



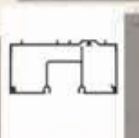
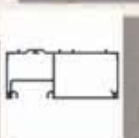
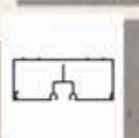
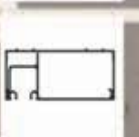



PRL GLASS SYSTEMS

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PRL Aluminum ARCHITECTURAL PRODUCTS

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FOR IMMEDIATE ACCESS TO INFORMATION ON ALL OF OUR PRODUCT LINES,

visit: www.aluminum.com	www.prlglass.com
call: ph (877) 775-2586	ph (800) 433-7044
fax: fx (877) 274-8800	fx (626) 968-9256

14760 Don Julian Rd. Industry, CA 91746

251 Mason Way Industry, CA. 91746

PRL SPECIALIZES IN CUSTOM ARCHITECTURAL GLASS & METAL FABRICATION.



About Us

PRL Glass Systems was founded in 1989, originally the company offered basic fabricated glass products.

Over the years We have grown at an impressive rate, today we offer an extensive and sophisticated line of architectural glass/metal products to the commercial and residential construction industry as well as to the furniture and interior design markets. We look forward to continue to grow in the years to come and continue to offer the best service and highest quality in the industry.

The proven leadership and expertise, positions PRL glass as the fastest growing company in our industry.

Sales Territory

Our products are delivered to Southern/Northern California, parts of Arizona and Nevada in our transportation fleet, to the rest of the country via common carrier.



Facilities

The support from our valued customers has allowed PRL Glass Systems to expand its facilities to 250,000 sq ft. combined on four locations in City of Industry, CA. and employ over 350 workers.



90,000 sq.ft. Facility, Yr. 2008



90,000 sq.ft. Facility, Yr. 2006



70,000 sq.ft. Facility, Yr. 2000



Production Capabilities,

PRL Glass Systems has acquired the state of the art machinery to increase our production capabilities and offer the most extensive line of products in the **industry...**



MASSIVE GLASS INVENTORY

- HEAVY PLATE
- DOUBLE STRENGTH
- TEXTURED
- REFLECTIVE
- MIRROR
- SPECIAL*
*CONSULT PRL FOR DETAILS



SHIPPING

HAS A FLEET OF 20 TRUCKS FOR FREE LOCAL DELIVERY



CUTTING

- 2 FOX AUTOMATED CUTTERS
- 3 MANUAL STATIONS



ENTRANCE SYSTEMS

- MACHINE SHOP
- METAL FINISHING DEPARTMENT
- WELDING STATION



FABRICATION

- 3 BOVONE 17/45 EDGERS
- 3 MINIMAX BEVELERS

While Continuing offering the best service, highest quality and *fastest* leadtimes in the industry.

State of the art 2400 tons/ 8" aluminum press is now in full force!



SHOWER ENCLOSURES

- CUSTOM SWING UNIT
- CUSTOM SLIDER UNITS
- HARDWARE ONLY
- GLASS ONLY



HOLES/NOTCHES

- 1 FORVET FRANCISCA DRILL
- 1 BESANA DRILL
- 2 MANUAL STATIONS



SPANDREL ROLLER COVER



I.G. UNITS

LISEC SEMI AUTOMATED LINE



ARCLITECTURAL METALS

- 1 14" WYSONG PRESS-BRAK
- 1 14" WYSONG SHEAR
- LARGE INVENTORY OF METALS



CUSTOM EDGING

- 4 BISMATICS
- 2 MANUAL STATIONS



SANDBLASTING

- 1 AUTOMATED SB MACHINE
- 2 MANUAL SB BOOTHS



TEMPERING

- 86/180 BIF SYSTEM
- 60/120 CONVECTION SYSTEM
- 98/180 CONVECTION SYSTEM

The

B

enefits of Buying from **PRL Glass & Alum**

The following is what we will offer you,

1. **Fastest** lead-times in the industry Guaranteed*
 - a. **Scheduled** Deliveries 99% ON TIME
 - b. Job Site Delivery w/Boon Truck
 - c. Flat bed truck deliveries if needed
 - d. FREE local delivery
2. **Your one stop shop**
 - b. Glass, Aluminum storefront & Doors
3. Early payment discount (consult A/R)
4. **Expertise** on Heavy Tempered glass up to 3/4"
5. **In house** Extrusion press (now in full force!)
6. Combine your Purchase Order with your Aluminum storefront material & glass (save money)
7. 100% satisfaction guaranteed
 - a. **Best quality** in the industry.

*consult us for details

for estimates & orders,



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USEFUL INFORMATION

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ALUMINUM (877) 274 8800

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SHOWER DOOR	(626) 968 9086	fastshowers@prlglass.com
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NEW ACCOUNTS	(626) 968 9094	newaccounts@prlglass.com
SALES	(626) 961 4664	salesmaster@prlglass.com
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CRAFTSMANSHIP

Complete ENTRANCE SYSTEMS

**Glass/Metal & Hardware,
Ready to install!**

- All Glass Entrances
- Full Frame Entrances
- Doors/Sidelites Framing
- Access/Egress Controls
- Stacking/Sliding Systems
- Cladded Storefronts
- Aluminum Storefronts
- Architectural Custom Metals
- Architectural Glass
- Custom/Artistic Glass
- Aluminum Extrusions



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Full Frame Doors
Framing
Cladding

Hardware:
Panic Devices



Corp Hdqrs, Beverly Hills, CA.

Product:
Full Frame Doors
Framing
IG Units
Spandrel

Hardware:
Panic Devices



Educ Adm Bldg, Long Beach, CA.

Product:
Custom Glass Panels
Handrails/guardrails
Frameless Doors
Spandrel

Hardware:
Entrance Hdwe/
Railing



Museum, Reno, NV.

PRL's custom glass/metal products with an unmatched expert fabrication in detail

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Complete ENTRANCE SYSTEMS

• Single Entrance Doors



F Style doors with panels and louver sandblasted artwork.

• Complex large-scale systems..



Custom manet sliding door / fix point system

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...fabricated to your specifications.

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ENTRANCE SYSTEMS



BP Style doors with transom, panels and full height support fins.

P Style Glass Entrance System with sandblasted corporate image and Stainless Steel Clad Frame



ENTRANCE SYSTEMS



Custom Height P Style doors with ladder pulls

PRL Nu-Vision Entrance Doors are fabricated to your particular configuration. All we need is your dimensions and we will take care of the rest.

- In house production capabilities,
- Technical design & Lay out dept.
 - Alum. Extrusion Press (extrusions)
 - Architectural Hardware
 - Glass Fabrication (tempering)
 - Architectural metals dept. (breakformed cladding)
 - Sandblating and Artwork dept. (corporate logos)

This forms PRL into a **one stop shop.**

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FULL FRAME DOORS



STYLES



NARROW
3" vertical stile,
4", 5", 10" or
custom height
top/bottom rails



MEDIUM
4" vertical stile,
4", 5", 10" or
custom height
top/bottom rails



WIDE
5 1/2" vertical stile,
5", 10" or
custom height
top/bottom rails



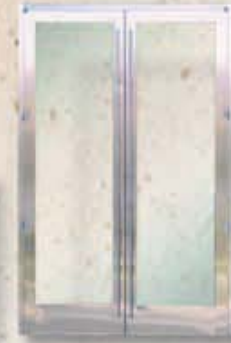
Full Frame & Monumental clad doors are also available.

PRL can create more distinguished appearance by adding vertical/horizontal intermediate mullions or custom glass with sandblasted accents/artwork.

CUSTOM
custom vertical stile, top/bottom rails, hardware, glass and sandblast artwork.



FULL FRAME DOORS



Clad metal/finishes (18ga.)

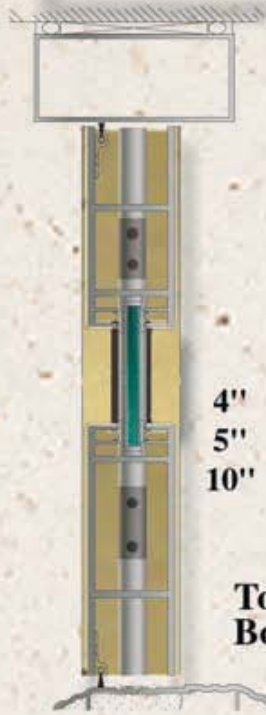
- Satin & Polished
 - 304 Stainless steel
 - 464 Naval brass
- Oil rubbed bronze(US10B)
- Powder coated
- Custom finishes available

Hardware

- Offset/CH pivots
- OH concealed closer
- Floor closer
- Butt hinges
- Custom pulls
- Panic devices
- Door holders

Glass

- 1/4" to 1/2" tempered or laminated
- 1" insulated units
- Pattern glass



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ARCHITECTURAL METALS



Custom monumental Doors

Brakeformed Shapes

- Head/Sill flashing
- Angles
- Hat
- J-Z Shapes
- Open/Closed Corner
- Channel

Clad

- Full Frame Doors
- Door Header/Jamb/T-Holds
- Storefront Framing
- Column Covers
- Cornices
- Panel Pans

Handrail

- Top Cap
- Miter Returns/ Corners
- Connectors

Metal Finishing

- Mirror Polishing
- Directional Satin Brush

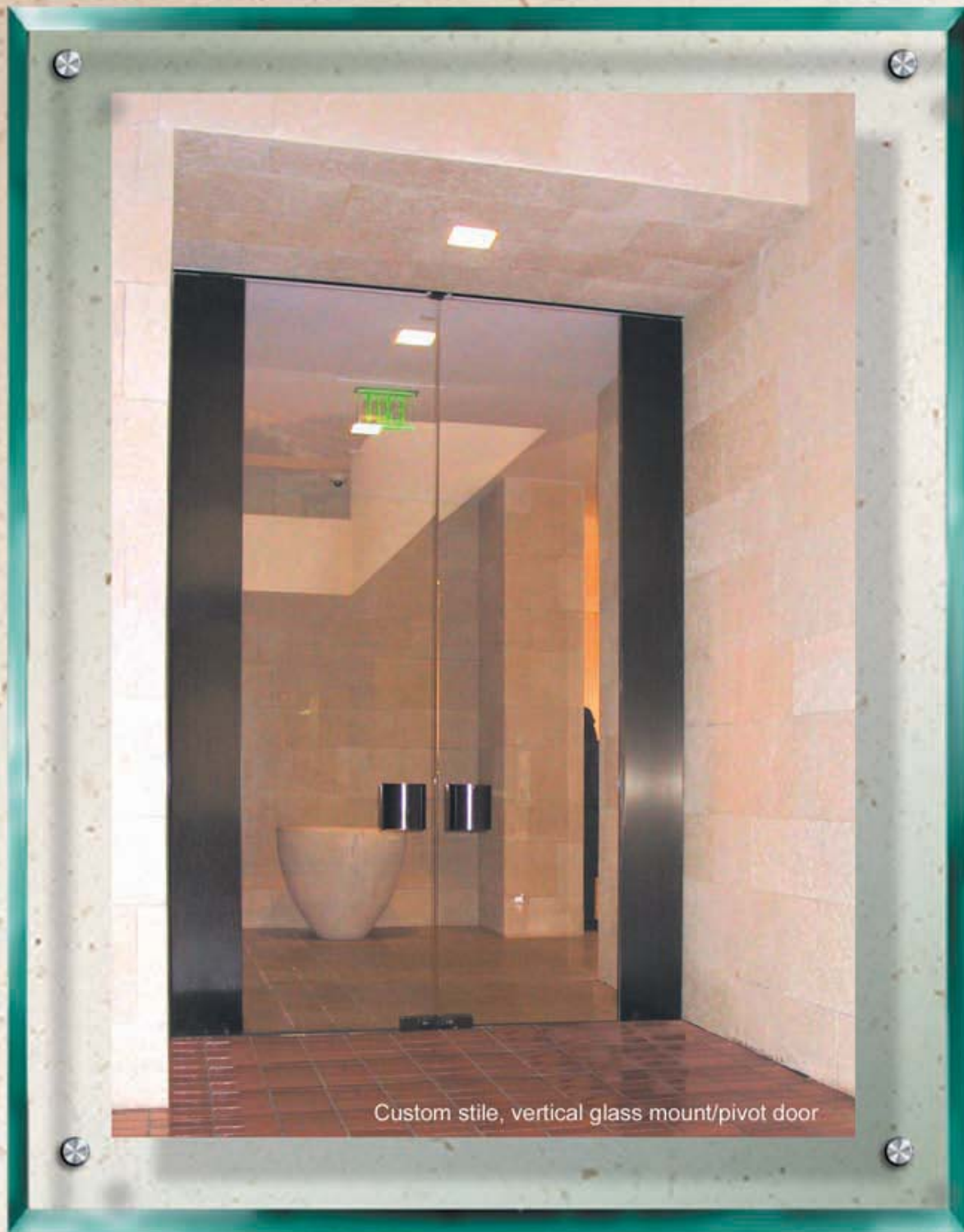


Cladded Full Frame Door w/ press-stamped round accents



P Style Doors and Storefront frame cladded in #8 Polished Stainless Steel

CUSTOM DOORS



Custom stile, vertical glass mount/pivot door

Simple, technically intricate and still elegant concepts through PRL's expert craftsmanship, become luxurious and functional Entrance systems.

PRL GLASS SYSTEMS

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CUSTOM GLASS DOORS



Full Frame Style door/Frame clad in pol brass Designer textured glass type, Mastercarre



Euro Style door in Satin SS Designer textured glass type, Masterlens



3/8" EURORAIN



5/16" MASTER-LENS



5/16" MASTERLIGNE



5/16" MASTERRAY



3/8" MASTERCARRE

In some instances designers will require to gradually obscure glass transparency. In these conditions textured glass or custom textured glass becomes a perfect solution.

SANDBLASTING



BP Style entrance System with custom pulls and artistic sandblasted glass.

PRL sandblast artwork enhances glass doors elegance with surface or deep carved custom designs.

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SPECIALTY DOORS/HARDWARE

Security access controls



Full Frame Door with custom centerlock housing, knob/deadbolt lock and side mount pivot bracket.



8" Pull / long throw deadlock

PL-CLH1
10"H / 6" W



Deadlatch lock/ lever handles
Strike Housing available

PL-CLH2
10"H / 6" W



Horizontal/Vertical Throw bolt lock

PL-16300
4 1/4"H / 3" W



PL-18102
3 1/8"H / 5 1/2" W
Euro latch lock/
Lever 1012



PL-18100
3 1/8"H / 5 1/2" W
Latch/strike housing
*1900 series also available



PL-19102
3 1/8"H / 6 3/4" W
Euro latch lock/
Lever 1910

Any type of locking specialty hardware can also be accommodated such as,

- Latch locks/lever handles
- Electric/Mechanical access devices



SPECIALTY DOORS/HARDWARE

Panic Devices/Egress controls



A Style Door with Panic Device and exterior key access/custom handle.



A Style Door with PA100 Panic Device/ D exterior handle



BP Style Door with PA100 Panic Device/ B exterior handle



P Style Door w/ PA100 Panic Device/ A exterior handle

PRL offers a variety of mechanical/electrical access controls that facilitate a safe and easy door operation such as,

- Panic devices (Slim 1 1/4" dia., Push pad or cross bar)
- header/glass mount door stop bar
- mechanical/electric strike brackets
- custom floating transom/headers
- electronic egress control devices

Various panic device/handle style configurations are available, please consult PRL for details.

* State/local building codes may require top latch/strike mount.

A Style Entrance System with PA100-D Panic Device and floating header



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STANDARD DOOR STYLES

**WS450**

1 3/16" narrow vertical stifle, continuous top and bottom rails from any square shape PL-Series rails.

**P**

Continuous horizontal top and bottom rails from any PL-Series rails.

**BP**

Corner patch rail in a 9 1/2" from any PL-Series rails or PL-Euro series fittings, continuous horizontal bottom rail from any PL-Series rails.

**F**

Corner patch rails at pivot and lock points in a 9 1/2" section from any PL-Series rails or PL-Euro series fittings.

**A**

Corner patch rails at pivot points (no lock patch) in a 9 1/2" section from any PL-Series rails or PL-Euro series fittings.



PRL Heavy glass doors are available in various standard styles and are offered with continuous rails or corner patch rails combinations. Available metal finishes are stainless steel, brass (satin or polished), anodized aluminum and powder coat paint.



ENTRANCE SYSTEMS

Elegance RAILS



1 3/4" W x 10" H

PL-1000



1 3/4" W x 6" H

PL-600



1 3/4" W x 3 5/16/3 7/8" H

PL-350/387



1 3/4" W x 3 5/16" H

PL-150



Door rails are minimal metal(aluminum) glass support and door hardware attachment base. PL-Standard rail series are designed to capture various thicknesses of glass typically 3/8", 1/2" and 3/4".

Glass is set into PL-Standard rails through a wet glazing method using a high-strength controlled compression cement to create a perfect bond.

Sizes on PL-Standard rails range from 3 5/16" to 10" in height (custom sizes/modifications are available upon request).

Rails are engineered to accommodate any type of hardware from standard hydraulic swinging door controls, balanced door hardware, automatic door hardware to mechanical/ electric access controls.

Available metal finishes are aluminum anodized, powder coated, clad stainless steel or brass (brushed/polished) and US10B. Other finishes are available upon request consult PRL for details



Veloce Series rails with full size applied endcaps

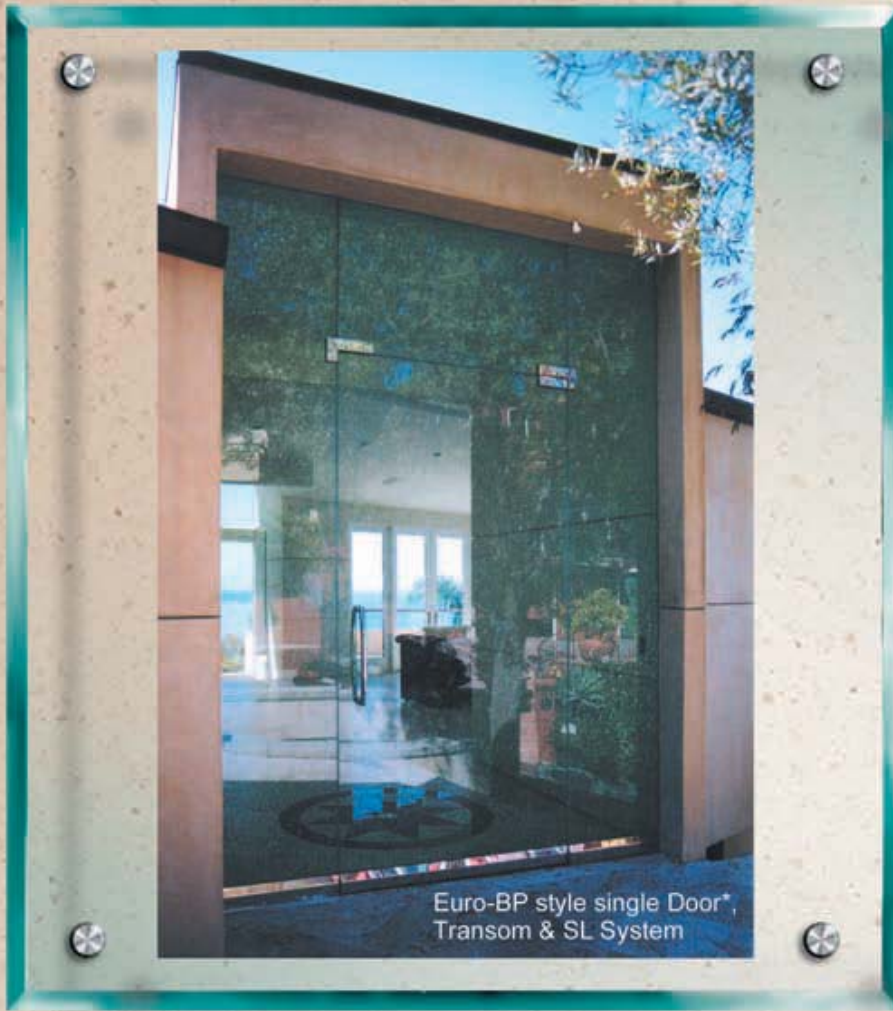


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DOOR STANDARD FITTINGS



PL-450
TRANSOM/SL/FIN/PIVOT BRACKET
4 1/8"H / 8 1/2" W



PL-440
TRANSOM/ SL/ PIVOT BRACKET
4 1/8"H / 8 1/2" W



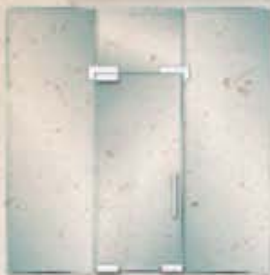
PL-414/424
BOTTOM / TOP PATCH FITTING
2"H / 6 1/2" W



PL-16500
LOCK PATCH FITTING
2"H / 6 1/2" W



PL-467
SM(SIDE/TOP) FIN BRACKET
4 3/8"H / 4 5/8" W



TOTAL VISION SYSTEMS
BASIC CONFIGURATIONS

* State/local building codes may require doors bottom full rail.

PRL Total Vision System takes glass to a full magnitude with an absolute transparency, with Euro fittings that are a minimal metal door support offered in a combined modular dimension and engineered to accommodate door hardware.

Fittings use a dry/mechanical glazing method with precision bolt in a versatile modular dimension (2" x 6/12"). Feature removable coverplates with available finishes in aluminum anodized, Stainless steel and brass (brushed/polished).

Custom modifications available upon request*
*some limitations may apply



PULLS



PL-3
10"/12" CC



PL-3 Offset
10"/12" CC



PL-5
10"/12" CC



PL-8
10"/27 3/4" CC



P Style entrance system with custom pulls in #4 satin stainless steel

PRL Push/Pulls offer a significant degree of flexibility.

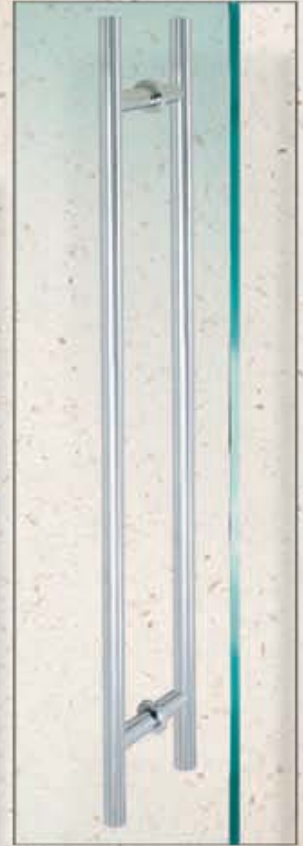
The metal push/pulls are available in several finishes to match or harmonize with most door styles and architectural frames

Custom pulls are also available upon request from Trimco, F & S, Elms & others.

PULLS



F Style Doors with euro-fittings and 84" Ladder Style Pulls

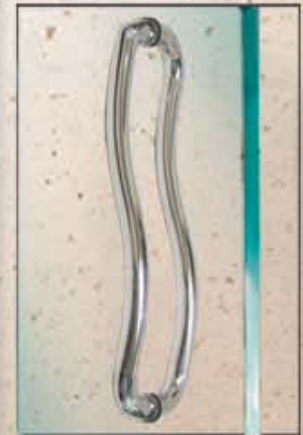


PL-LADDER

36" / 48" - 60" / 72" - 72" / 84" CC / OAL



Custom Full Frame Doors with SB-Gluechip artwork and 84" Ladder Style Pulls



PL-SCULPTURED

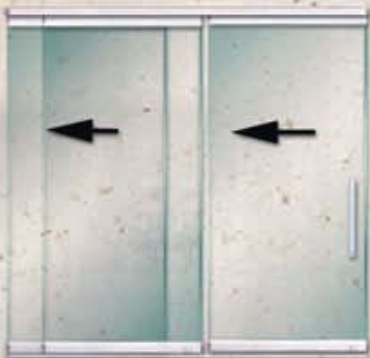
16 3/4" CC



CUSTOM GLASS PULL



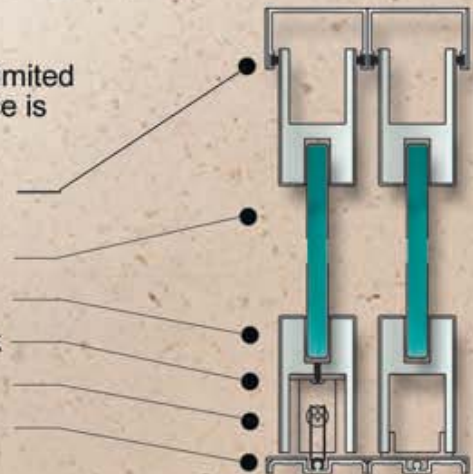
ENTRANCE SLIDER SYSTEMS



Bottom Roller Systems

PRL **Sliding Systems** offer unlimited options wherever valuable space is critical with,

- Top Sliding track
(2 3/8" W x 3/8" H)
- Single/Multiple Panels
- Top/Bottom Rail
- Bottom straddle SQ bolt lock
- Tandem roller
- Bottom Sliding track
(2 3/8" W x 3/8" H)



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GLASS SYSTEMS

Consult PRL for system horz/vert span limitations.

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ENTRANCE SLIDER SYSTEMS



PRL Dual Top Hung Sliding Systems

- Single/ Multiple Panels
- Top/Bottom rails



Top Sliding track
(2 3/8" W x 2 1/8" H)

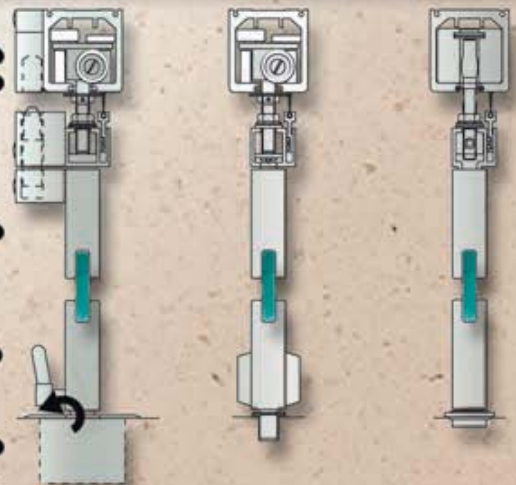
Rollers Carrier

Top/Bottom Rail
(1 3/8" T/B W x 3" T/4" B H)

Adapter/
Bolt knob

Floor closer

*System is subject to change without notice. Consult PRL for horz/vert span limitations.



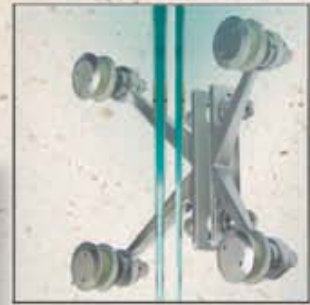
**Dual
Dual Swing/
Sliding**
(manually operated)

**Sliding
In-line
or Stacking**

**Swing
Swing
only**



ENTRANCE SLIDER SYSTEMS



PL-SPDR

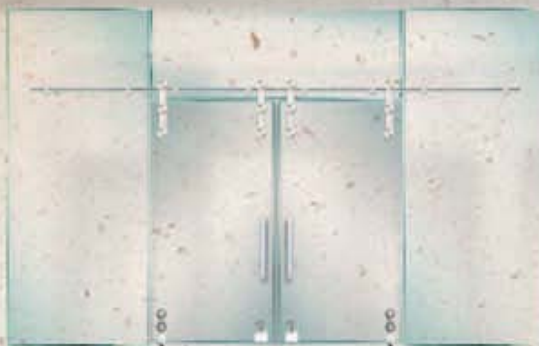
SPIDER FITTING
7 7/8" H/W CC

Consult PRL for system horz/vert span limitations.



