5. RECESSED TRACK
6. RECESSED DRAINAGE TRACK
7.  $1\frac{1}{4}$ " TRACK
8.  $1\frac{1}{4}$ " DRAINAGE TRACK
9. HEADER TRACK
10. SIDE FRAME
11. PANEL INTERLOCK & TRUE DIVIDER
12. CENTER MEETING STILE
13. POCKET INTERLOCK
14. CORNER POST

# TECHNICAL DESCRIPTION

The S. 85 is a slim profile Lift and Slide door system providing strength and durability associated with Lift & Slide systems. The S. 85 offers versatility to be used in a wide array of different types of projects including custom residential, high-rise condos, luxury hotels, resorts, and restaurants. With the slimmest profile on the market among Lift & Slide products this door system provides a superior view by maximizing the glass to frame ratio. The stile width is 40 percent smaller than the typical Lift & Slide door thus making this the premier option for sleek architectural designs where a contemporary appeal is desired.

## Profiles:

Specially Designed profiles are used in this system to provide maximum durability while providing a subtle visual divide. The profiles are made using high tensile 6063-T5 aluminum extrusions for superior strength. The stile sizes are as follows: the Interlocking stile is  $2\frac{3}{4}$ " wide and 2" thick, The locking stile is  $2\frac{3}{4}$ " wide and 2" thick and the bottom rail is  $3\frac{3}{4}$ " wide and 2" thick.

## Tracks:

All of the standard Lift & Slide tracks are to be used with this door system as well. The options include recessed tracks in 2 different sizes that can be either with or without drainage. Drainage track is always recommended by Panda unless the project is in a dry climate where a 4' or larger over hang is present to shield the opening. For retro fit applications the surface mount track may be used and for wood sub floors there is a recessed track that requires half the depth of a standard recessed track.

## Accessories:

Quality EPDM rubber gaskets and dense felt brushes are used to provide superior performance in virtually any climate. Optional stainless steel screws and bolts are available for coastal regions where excessive corrosion is a concern. The standard finish is Powder coat which has been salt spray tested and can be custom color matched to any color the client desires. Other finishes available are Anodizing and Kynar.

## Glazing:

Standard glazing for this system is Clear LoE Tempered  $1\frac{3}{8}$ " insulated glass. A minimum of  $\frac{1}{4}$ " single pane glass to a maximum  $1\frac{1}{2}$ " hurricane rated insulated glass may be used. A unique option in this system is  $1\frac{1}{2}$ " insulated glass with automated blinds between the glass. Other options include frosted or tinted glass, argon or krypton fill, and SDLs or TDLs may also be integrated for a custom look.

## Sizes:

S. 85 series door panels are custom made to order to the exact size needed for the opening. Panels may be made in excess of 70 square feet. Smaller sized panels to be used in window or pass through configurations are also available. The maximum height for the door system is 13 feet and the maximum width is 6 feet.

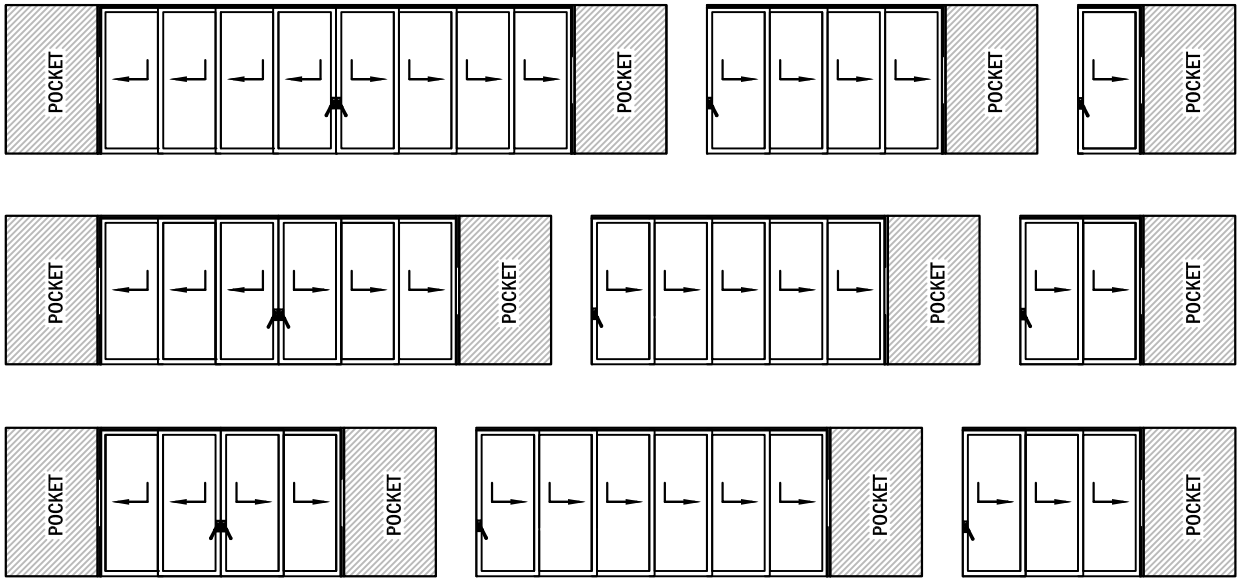
## Weight:

Each panel weighs approximately 7 to 8 pounds per square foot.

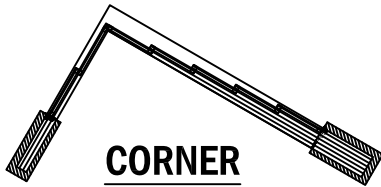


# CONFIGURATIONS WITH POCKETS

# MOST COMMON CONFIGURATIONS



(SYSTEM CAN POCKET LEFT OR RIGHT)

