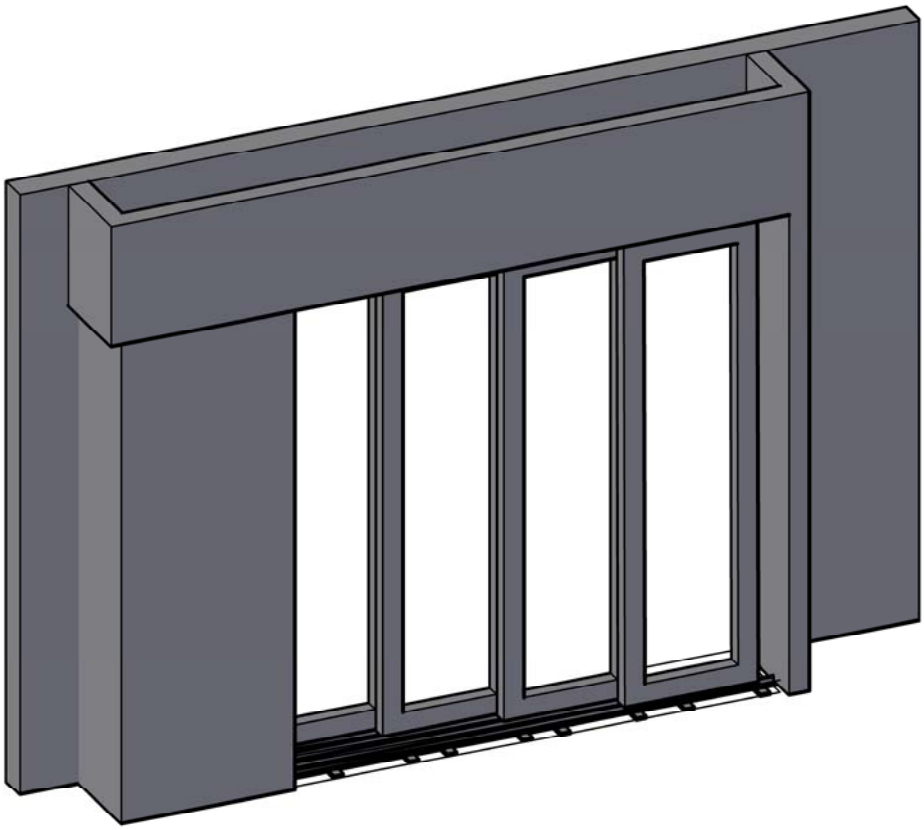
LIFT & SLIDE
THERMALLY BROKEN



U-FACTER OF 0.350 ACHIEVED
(IN SIMULATION)

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

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THERMALLY BROKEN

CONTENTS

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DRAWINGS AND LAYOUT BY
SHAWN M. HORNER
MMVIIII

TECHNICAL DESCRIPTION

The Panda TB Lift and Slide door system is custom made to order and has been designed specifically for use in climates where thermal insulation and U-factor is of importance in this type of product.

Profiles:
Profiles are manufactured from 6063-T5 extruded aluminum with a wall thickness of up to 1/8″ allowing for oversized panels. Polyamide iso struts which provide greater structural integrity and sheer strength over other thermal break options. Each panel can be in excess of 70 square feet in size over 14' in height. The door systems are available with either powder coat, Kynar or anodized finishes in virtually any color the customer chooses.

Tracking:
There are 5 types of tracks available to accommodate any flooring conditions, allowing for an almost seamless look with only 3/16″ protrusion above the finished floor. All weight is carried on the bottom track, the top track serves as a guide.

Configurations:
By custom building each door system in house with multiple panels, tracks, and angled panel connectors, almost any size and shape of opening can be accommodated.

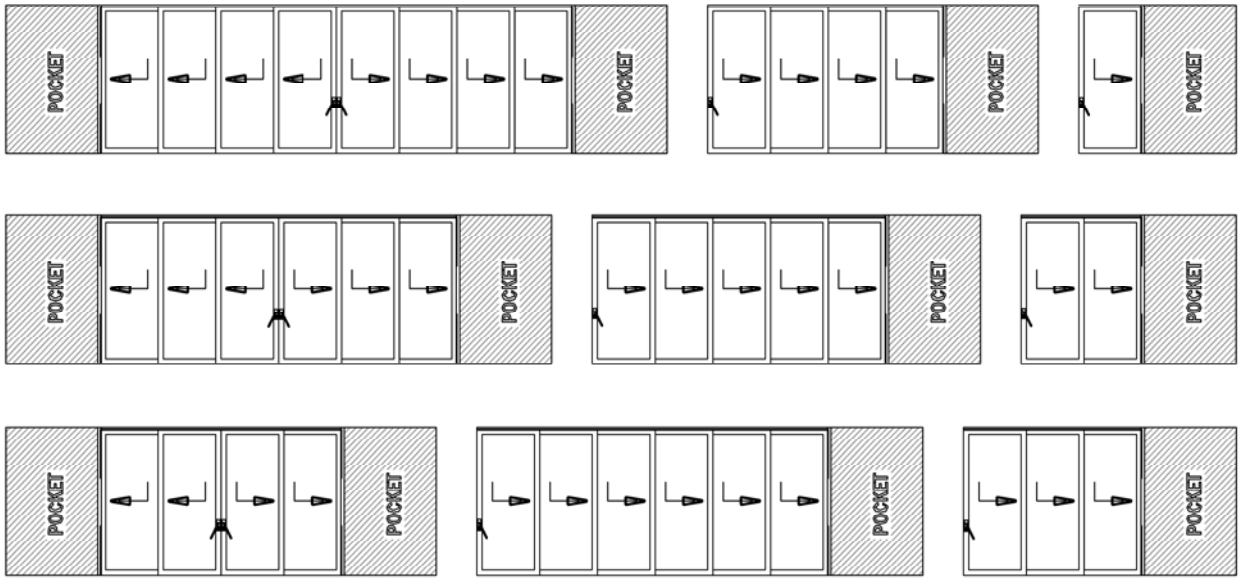
Hardware:
The wheel carriages are comprised of synthetic nylon wheels with encased stainless steel ball bearings and have a corrosion resistant treatment applied for high performance in coastal regions. Each wheel carriage can support up to 550 lbs which allows an 1,100 lb panel to be supported by only one set of two carriages. The operating mechanism includes a multi-point lock and can accept any 10mm Lift & Slide handle. The entire door system has specially designed EPDM gaskets to create a totally closed, weather tight system.

Glazing:
The Panda Thermally broken lift and slide system can accept any type glazing available on the market up to $1\frac{7}{8}$" thick. Optional integrated automated blinds available.

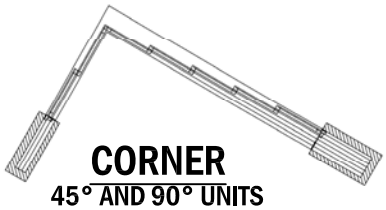
Weight:
Each panel weighs approximately 7to 8 lbs per sq ft depending on overall panel size.