PL-MSSB

SLIDING/SWING FITTING
7"H CC / 1 3/8" W



Top Hung Manet Slider System



Door Swing System



PL-MSB

SWING PIVOT
1 3/8"D / 13 3/4" H



- Single/Multiple Panels
- In-line/Angular
- Frameless panels
- Point hanger/roller system
- Point Bottom Guide/Pin
- Point lock



PL-MFG

FLOOR MOUNT GUIDE
1 3/8"H / 2" L



PL-MLF

MANET LOCK FITTING
4 1/2"H / 2 1/4" W

PRL GLASS SYSTEMS

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www.prlglass.com



SHOWER / STEAM UNITS

Custom fabrication with **expert**
CRAFTSMANSHIP

- Now offering,**
- 2-3 Day Sliders Service
 - New Textured Glass Patterns



with the fastest **leadtimes** in the industry guaranteed!



PRL GLASS SYSTEMS

(800) 433-7044

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Prestigious Hotel-Casinos/ Glazing Contractors



trust PRL as a supplier
on their important projects
and proudly announce,



HOTEL OVERVIEW

HOTEL ROOMS

We are to announce the opening of our new beautiful 21-story hotel tower. This tower has 450 rooms, including 103 suites. This brings the total to 653 spacious hotel rooms for you to choose from. Each room features one king or two queen size beds, a large luxury bath with tub, and a separated **glass-enclosed shower area**. Enjoy the Ultimate Getaway.

knowing that PRL,
configures...

units with the most
accurate layout software



offers...

the widest variety
of hardware and finishes



& fabricates...

glass with state
of the art machinery



to deliver...

on schedule, **COMPLETE UNITS**



101 suite
units



20 spa
units



450 room
units

PRL has the fastest leadtimes in the industry, guaranteed!

30

PRL GLASS SYSTEMS

- precut assemblies
- veloce service
- free local delivery

(800) 433-7044

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NU-VISION *Series*

SHOWER / STEAM UNITS

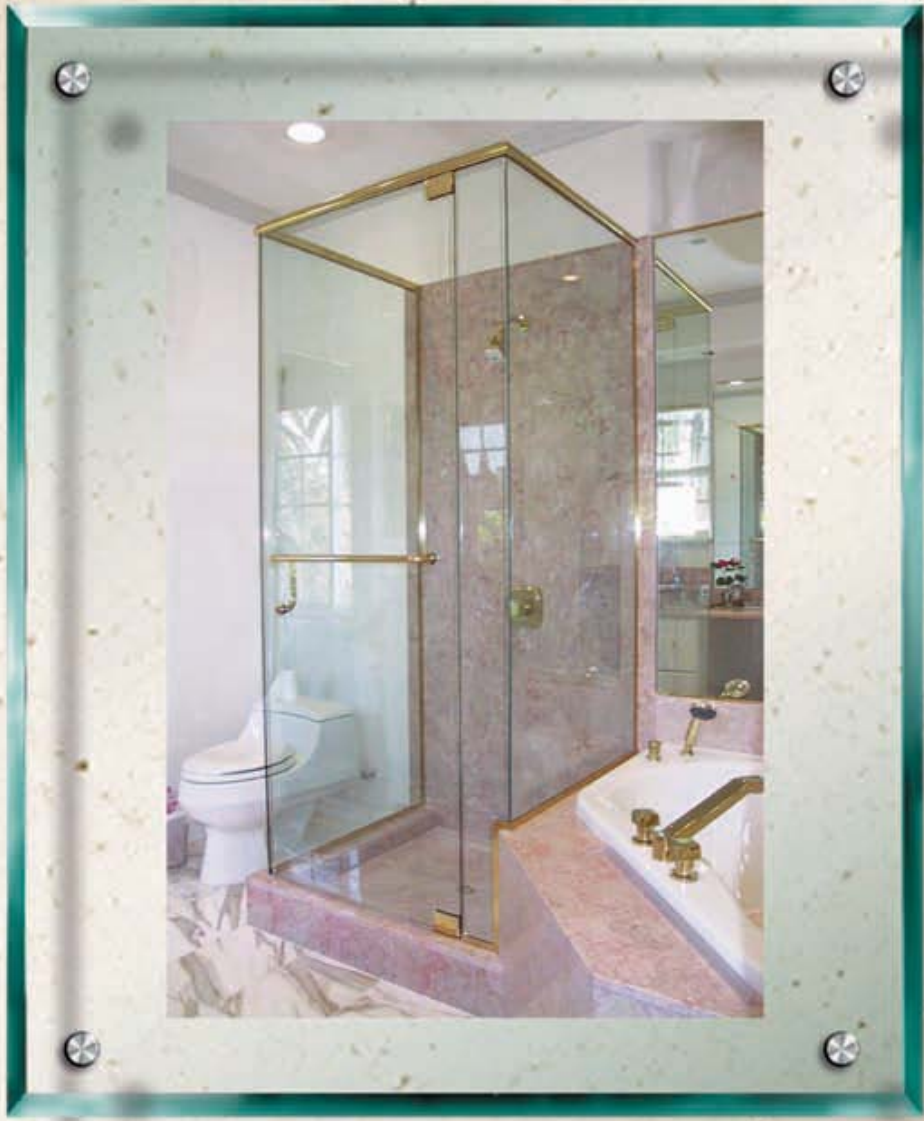
Shower and steam units offer an elegant accent to the bath environment and enhances custom tile or marble work.

Nu vision frameless units feature,

- Hinge/Pivot Swing or Slider Doors
- Water/Steam Tight Seals
- 1/4", 3/8" or 1/2" Glass
- Clear, Textured or Sandblast Glass
- Tempered Safety Glass
- Custom Glass/Metal Fabrication

PRL custom Nu-Vision shower and steam units have met the most creative design concepts and intricate field conditions.

For this reason, PRL units are the professionals choice.





NU-VISION *Serious*

SHOWER / STEAM UNITS

Nu-Visions are fabricated in detail to practically any geometric configuration. These are some examples.



Single door



Double Doors



In-line



90 Degree



Slider



Splash panel





NU-VISION *Series*

SHOWER / STEAM UNITS



135 Degree



Steam Unit



Bifold



Sandblasted



Neo-Angle



Custom



HINGES

Nu Vision Shower/Steam units are made functional with the use of an extensive variety of fully engineered Pivot/Hinges.

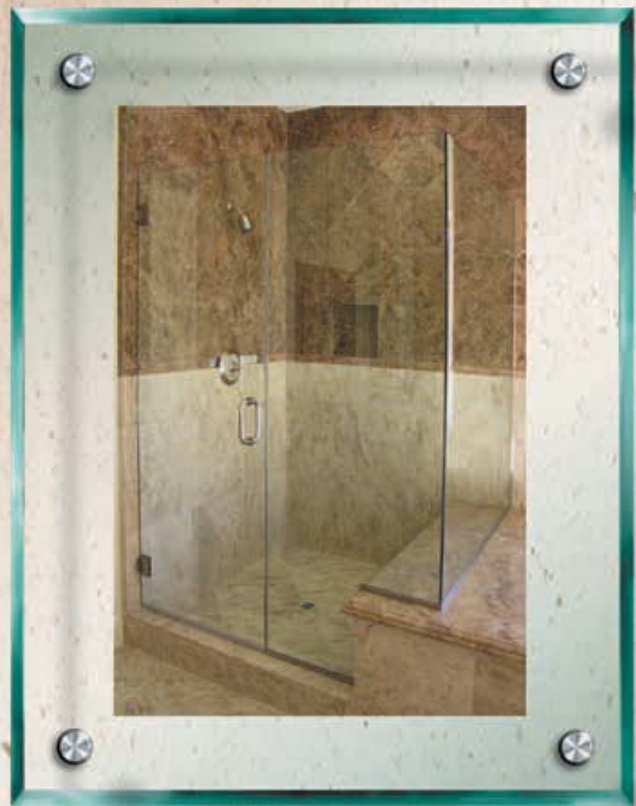


Available finishes are,

Chrome/brass (polished & brushed)
Plated nickel (polished & brushed)
White/black & custom powder coat
Oil rubbed bronze

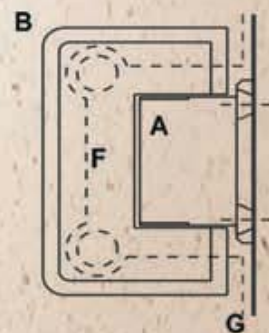
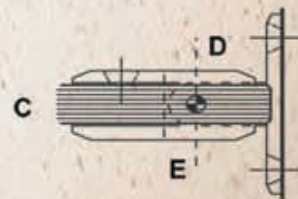
Applications include Wall mount, Glass to Glass, off-angle, etc.,
 Please consult PRL for hardware/finish availability. Hardware styles are
 subject to changes without notice

PRL GLASS SYSTEMS



Standard PL-Hinges feature,

- A- Water-tight design
- B- Radius corners/beveled edges
- C- 3/8"/1/2" glass range
- D- Self-centering w/25° range
- E- Reversible pivot pin 0°/5°
- F- 45 lbs weight capacity
- G- 1/8"-3/16" Tight glass gaps



PULLS

Illustrated here are our standard SD pulls which offer a significant design flexibility and are available in several finishes.

PRL Pulls feature,

- 3/4" Brass Tubing or Solid Bar
- 1 1/4" dia. style plates
- 6", 8" or Custom Size*
- Crystal Knob
- 12", 18" and 24" Towel bar
- Acrylic pull/towel bar

Applications include back/back, single mount, pull/towel bar, etc.,



New Styles available!



*available as a towel bar



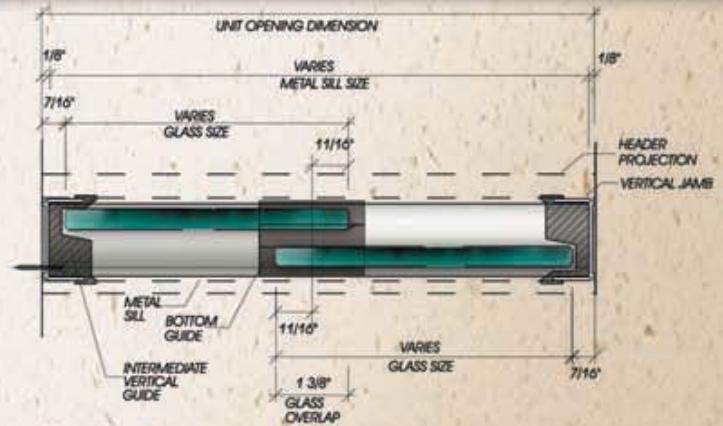
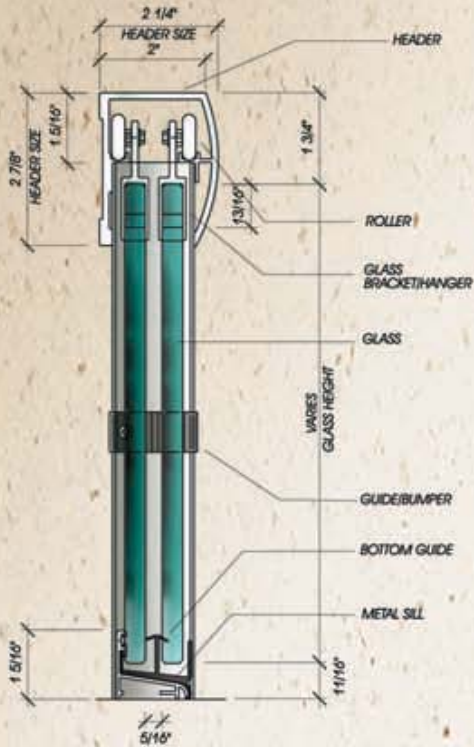
TUB / SHOWER SLIDERS

Nu-vision shower sliders are offered in 1/4" & 3/8" glass thickness, in 60" tub/72" shower slider standard heights or custom configuration to fit almost any field condition.

Sliders are assembled with precision engineered metal extrusions for heavy glass loads.



- Available finishes are,
- Bright-dipped silver/gold Anodized
 - White powder coat
 - Plated brushed nickel



Standard hardware are,

A - Single towel bar



B - Single knob



TUB / SHOWER SLIDERS

offering 1/4", 5/16" & 3/8" glass,

- clear
- tinted
- textured
- custom sandblasted



5/16"
MASTERLIGNE



5/16"
MASTERPOINT



5/16"
MASTERRAY



5/16"
MASTERCARRE



3/8"
GLUECHIP



3/8"
EURORAIN

NEW! 2-3 day service* on slider units

*for standard in line units Max size 72" x 72" in Chrome or Brushed nickel, from confirmation date. Please consult PRL for details

SEALS

Steam and water leaks are minimized with the use of clear polycarbonate/vinyl profiles offered in various shapes to fit almost any field condition.



SUPPORT ELEMENTS

PRL SD units are strengthened by a variety of exposed support elements that provide an alternative for a clean frameless appearance.

Among these are,

Headers, U-channels, Clamps and Glass Corbels



PL-AH ALUMINUM HEADER



PL-SB SUPPORT BAR



PL-SSH STAINLESS STEEL CLAD HEADER



PL-UCH U CHANNELS



PL-GC GLASS CORBEL



- Applications include,
- Headers- **Wall mount**
90°/135° In-Line Sections
 - Support Bar- **90°/135° Neo-angle**
 - Clamps- **Surface Mount**
90°/135°/180° Fixed Glass to Glass
135°/180° Tilt transom / Fixed Sidelite

- Available finishes are,
- Headers/U-Channels- **Stainless Steel (polished & brushed)**
Brass (polished & brushed)
Bright/Brushed Dip Clear/Gold Anodized
 - Oil rubbed bronze**
Plated nickel (polished & brushed)
White & custom color powder coat

Support Bar/Clamps*-

Chrome/brass (polished & brushed) *All of the above except anodized finishes

Please consult PRL for hardware/finish availability. Hardware styles are subject to changes without notice



PL-C CLAMP

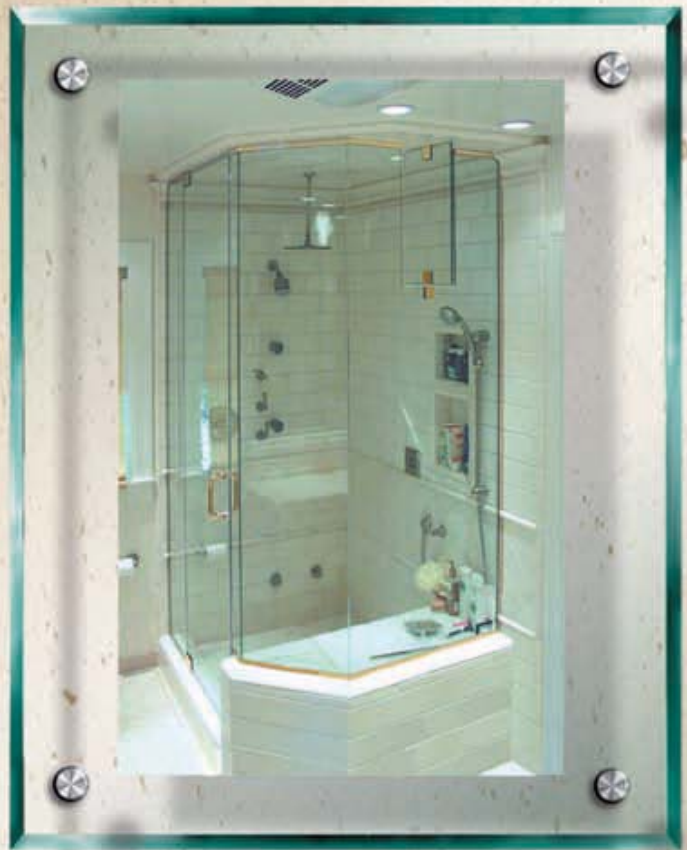
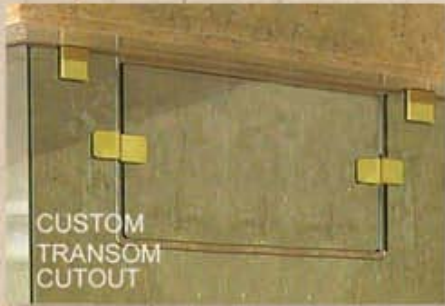


PL-EVC CLAMP



PL-TG CLAMP

GLASS FABRICATION



PRL Custom glass fabrication on shower and steam units will meet the most creative design concepts and intricate field conditions.





3 New patterns!

LISTRAL*
VANIA
THELA
*shown
call for samples

3/8" LISTRAL*



3/8" RAINYVIEW



3/8"-1/2" OCEANIC



3/8"-1/2" FULL SB

TEXTURED GLASS



In some instances designers will require discrete privacy on shower and steam units. In these conditions textured glass becomes the perfect solution.

Various 5/16" - 3/8" glass patterns are available to choose from. Please consult PRL for availability.



5/16" MASTERPOINT



5/16" MASTERLIGNE



5/16" MASTERRAY



5/16" MASTERLENS



TEXTURED GLASS



3/8" ACID ETCH



3/8"-1/2" DOUBLE GLUECHIP



3/8" RAIN



3/8" MASTERCARRE



3/8"-1/2" SINGLE GLUECHIP



CUSTOM GLUECHIP/
SANDBLAST BORDER



MASTERCARRE W/CUSTOM WAVE TOP

krystal TEXTURED GLASS



PRL exclusively offers a low iron krystal clear 3/8" textured glass, that provides discrete privacy with a unique diffused transparency.

Select from various patterns .



storm



serenity



glacier



rain



flutex

PRL GLASS SYSTEMS

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www.prlglass.com

SANDBLASTING

Nu-Vision SD units becomes, distinctive with surface or deep carved custom artwork images.



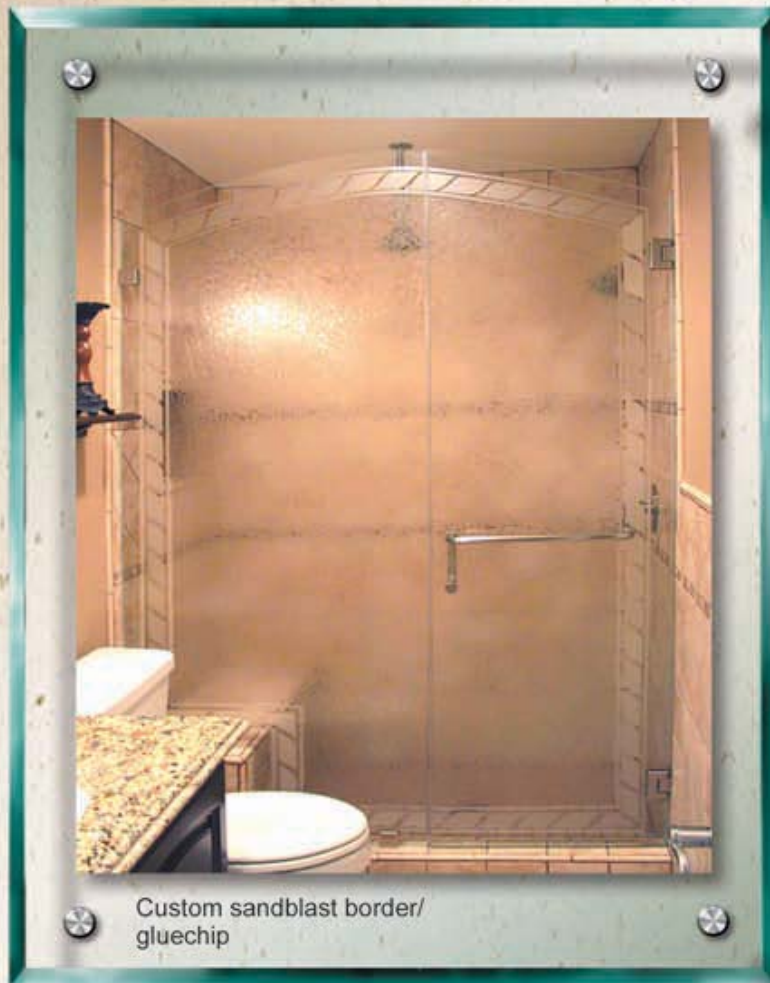
Banana leaves artwork



Custom top w/ roses



Lily blooming computer layout/
sandblast artwork



Custom sandblast border/
gluechip

PRL Designers/Artists are available to assist you with your design work through an extensive computer and hand drawn graphics/images.

Elaborate concepts can be accomplished in coordination with customer's CAD drawings/graphics in standard formats.



Splash panel w/Mystic Artwork

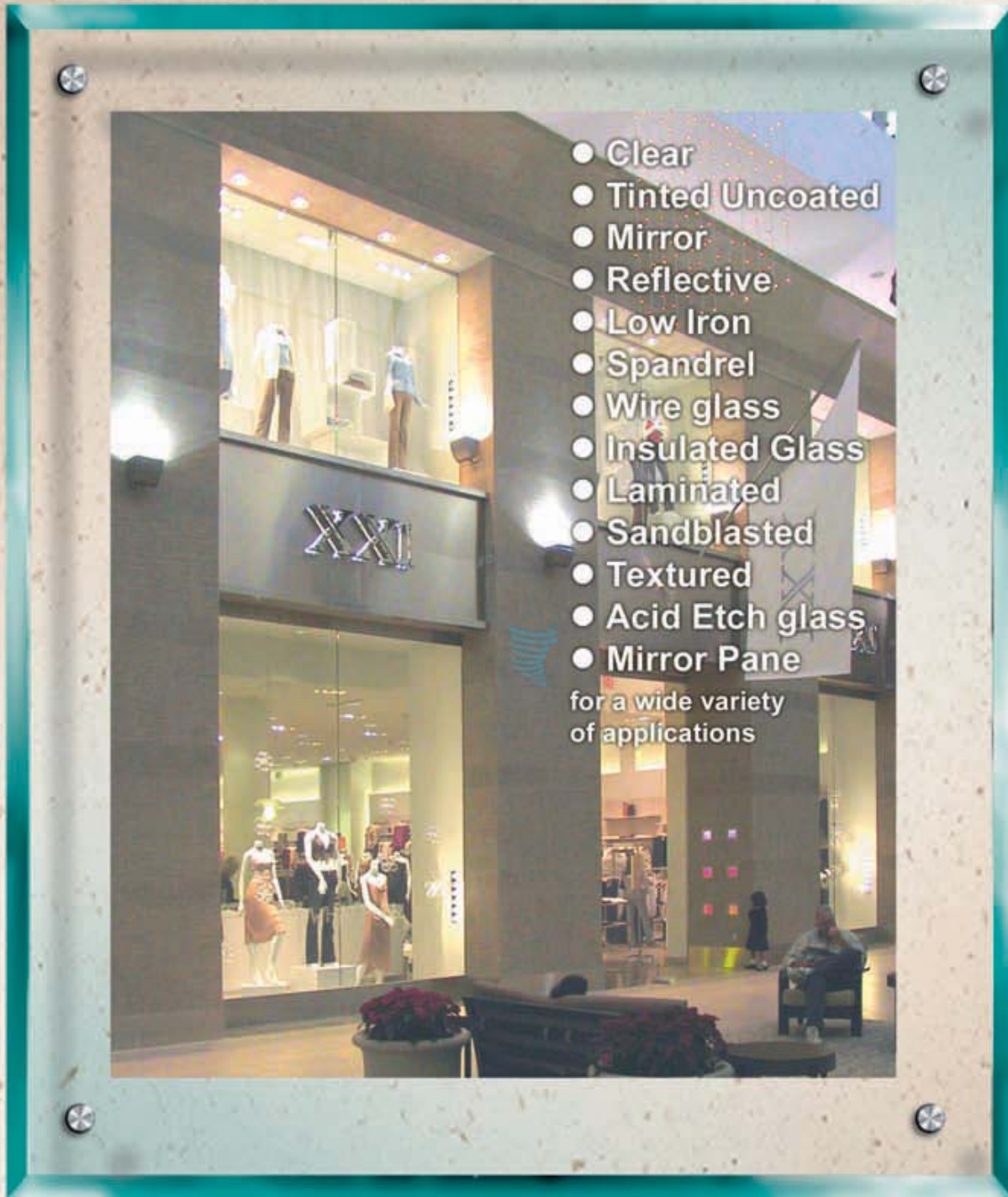


Architectural

GLASS

Next Day*
service available!

*consult PRL for details



with the fastest **leadtimes** in the industry guaranteed!

PRL GLASS SYSTEMS

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GLASS

CLEAR GLASS

Offers excellent optical properties with high light transmittance and visibility.

Available in 1/8" to 3/4"



SHOWER GUARD™ GLASS

- Permanently maintains glass surface smooth, easy to clean with a new technology. That does not require to be reapplied or rejuvenated with after care products

Available in 1/4", 3/8" & 1/2"

LOW IRON GLASS

Practically colorless for unlimited applications.

- Starphire*
- Diamante/Optiwhite

Available in 1/4"* to 3/4



LOW-E

Provides excellent thermal performance with a consistent clear-neutral appearance

- Sungate 500
- Energy advantage
- Reflective LOW-E (Eclipse Advantage)



WIRE GLASS

Ideal for areas where safety is a factor, since it maintains its integrity when fractured.

Offered in 1/4" thickness with a diamond mesh.





SPANDREL GLASS

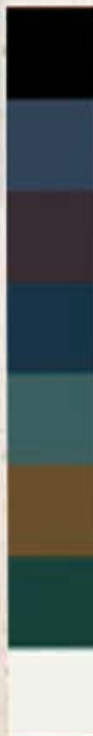
Its offered with, ICD OPACI-COAT 300 water based silicone coat, which is not heat-treated.

Applicable on annealed, tempered glass, and reflective products. Available in a wide range of colors,

Please contact us for details



Standard Colors



- #1-818 Black
- #3-820 Harmony Gray
- #4-822 Harmony Bronze
- #6-0025 Harmony Blue
- #2-743 Harmony Solex
- #4-975 Lava Bronze
- #2-0225 Evergreen
- #0-0186 Light White

Custom Colors



- #2-0213 Aged Copper
- #6-0194 Fjord
- #5-936 Red

GLASS

TINTED UNCOATED

Provides excellent solar control with a versatile range of tints. Offers high levels of natural daylight while lowering solar heat loads. Available in 1/4" or in other thicknesses if *noted.

Note: Samples shown are for illustration purposes only, colors may vary from actual samples. Performance data is available upon request. Please consult PRL for details and availability.



Bronze
*1/8", 3/16", 3/8" & 1/2"



**Evergreen/
Atlantica**



Green 2000



Gray
*1/8", 3/16", 3/8" & 1/2"



**Solexia/
Green**
*1/8"



Super Gray



Blue 2000



Azuria
*3/8" and 1/2"



Blue



Blue Green
*3/8"

GLASS

REFLECTIVE

A pyrolytically-coated glass for improved solar control. That also offers UV rays protection and blocks solar heat.

Available in 1/4" or in other thicknesses if *noted.

Note: Samples shown are for illustration purposes only, colors may vary from actual samples. Performance data is available upon request. Please consult PRL for details and availability.



Solarcool Gray



Blue 2000T



Solarcool Bronze
*3/16"



Green RC



Green 2000R



Green 2000T



Evergreen Eclipse
Advantage LOW_E



Mirror Pane



Solarcool Azuria



Blue RC



Blue 2000R

TEXTURED GLASS

5/16"-1/2" TEXTURED GLASS

Residential applications are the most common, such as shower and steam units. For these areas textured glass becomes the perfect solution.

Various 5/16-3/8 glass patterns are available to choose from.