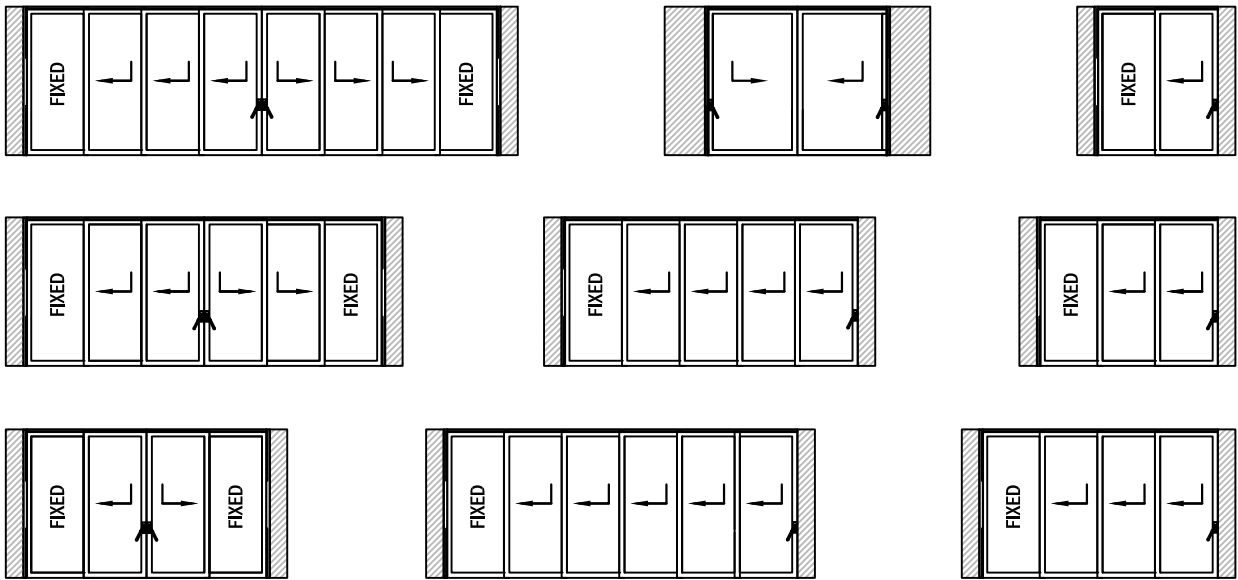


**CORNER**

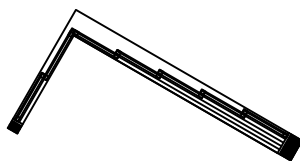


**STRAIGHT**

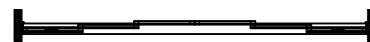
# CONFIGURATIONS WITHOUT POCKETS



(SYSTEM CAN STACK LEFT AND/OR RIGHT)