MOST COMMON CONFIGURATIONS

CONFIGURATIONS WITH POCKETS



(SYSTEM CAN POCKET LEFT OR RIGHT)

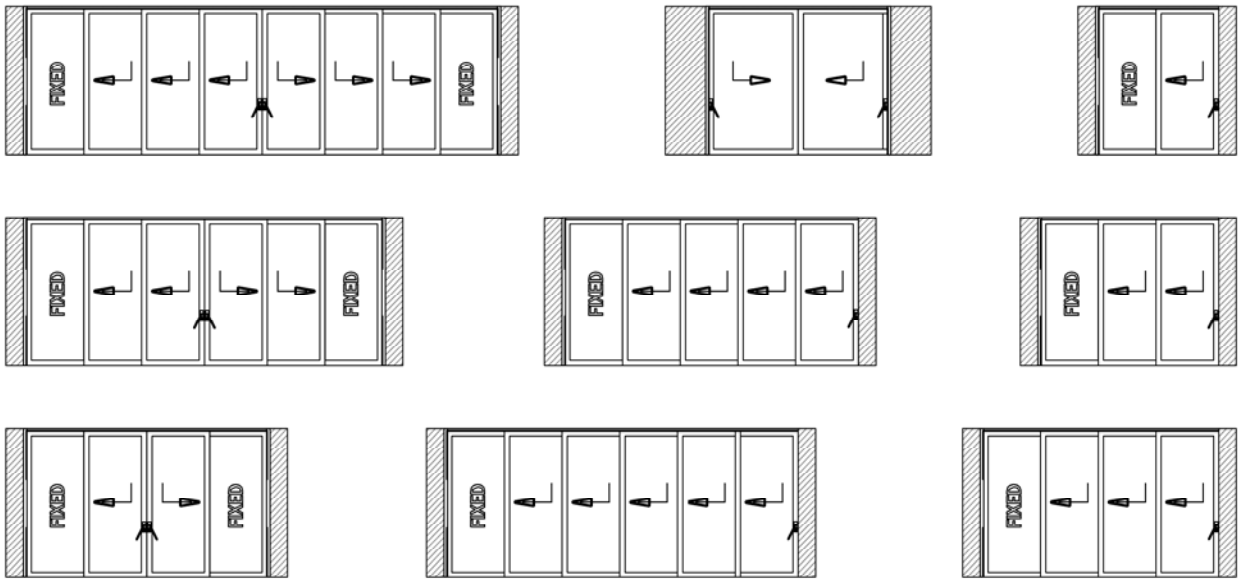


CORNER

45° AND 90° UNITS

STRAIGHT

CONFIGURATIONS WITHOUT POCKETS



(SYSTEM CAN STACK LEFT AND/OR RIGHT)