5/16" MASTERRAY



3/8" MASTERCARRE



1/4", 3/8", 1/2"
SANDBLASTED



1/4", 3/8", 1/2"
GLUECHIP



5/16" MASTERPOINT



5/16" MASTERLIGNE



1/4", 3/8" RAIN



1/4", 3/8", 1/2"
ACID ETCH/MATTE



5/16" MASTER-LENS



5/16" RAINYVIEW



3/8" LISTRAL*, VANIA,
THELA



CUSTOM GLUECHIP/
SB DESIGN

TEXTURED GLASS

5/32"-1/4" TEXTURED GLASS



● 3/16" BAMBOO FROST



● 3/16" CLEAR FLEMISH/



● 1/8" CLEAR DELTA



● 1/8" CROSSREED SMOOTH ROUGH



● 1/4" NIAGARA 3/16" RAIN



● 5/32", 1/8", 3/16" P-516



● 3/16"-1/2" BRONZE GLUECHIP



● 1/4, 3/16", 5/16" SLANDER VIEW/REEDED



● 3/16" BAMBOO



● 5/32" DELTA FROST



● 1/4" WIRE-OBSOURE



● 3/16" AQUATEX

PRL GLASS SYSTEMS

Note: Samples shown are for illustration purposes only, color/designs may vary from actual samples. Please consult PRL for details and availability.

(800) 433-7044

www.prlglass.com

TEXTURED GLASS

3/8" LOW IRON TEXTURED GLASS

krystal clear

PRL exclusively offers a low iron/Krystal clear textured heavy glass, that offers diffused transparency while allowing subtle light transmission for areas that require discrete privacy.

The inherent heavy glass strength allows its decorative values to expand to unlimited functional applications such as shower enclosures, interior glass doors, partitions, etc..



Flutex Toilet enclosure

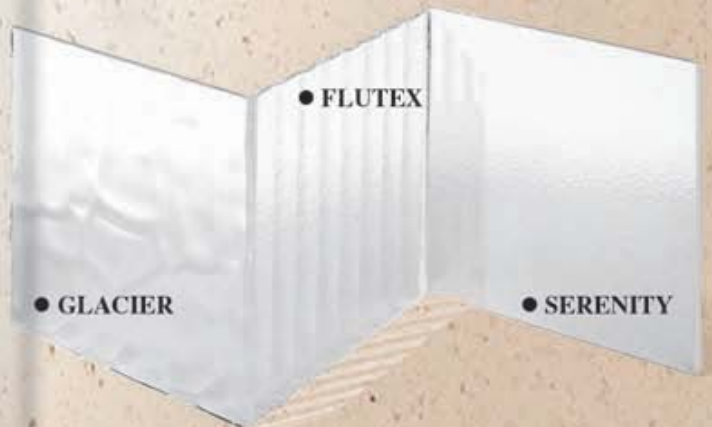


Flutex closet door



● STORM

● RAIN



● GLACIER

● FLUTEX

● SERENITY

*max size' 60 x 84

Note: Samples shown are for illustration purposes only, color/designs may vary from actual samples. Please consult prl glass for details

GLASS SPECIALTIES



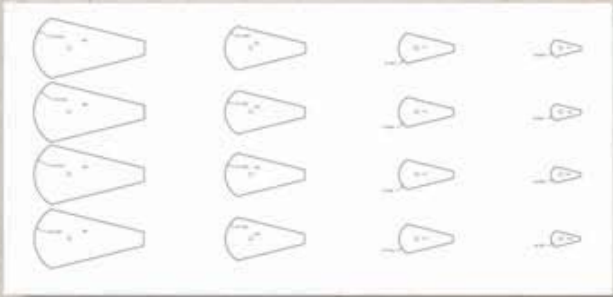
180 Glass Layers Sculpture

CONTEMPORARY GLASS

Aesthetically and challenging artistic concepts are met by a liaison between expert craftsmanship and computer controlled robot-fabricators, offering CNC precision and jewel like artistic edge fabrication to suit the most demanding projects



Individual glass layer



CAD/CAM layer layout



COUNTERTOPS

Custom glass countertops applications are unlimited. Corporate, commercial, office facilities and restaurant/bar lounges are no exception.

Designers use glass countertops to allow natural light to fill interior spaces while still practical by allowing the view of fine decorations and security systems monitors.

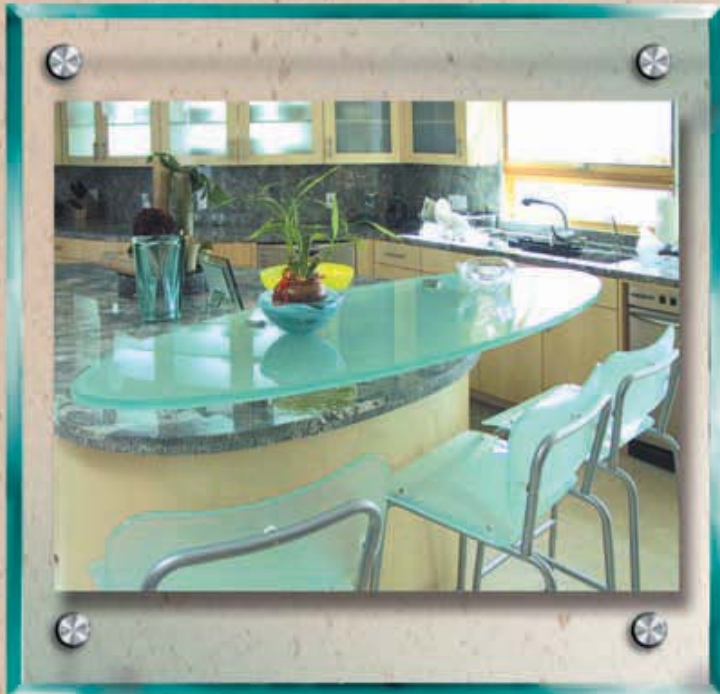


GLASS SPECIALTIES

TABLETOPS

PRL Custom glass-tops have contributed to complete tasteful & refined decor, with

- multiple hole drilling
- compound shapes
- accurate pattern cut
- oversize conference tabletops
- exotic edging
- special glass (lami thick/color combinations)

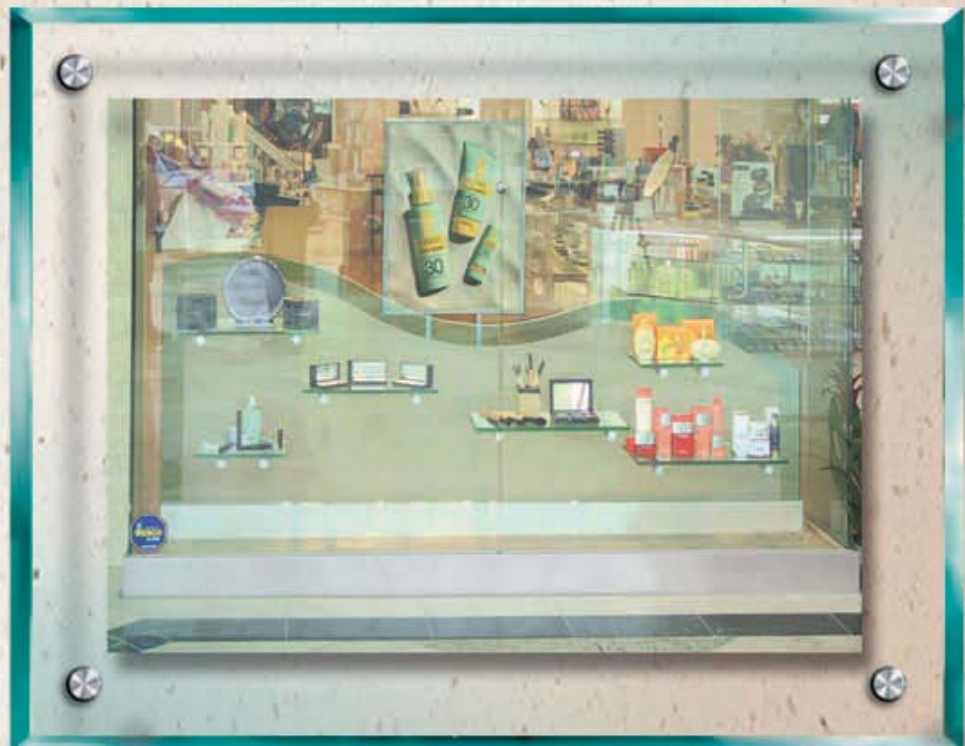


DISPLAYS

PRL custom displays offer unlimited adaptability to unique design concepts integrating the beauty and the strength of tempered glass with the elegance of,

- custom metal frame
- custom glass shelves
- third-party hardware
- complex pattern cutting

to create a distinguished exhibition element for valuables.



52



GLASS SPECIALTIES



MIRROR

PRL enhances the mirror elegance with,

Standard Edges

- polished
- beveled

Custom Edges

- multiple bevels, etc.,

V-Groove

Safety backing
cat. I & II

Sandblast artwork



SINKTOPS

PRL sinktops offer the perfect match to modern gravity-support elements with,

- exotic edges
- hand-polishing
- opaque glass
- free-form shapes
- countersink holes
- jewel-brilliance w/color coated background

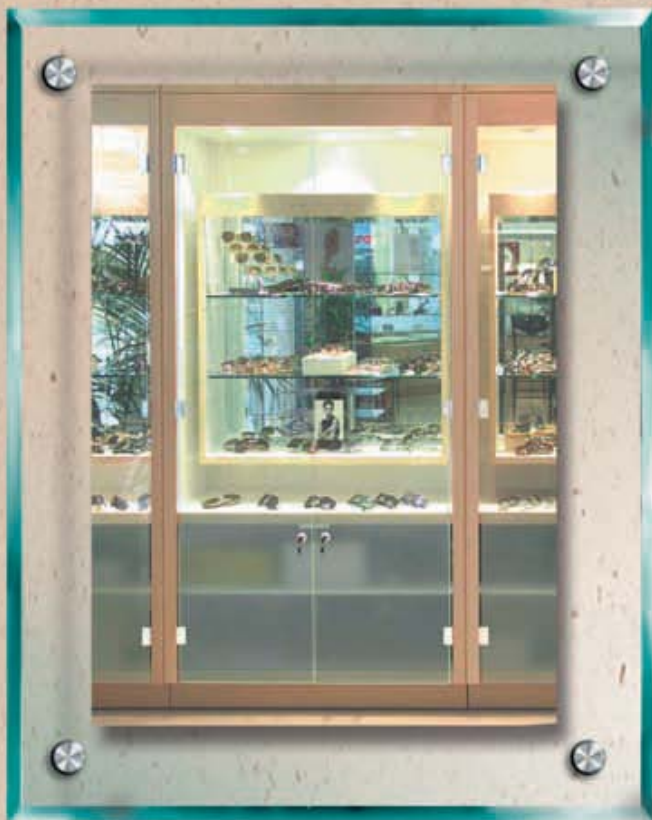
for a remarkable elegance.





GLASS SPECIALTIES

SHOWCASE



PRL custom cabinet glass offers maximum exposure with the advantage of,

- custom fabrication
- tempered glass
- hole drilling
- special notches

and functional hardware that will keep valuables accessible and safe at the same time.



Contemporary trends in design have incorporated glass as an integral element in residential, commercial and office environments.

A creative combination of fabrication,

- special edges
- complex holes & notches
- custom miter
- elaborate shapes

will allow perfect glass furniture assemblies.

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PRL GLASS SYSTEMS

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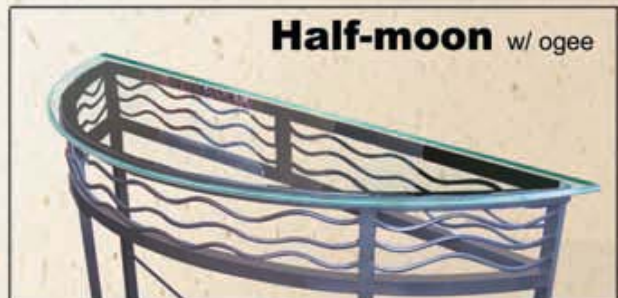
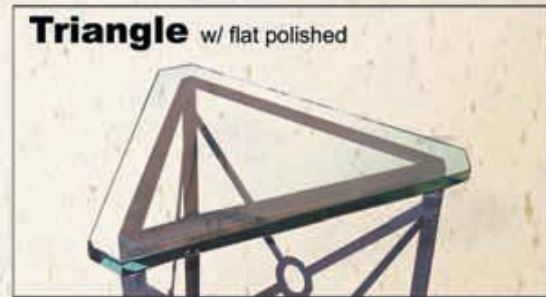
TABLETOPS

PRL custom tabletops have contributed to complete tasteful and refined decor.

Offering,

- standard geometry
- complex shapes
- overlay
- custom inset*

*frame or pattern are required



Easily **Maintained with...**



**Now! Available on
most glass surfaces**

Note: Samples shown are for illustration purposes only, color/designs may vary from actual samples. Please consult prl glass for details

PRL GLASS SYSTEMS

(800) 433-7044

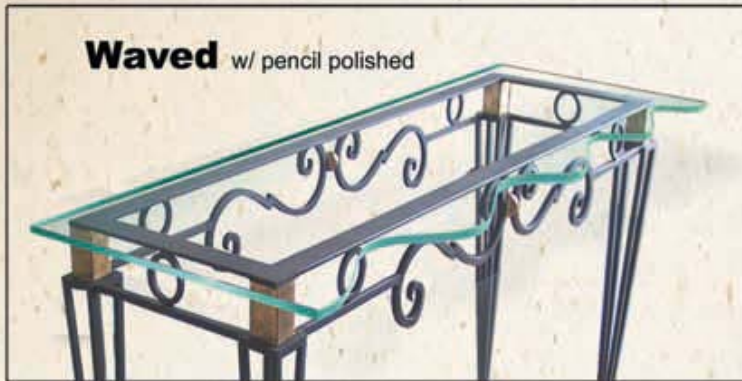
www.prlglass.com

TABLETOPS

Custom shapes and edging on heavy glass reflects PRL expert craftsmanship.

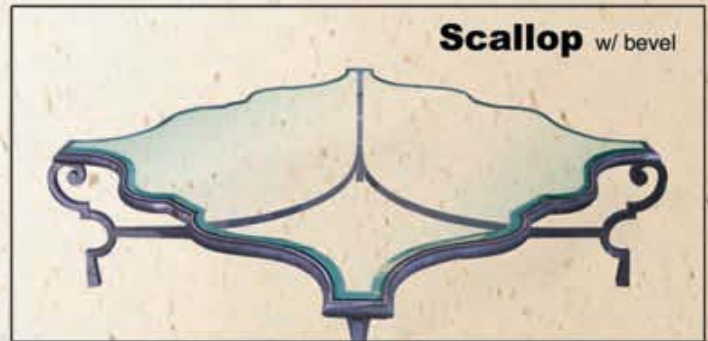
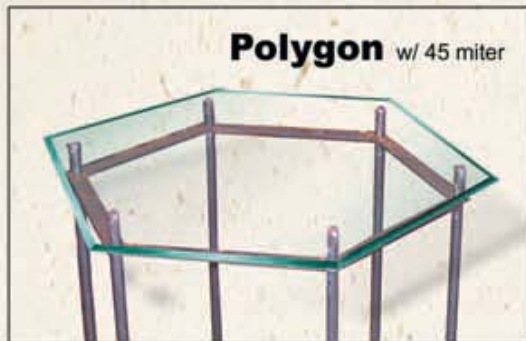
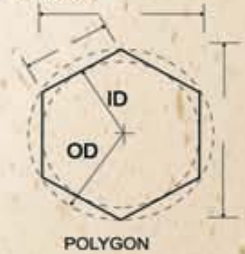
Among other applications are,

- Residential dining coffee end/sofa
- Office conference desk
- Commercial display countertop



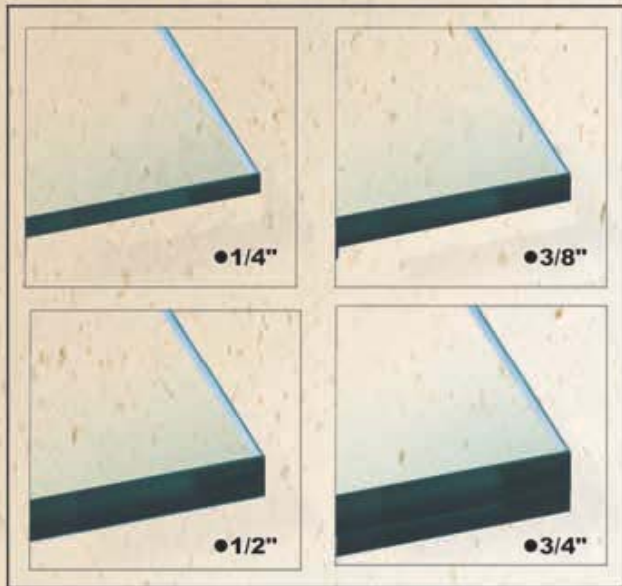
Templates...*

*available upon request

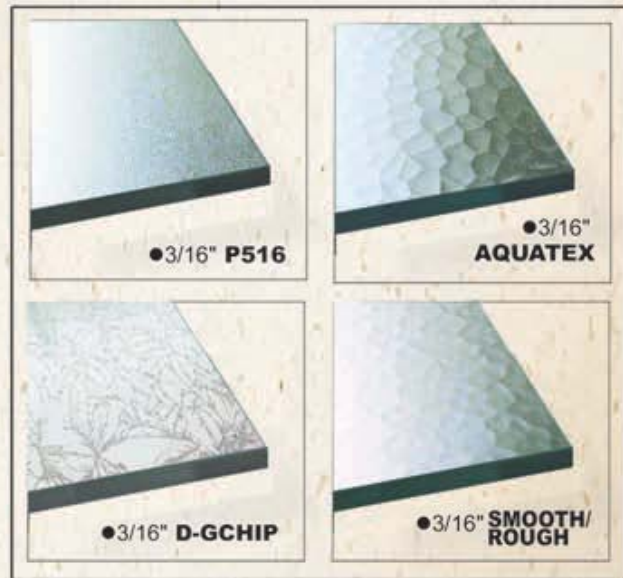


TABLETOPS

Thicknesses...



Texture...



Fabrication...



- INNER MANUAL EDGING
- COMPLEX DRILLING
- INNER CUTOUTS
- ROBOT FABRICATION



CAM Geometry/Fabrication

TABLETOPS

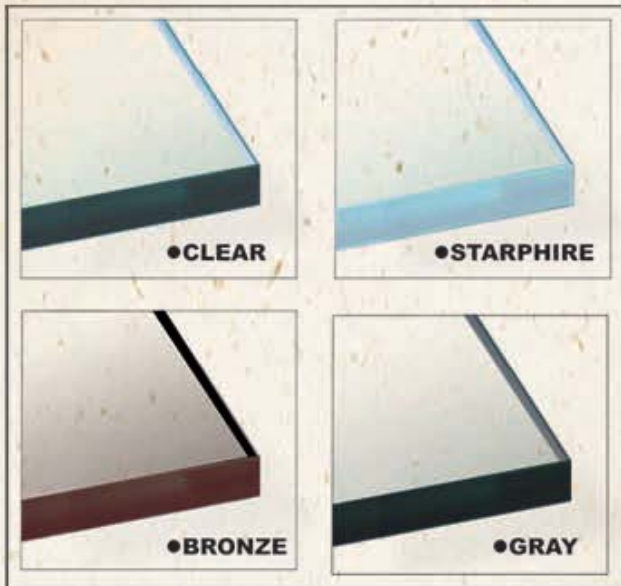
Sandblast...

●CUSTOM DESIGN*

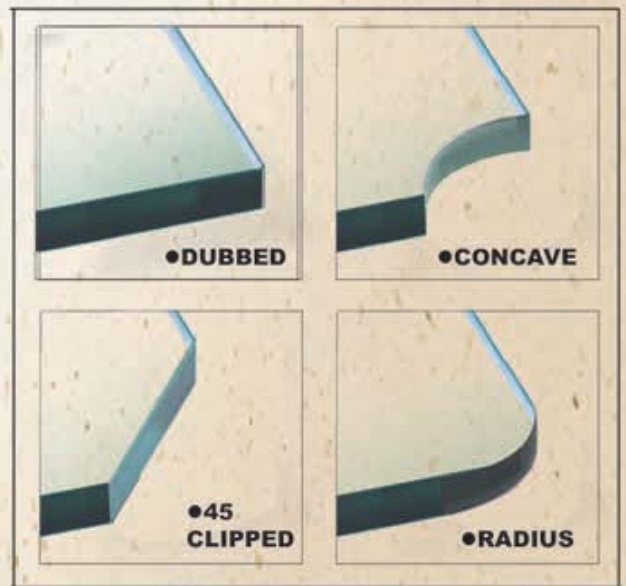
*SPECIFICATIONS REQUIRED



Colors...



Corners...



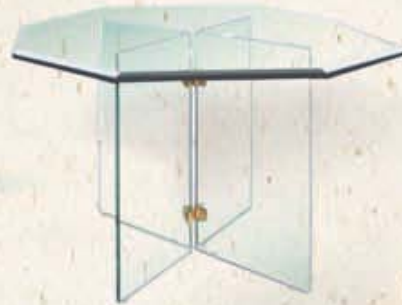
TABLETOPS

IMPORTED STANDARD TABLETOPS

PRL offers an economical, high quality alternative on glass tabletops with imported standard tabletops.



Various shapes, sizes and edgework options are offered, please consult PRL for details.



● OCTAGON



● OVAL



● ROUND



● BOAT SHAPE



● RACETRACK

Seating charts...

● AVAILABLE UPON REQUEST

RACETRACK OVAL

DIMENSIONS		APPROXIMATE SEATING
LENGTH	WIDTH	
44	34	4
55	36	6
82	36	8

GLASS EDGES

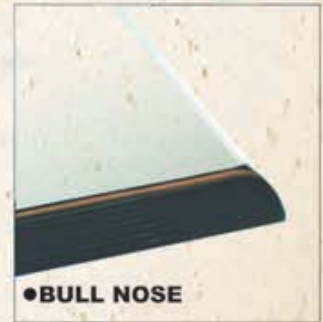
PRL enhances natural glass elegance with innovative hand crafted edges. Various shapes are offered from ground to polished bevel for a wide range of applications. Customized edges are available upon request. Please consult PRL for details



Countertop
w/ full sandblast



● **FLAT POLISHED**



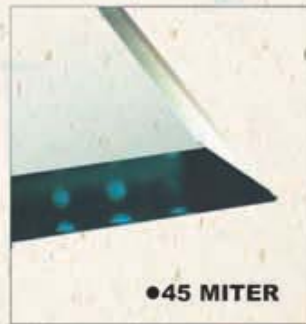
● **BULL NOSE**



● **CHIPPED & FROST**



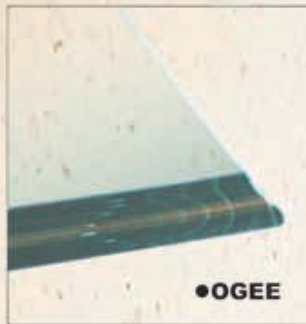
● **BEVEL**



● **45 MITER**



● **DOUBLE BEVEL**



● **OGEE**



● **WATER FALL**



● **PENCIL POLISH**



● **ROPE**



● **OCEAN SURF**



● **DOUBLE CHIP FANCY**



● **CHIPPED & POLISHED**



● **OCEAN SURF W/ WAVES**

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Note: Samples shown are for illustration purposes only, color/designs may vary from actual samples. Please consult prl glass for details

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I.G. UNITS



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I.G. UNITS

INSULATED GLASS UNITS

PRL I.G. Units are a high quality, total energy performance product that translates into reduced energy cost and increased comfort.

Total energy performance units features

Dual seal

Primary seal, Butyl

Secondary seal, Polysulfide (standard)

Argon gas-fill (optional)

3/16"-3/4" Aluminum Spacer with integral desiccant

1/8"-1/2" Glass thicknesses

Unit thickness from 1/2" inches to 1 1/2" inches



Applications,

Insulated glass helps to maintain inside room temperatures while saving energy.



Residential



Commercial

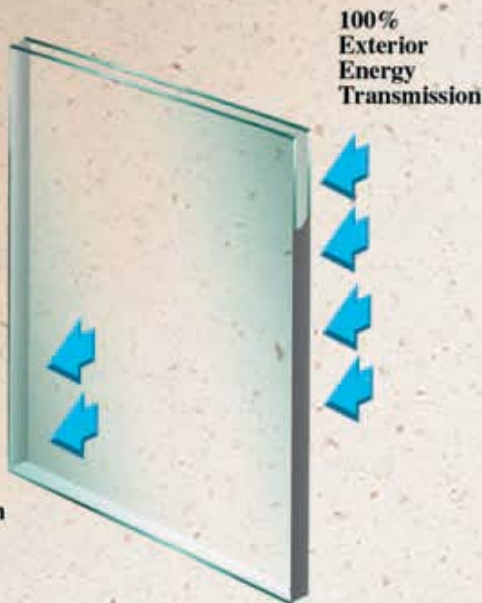




I.G. UNITS

Insulated Line

I.G. Units are manufactured in a **NEW** state of the art Lisec Vertical I.G. production line to offer you the **highest quality** available in todays market.



*Graph for illustration only. Actual performance depends on the particular make-up of each unit.



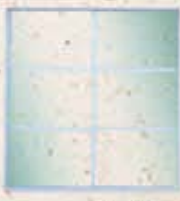
Common Insulating,
PRL I.G. Units can be composed of two or more sheets of float or coated glass.