**CORNER**



**STRAIGHT**

HEADER FRAMING

TOP PANEL RAIL

9 HEADER TRACK

EXTERIOR

INTERIOR

TRUE DIVIDER

11

BOTTOM PANEL RAIL

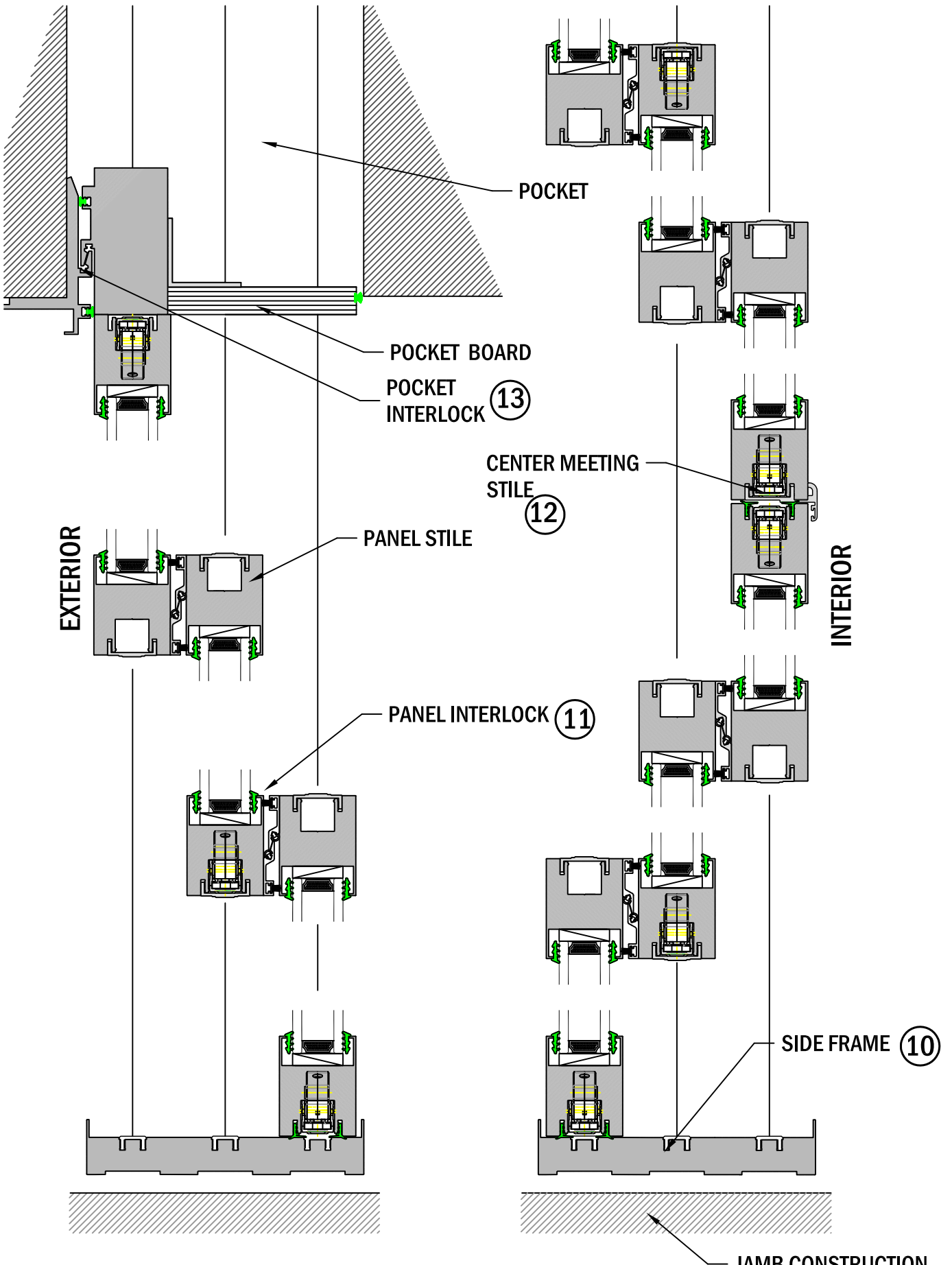
7 1 1/4" TRACK

8 1 1/4" DRAINAGE TRACK

5 RECESSED TRACK

6 RECESSED DRAINAGE TRACK

 **VERTICAL SECTION**  
S.85 LIFT & SLIDE | 3



**HORIZONTAL SECT.**

S.85 LIFT & SLIDE | 4

MINIMUM TRENCH DEPTH =  $2\frac{1}{2}$ " - F.F. THICKNESS

FOR MIN. DEPTH INSTALLATION SUB-FLOOR MUST BE SMOOTH & LEVEL

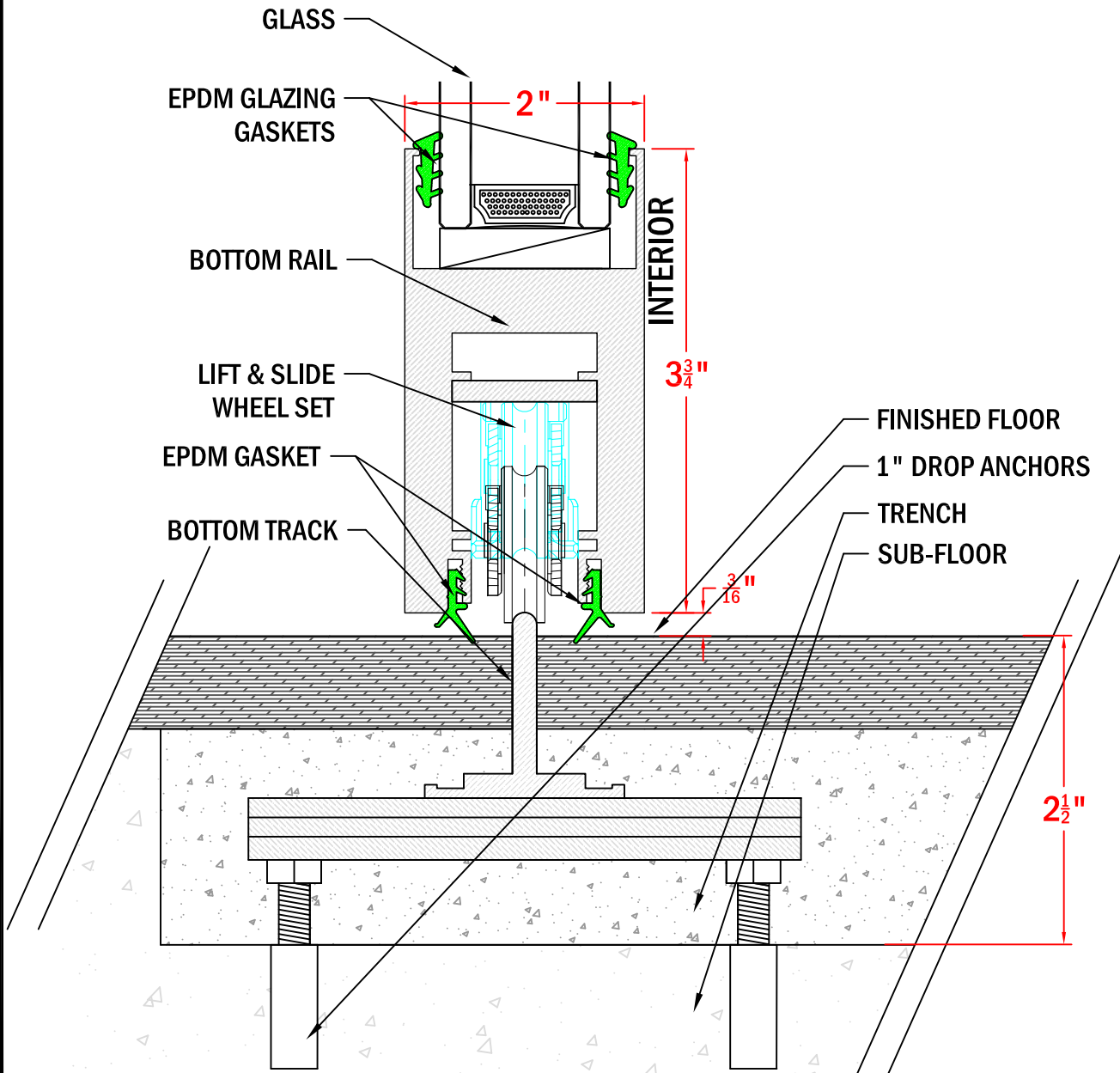
RECOMMENDED TRENCH WIDTHS:

1 TRACK	4"
2 TRACK	$6\frac{1}{2}$ "
3 TRACK	9"
4 TRACK	$11\frac{1}{2}$ "

STANDARD GLASS  $\frac{1}{4}$ " X  $\frac{7}{8}$ " X  $\frac{1}{4}$ "  
CLEAR LOW-E TEMPERED IG

GLASS THICKNESS

MIN.  $\frac{1}{4}$ " - MAX.  $1\frac{1}{2}$ "



**MINIMUM TRENCH DEPTH =  $2\frac{1}{2}$ " - F.F. THICKNESS**

FOR MIN. DEPTH INSTALLATION SUB-FLOOR MUST BE SMOOTH & LEVEL

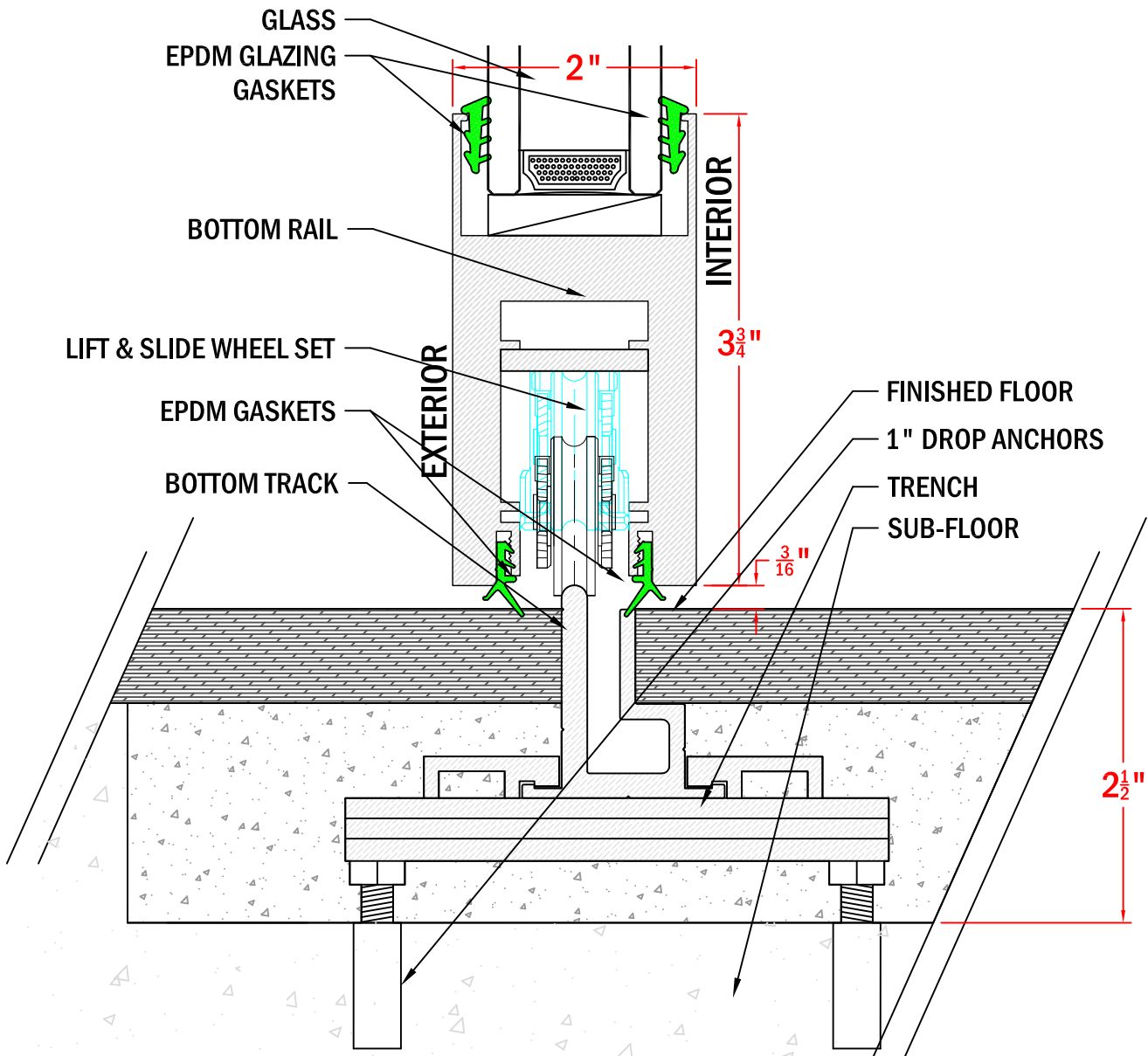
**RECOMMENDED TRENCH WIDTHS:**

1 TRACK	4"
2 TRACK	$6\frac{1}{2}$ "
3 TRACK	9"
4 TRACK	$11\frac{1}{2}$ "

**STANDARD GLASS  $\frac{1}{4}$  X  $\frac{7}{8}$  X  $\frac{1}{4}$**   
**CLEAR LOW-E TEMPERED IG**

GLASS THICKNESS

MIN.  $\frac{1}{4}$ " - MAX.  $1\frac{1}{2}$ "