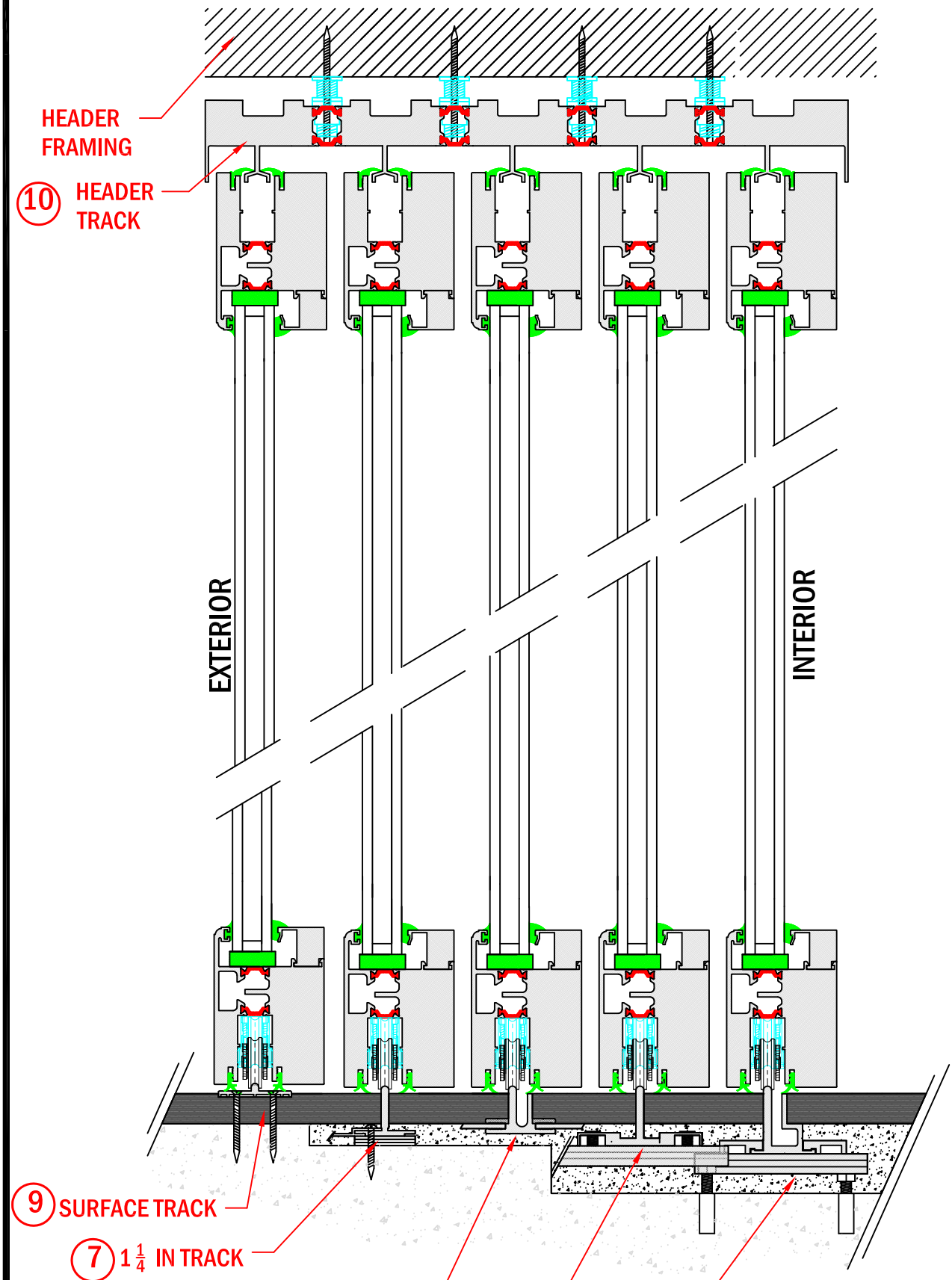
CORNER

45° AND 90° UNITS

STRAIGHT

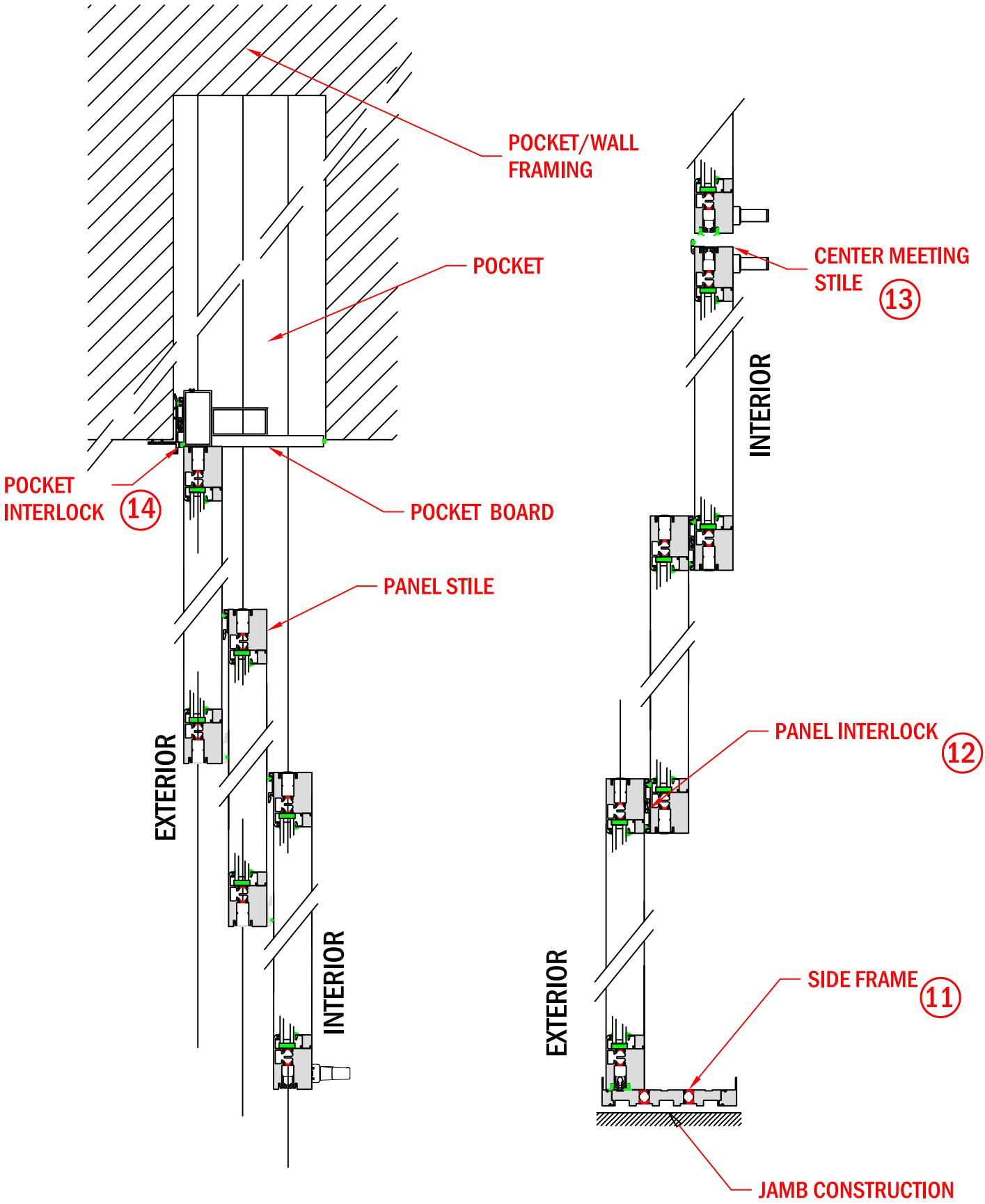
TYPOLOGY

LIFT & SLIDE TB | 2



VERTICAL SECTION

LIFT & SLIDE TB | 3



HORIZONTAL SECT.

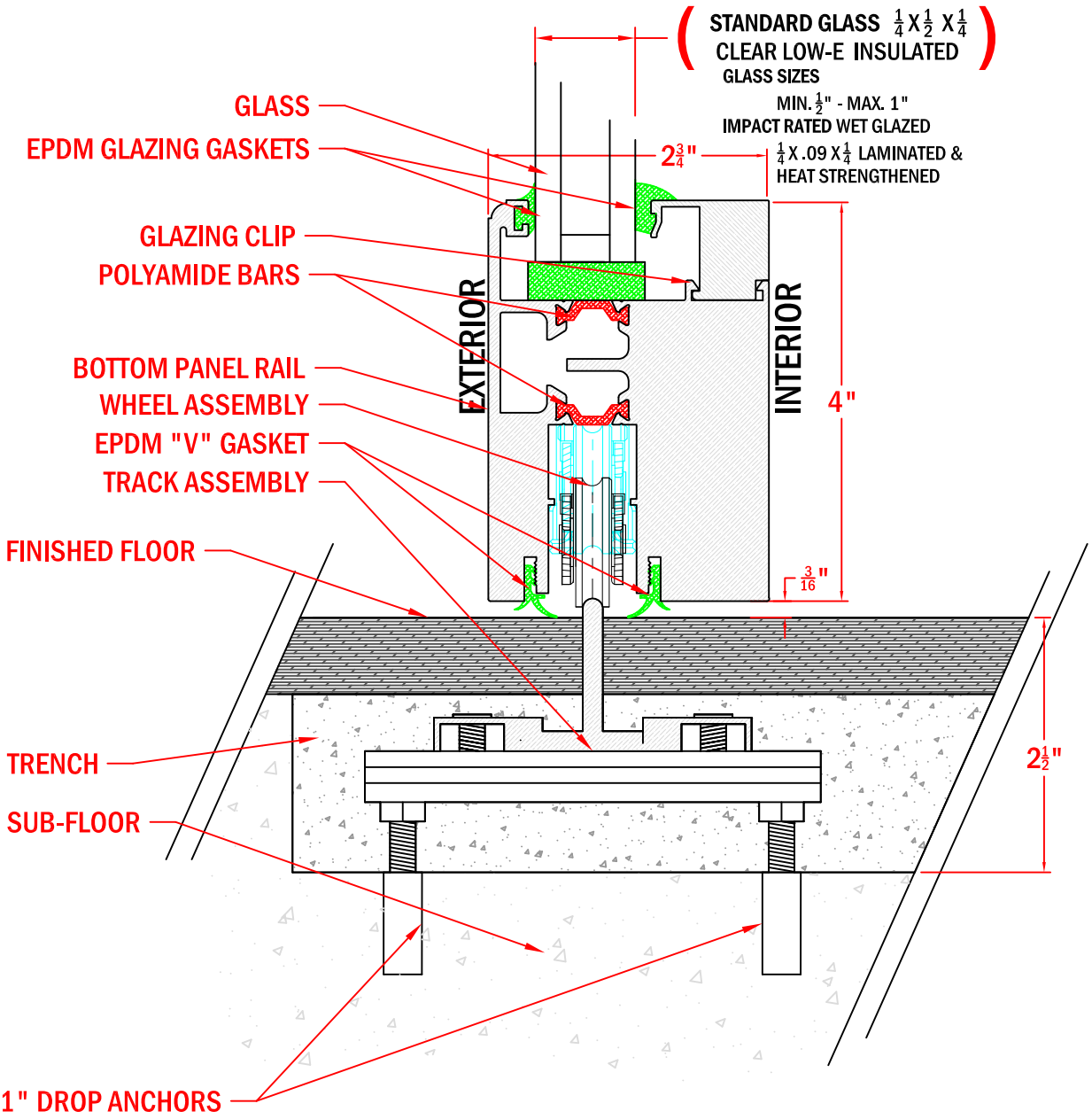
LIFT & SLIDE TB 4

FEATURES:

- TRACK RECESSED INTO SUBFLOOR
- FINISHED FLOOR LAID IN BETWEEN TRACKS LEAVING ONLY A 3/16” RAIL EXPOSED
- A VIRTUALLY UNOBSTRUCTED THRESHOLD FROM THE INTERIOR TO THE EXTERIOR AREA
- ADA COMPLIANT

TRENCH DEPTH (MIN.)
(= 2 ½"-F.F. THICKNESS)
TRENCH WIDTH (RECOMMENDED)

1 TRACK	6"
2 TRACK	9"
3 TRACK	12"
4 TRACK	15"



STANDARD TRACK
LIFT & SLIDE TB 5

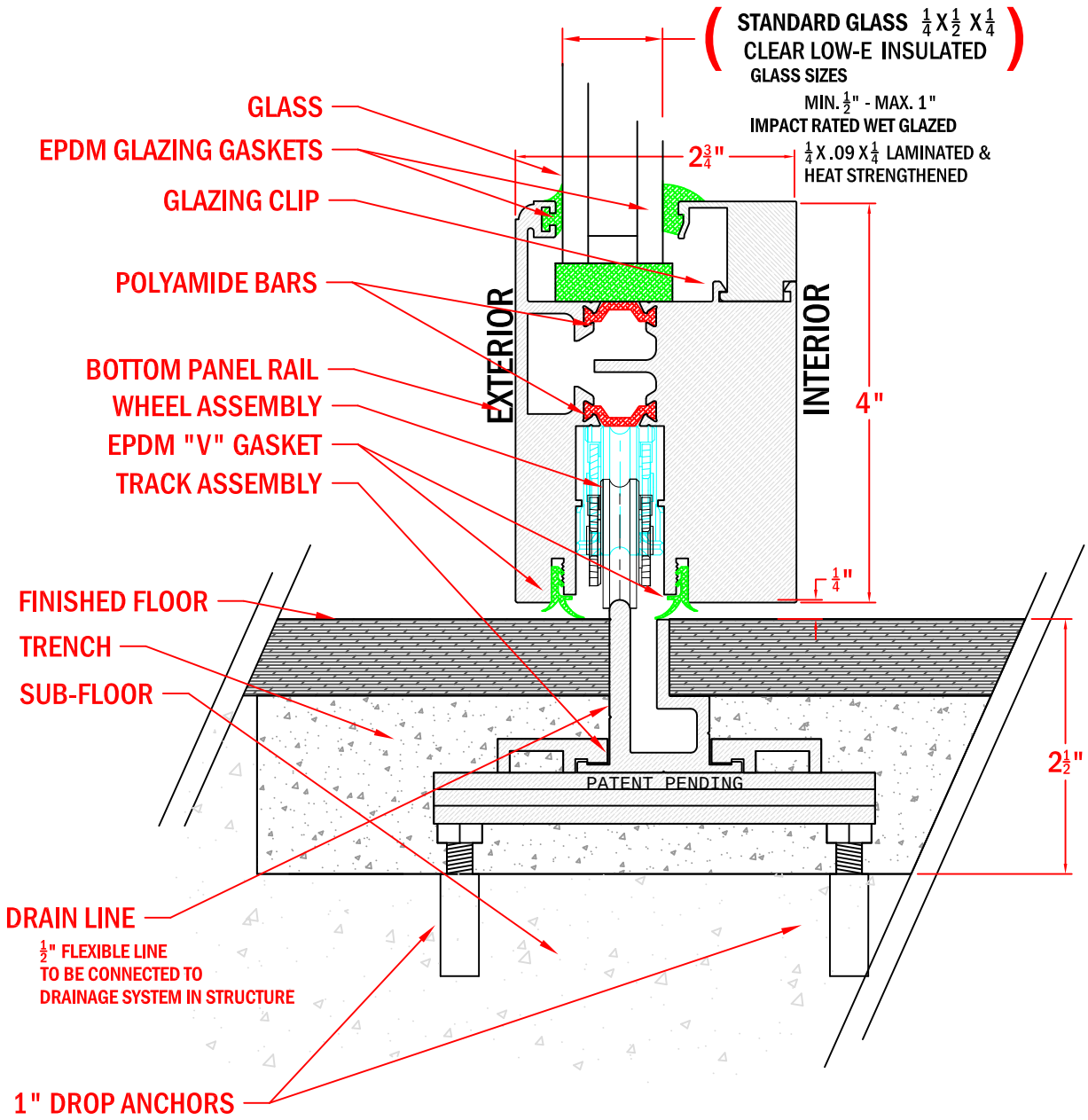
FEATURES:

- TRACK RECESSED INTO SUBFLOOR
- FINISHED FLOOR LAID IN BETWEEN TRACKS LEAVING ONLY A 3/16" RAIL EXPOSED
- A VIRTUALLY UNOBSTRUCTED THRESHOLD FROM THE INTERIOR TO THE EXTERIOR AREA
- WEEP CHANNEL FOR INCREASED SECURITY AGAINST WATER INFILTRATION
- ADA COMPLIANT

TRENCH DEPTH (MIN.)
(= 2 1/2"-F.F. THICKNESS)

TRENCH WIDTH (RECOMMENDED)

1 TRACK	6"
2 TRACK	9"
3 TRACK	12"
4 TRACK	15"



DRAINAGE TRACK

LIFT & SLIDE TB 6

FEATURES:

- SHALLOWER RECESS INTO THE FLOORING
- TRACK LEVELED WITH STACK SHIMS INSTEAD OF ALL-THREADS
- TRACK RECESSED INTO SUBFLOOR
- FINISHED FLOOR LAID IN BETWEEN TRACKS LEAVING ONLY A 3/16” RAIL EXPOSED
- A VIRTUALLY UNOBSTRUCTED THRESHOLD FROM THE INTERIOR TO THE EXTERIOR AREA
- ADA COMPLIANT

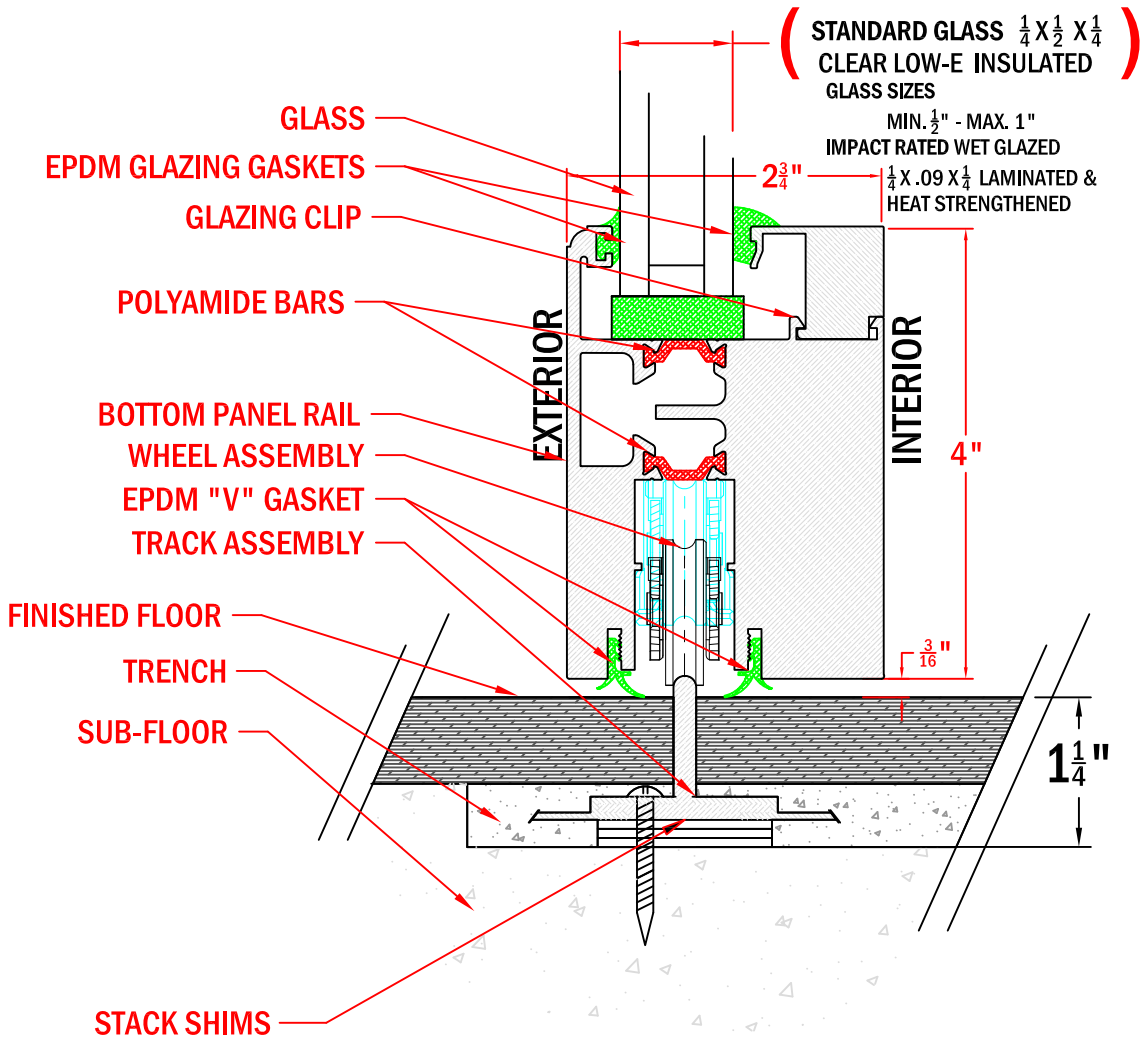
TRENCH DEPTH (MIN.)

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

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

TRENCH WIDTH (RECOMMENDED)

1 TRACK	3"
2 TRACK	6"
3 TRACK	9"
4 TRACK	12"



1 1/4 IN TRACK

LIFT & SLIDE TB 7

FEATURES:

- SHALLOWER RECESS INTO THE FLOORING
- TRACK LEVELED WITH STACK SHIMS INSTEAD OF ALL-THREADS
- TRACK RECESSED INTO SUBFLOOR
- FINISHED FLOOR LAID IN BETWEEN TRACKS LEAVING ONLY A 3/16” RAIL EXPOSED
- A VIRTUALLY UNOBSTRUCTED THRESHOLD FROM THE INTERIOR TO THE EXTERIOR AREA
- WEEP CHANNEL FOR INCREASED SECURITY AGAINST WATER INFILTRATION
- ADA COMPLIANT