Providing heat or cold insulation, condensation and soundproof resistance

Spacer finishes
 Clear anodized aluminum
 Dark bronze anodized aluminum
 Light bronze anodized aluminum
 Custom colors available



Shapes



Grids

I.G. Unit line capabilities
 •Max. sizes 137" x 98"
 •Min. size 6" x 6"
 •Production of 1200 units per 8 hr. shift
 •Lead-times are 2 to 3 working days
 •24 hour service available upon request
 •Thickness from 1/2" to 1 1/2 "



I.G. UNITS

Dual Glazed Insulated Units Combinations

(Annealed, Heat Strengthened or Tempered)

1/8" GLASS

- 1/8 AZURLITE/EVERGREEN / 1/8 CLEAR
- 1/8 CLEAR / 1/8 CLEAR
- 1/8 CLEAR LOW E / 1/8 CLEAR
- 1/8 GRAY, BRONZE / 1/8 CLEAR
- 1/8 GRAY, BRONZE / 1/8 CLEAR LOW E
- 1/8 GRAYLITE 31 / 1/8 CLEAR
- 1/8 P-516 / 1/8 CLEAR
- 1/8 SOLEX / 1/8 CLEAR

3/16" GLASS

- 3/16 AZURLITE/EVERGREEN / 3/16 CLEAR
- 3/16 CLEAR / 3/16 CLEAR
- 3/16 CLEAR LOW E / 3/16 CLEAR
- 3/16 GRAY, BRONZE / 3/16 CLEAR
- 3/16 GRAY, BRONZE / 3/16 CLEAR LOW E
- 3/16 SOLARCOOL BRONZE / 3/16 CLEAR
- 3/16 SOLEX / 3/16 CLEAR

1/4 GLASS

- 1/4 2000 R / 1/4 CLEAR
- 1/4 AZURLITE / 1/4 CLEAR
- 1/4 BRONZE / 1/4 CLEAR LAMINATED
- 1/4 CLEAR / 1/4 CLEAR
- 1/4 CLEAR / 1/4 CLEAR LAMINATED
- 1/4 CLEAR LOW E / 1/4 CLEAR
- 1/4 EVERGREEN / 1/4 CLEAR
- 1/4 GRAY, BRONZE / 1/4 CLEAR
- 1/4 GRAY, BRONZE / 1/4 CLEAR LOW E
- 1/4 GRAYLITE 14 / 1/4 CLEAR
- 1/4 CLEAR SANDBLAST / 1/4 CLEAR
- 1/4 MIRROR PANE / 1/4 CLEAR
- 1/4 SOLEX, BLUE, BLUE-GREEN / 1/4 CLEAR
- 1/4 VERSALUX 2000 / 1/4 CLEAR
- 1/4 SOLRCOOL GRAY, BRZ / 1/4 CLEAR

Also available:

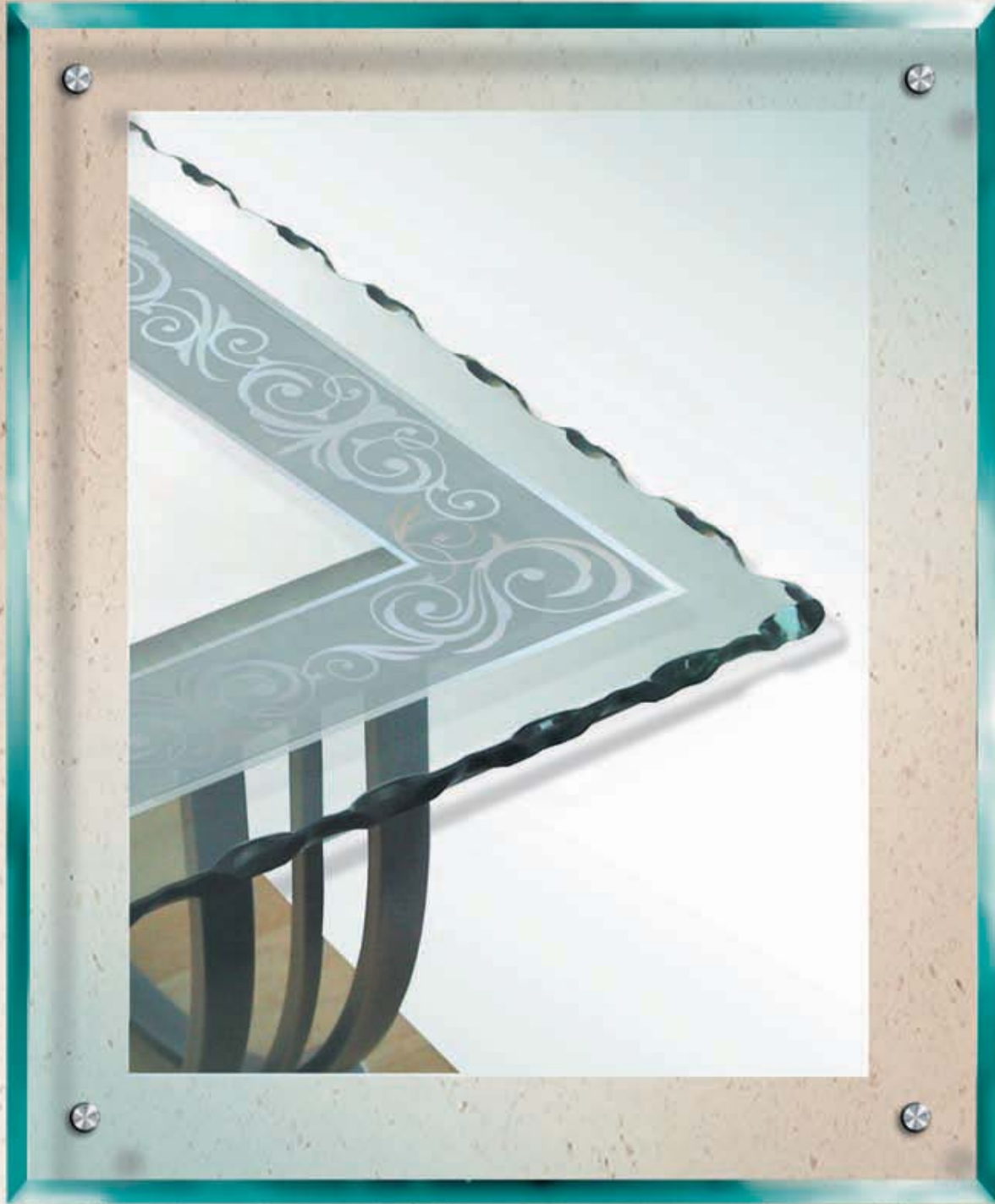
Argon Gas fill, Breather Tubes (Required for altitudes over 4000ft) & Grids

SANDBLASTING

CUSTOM SANDBLASTED GLASS

PRL glass becomes, distinctive with surface or deep carved custom artwork images such as ornamental objects or corporate logos.

- Surface Sandblast
- Carved
- Artistic





SANDBLASTING

Ornamental Designs

PRL sandblast artwork enhances glass elegance with surface or deep carved custom designs such as,

Ornamental

- leaves
- floral



Full Sandblast/Clear Design

Mythical Designs

Artistic

- mythical concepts
- Contemporary Designs

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Splash panel with Mermaid





SANDBLASTING

Border Designs



Tabletops



PRL Designer/Artists are available to assist you with your design work through an extensive computer and hand-drawn graphics/images files.

Elaborate design concepts can be accomplished in coordination with Architects/Designers CAD drawings/ graphics (standard formats).

Logos





SANDBLASTING

Ornamental Designs

Oceanic Designs



Ocean/Dolphin Artwork



Custom/Design Artwork

Applications range

- Entrance doors
- Shower Enclosures
- Tabletops
- Reception Areas
- Conference rooms
- Decorative Glass

and many others.

Nature Designs



Tree/Butterfly Artwork

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PRL makes sandblasted glass

MAINTENANCE

Easier with **DS** DIAMOND SEAL

- Improves sandblasted glass
- Simple Maintenance
- Conditioner enhanced
- Eliminates harsh cleaning methods

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ARCHITECTURAL METALS



Brakeformed Metal Shapes

- Head/Sill flashing
- Angles
- Hat
- J-Z Shapes
- Open/Closed Corner
- Channel

Clad

- Full Frame Doors
- Door Header/Jambs/T-Holds
- Storefront Framing
- Canopy
- Column Covers
- Cornices
- Panel Pans

Handrail

- Top Cap
- Miter Returns/Corners
- Connectors

Metal Finishing

- Mirror Polishing
- Directional Satin Brush





ARCHITECTURAL METALS



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Custom clad door/frame

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GUARDRAILS/HANDRAILS



Handrail System with Clear Glass and Top Cap Brushed Stainless Steel Railing

PRL GLASS SYSTEMS

(800) 433-7044

As a safety barrier, around metal top cap in straight or formed sections. Available in brakeformed (1 1/2" to 4" Dia. In 1/2" increments) stainless steel, brass (brushed/polished) or extruded aluminum mill, anodized/Powder coated as standard finishes.

As a baluster system, the strength depends on a proper mount to a structural element such as a steel frame or concrete, various methods are suggested (top, side or flush mount). Please consult PRL for details.

Code requirements vary depending on location/type of building, please consult State/local ordinances for full compliance.

We are **extruding** our own glass baluster & offering,



or the complete system with **glass.**

GUARDRAILS/HANDRAILS





GUARDRAILS/HANDRAILS



73

Handrail System with Side Mount Railing in Polished Brass

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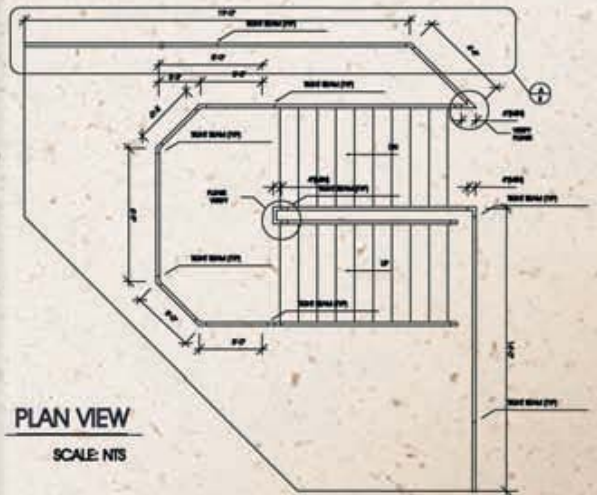


GUARDRAILS/HANDRAILS

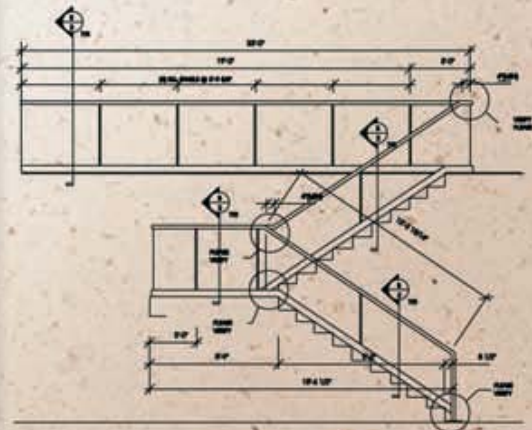


PRL offers a transparent Guardrail/Handrail system with great strength that will enhance the architecture of enclosed or open spaces.

Nu-vision Guardrail/Handrail system utilizes as a structural baluster, 1/2" flat tempered glass with clear, bronze and grey as color options or 9/16" bent laminated (textured and laminated patterns are also available upon request).



PLAN VIEW
SCALE: NTS



GLASS HANDRAIL SE ELEVATION
SCALE: NTS



CUSTOM Doors & Storefronts



75

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ARCHITECTURAL PRODUCTS

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CUSTOM Doors & Storefronts

offers an unlimited



CUSTOM DOOR
MUNTIN DESIGN AL-1
W/ REFLECTIVE GLASS

- Aluminum Entrance Doors
- All Glass Entrance Doors
- Hardware
- Custom Breakmetal
- Architectural Glass
- Custom Extrusions
- Complete Storefront Systems

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MEDIUM STYLE
W/ SURFACE MOUNT
PANIC DEVICE

● Free local delivery
& the Fastest leadtimes
in the industry
guaranteed!



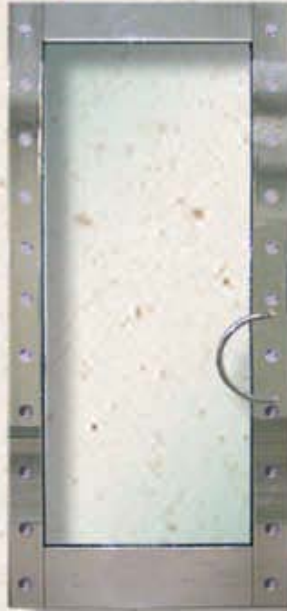
PRL Aluminum
ARCHITECTURAL PRODUCTS



adaptability to design concepts



CUSTOM DOOR
MUNTIN DESIGN AL-2
SLIDING HOWE & AZURIA GLASS



CUSTOM CLAD
DESIGN AL-C1 W/ STAMPED
ROUND ACCENTS



CUSTOM DOOR
MUNTIN DESIGN AL-3
W/ BRONZE GLASS



CUSTOM HEIGHT
W/ HORZ MUNTINS &
WHITE LAMINATED



NARROW STYLE
HORZ MUNTIN-BEVELED GLASS STOP
& MASTERLIGNE GLASS



WIDE STYLE
CLADDED CLASSIC MUNTIN
PATTERN

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offers complete
systems
**Glass,
Aluminum
& Hardware**



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SLIDING DOORS

Pocket System

Wall System

Custom System

Multi_Track System



PRL SL Series is a sliding door system designed as a versatile framed stacking system with a head/sill track, vertical jambs that allows unlimited adaptability with basic single pocket to multi slider configurations for areas where valuable space is critical.

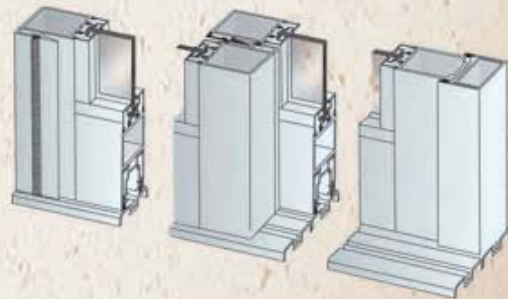


that offer unlimited, options...

- Bottom roller/Top hung systems
- Single/Multiple Panels
- In-line
- Multi-track
- Interlock system
- Narrow, Medium & Wide Door styles

& features...

- Rigid construction
- 4 point mechanical fastener
- welded corners
- weatherstripping
- Heavy-Duty extrusions
- Pull/Lock hardware
- Optional 1" glass stops
- ADA/Title 24 compliant
- Material
6063-T5 aluminum alloy



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Hardware

Bottom adjustable tandem rollers system will ease the open/close sliding efforts. Combination of weather stripped vertical stiles/head track and sill track minimizes the weather effects on exterior applications.

Sl series standard hardware are flush handles, hooklock and cylinders. Other types of hardware are offered as options such as flush lockset or custom pulls

Visit! our newly expanded
website today,

www.prlaluminum.com

Now you can easily download
useful information on,

- Aluminum Entrance Doors
- Storefront Systems
- Hardware
- Architectural Glass

& much more.



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- Aluminum Entrance Doors
- All Glass Entrance Doors
- Hardware
- Storefront Systems
- Architectural Glass
- Custom Extrusions
- Custom Brakemetal

with Free local delivery
& the Fastest leadtimes
guaranteed!





PRL

Aluminum
ARCHITECTURAL PRODUCTS

"We have the *fastest* leadtimes in the industry, guaranteed!"

Complete Storefront Systems

...fabricated to your specifications.

Ready to install!

Try! Our New Top-Load Center Glazed & offset systems
call us for details



80



Aluminum Extrusions

+



Entrance Doors

+



Glass

+



Hardware

= All in one P.O. from **PRL**



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201 SERIES

2" x 4 1/2"
1/4" OFFSET GLAZED

SPECIFICATIONS



The 201 Series is a versatile interior/exterior offset glazed system designed specifically to be glazed with 1/4" glass furnished in a complete line of extrusions and accessories to accommodate most job conditions.

This glazing system is available in 2"x 4 1/2" sections.

1-Specifications Materials.

1.1 All framing sections shall be extruded from 6063-T5 aluminum alloy.

1.2 All glazing beads shall be NS (non-stretch, high-shore) vinyl used on both sides of the glass. Vinyl shall incorporate a fiberglass cord bonded with the vinyl.

1.3 Sections shall conform to details and shall present clean, straight, sharply defined lines, and shall be free from defects impairing strength or durability.

1.4 All screws, nuts, bolts and fastening devices and internal components shall be of aluminum, stainless steel or other non-corrosive material.

2-Workmanship.

All factory preparation from detail drawings shall be so fabricated that field assembly will be able to produce accurate, tightly fitted joints.

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3-Finish.

Extrusions shall be free of scratches and other blemishes. Aluminum shall be given an Architectural class II (class I is available upon request*) protective anodic coating that conforms to industry specification standards (A21/Clear, A24/bronze) in (specify one) clear or bronze colors, others are available upon request*.

*please consult PRL Aluminum for details.

4-Installation.

4.1 Storefront components shall be installed in openings properly prepared. They shall be set plumb, square and level in exact alignment with surrounding work.

4.2 All joints between metal and masonry shall be fully caulked and field tested to resist water leakage with provisions taken to drain infiltrated water.

4.3 Framing assembly may require internal reinforcement and singular perimeter anchoring to meet particular conditions, along with specific engineering calculations.



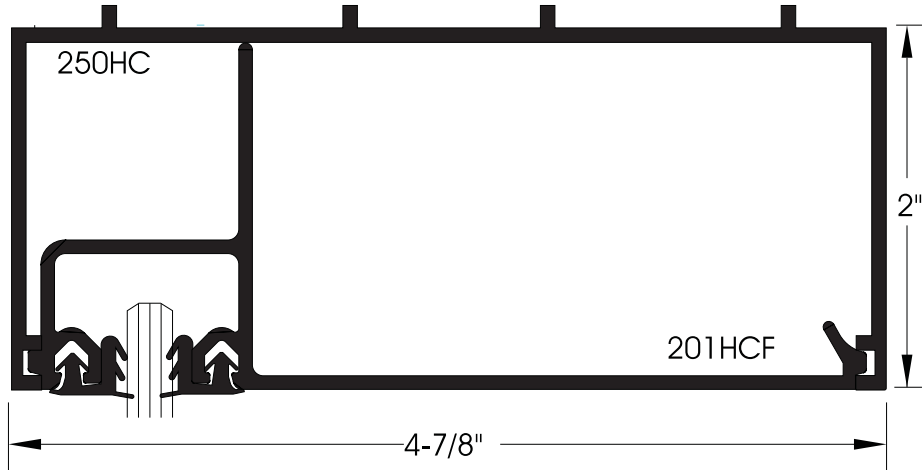


201 SERIES
 2" x 4 1/2"
 1/4" OFFSET GLAZED
FULL SCALE

HEAD CAN ASSEMBLY

PART NUMBER	201HCA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

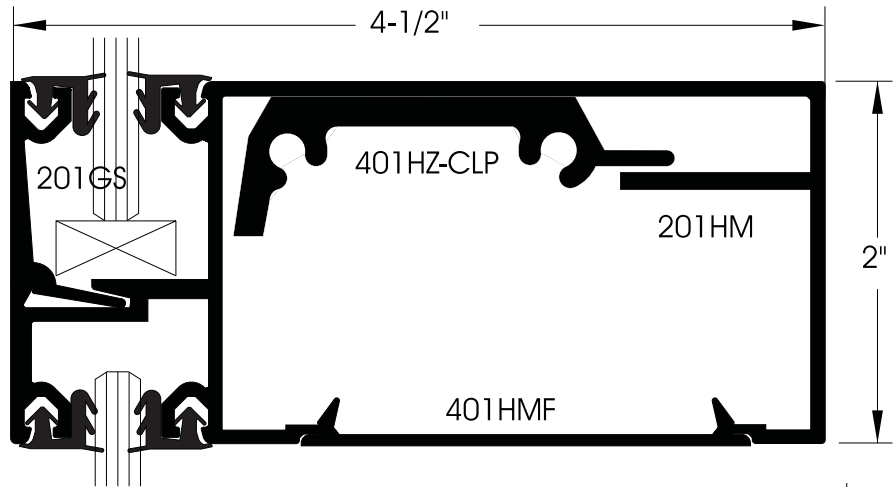
EXTERIOR/INTERIOR APPLICATION



INTERMEDIATE HORIZONTAL

PART NUMBER	201HMA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

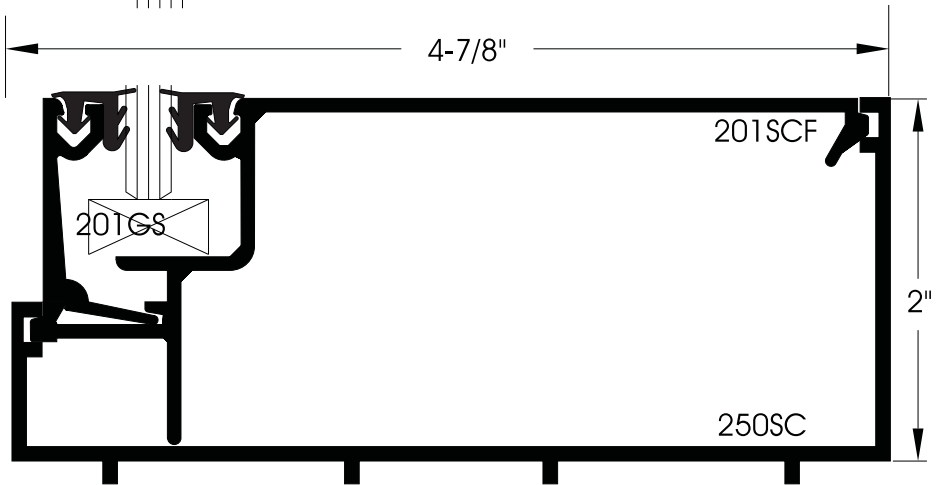
EXTERIOR/INTERIOR APPLICATION



SILL CAN ASSEMBLY

PART NUMBER	201SCA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

EXTERIOR/INTERIOR APPLICATION



MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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201 SERIES

2" x 4 1/2"
1/4" OFFSET GLAZED

FULL SCALE

WALL JAMB

PART NUMBER	201WJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

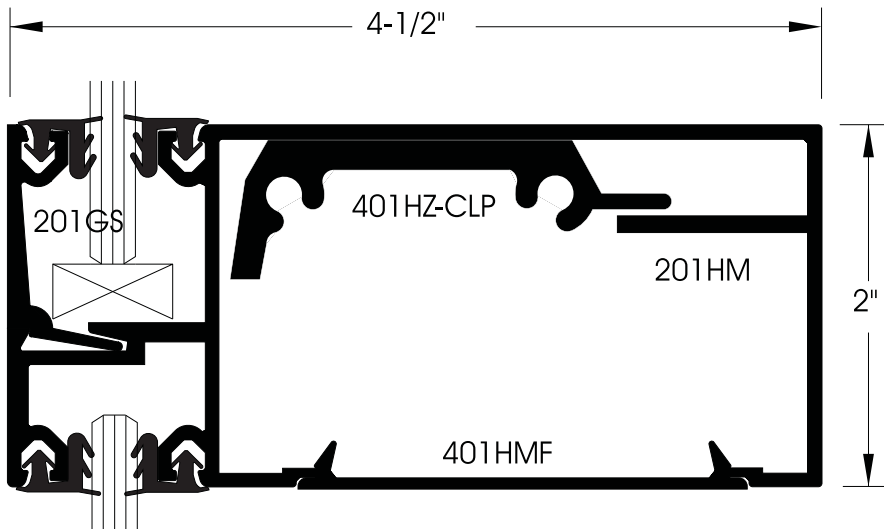
INTERIOR HEAD APPLICATION



INTERMEDIATE HORIZONTAL

PART NUMBER	201HMA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

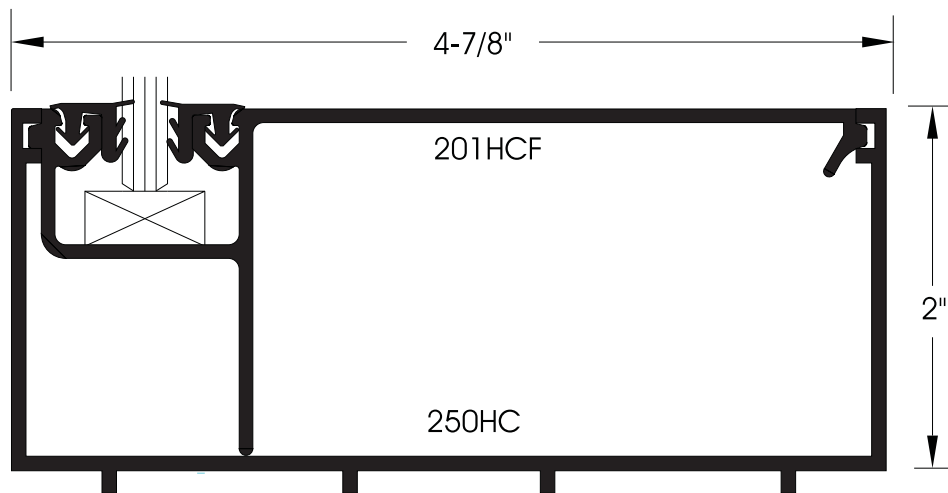
83



HEAD CAN ASSEMBLY

PART NUMBER	201HCA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERIOR SILL APPLICATION



MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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website: www.prlaluminum.com
e-mail: sales@prlaluminum.com





201 SERIES
 2" x 4 1/2"
 1/4" OFFSET GLAZED
FULL SCALE

WALL JAMB

PART NUMBER	201WJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERIOR HEAD APPLICATION

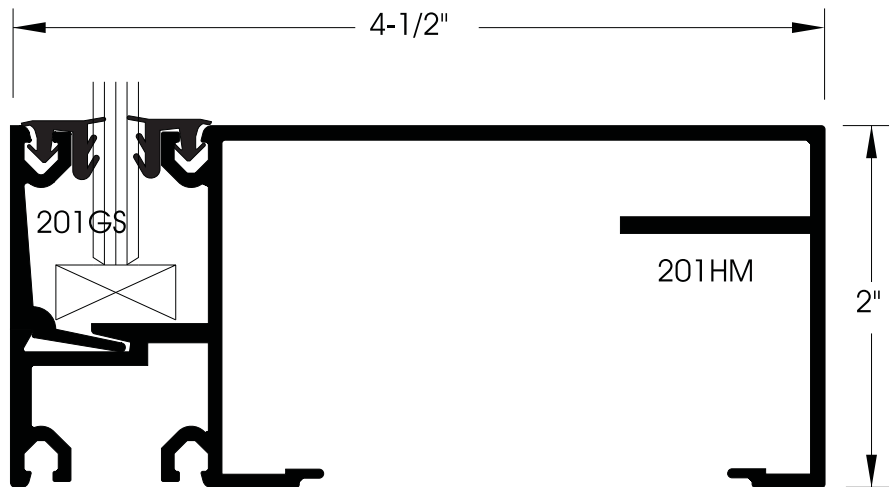


84

INTERMEDIATE HORIZONTAL

PART NUMBER	201HMA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERIOR SILL APPLICATION



MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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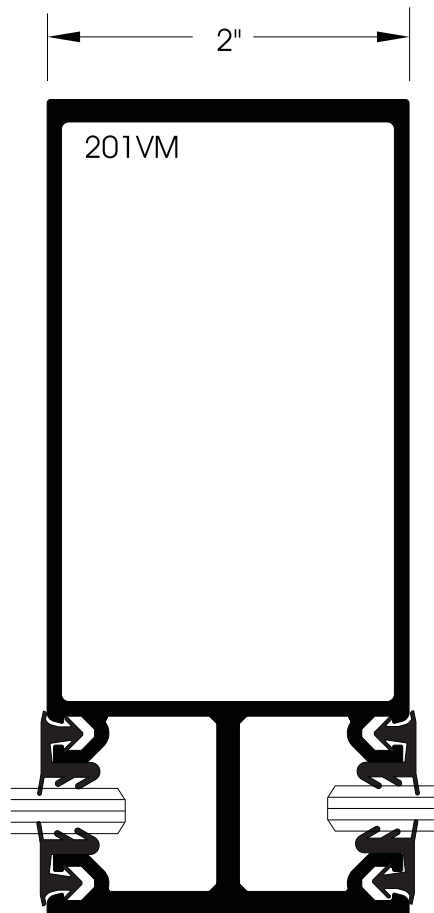
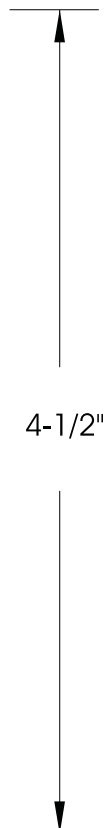
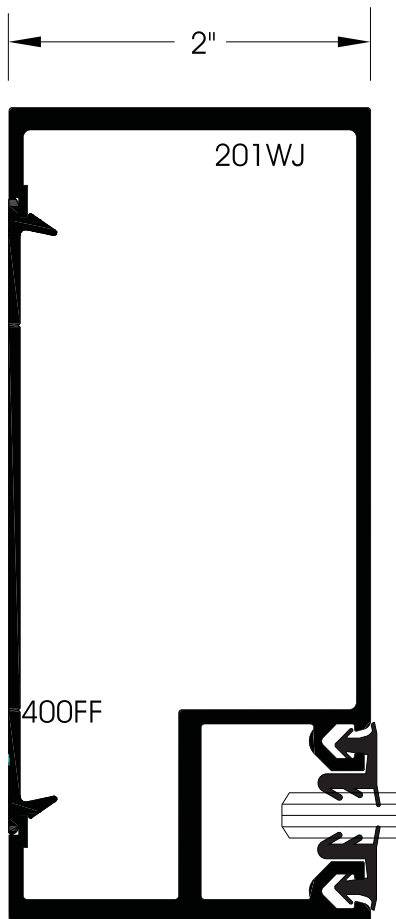




201 SERIES

2" x 4 1/2"
1/4" OFFSET GLAZED

FULL SCALE



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**WALL JAMB
+ FLAT FILLER**

PART NUMBER	201WJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

**VERTICAL
MULLION**

PART NUMBER	201VM
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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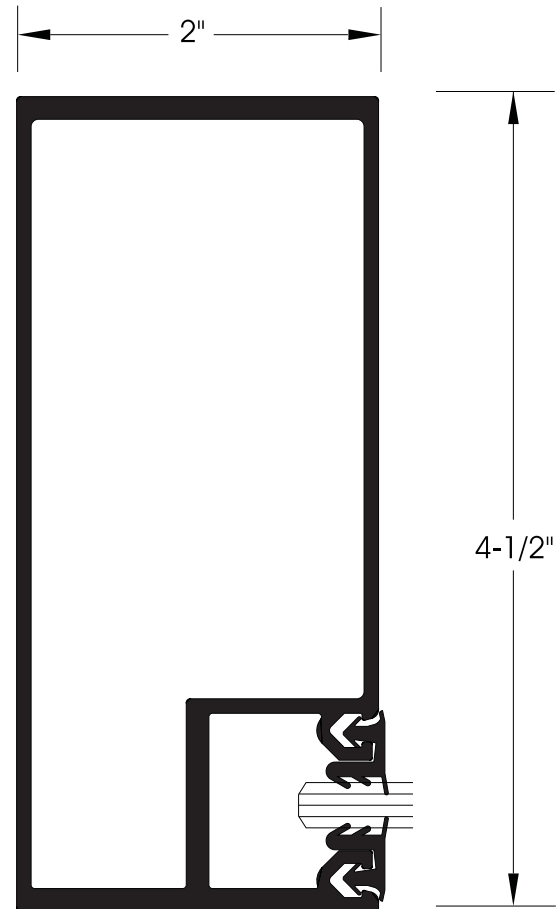




201 SERIES
 2" x 4 1/2"
 1/4" OFFSET GLAZED
FULL SCALE

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 ARCHITECTURAL PRODUCTS
 "We have the *fastest* leadtimes in the industry guaranteed!"