**TRENCH DEPTH (MIN.)**

(=  $1\frac{1}{4}$ " -F.F. THICKNESS)

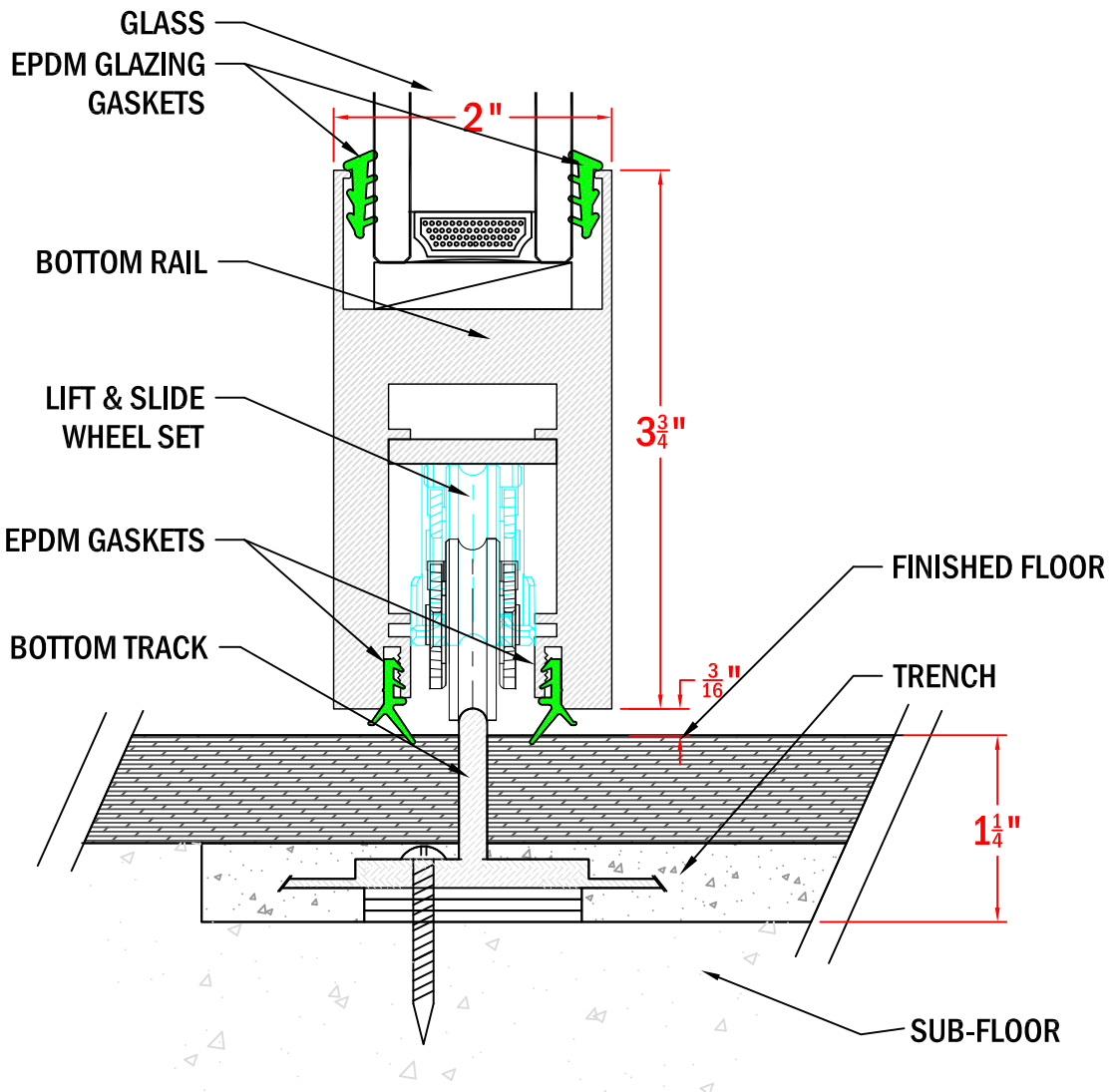
FOR MIN. DEPTH INSTALLATION  
SUB-FLOOR MUST BE SMOOTH & LEVEL

**TRENCH WIDTH (RECOMMENDED)**

1 TRACK	$2\frac{1}{2}$ "
2 TRACK	5"
3 TRACK	$7\frac{1}{2}$ "
4 TRACK	10"

STANDARD GLASS  $\frac{1}{4} \times \frac{7}{8} \times \frac{1}{4}$   
CLEAR LOW-E TEMPERED IG

GLASS THICKNESS  
MIN.  $\frac{1}{4}$ " - MAX.  $1\frac{1}{2}$ "



	<b>1 1/4" TRACK</b>
	S.85 LIFT & SLIDE   7

**TRENCH DEPTH (MIN.)**

(= 1 1/4" -F.F. THICKNESS)