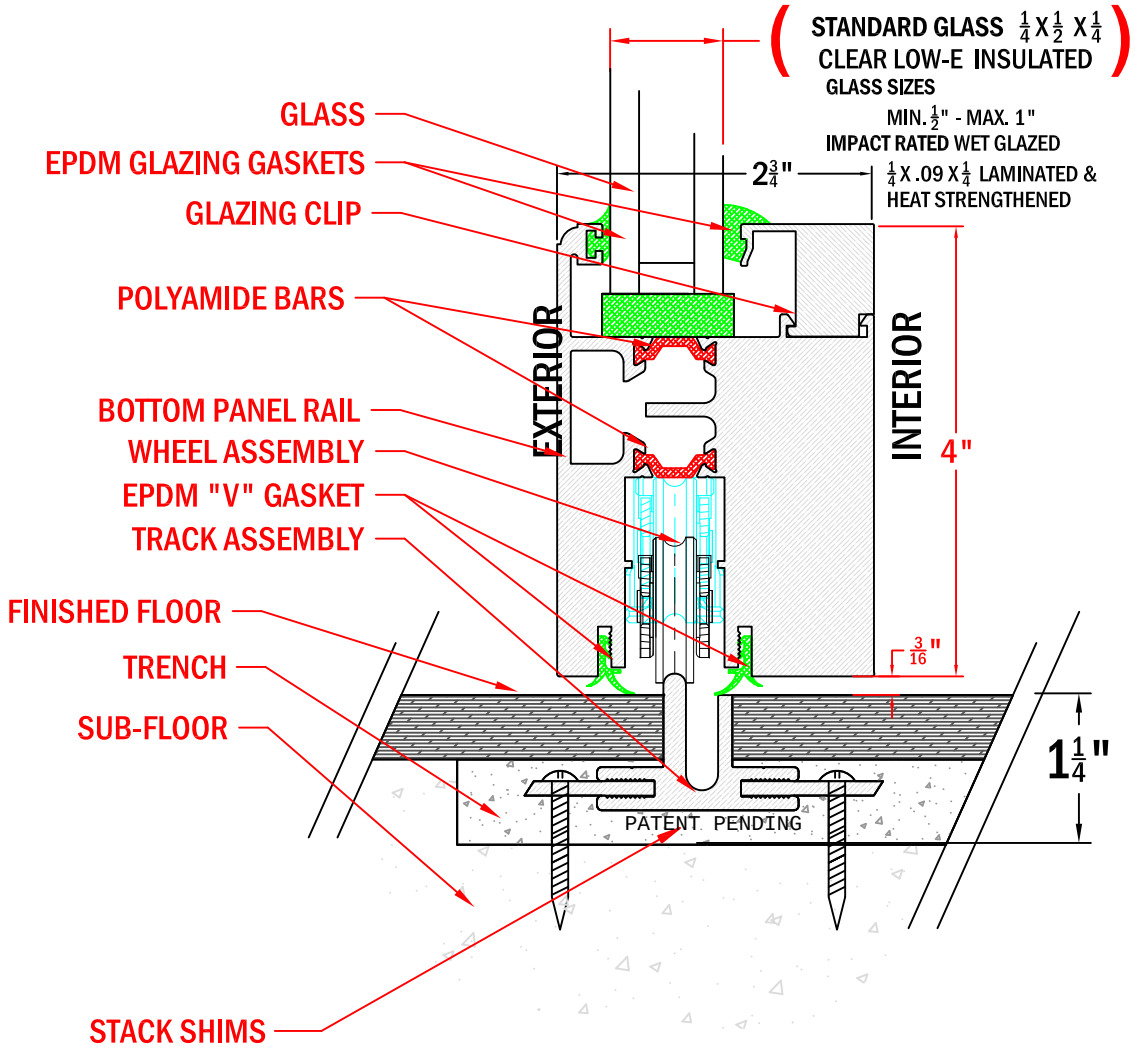
TRENCH DEPTH (MIN.)

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

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

TRENCH WIDTH (RECOMMENDED)

1 TRACK	3"
2 TRACK	6"
3 TRACK	9"
4 TRACK	12"

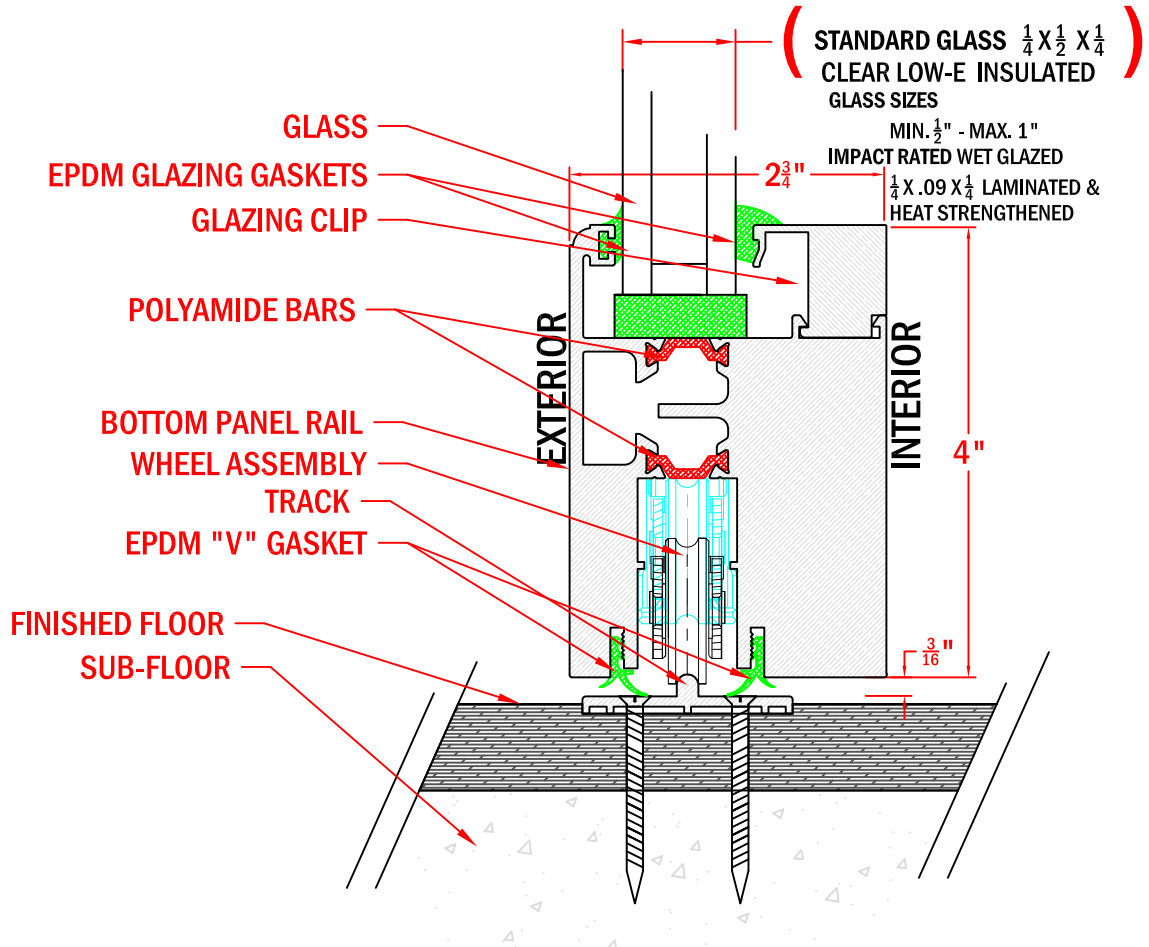


1 1/4 IN TRACK

LIFT & SLIDE TB 8

FEATURES:

- LOW 3/16" TRACK MOUNTING DIRECTLY TO THE FINISHED FLOOR.
- USED ONLY IN SITUATIONS WHERE RECESSING IS NOT POSSIBLE
- ADA COMPLIANT