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DOOR JAMB

PART NUMBER	201DJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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201 SERIES

2" x 4 1/2"
1/4" OFFSET GLAZED

FULL SCALE


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WINDLOAD DESIGN

GLAZING FRAMING SHALL BE DESIGNED NOT TO EXCEED L/175, RATIO CURVES REPRESENT LIMIT.

VALUES ARE BASED ON CRITERIA FOR SIMPLE BEAM UNIFORMLY LOADED.

ALLOWABLE STRESSES FOR 6063-T5 ALUMINUM ALLOY = 9500 P.S.I

ALLOWABLE STRESSES FOR A-36 STRUCTURAL STEEL = 21600 P.S.I

1/3 INCREASE FOR WIND LOAD DESIGN IS ALLOWED BASED ON UBC. PROVISIONS

MAX. DEFLECTION BETWEEN SUPPORTS FOR SINGLE SPAN: $\Delta = d = \frac{5WL^3}{384EI}$

MAX. BENDING MOMENT FOR SINGLE SPAN: $M = \frac{WL^2}{8}$

NOTATIONS REPRESENT:

W = FULL UNIFORM LOAD

L = LENGTH OF MULLION BETWEEN SUPPORTS

E = 10×10^6 P.S.I

I = MOMENT OF INERTIA

M = BENDING MOMENT

NOTE:

WINDLOAD CHARTS FOR CORNER MULLIONS ARE BASED ON THE ASSUMPTION THAT THE SPACING ON EACH SIDE OF THE MULLIONS ARE EQUAL.

87

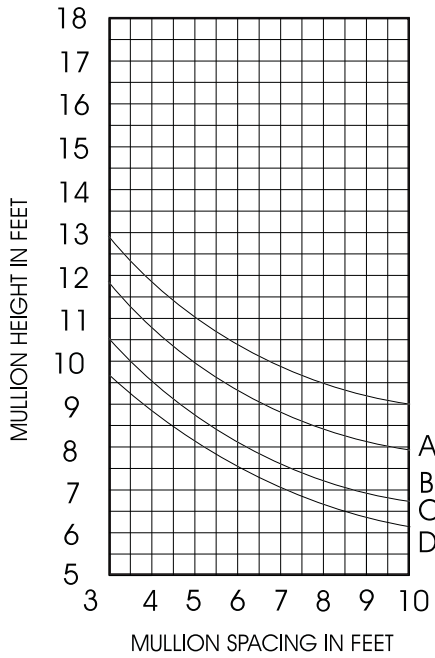




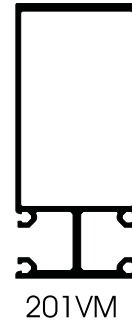
201 SERIES

2" x 4 1/2"
1/4" OFFSET GLAZED

WINDLOAD CHARTS

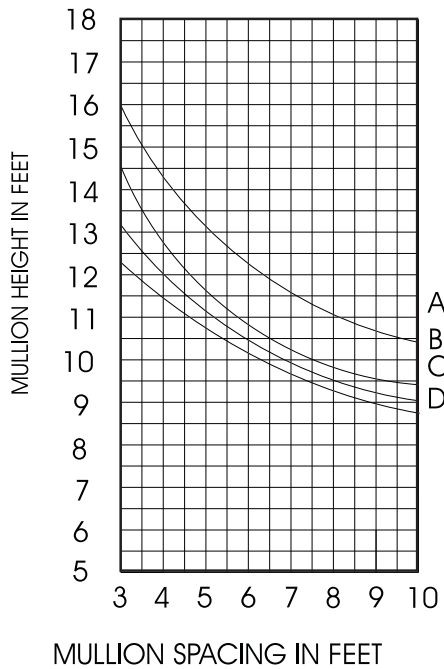


$I = 2.853 \text{ IN}^4$
 $S = 1.347 \text{ IN}^3$

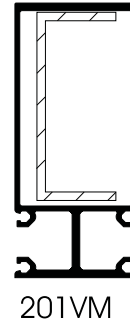


CURVE PRESENTATION

- A = 15 PS.F. (75M.P.H)
- B = 20 PS.F. (90 M.P.H)
- C = 25 PS.F. (100 M.P.H)
- D = 30 PS.F. (110 M.P.H)



$I = 6.212 \text{ IN}^4$
 $S = 2.933 \text{ IN}^3$



WITH STEEL REINFORCEMENT
1 5/8" X 3 1/8" X 10GA

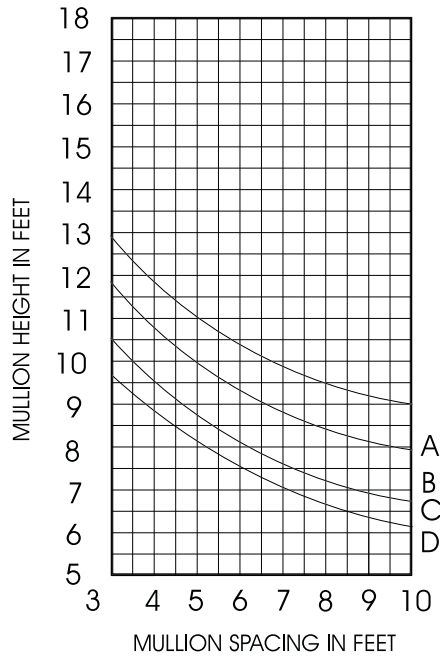




201 SERIES

2" x 4 1/2"
1/4" OFFSET GLAZED

WINDLOAD CHARTS



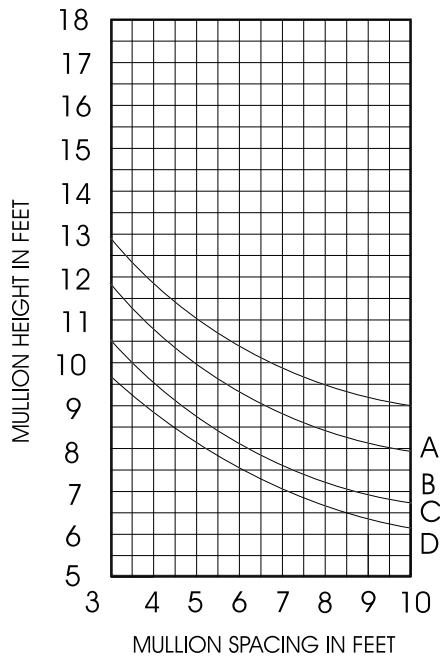
$I = 2.853 \text{ IN}^4$
 $S = 1.347 \text{ IN}^3$



CURVE PRESENTATION

- A = 15 PS.F. (75M.P.H)
- B = 20 PS.F. (90 M.P.H)
- C = 25 PS.F. (100 M.P.H)
- D = 30 PS.F. (110 M.P.H)

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$I = 2.853 \text{ IN}^4$
 $S = 1.347 \text{ IN}^3$





250 SERIES

2" x 4 1/2"
1" CENTER GLAZED

SPECIFICATIONS



"We have the *fastest* leadtimes in the industry guaranteed!"

The 250 Series is a versatile and economical center glazed system designed specifically to be glazed with 1" insulating glass furnished in a complete line of extrusions and accessories to accommodate most job conditions.

This glazing system is available in 2"x 4 1/2" sections with 1 1/4" glass pocket width. Entrance doors may be adapted by use of filler inserts especially designed for this Glazing System.

1-Specifications Materials.

- 1.1 All framing sections shall be extruded from 6063-T5 aluminum alloy.
- 1.2 All glazing beads shall be NS (non-stretch, high-shore) vinyl used on both sides of the glass. Vinyl shall incorporate a fiberglass cord bonded with the vinyl.
- 1.3 Sections shall conform to details and shall present clean, straight, sharply defined lines, and shall be free from defects impairing strength or durability.
- 1.4 All screws, nuts, bolts and fastening devices and internal components shall be of aluminum, stainless steel or other non-corrosive material.

2-Workmanship.

All factory preparation from detail drawings shall be so fabricated that field assembly will be able to produce accurate, tightly fitted joints.

3-Finish.

Extrusions shall be free of scratches and other blemishes. Aluminum shall be given an Architectural class II (class I is available upon request*) protective anodic coating that conforms to industry specification standards (A21/Clear, A24/bronze) in (specify one) clear or bronze colors, others are available upon request*.

*please consult PRL Aluminum for details.

4-Installation.

- 4.1 Storefront components shall be installed in openings properly prepared. They shall be set plumb, square and level in exact alignment with surrounding work.
- 4.2 All joints between metal and masonry shall be fully caulked and field tested to resist water leakage with provisions taken to drain infiltrated water.
- 4.3 Framing assembly may require internal reinforcement and singular perimeter anchoring to meet particular conditions, along with specific engineering calculations.





250 SERIES

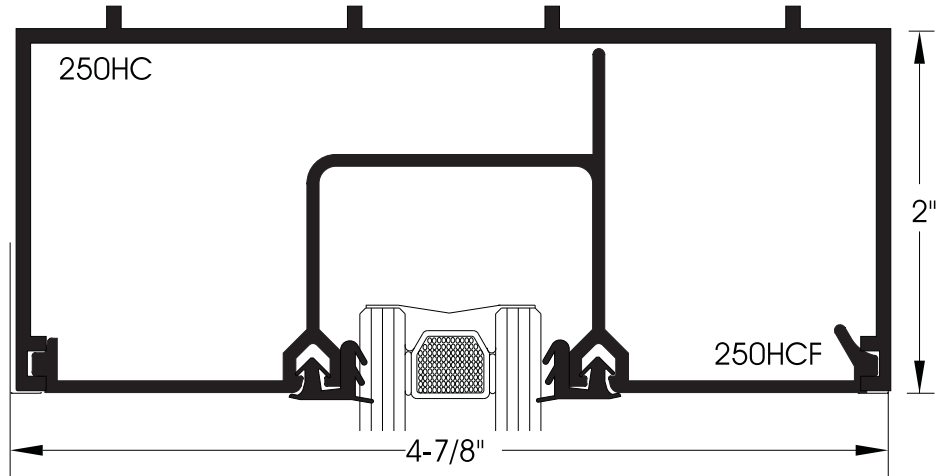
2" x 4 1/2"
1" CENTER GLAZED

FULL SCALE

HEAD CAN ASSEMBLY

PART NUMBER	250HCA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

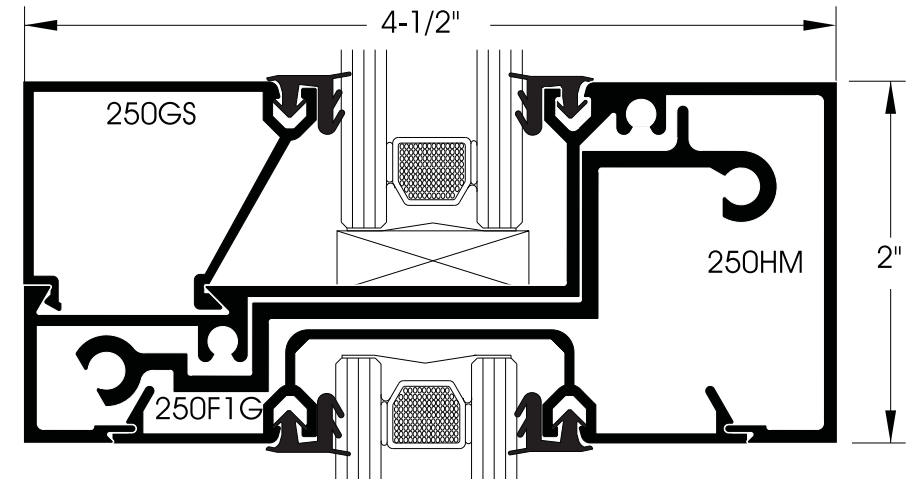
EXTERIOR/INTERIOR APPLICATION



INTERMEDIATE HORIZONTAL

PART NUMBER	250HMA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

EXTERIOR/INTERIOR APPLICATION

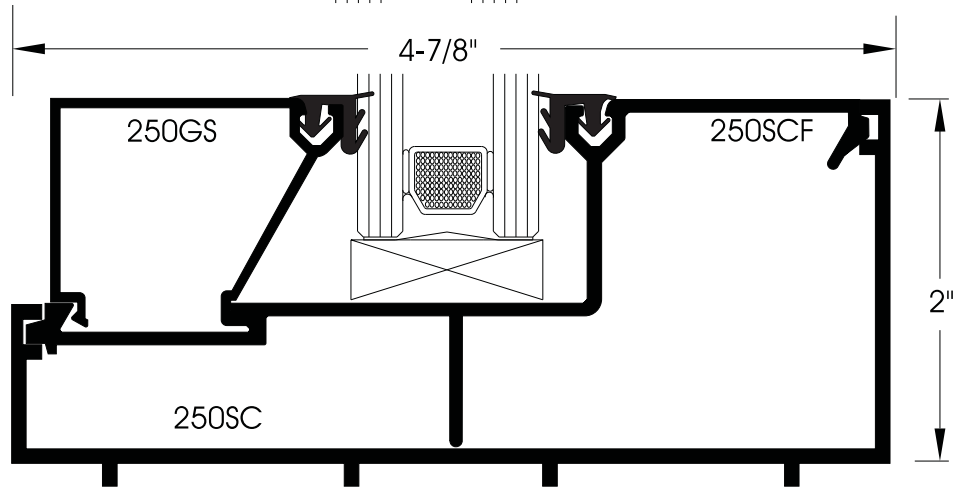


91

SILL CAN ASSEMBLY

PART NUMBER	250SCA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

EXTERIOR/INTERIOR APPLICATION



MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details





250 SERIES

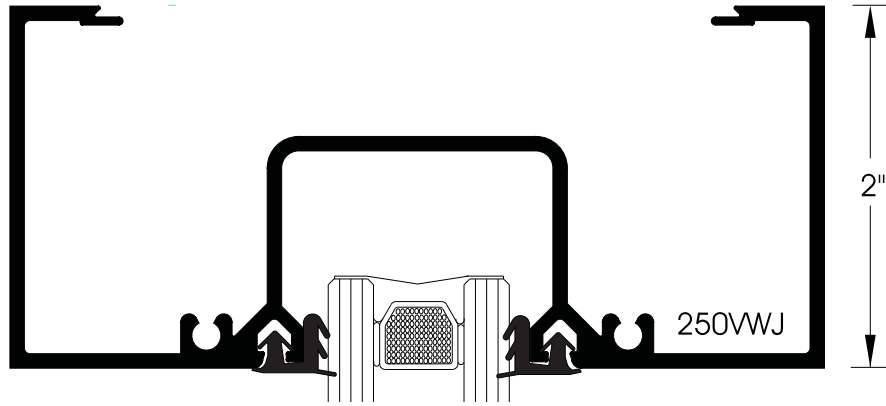
2" x 4 1/2"
 1" CENTER GLAZED

FULL SCALE

WALL JAMB

PART NUMBER	250VWJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERIOR HEAD APPLICATION

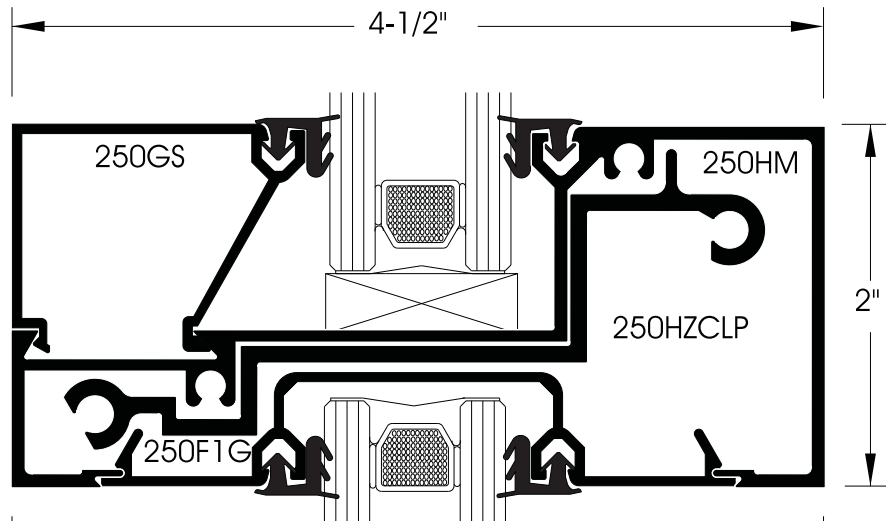


92

INTERMEDIATE HORIZONTAL

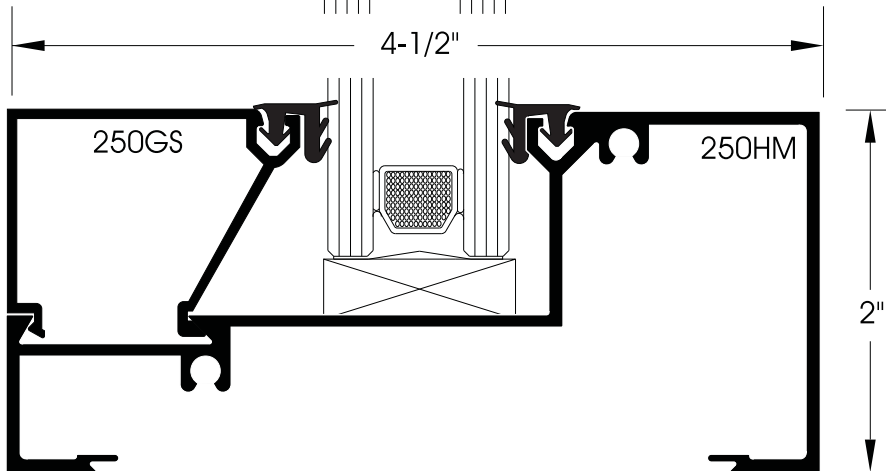
PART NUMBER	250HMA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERIOR SILL APPLICATION



HORIZONTAL + GLASS STOP

PART NUMBER	250HM
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE



MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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250 SERIES

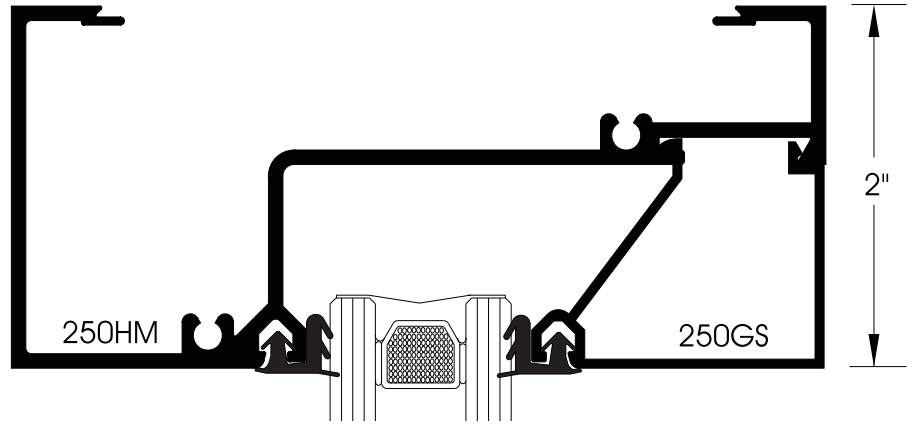
2" x 4 1/2"
1" CENTER GLAZED

FULL SCALE

**HORIZONTAL
+ GLASS STOP**

PART NUMBER	250HM
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERIOR HEAD
APPLICATION

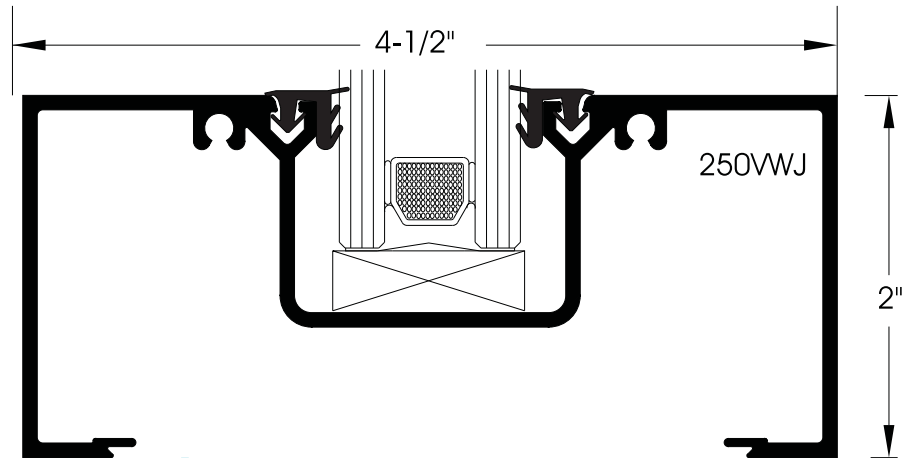


93

WALL JAMB

PART NUMBER	250VWJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERIOR SILL
APPLICATION



MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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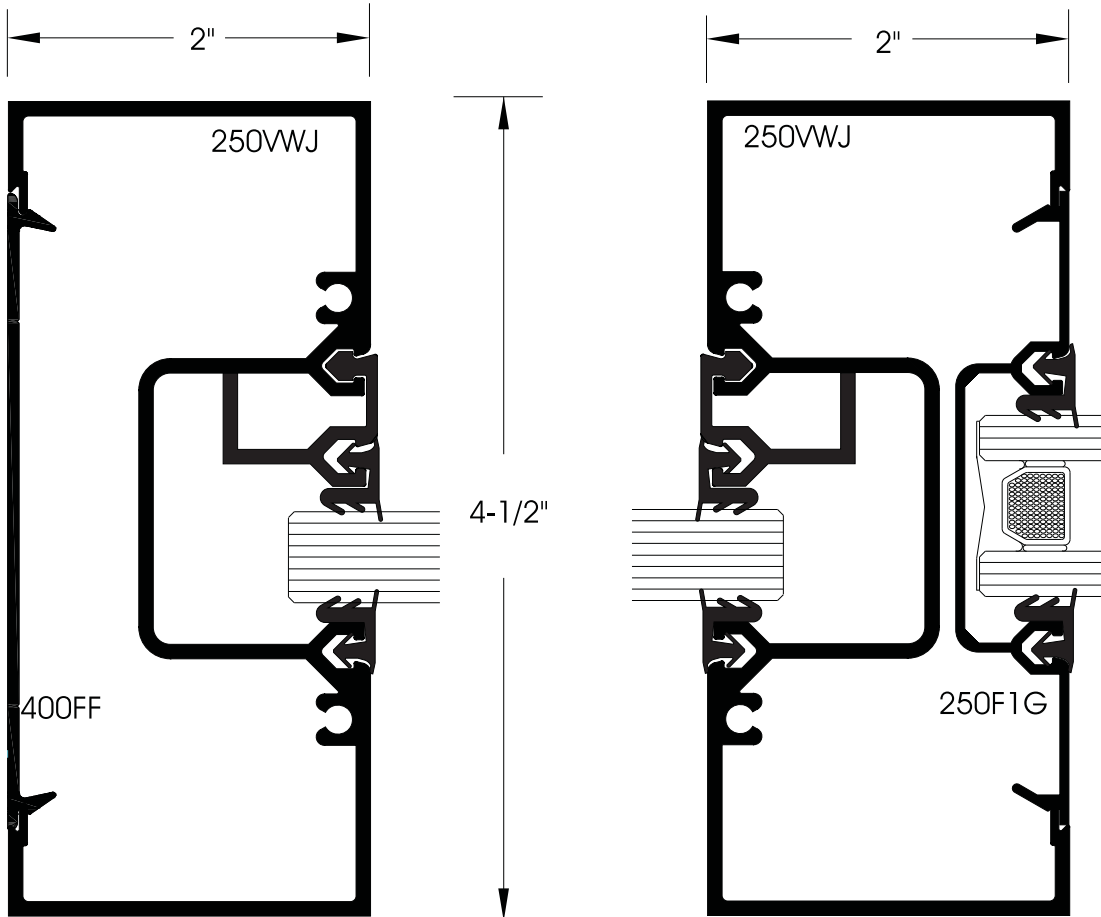
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250 SERIES
 2" x 4 1/2"
 1" CENTER GLAZED
FULL SCALE