FOR MIN. DEPTH INSTALLATION  
SUB-FLOOR MUST BE SMOOTH & LEVEL

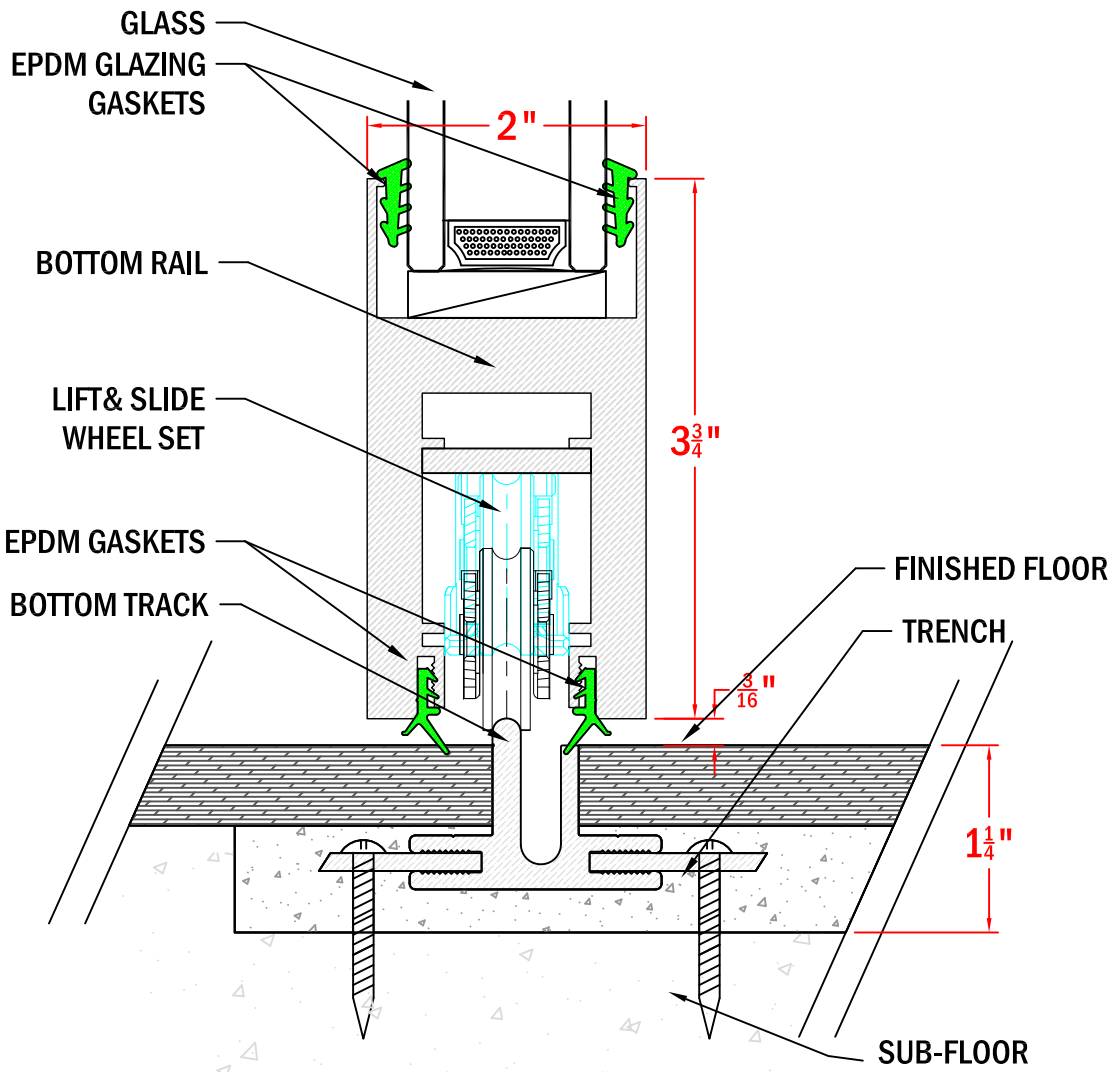
**TRENCH WIDTH (RECOMMENDED)**

1 TRACK	2 1/2"
2 TRACK	5"
3 TRACK	7 1/2"
4 TRACK	10"

STANDARD GLASS 1/4 X 7/8 X 1/4  
CLEAR LOW-E TEMPERED IG

GLASS THICKNESS

MIN. 1/4" - MAX. 1 1/2"



## SHIM SPACE

APPROX.  $\frac{1}{2}$ " DEPENDING ON TYPE OF  
BOTTOM TRACK & TYPE OF SILL FINISH

## HEADER TRACK WIDTHS (APPROX)

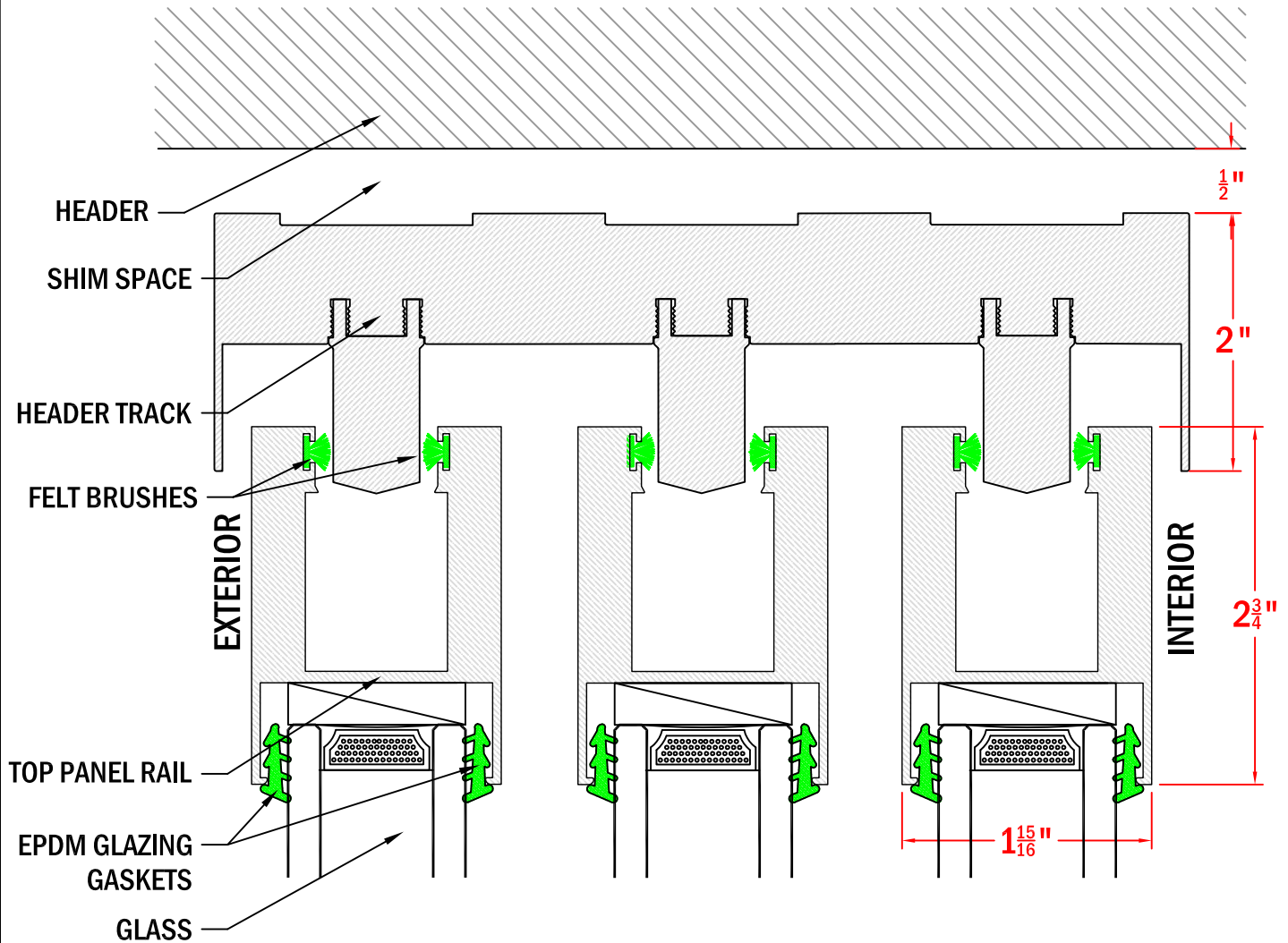
$2\frac{1}{2}$ " PER TRACK

(TYPE OF BOTTOM TRACK SHOULD BE  
TAKEN INTO ACCOUNT WHEN PLANNING  
ROUGH HEADER CONSTRUCTION)