FOR BEST OPERATION -FLOOR MUST BE SMOOTH & LEVEL

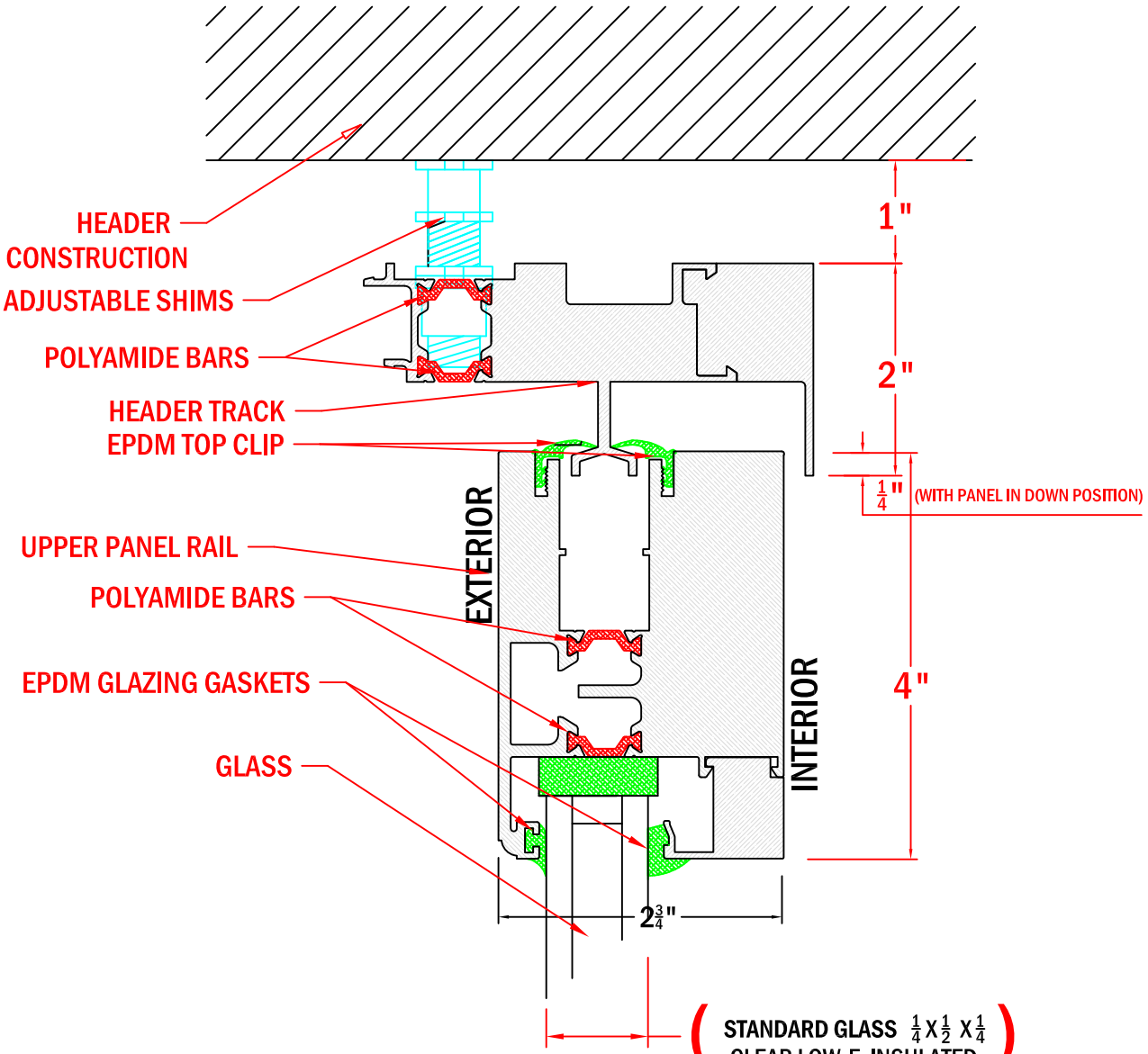
SHIM SPACE

FROM $\frac{1}{2}$" TO 1" DEPENDING ON TYPE OF
BOTTOM TRACK & FINISHED FLOOR THICKNESS

HEADER TRACK WIDTHS (APPROX)

1 PANEL	4"
2 PANEL	7"
3 PANEL	10"
4 PANEL	13"

(TRENCH WIDTH SHOULD BE TAKEN INTO ACCOUNT WHEN PLANNING ROUGH HEADER CONSTRUCTION)



(STANDARD GLASS $\frac{1}{4}$ X $\frac{1}{2}$ X $\frac{1}{4}$
CLEAR LOW-E INSULATED)

GLASS SIZES
MIN. $\frac{1}{2}$" - MAX. 1 1/4"
IMPACT RATED
WET GLAZED
$\frac{1}{4}$ X .09 X $\frac{1}{4}$ LAMINATED &
HEAT STRENGTHENED