94



**WALL JAMB
 + FLAT FILLER/
 1/2" POCKET REDUCER**

PART NUMBER	250VWJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

**WALL JAMB
 + FILLER**

PART NUMBER	250VWJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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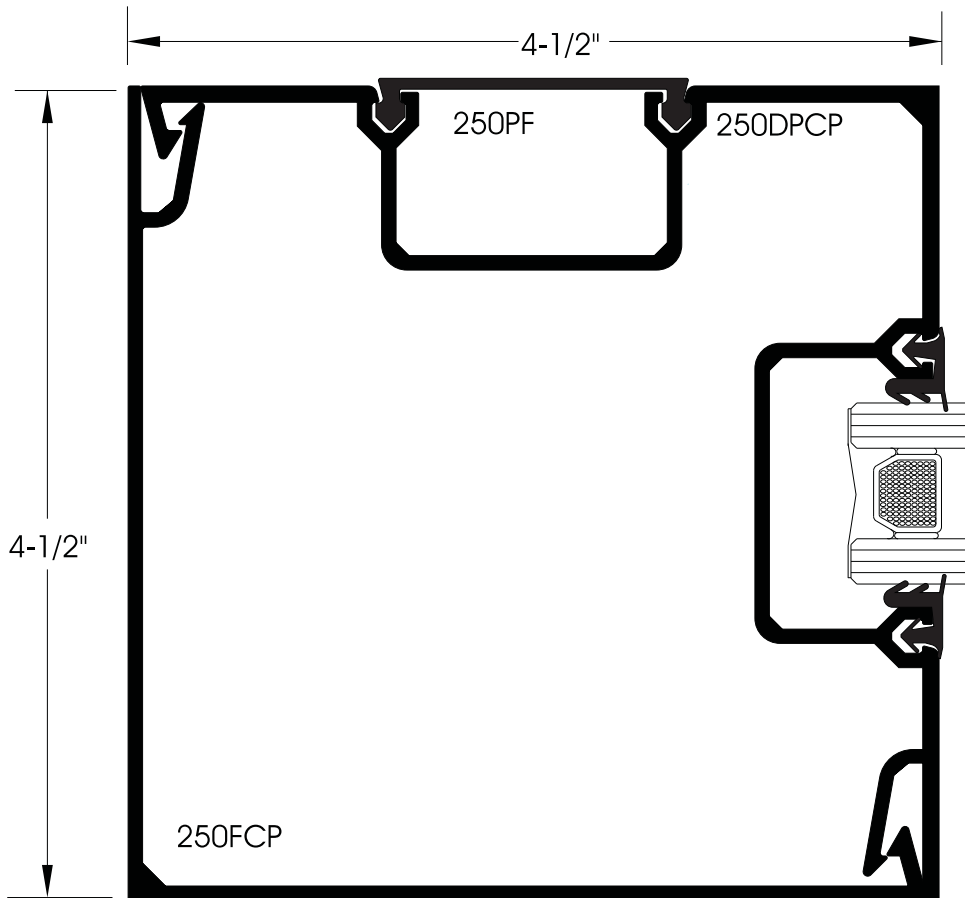
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250 SERIES
 2" x 4 1/2"
 1" CENTER GLAZED
FULL SCALE

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95

**CORNER POST
 ONE POCKET**

PART NUMBER	
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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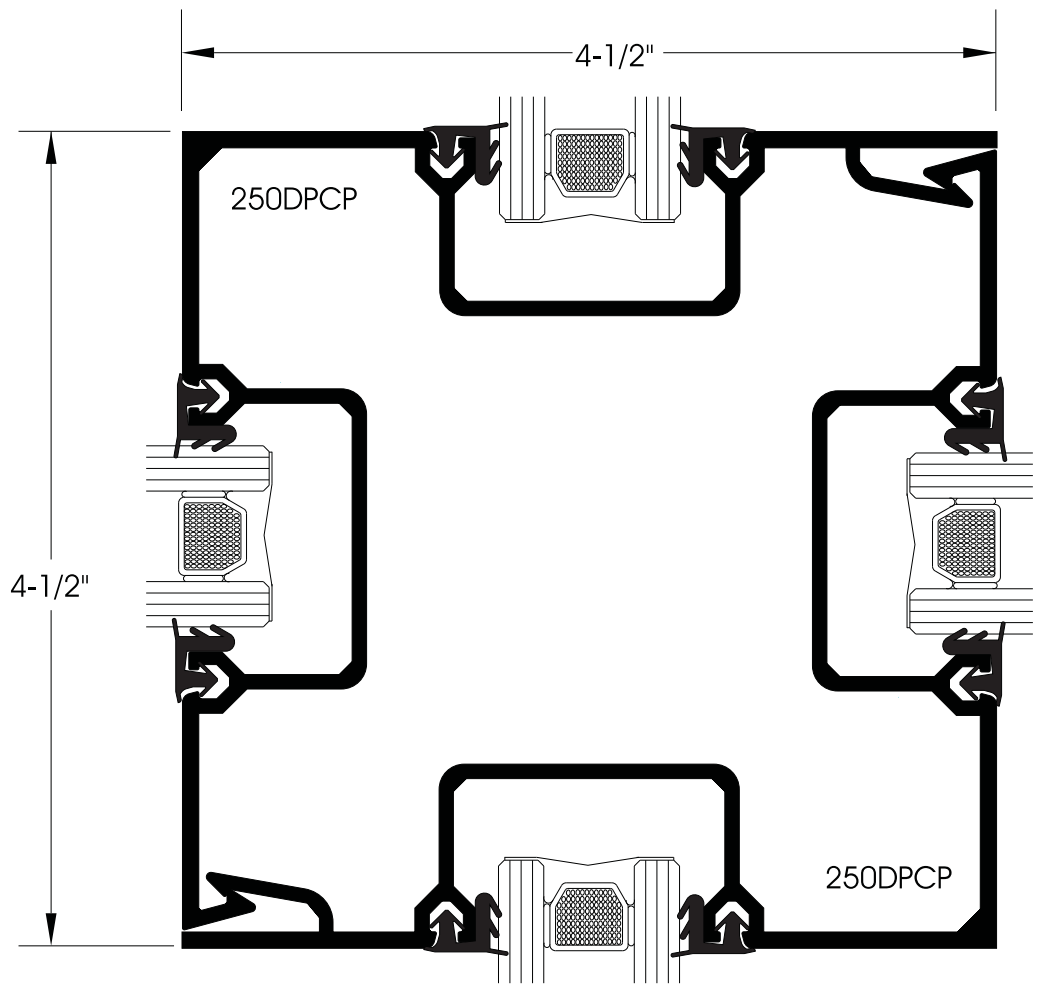
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250 SERIES
 2" x 4 1/2"
 1" CENTER GLAZED
FULL SCALE

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96

**CORNER POST
 FOUR POCKET**

PART NUMBER	
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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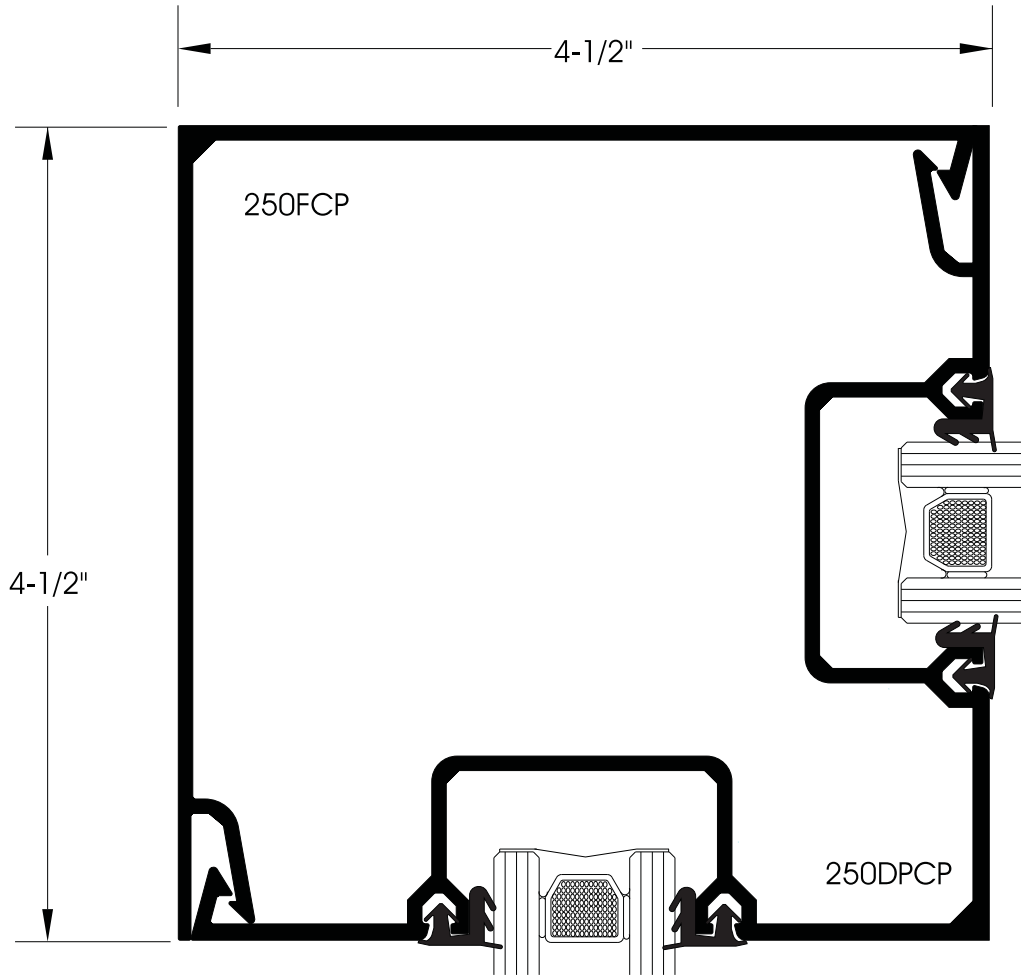
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250 SERIES
 2" x 4 1/2"
 1" CENTER GLAZED
FULL SCALE

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97

**CORNER POST
 TWO POCKET**

PART NUMBER	
LENGTH	24'-1"
FINISHES	MILL CLEAR BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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FX: (877) 274-8800

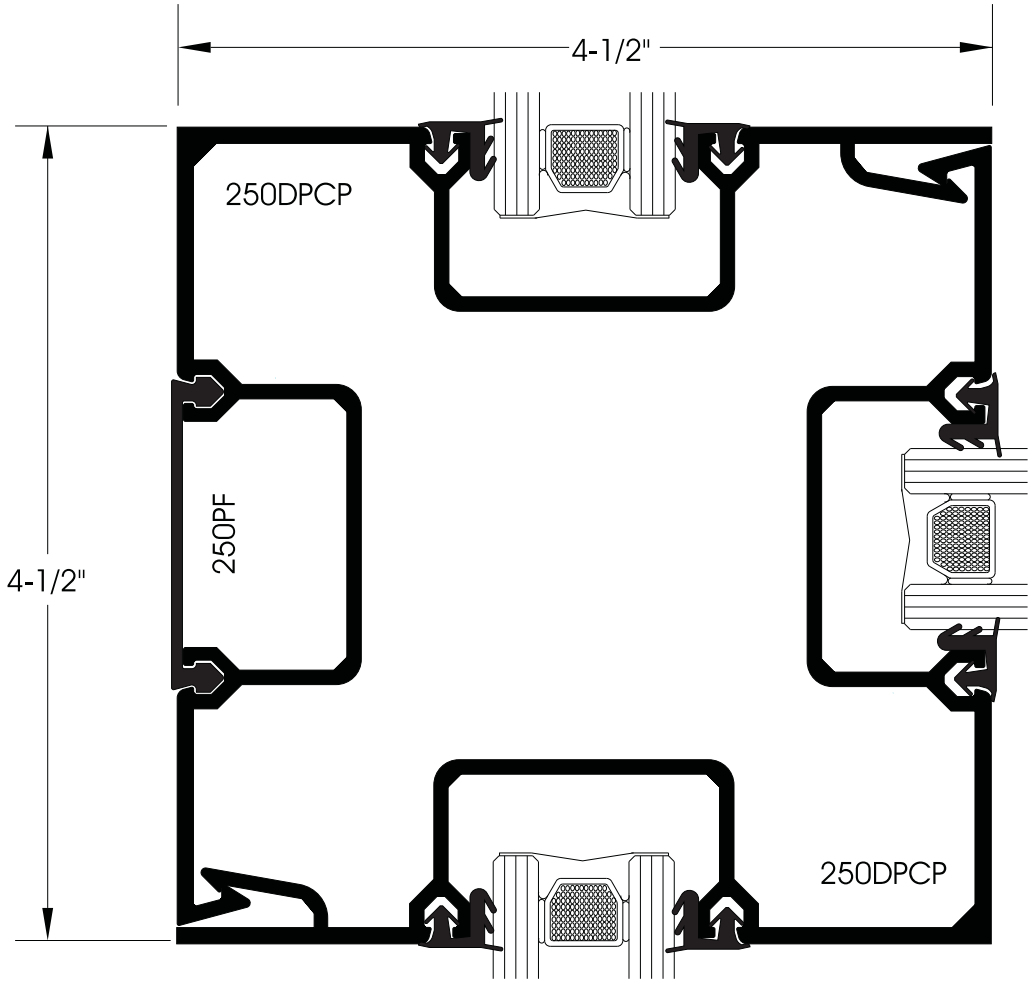
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250 SERIES
2" x 4 1/2"
1" CENTER GLAZED
FULL SCALE



98

**CORNER POST
THREE POCKET**

PART NUMBER	
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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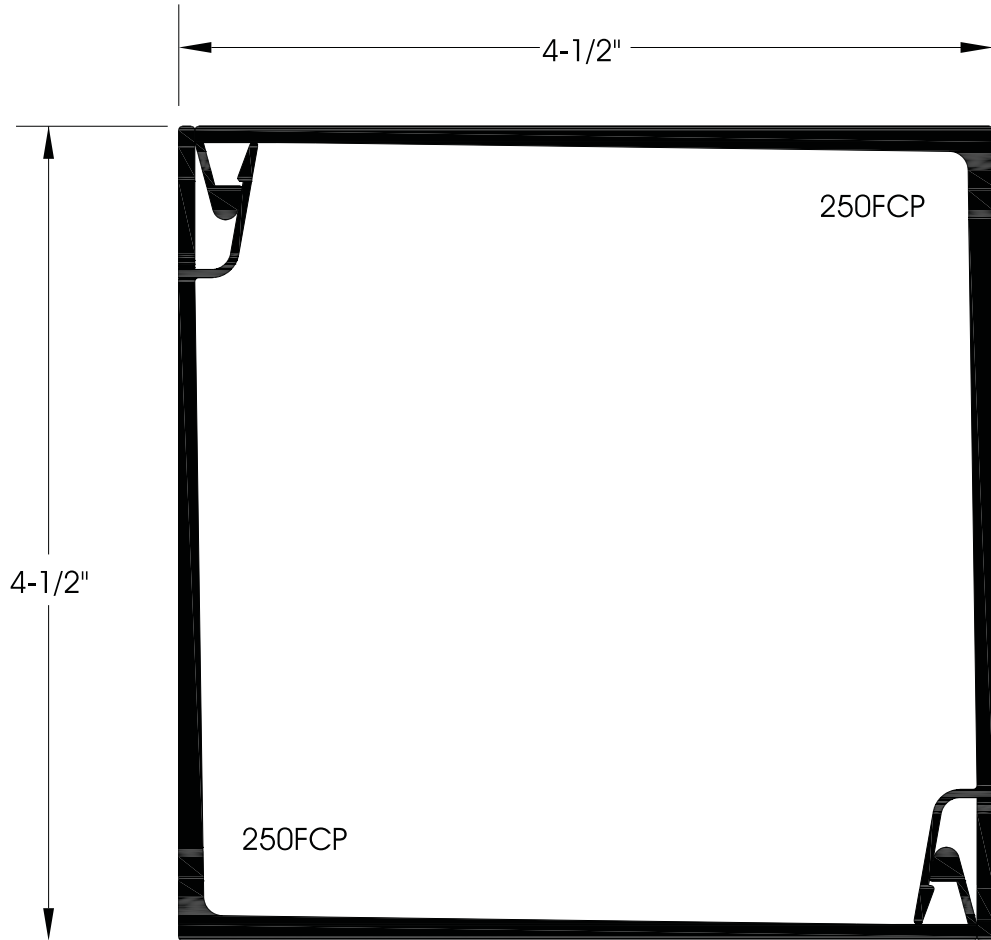
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250 SERIES
 2" x 4 1/2"
 1" CENTER GLAZED
FULL SCALE

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99

CORNER POST

PART NUMBER	
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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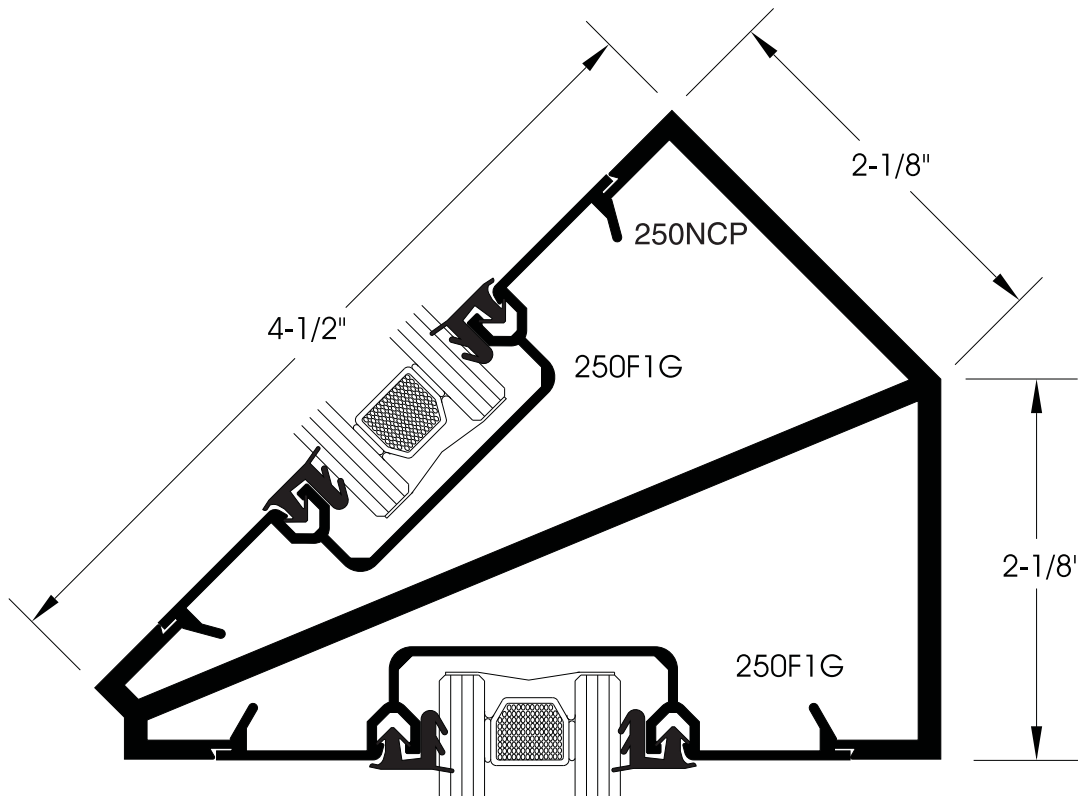


250 SERIES

2" x 4 1/2"
1" CENTER GLAZED

FULL SCALE

100



**135°
CORNER POST
+ FILLER**

PART NUMBER	250NCP
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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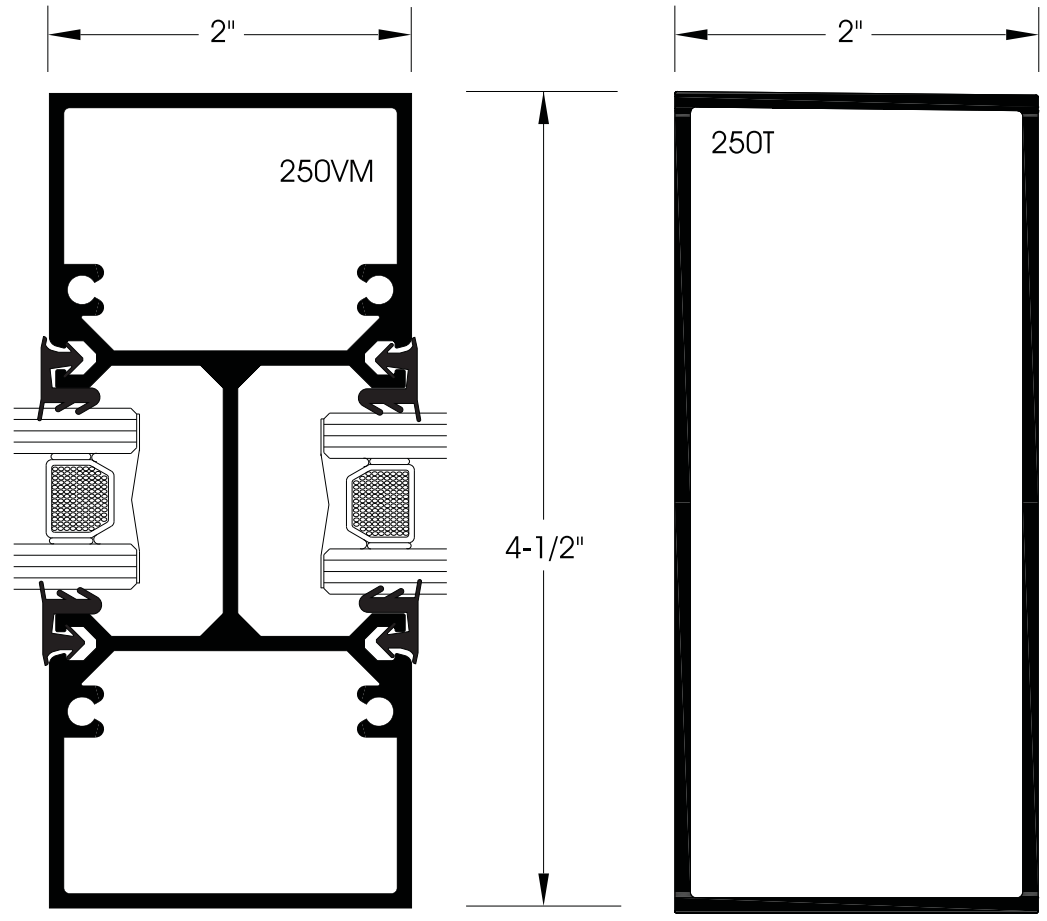
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250 SERIES
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 1" CENTER GLAZED
FULL SCALE

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101

VERTICAL MULLION

PART NUMBER	250VM
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

TUBE

PART NUMBER	250T
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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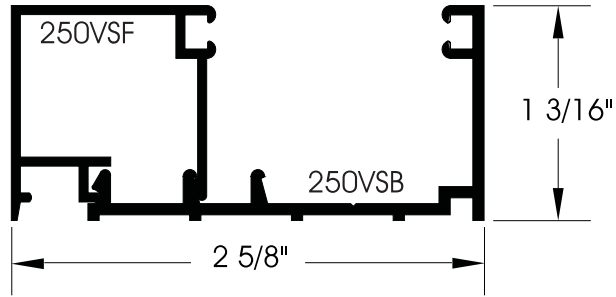
250 SERIES

2" x 4 1/2"
 1" CENTER GLAZED

FULL SCALE

**GLASS SASH
 +INSERT**

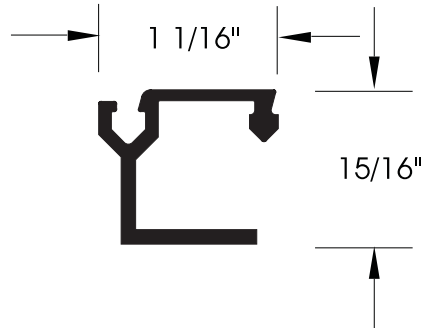
PART NUMBER	250VSA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE



102

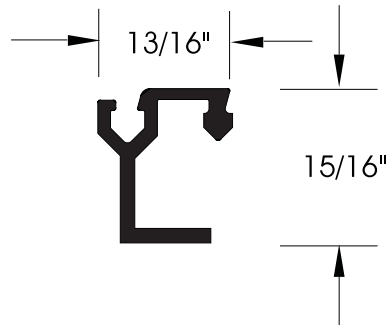
**1/2" POCKET
 REDUCER**

PART NUMBER	
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE



**1/4" POCKET
 REDUCER**

PART NUMBER	
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE



MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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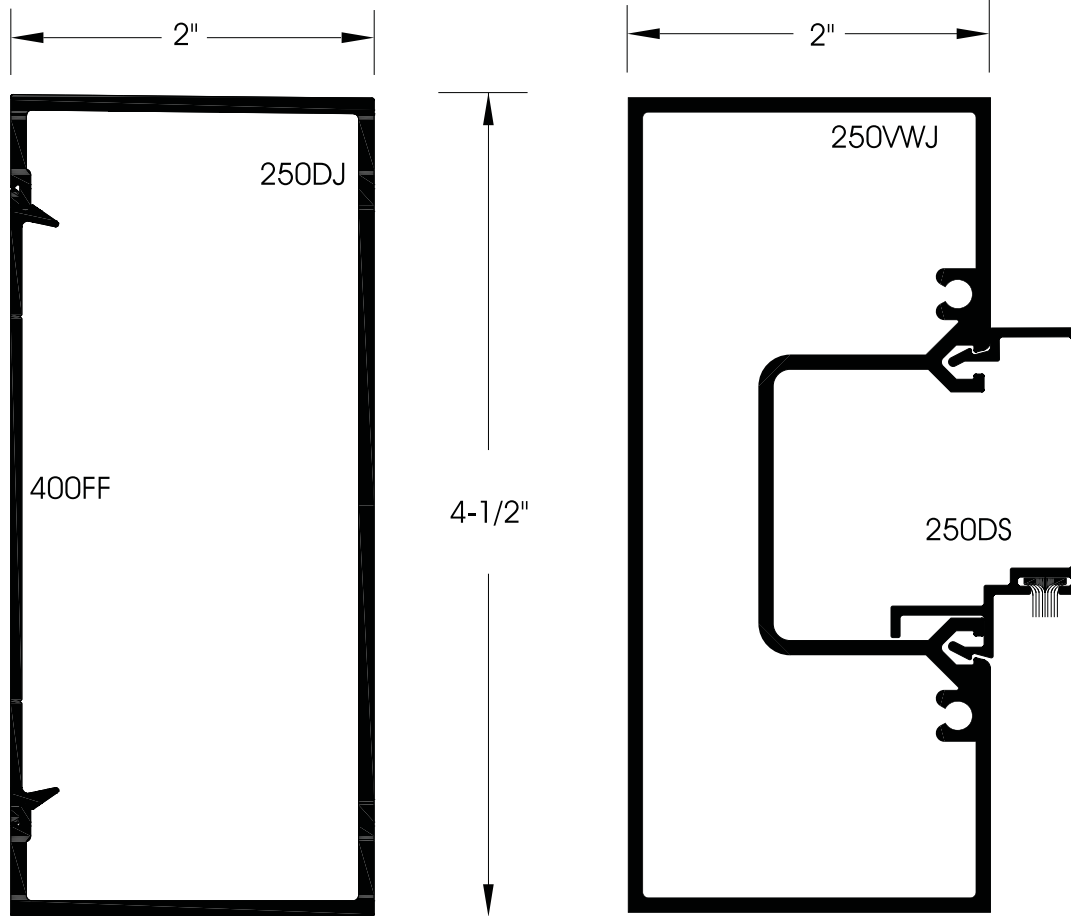
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250 SERIES
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 1" CENTER GLAZED
FULL SCALE

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103

DOOR JAMB
 + FLAT FILLER

PART NUMBER	250DJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

SOLID WALL JAMB
 + SNAP IN DOOR STOP

PART NUMBER	250SWJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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**250 SERIES**2" x 4 1/2"
1" CENTER GLAZED**FULL SCALE**


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**WINDLOAD
DESIGN**

GLAZING FRAMING SHALL BE DESIGNED NOT TO EXCEED L/175, RATIO CURVES REPRESENT LIMIT.