STANDARD GLASS  $\frac{1}{4} \times \frac{7}{8} \times \frac{1}{4}$   
CLEAR LOW-E TEMPERED IG

GLASS THICKNESS

MIN.  $\frac{1}{4}$ " - MAX.  $1\frac{1}{2}$ "



HEADER TRACK

S.85 LIFT & SLIDE | 9

**SHIM SPACE**

APPROX.  $\frac{1}{2}$ "

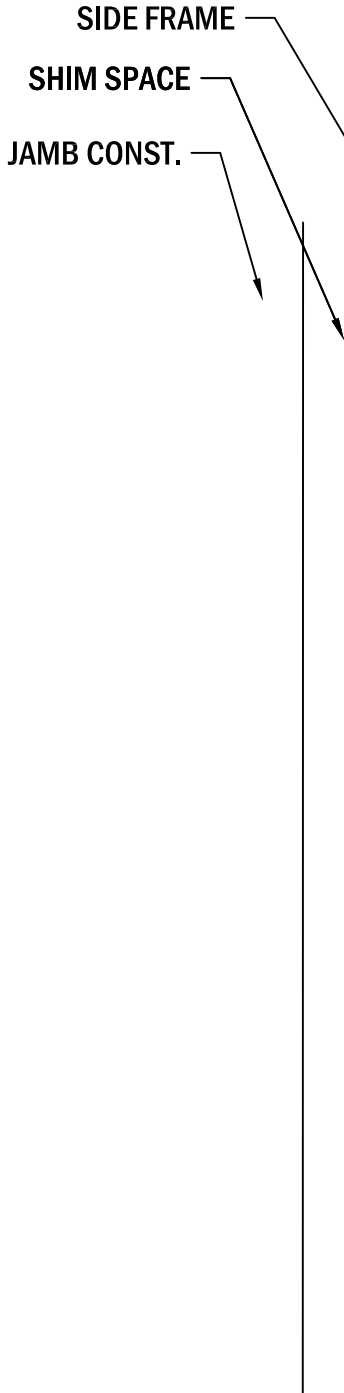
**SIDE FRAME WIDTHS (APPROX)**

$2\frac{1}{2}$ " PER TRACK

(TYPE OF BOTTOM TRACK SHOULD BE  
TAKEN INTO ACCOUNT WHEN PLANNING  
SIDE JAMB CONSTRUCTION)

STANDARD GLASS  $\frac{1}{4}$ " X  $\frac{7}{8}$ " X  $\frac{1}{4}$ "  
CLEAR LOW-E TEMPERED IG

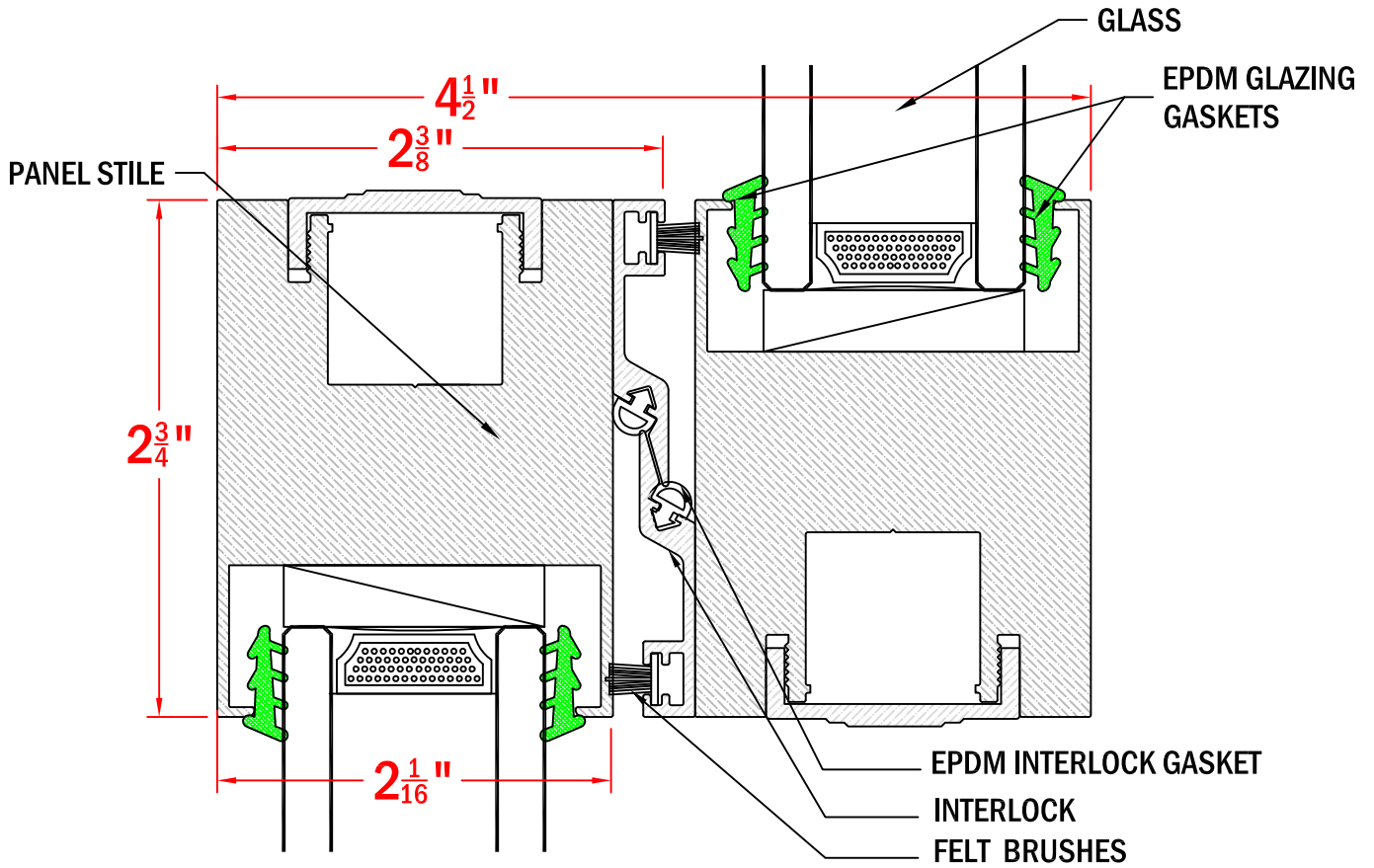
GLASS THICKNESS  
MIN.  $\frac{1}{4}$ " - MAX.  $1\frac{1}{2}$ "