HEADER TRACK

LIFT & SLIDE TB | 10

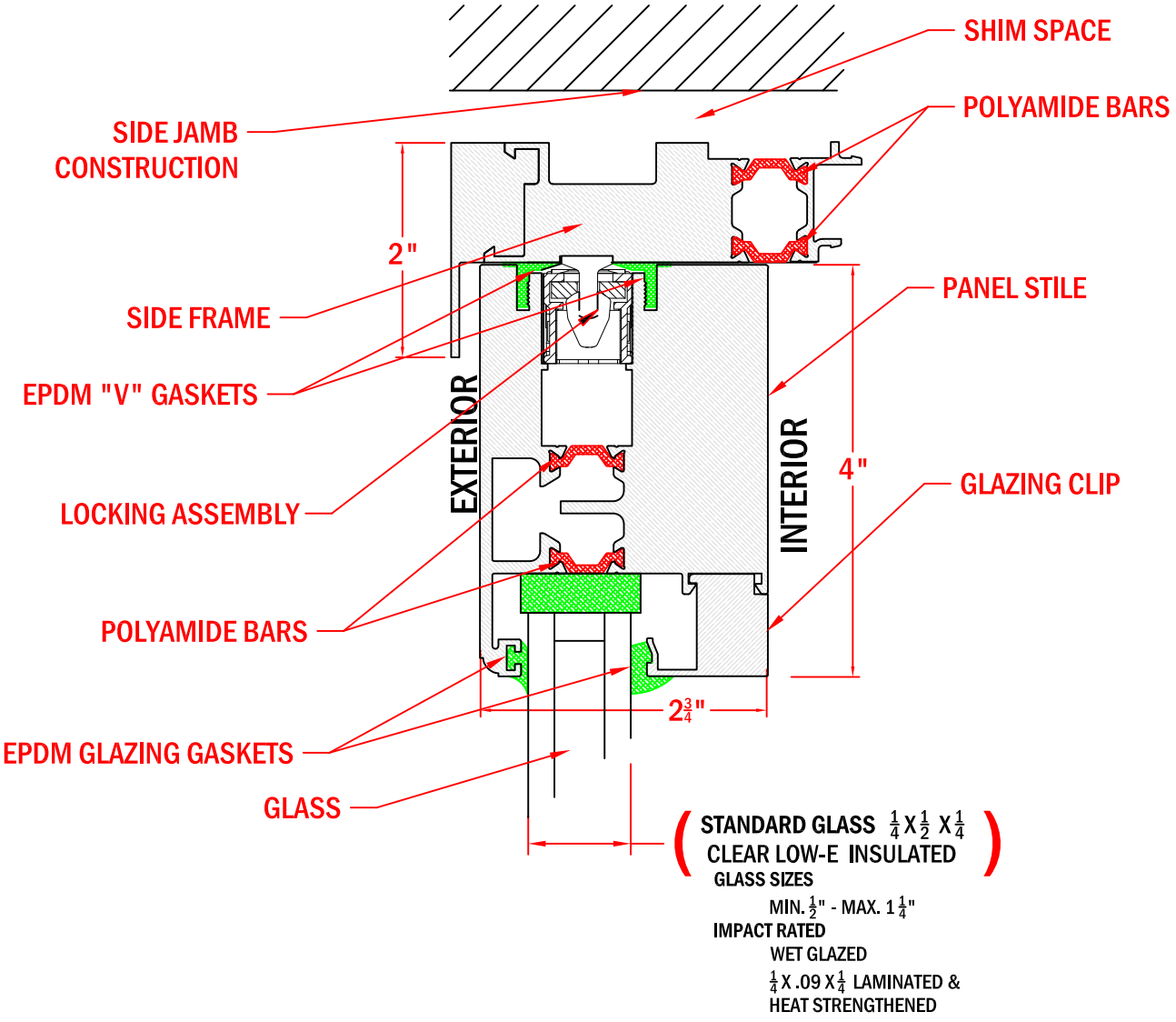
SHIM SPACE

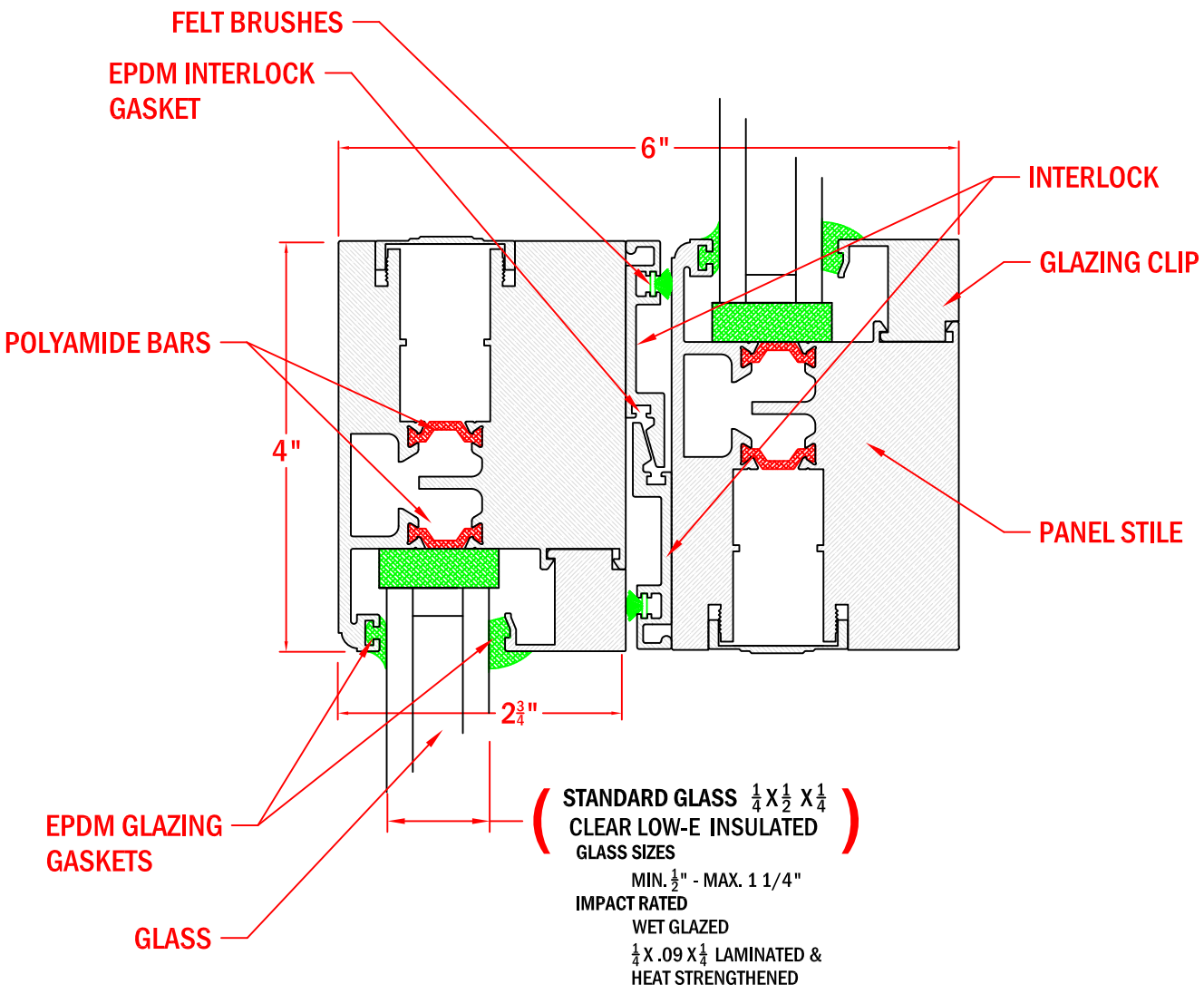
$\frac{1}{2}$" IS TYPICAL

SIDE FRAME WIDTHS (APPROX)

1 PANEL	4"
2 PANEL	7"
3 PANEL	10"
4 PANEL	13"

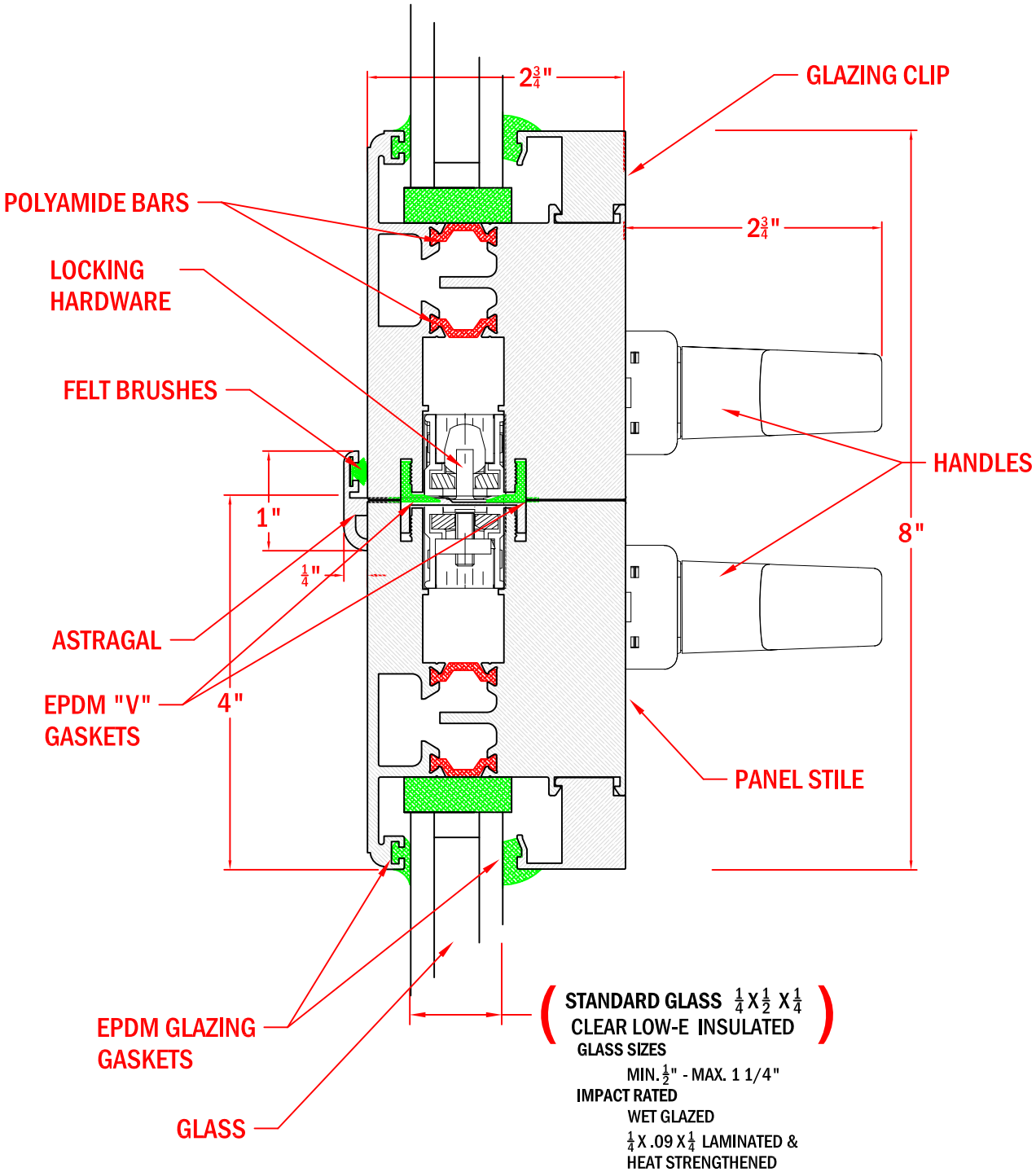
(TRENCH WIDTH SHOULD BE TAKEN INTO ACCOUNT WHEN PLANNING SIDE JAMB CONSTRUCTION)