VALUES ARE BASED ON CRITERIA FOR SIMPLE BEAM UNIFORMLY LOADED.

ALLOWABLE STRESSES FOR 6063-T5 ALUMINUM ALLOY = 9500 P.S.I

ALLOWABLE STRESSES FOR A-36 STRUCTURAL STEEL = 21600 P.S.I

1/3 INCREASE FOR WIND LOAD DESIGN IS ALLOWED BASED ON UBC. PROVISIONS

MAX. DEFLECTION BETWEEN SUPPORTS FOR SINGLE SPAN: $\Delta = d = \frac{5WL^3}{384EI}$

MAX. BENDING MOMENT FOR SINGLE SPAN: $M = \frac{WL}{8}$

NOTATIONS REPRESENT:

W = FULL UNIFORM LOAD

L = LENGTH OF MULLION BETWEEN SUPPORTS

E = 10×10^6 P.S.I

I = MOMENT OF INERTIA

M = BENDING MOMENT

NOTE:

WINDLOAD CHARTS FOR CORNER MULLIONS ARE BASED ON THE ASSUMPTION THAT THE SPACING ON EACH SIDE OF THE MULLIONS ARE EQUAL.

104

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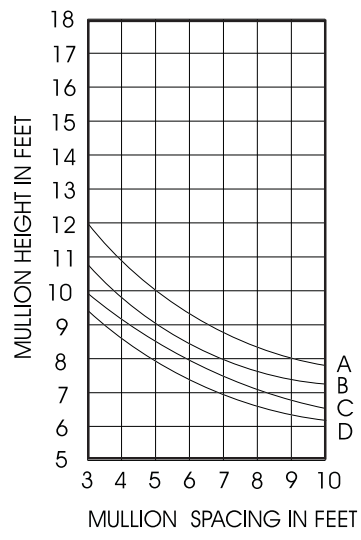




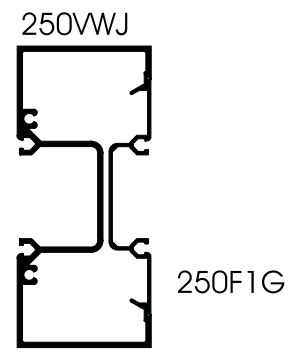
250 SERIES
 2" x 4 1/2"
 1" CENTER GLAZED



WINDLOAD CHARTS



$I_{102} = 1.630$
 $S_{102} = .815$



105

CURVE PRESENTATION

A	= 15 P.S.F. (78M.P.H)
B	= 20 P.S.F. (90 M.P.H)
C	= 25 P.S.F. (100 M.P.H)
D	= 30 P.S.F. (110 M.P.H)

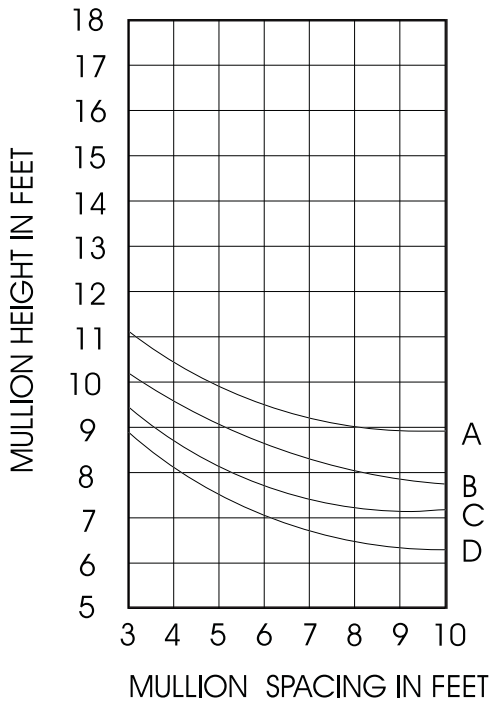




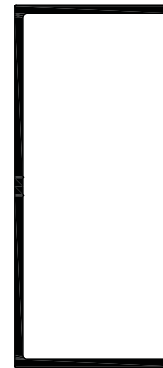
250 SERIES
 2" x 4 1/2"
 1" CENTER GLAZED

WINDLOAD CHARTS

106



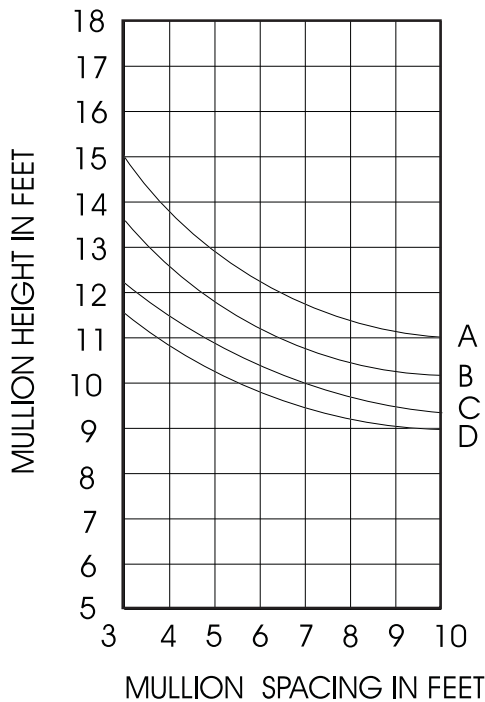
$I = 2.040$
 $S = 1.20$



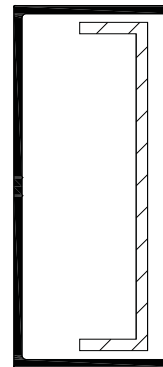
250T

CURVE PRESENTATION

- A = 15 P.S.F. (78M.P.H)
- B = 20 P.S.F. (90 M.P.H)
- C = 25 P.S.F. (100 M.P.H)
- D = 30 P.S.F. (110 M.P.H)



$I = 5.052$
 $S = 2.526$



250T

WITH STEEL REINFORCEMENT
 3/4" X4-1/8 10GA

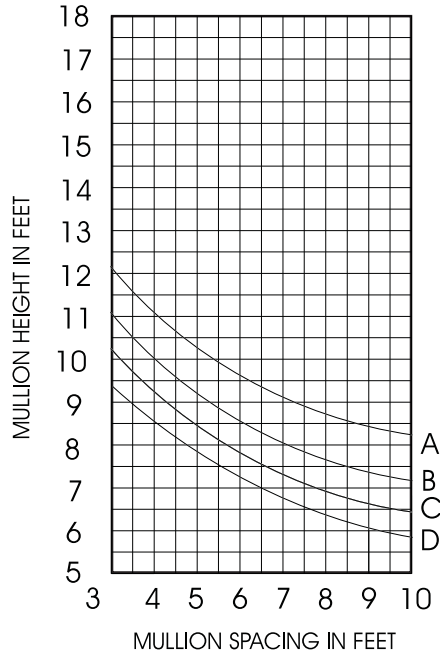




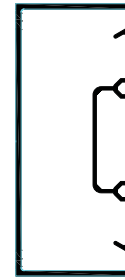
250 SERIES

2" x 4 1/2"
1" CENTER GLAZED

WINDLOAD CHARTS



$I = 2.733 \text{ IN}^4$
 $S = 1.215 \text{ IN}^3$

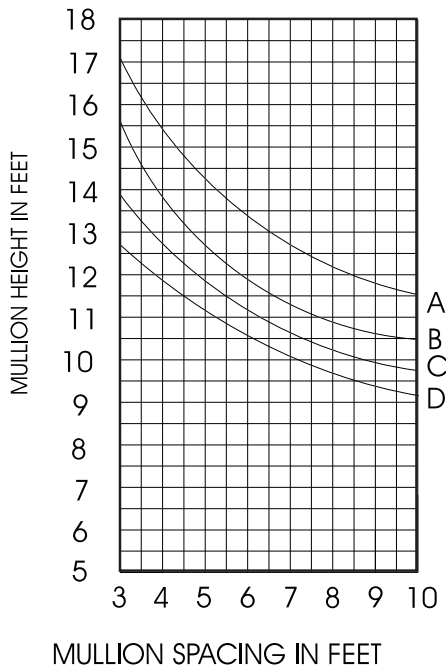


250DJ W/250F

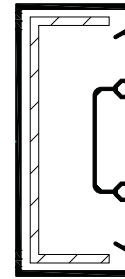
107

CURVE PRESENTATION

- A = 15 PS.F. (75M.P.H)
- B = 20 PS.F. (90 M.P.H)
- C = 25 PS.F. (100 M.P.H)
- D = 30 PS.F. (110 M.P.H)



$I = 7.569 \text{ IN}^4$



250DJ W/250F
WITH STEEL REINFORCEMENT
1" X 4-3/16" X 1/8"



**250 SERIES**2" x 4 1/2"
1" CENTER GLAZED


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DEAD LOAD DESIGN CRITERIA

GLAZING FRAMING SHALL BE DESIGNED NOT TO EXCEED L/360 OR 1/8" DEFLECTION WHICHEVER IS LESS, RATIO CURVES REPRESENT LIMIT.

VALUES AND ARE BASED ON CRITERIA FOR SIMPLE BEAM UNIFORMLY LOADED.

ALLOWABLE STRESSES FOR 6063-T5 ALUMINUM ALLOY = 9500 P.S.I.

ALLOWABLE STRESSES FOR A-36 STRUCTURAL STEEL = 21600 P.S.I.

MAXIMUM DEFLECTION BETWEEN SUPPORTS FOR SINGLE SPAN:

$$\triangle = \frac{PA}{24EI} (3L^2 - 4a^2)$$

MAXIMUM BENDING MOMENT FOR SINGLE SPAN:

$$M = Pa$$

NOTATIONS REPRESENT:

P= 1/2" GLASS LOAD

a= 1/4" OR 1/8" POINT OF SPAN (AS SPECIFIED ON CHARTS)

E= 10 X 10⁶ P.S.I.

I= MOMENT OF INERTIA OF THE MULLION

L= LENGTH OF HORIZONTAL SPAN

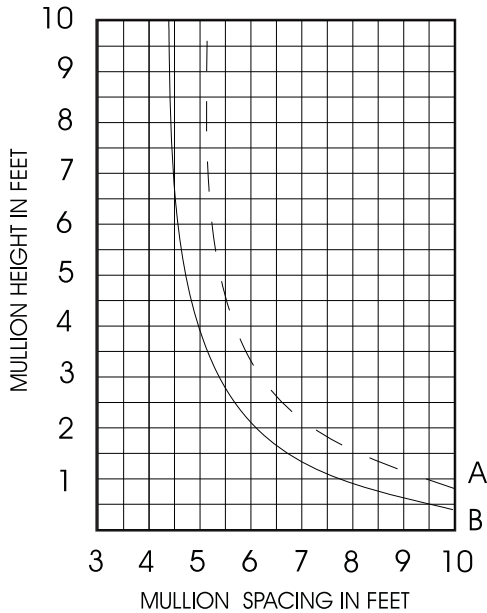
108



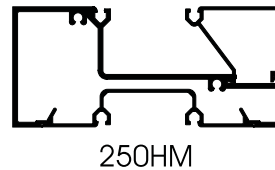
250 SERIES

2" x 4 1/2"
1" CENTER GLAZED

DEADLOAD CHARTS



$I = .330 \text{ IN}^4$ MAX. ALLOW DEFL. $L/360$ OR $1/8"$
 $S = .329 \text{ IN}^4$ WHICHEVER IS LESS



109

CURVE PRESENTATION

A (---) = 1/8 PTS. OR
A MINIMUM OF 8" AWAY
FROM THE EDGE OF THE GLASS

B (—) = 1/8 PTS. OR
A MINIMUM OF 8" AWAY
FROM THE EDGE OF THE GLASS





251 SERIES

2" x 4 1/2"
1" OFFSET GLAZED

SPECIFICATIONS



"We have the *fastest* leadtimes in the industry guaranteed!"

The 251 Series is an offset glazed system, with frame/glass faces slightly on plane for a minimal frame protrude and increased aesthetics/performance values, designed specifically to be glazed with 1" insulated glass furnished in a complete line of extrusions and accessories to accommodate most job conditions.

This glazing system is available in 2"x 4 1/2" sections and glass insets may be positioned inward/outward for custom applications. The system will accommodate most PRL Entrance doors.

1-Specifications Materials.

1.1 All framing sections shall be extruded from 6063-T5 aluminum alloy.

1.2 All glazing beads shall be NS (non-stretch, high-shore) vinyl used on both sides of the glass. Vinyl shall incorporate a fiberglass cord bonded with the vinyl.

1.3 Sections shall conform to details and shall present clean, straight, sharply defined lines, and shall be free from defects impairing strength or durability.

1.4 All screws, nuts, bolts and fastening devices and internal components shall be of aluminum, stainless steel or other non-corrosive material.

2-Workmanship.

All factory preparation from detail drawings shall be so fabricated that field assembly will be able to produce accurate, tightly fitted joints.

3-Finish.

Extrusions shall be free of scratches and other blemishes. Aluminum shall be given an Architectural class II (class I is available upon request*) protective anodic coating that conforms to industry specification standards (A21/Clear, A24/bronze) in (specify one) clear or bronze colors, others are available upon request*.

*please consult PRL Aluminum for details.

4-Installation.

4.1 Storefront components shall be installed in openings properly prepared. They shall be set plumb, square and level in exact alignment with surrounding work.

4.2 All joints between metal and masonry shall be fully caulked and field tested to resist water leakage with provisions taken to drain infiltrated water.

4.3 Framing assembly may require internal reinforcement and singular perimeter anchoring to meet particular conditions, along with specific engineering calculations.

110





251 SERIES

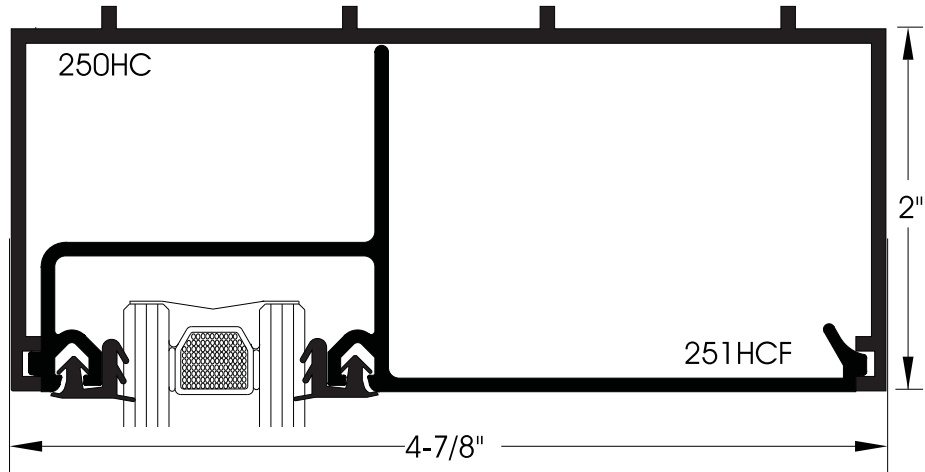
2" x 4 1/2"
 1" OFFSET GLAZED

FULL SCALE

HEAD CAN ASSEMBLY

PART NUMBER	251HCA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

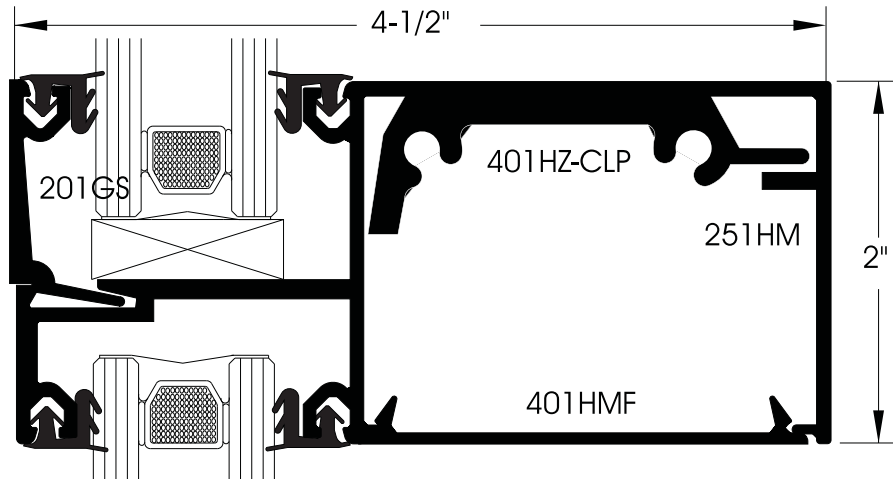
EXTERIOR/INTERIOR APPLICATION



111

INTERMEDIATE HORIZONTAL

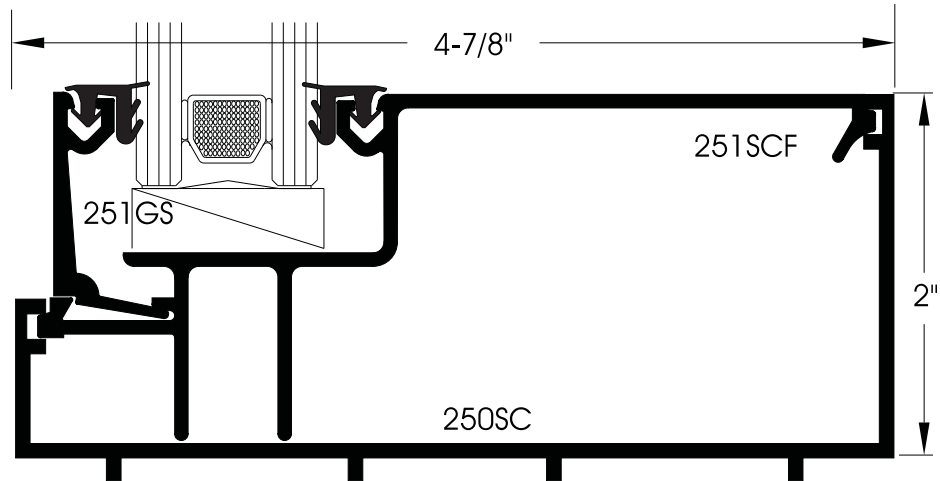
PART NUMBER	251HMA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE



SILL CAN ASSEMBLY

PART NUMBER	251SCA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

EXTERIOR/INTERIOR APPLICATION



MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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251 SERIES

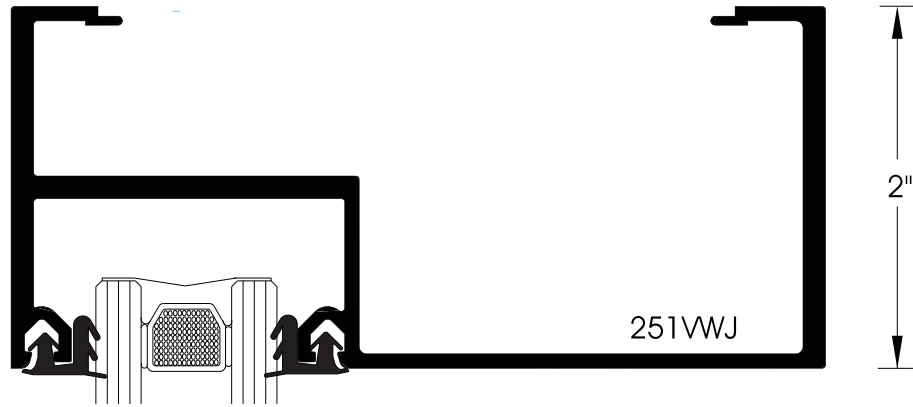
2" x 4 1/2"
1" OFFSET GLAZED

FULL SCALE

WALL JAMB

PART NUMBER	251VWJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

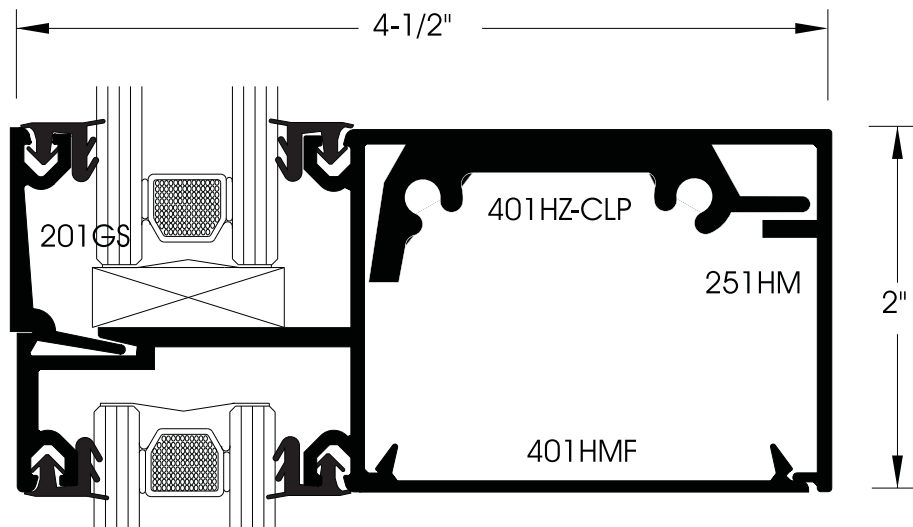
INTERIOR HEAD APPLICATION



112

INTERMEDIATE HORIZONTAL

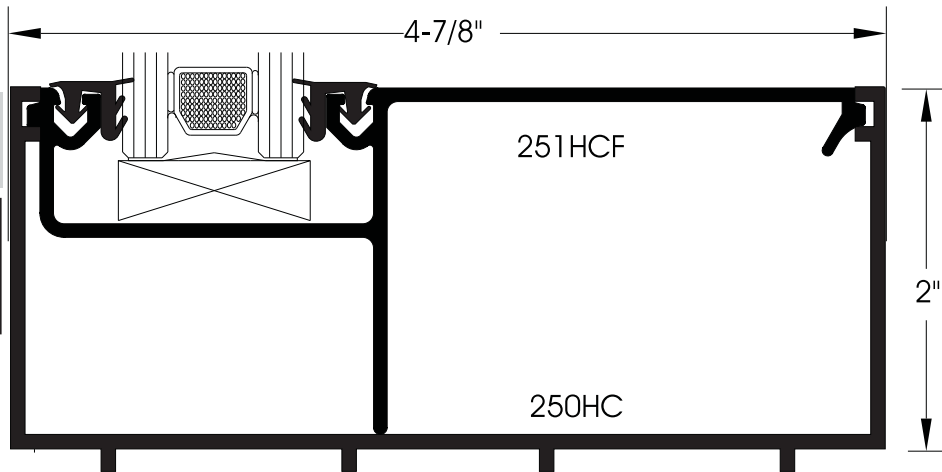
PART NUMBER	251HMA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE



HEAD CAN ASSEMBLY

PART NUMBER	250SCA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERIOR SILL APPLICATION



MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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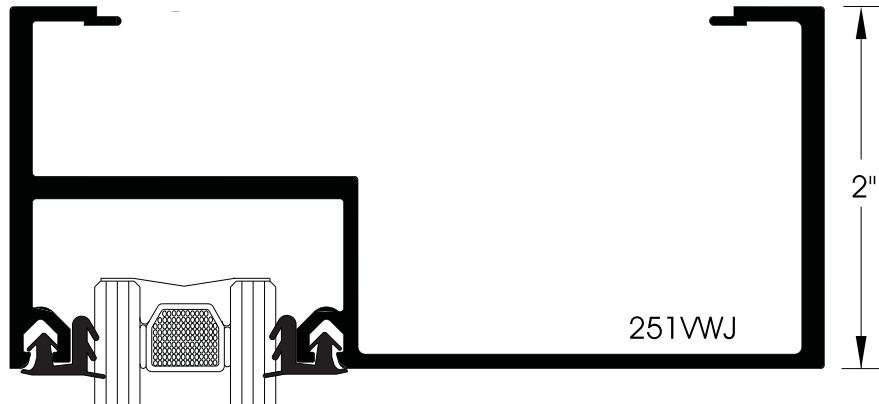


251 SERIES
2" x 4 1/2"
1" OFFSET GLAZED
FULL SCALE

WALL JAMB

PART NUMBER	251VWJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERIOR HEAD APPLICATION

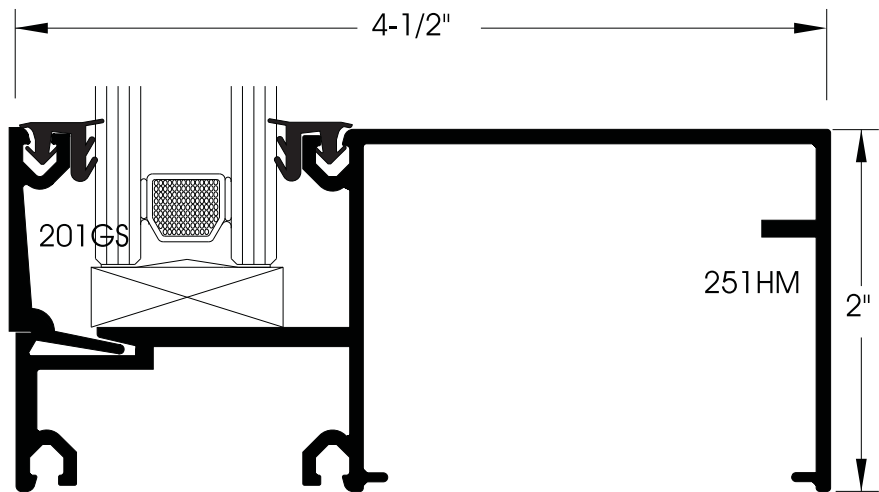


113

INTERMEDIATE HORIZONTAL

PART NUMBER	251HMA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERIOR SILL APPLICATION



MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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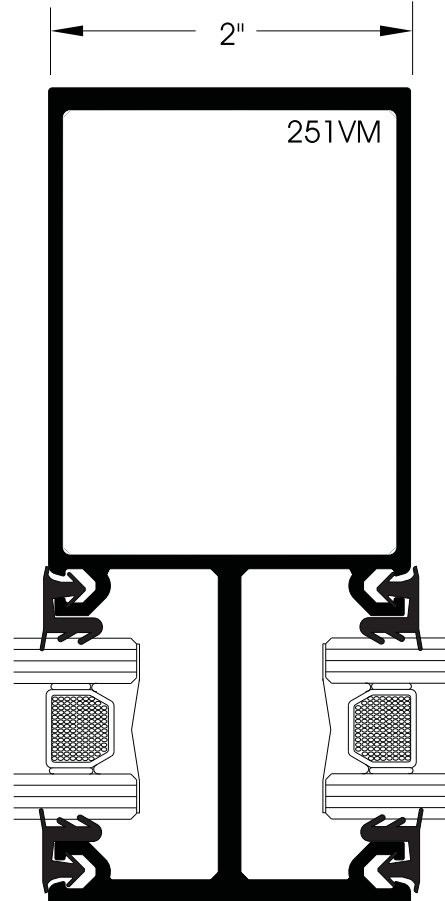
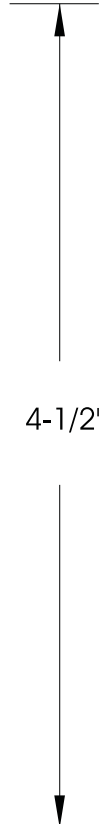
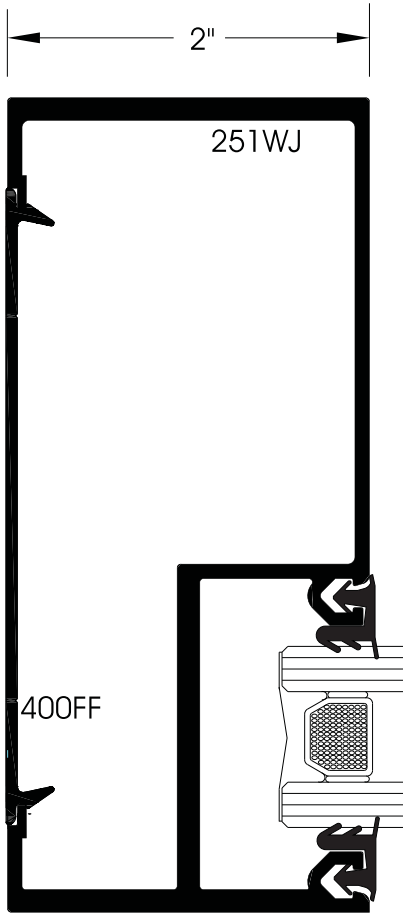