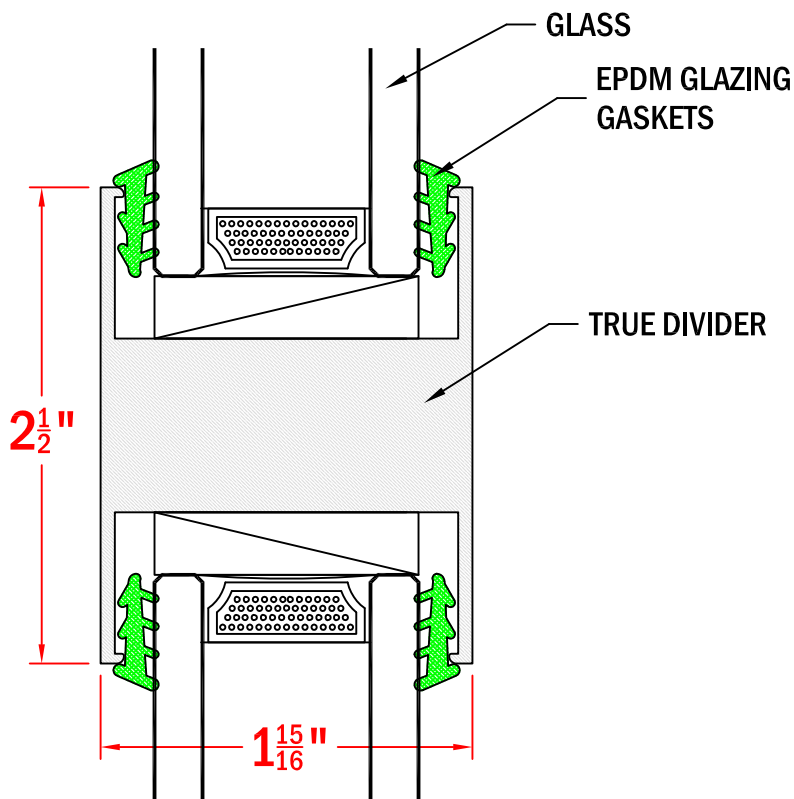
EPDM GASKETS

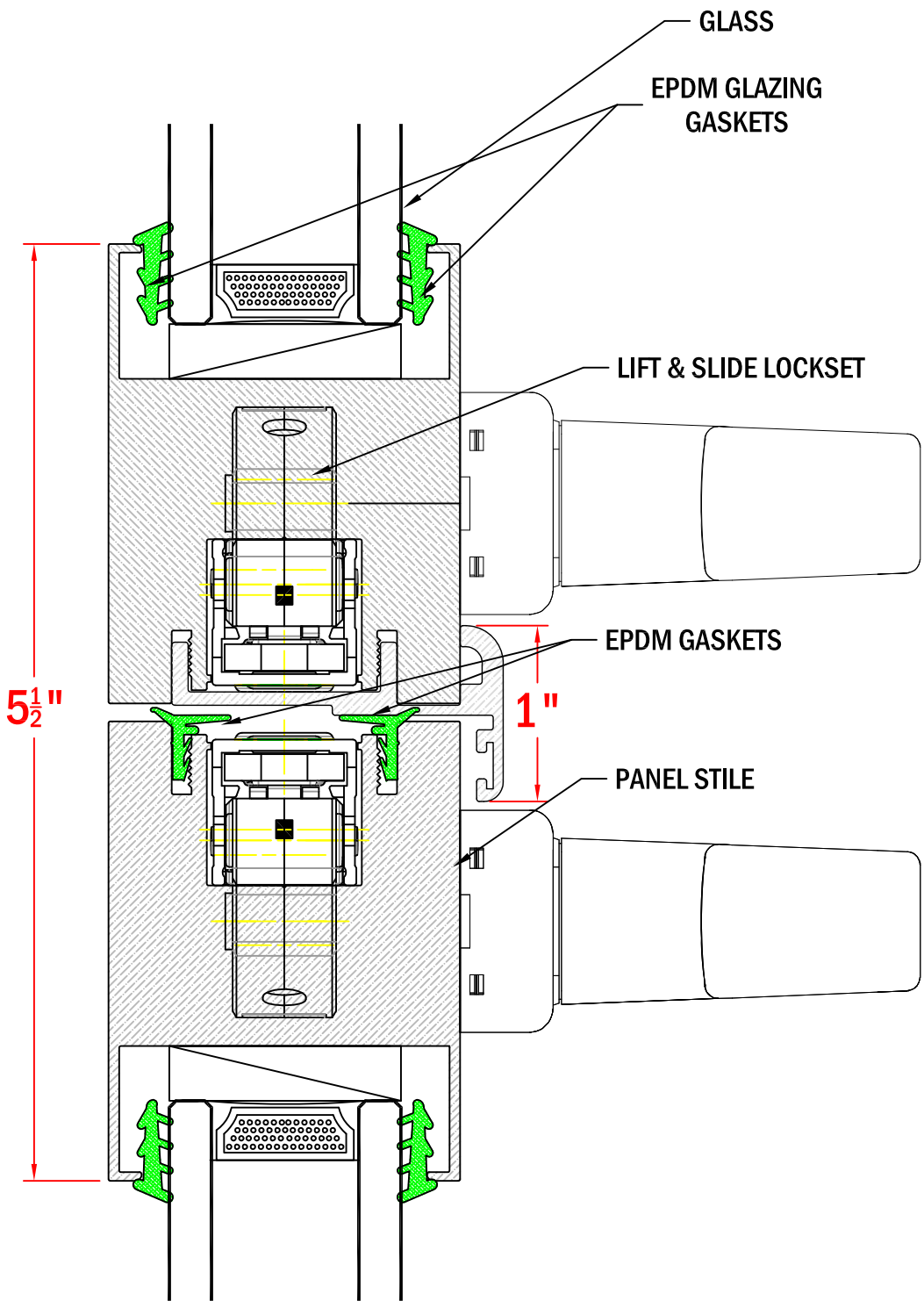
LIFT & SLIDE LOCKSET

EPDM GLAZING GASKETS



STANDARD GLASS  $\frac{1}{4} \times \frac{7}{8} \times \frac{1}{4}$   
 CLEAR LOW-E TEMPERED IG  
 GLASS THICKNESS  
 MIN.  $\frac{1}{4}''$  - MAX.  $1\frac{1}{2}''$