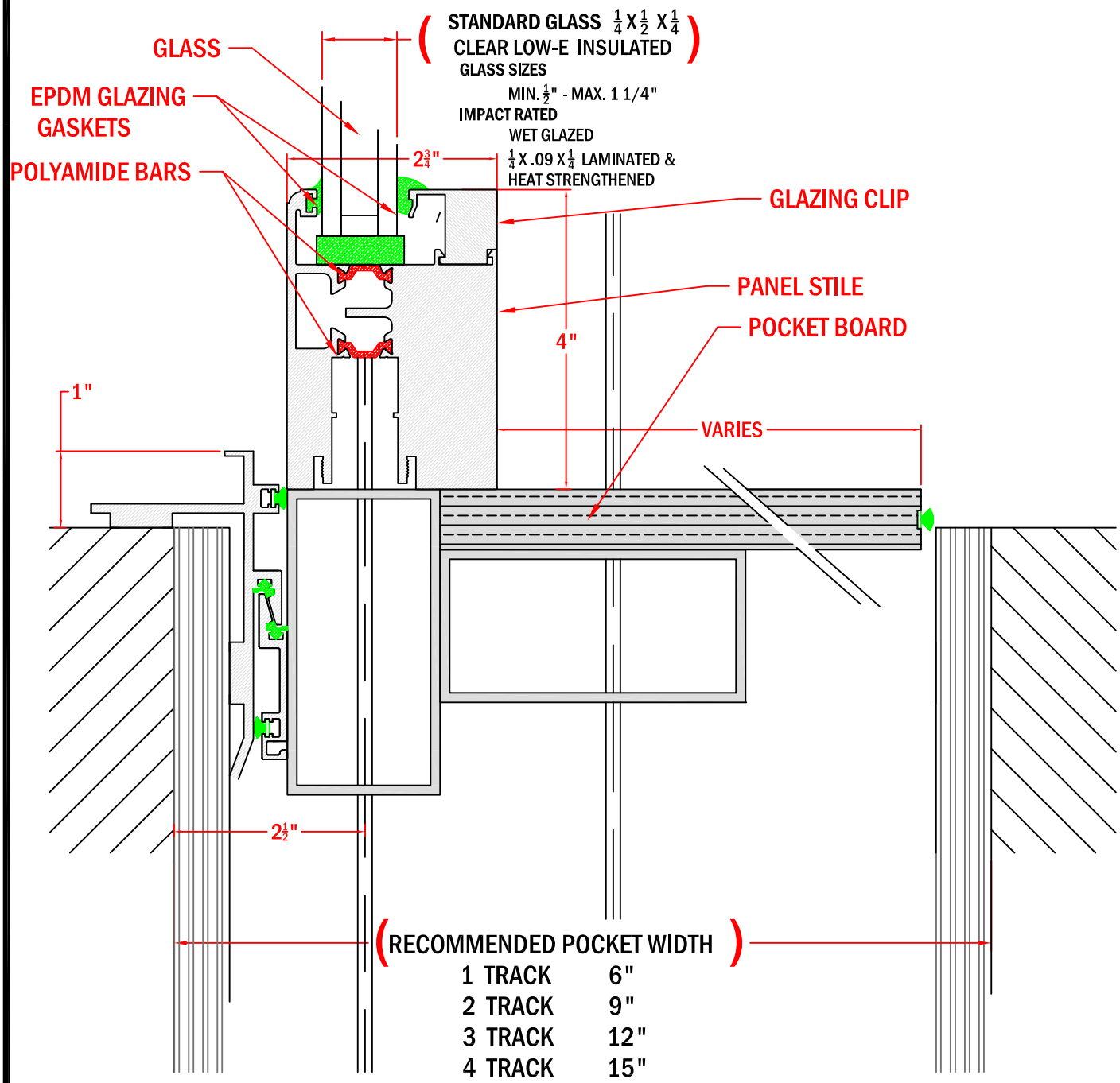
PANEL INTERLOCK

LIFT & SLIDE TB 12



CENTER STILE

LIFT & SLIDE TB 13



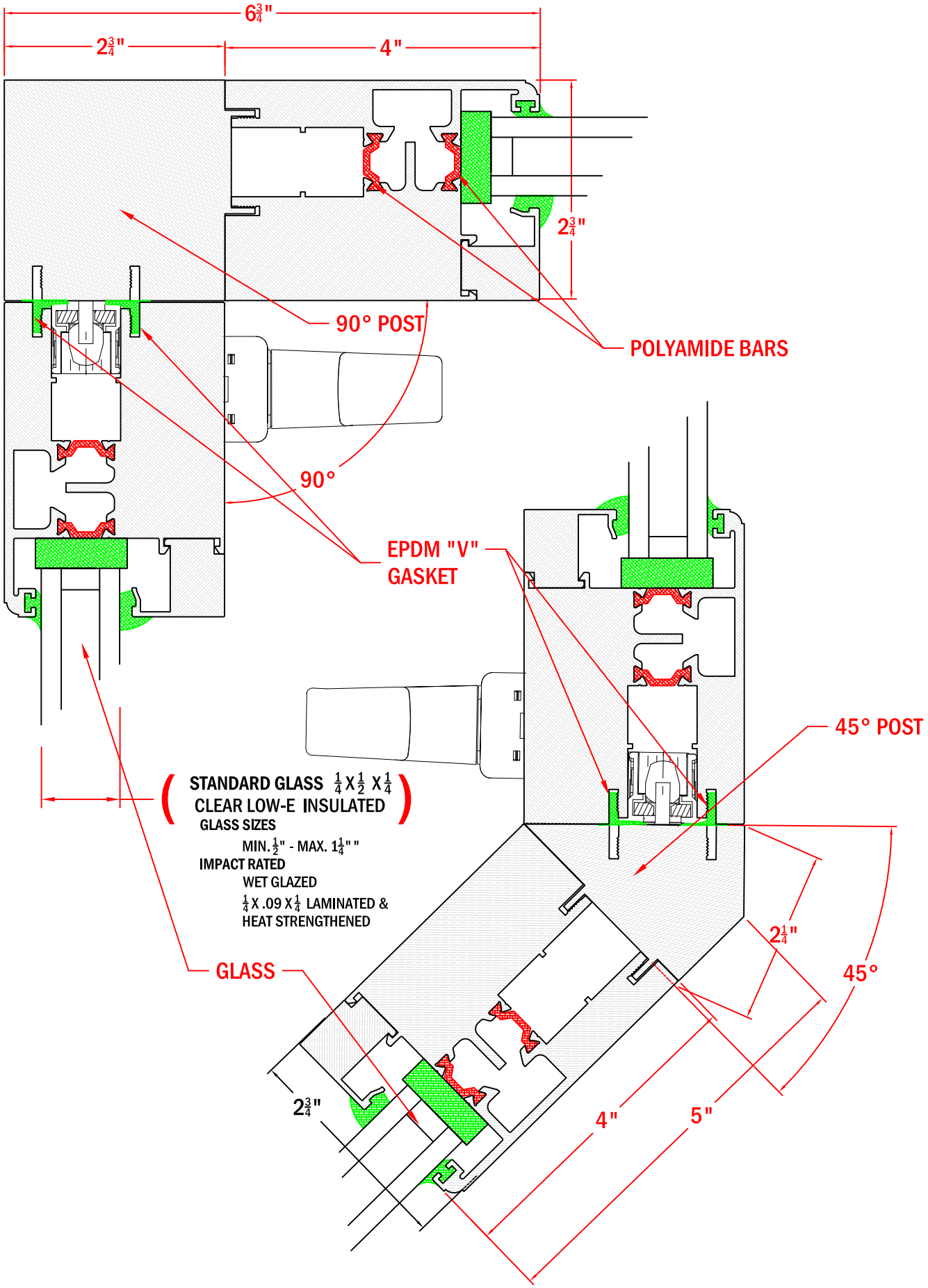
(RECOMMENDED POCKET WIDTH)

1 TRACK	6"
2 TRACK	9"
3 TRACK	12"
4 TRACK	15"

(IF ANY SMALLER THAN THE RECOMMENDED WIDTH, INNER WALL MAY NEED TO BE FRAMED AFTER INSTALLATION OF BOTTOM TRACK)

POCKET INTERLOCK

LIFT & SLIDE TB 14



CORNER POSTS

LIFT & SLIDE TB 15