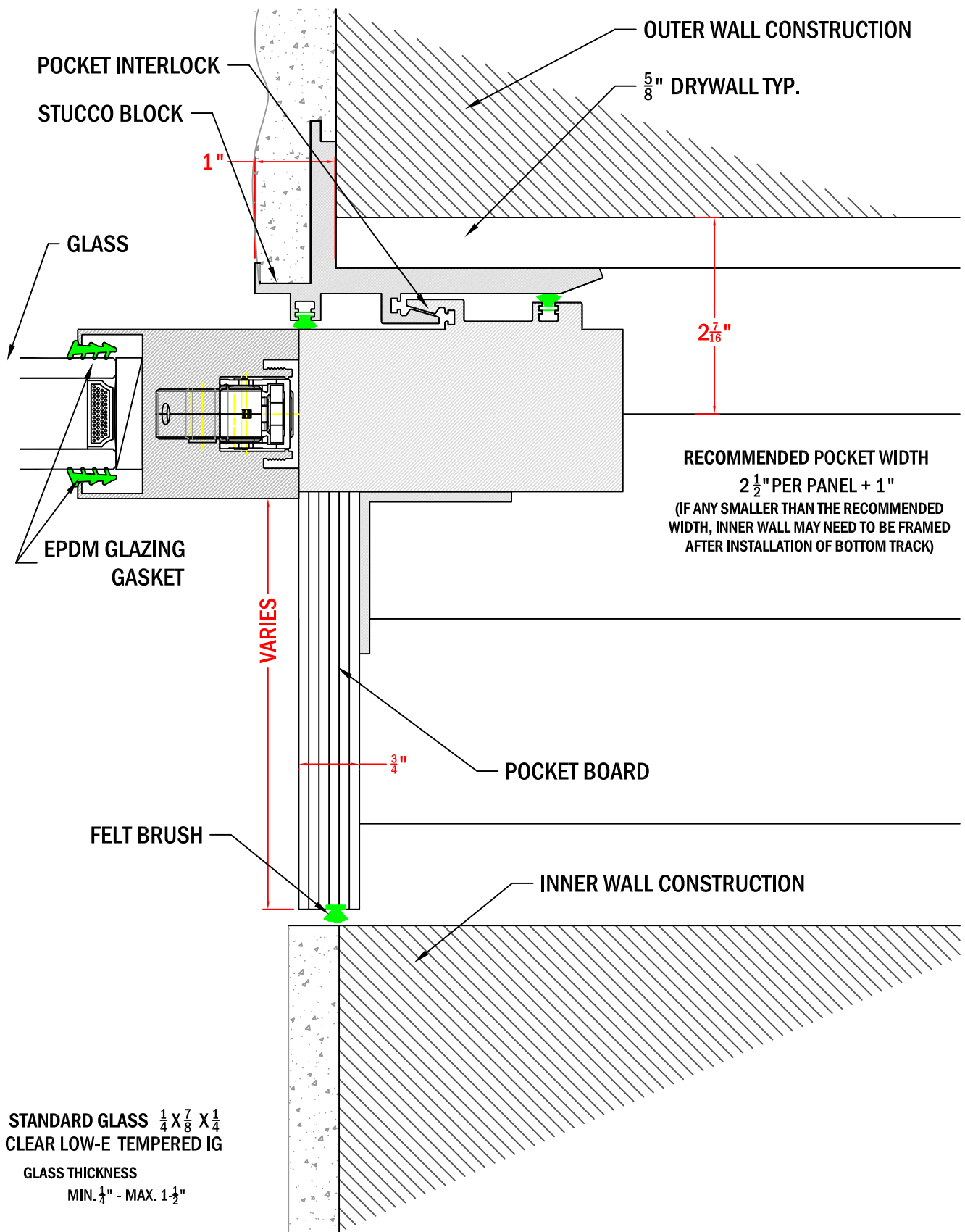
STANDARD GLASS  $\frac{1}{4} \times \frac{7}{8} \times \frac{1}{4}$   
 CLEAR LOW-E TEMPERED IG

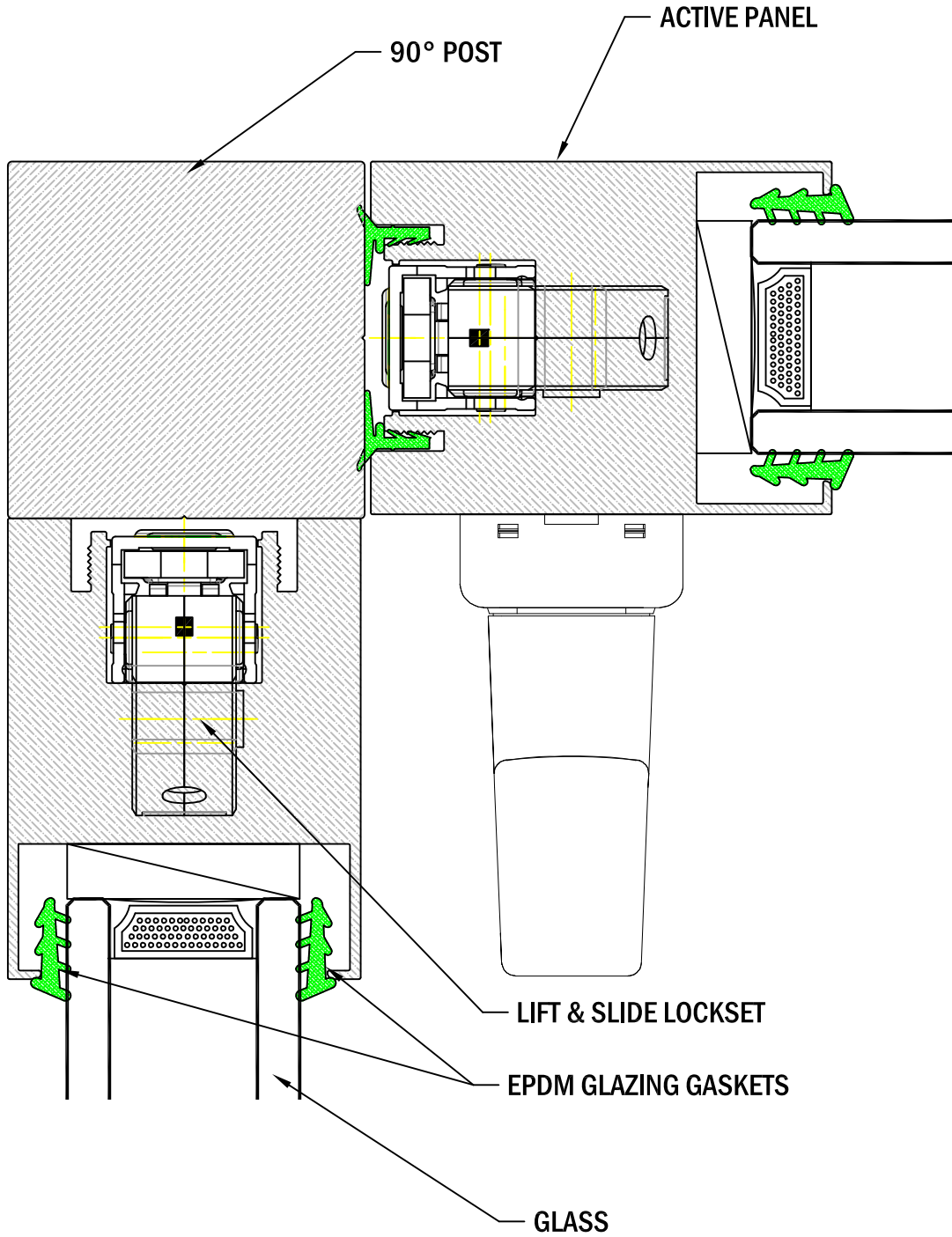
GLASS THICKNESS  
 MIN.  $\frac{1}{4}$ " - MAX.  $1\frac{1}{2}$ "



**CENTER STILE**

S.85 LIFT & SLIDE | 12





STANDARD GLASS  $\frac{1}{4} \times \frac{7}{8} \times \frac{1}{4}$   
 CLEAR LOW-E TEMPERED IG

GLASS THICKNESS  
 MIN.  $\frac{1}{4}$ " - MAX.  $1\frac{1}{2}$ "

 **90° CORNER POST**  
**S.85 LIFT & SLIDE | 14**