251 SERIES

2" x 4 1/2"
 1" OFFSET GLAZED

FULL SCALE

114



**WALL JAMB
 + FLAT FILLER**

PART NUMBER	251VWJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

**VERTICAL
 MULLION**

PART NUMBER	251VM
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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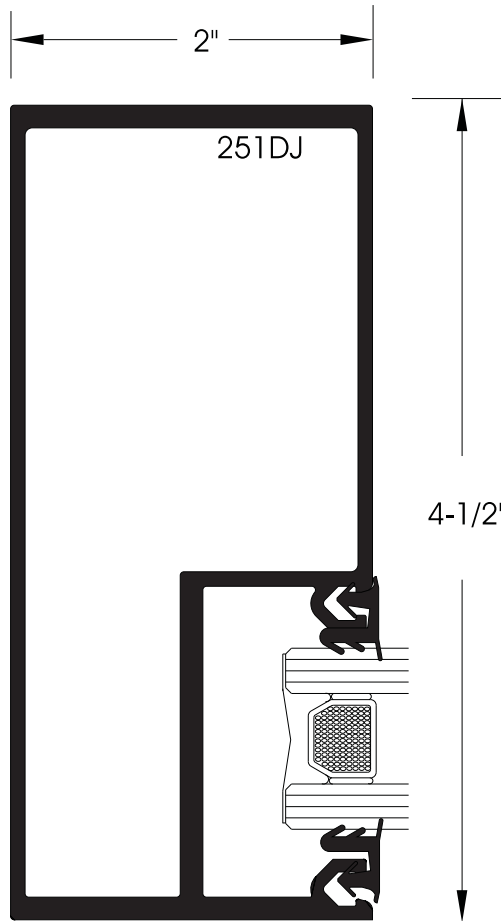
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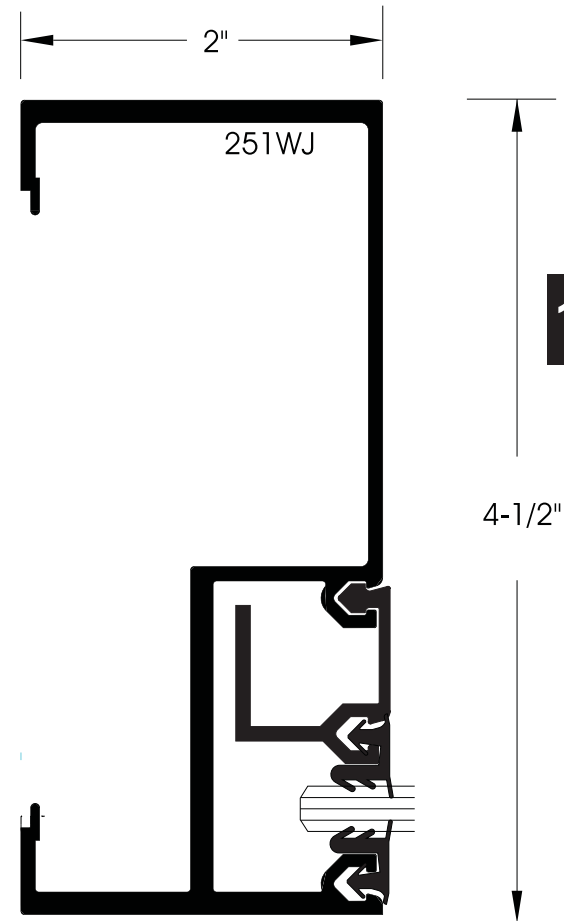
251 SERIES
 2" x 4 1/2"
 1" OFFSET GLAZED
FULL SCALE

PRL Aluminum
 ARCHITECTURAL PRODUCTS
 "We have the *fastest* leadtimes in the industry guaranteed!"



DOOR JAMB

PART NUMBER	251DJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE



WALL JAMB
 + 1/4" ADAPTOR
 *1/2" adaptor available

PART NUMBER	251VWJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

115

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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**251 SERIES**2" x 4 1/2"
1" OFFSET GLAZED**FULL SCALE**


"We have the *fastest* leadtimes in the industry guaranteed!"

**WINDLOAD
DESIGN**

GLAZING FRAMING SHALL BE DESIGNED NOT TO EXCEED L/175, RATIO CURVES REPRESENT LIMIT.

VALUES ARE BASED ON CRITERIA FOR SIMPLE BEAM UNIFORMLY LOADED.

ALLOWABLE STRESSES FOR 6063-T5 ALUMINUM ALLOY = 9500 P.S.I

ALLOWABLE STRESSES FOR A-36 STRUCTURAL STEEL = 21600 P.S.I

1/3 INCREASE FOR WIND LOAD DESIGN IS ALLOWED BASED ON UBC. PROVISIONS

MAX. DEFLECTION BETWEEN SUPPORTS FOR SINGLE SPAN: $\Delta = d = \frac{5WL^3}{384EI}$

MAX. BENDING MOMENT FOR SINGLE SPAN: $M = \frac{WL^2}{8}$

NOTATIONS REPRESENT:

W = FULL UNIFORM LOAD

L = LENGTH OF MULLION BETWEEN SUPPORTS

E = 10×10^6 P.S.I

I = MOMENT OF INERTIA

M = BENDING MOMENT

NOTE:

WINDLOAD CHARTS FOR CORNER MULLIONS ARE BASED ON THE ASSUMPTION THAT THE SPACING ON EACH SIDE OF THE MULLIONS ARE EQUAL.

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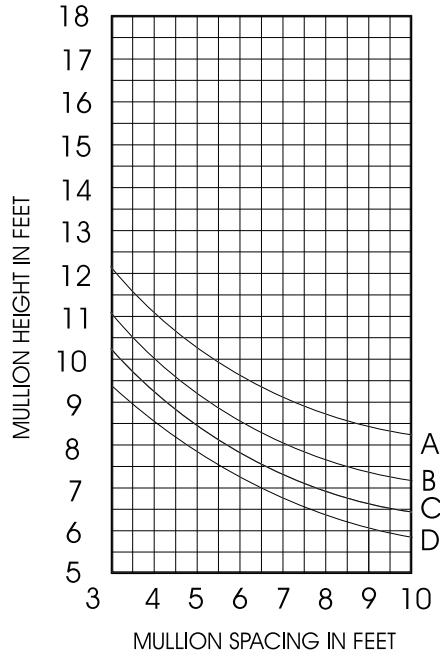




251 SERIES

2" x 4 1/2"
1" OFFSET GLAZED

WINDLOAD CHARTS



$I = 2.671 \text{ IN}^4$
 $S = 1.229 \text{ IN}^3$

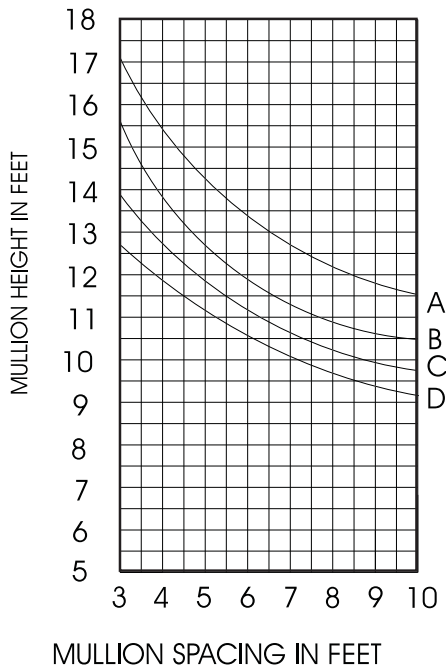


251DJ

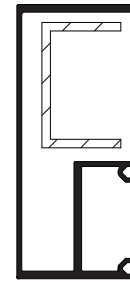
117

CURVE PRESENTATION

- A = 15 PS.F. (75M.P.H)
- B = 20 PS.F. (90 M.P.H)
- C = 25 PS.F. (100 M.P.H)
- D = 30 PS.F. (110 M.P.H)



$I = 5.941 \text{ IN}^4$
 $S = 2.617 \text{ IN}^3$



251DJ

WITH STEEL REINFORCEMENT
1 5/8" X 2-7/16" X 1/4"



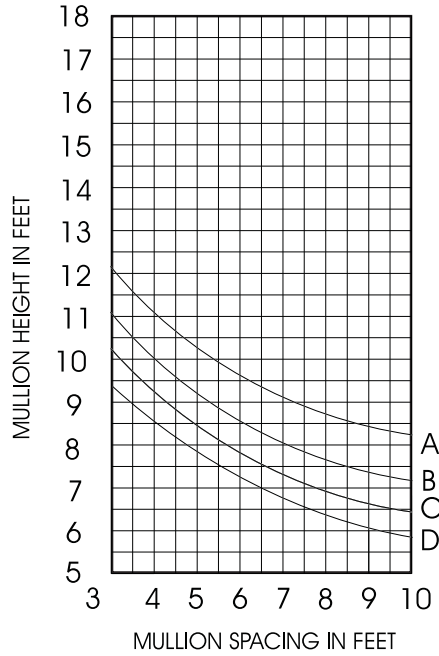


251 SERIES

2" x 4 1/2"
1" OFFSET GLAZED

WINDLOAD CHARTS

118



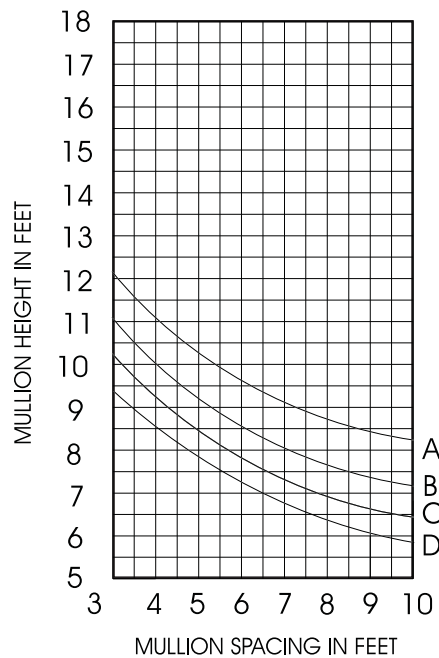
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 $S = 1.229 \text{ IN}^3$



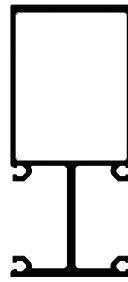
251WJ

CURVE PRESENTATION

- A = 15 PS.F. (75M.P.H)
- B = 20 PS.F. (90 M.P.H)
- C = 25 PS.F. (100 M.P.H)
- D = 30 PS.F. (110 M.P.H)



$I = 2.671 \text{ IN}^4$
 $S = 1.229 \text{ IN}^3$



251VM

WITH STEEL REINFORCEMENT
1 5/8" X 2-7/16" X 1/4"





400 SERIES

1 3/4" x 4"
1/4" CENTER GLAZED

SPECIFICATIONS



"We have the *fastest* leadtimes in the industry guaranteed!"

The 400 series is an economical system designed to efficiently meet industry standard performance requirements, all the system components are designed to allow interchangeability making them ideal for either exterior and interior applications.

The Series are industry standard center glazing systems that receives all standard entrance door hardware and door types with single or double action door hardware.

The systems will receive 1/4" glass in a 1/2" glass pocket width and can be shop or field fabricated. The extrusions can be reinforced to meet more rigorous performance requirements.

1-Specifications Materials.

1.1 All framing sections shall be extruded from 6063-T5 aluminum alloy.

1.2 All glazing beads shall be NS (non-stretch, high-shore) vinyl used on both sides of the glass. Vinyl shall incorporate a fiberglass cord bonded with the vinyl.

1.3 Sections shall conform to details and shall present clean, straight, sharply defined lines, and shall be free from defects impairing strength or durability.

1.4 All screws, nuts, bolts and fastening devices and internal components shall be of aluminum, stainless steel or other non-corrosive material.

119

2-Workmanship.

All factory preparation from detail drawings shall be so fabricated that field assembly will be able to produce accurate, tightly fitted joints.

3-Finish.

Extrusions shall be free of scratches and other blemishes. Aluminum shall be given an Architectural class II (class I is available upon request*) protective anodic coating that conforms to industry specification standards (A21/Clear, A24/bronze) in (specify one) clear or bronze colors, others are available upon request*.

*please consult PRL Aluminum for details.

4-Installation.

4.1 Storefront components shall be installed in openings properly prepared. They shall be set plumb, square and level in exact alignment with surrounding work .

4.2 All joints between metal and masonry shall be fully caulked and field tested to resist water leakage with provisions taken to drain infiltrated water.

4.3 Framing assembly may require internal reinforcement and singular perimeter anchoring to meet particular conditions, along with specific engineering calculations.





400 SERIES

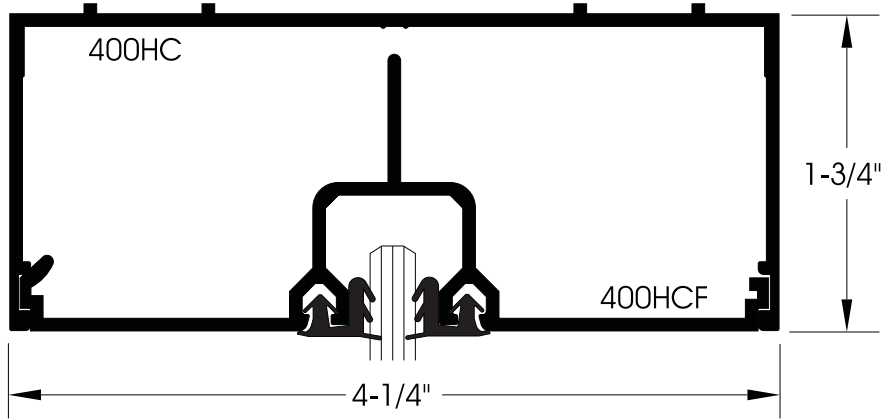
1 3/4" x 4"
1/4" CENTER GLAZED

FULL SCALE

HEAD CAN ASSEMBLY

PART NUMBER	400HCA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

EXTERIOR/INTERIOR APPLICATION

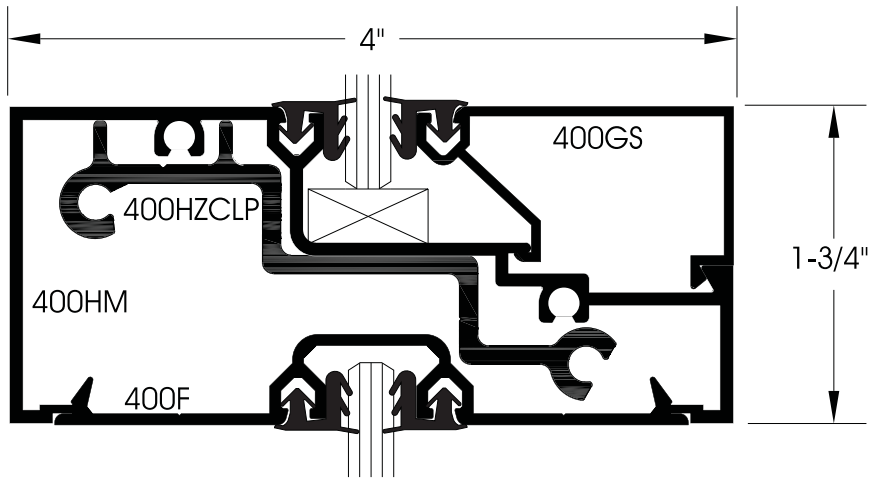


120

INTERMEDIATE HORIZONTAL

PART NUMBER	400HMA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

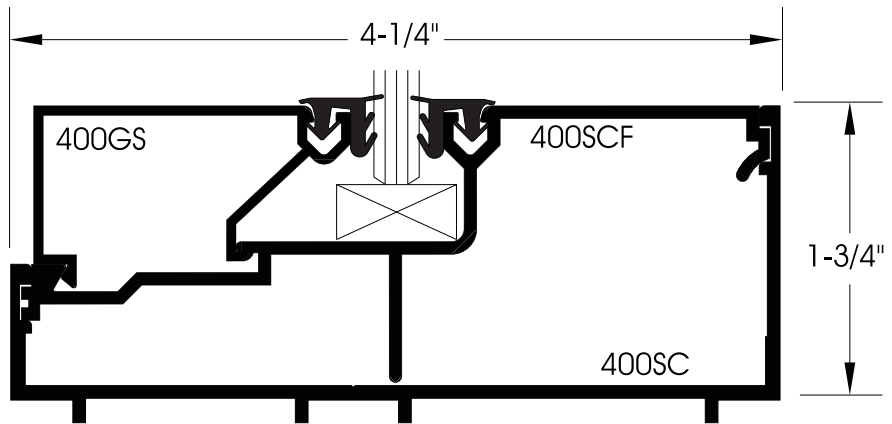
EXTERIOR/INTERIOR APPLICATION



SILL CAN ASSEMBLY

PART NUMBER	400SCA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

EXTERIOR/INTERIOR APPLICATION



MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details



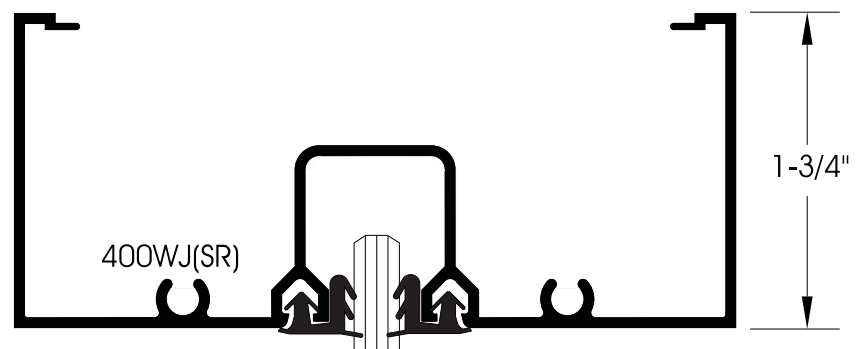


400 SERIES
 1 3/4" x 4"
 1/4" CENTER GLAZED
FULL SCALE

WALL JAMB (SR)

PART NUMBER	400WJSR
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

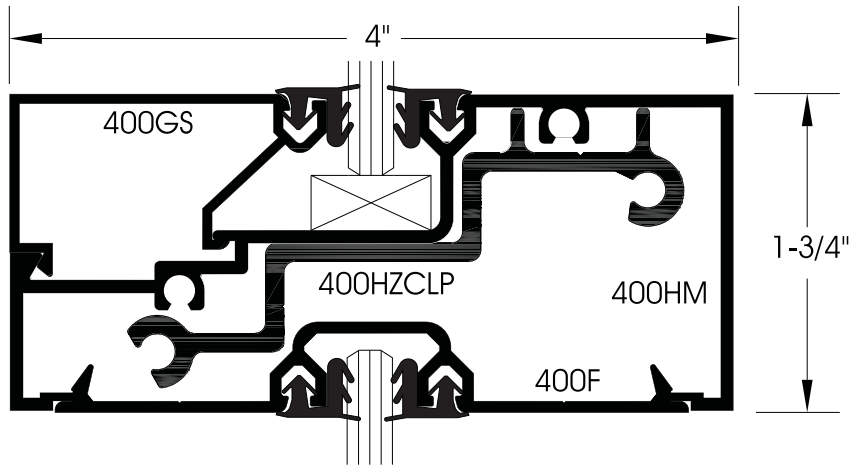
INTERIOR HEAD APPLICATION



121

INTERMEDIATE HORIZONTAL

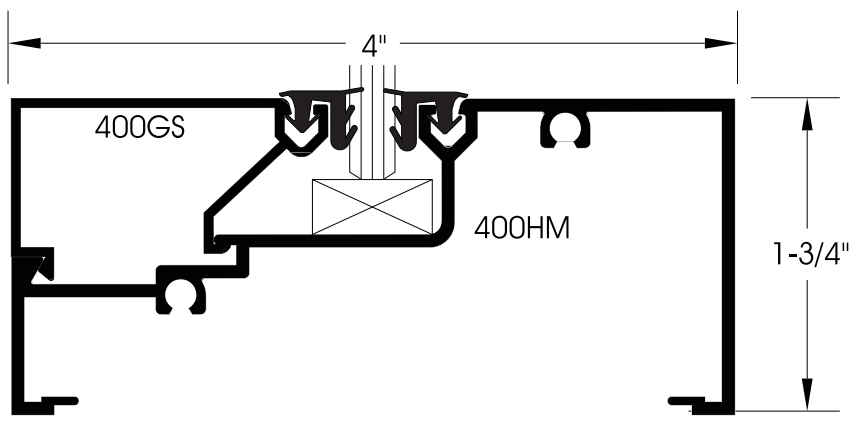
PART NUMBER	400HMA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE



HORIZONTAL + GLASS STOP

PART NUMBER	400HM
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERIOR SILL APPLICATION



MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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400 SERIES

1 3/4" x 4"
 1/4" CENTER GLAZED

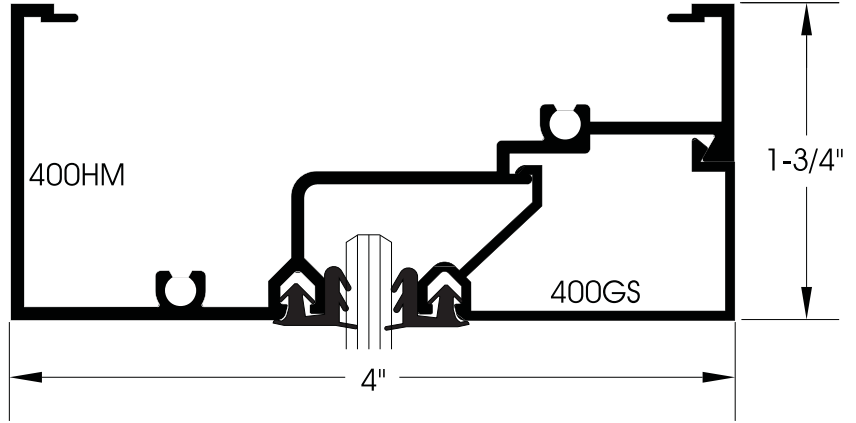
FULL SCALE

122

**HORIZONTAL
 + GLASS STOP**

PART NUMBER	400HM
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

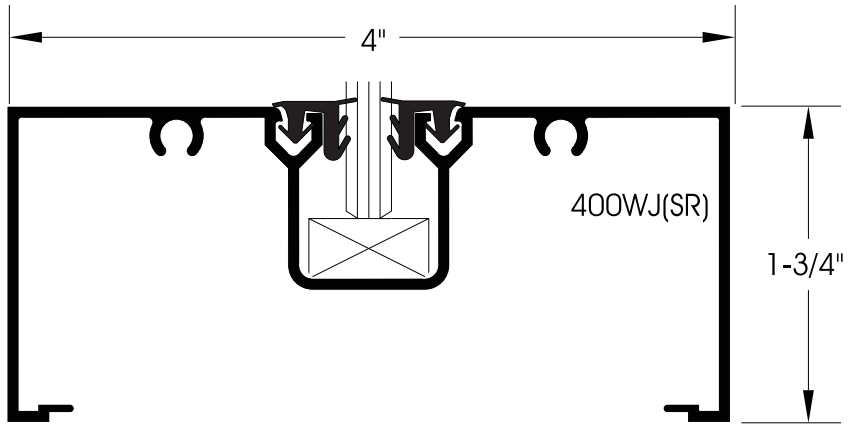
INTERIOR HEAD APPLICATION



WALL JAMB (SR)

PART NUMBER	400WJSR
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERIOR SILL APPLICATION



MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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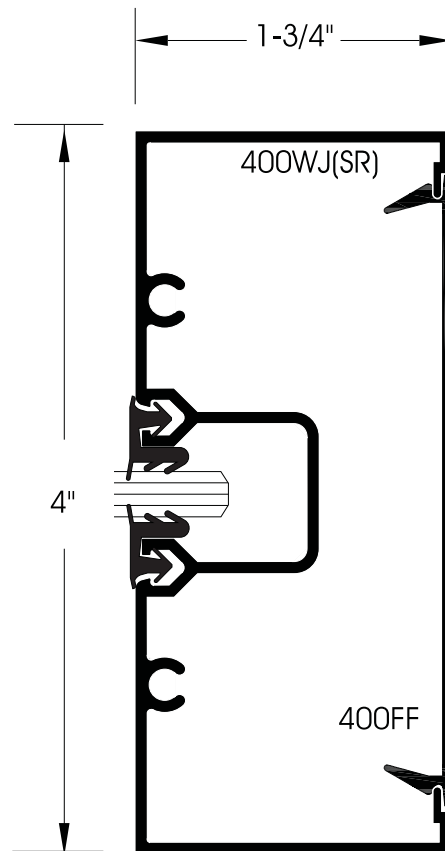


400 SERIES

1 3/4" x 4"
1/4" CENTER GLAZED

FULL SCALE

123



**WALL JAMB (SR)
+ FLAT FILLER**

PART NUMBER	400WJSR
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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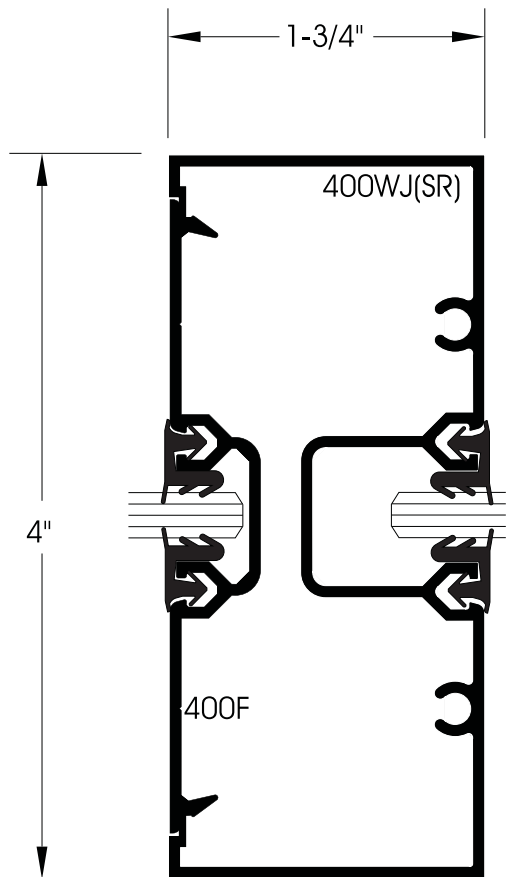
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400 SERIES
1 3/4" x 4"
1/4" CENTER GLAZED
FULL SCALE

124



WALL JAMB (SR)
+ FILLER

PART NUMBER	400WJSR
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERMEDIATE VERTICAL APPLICATION

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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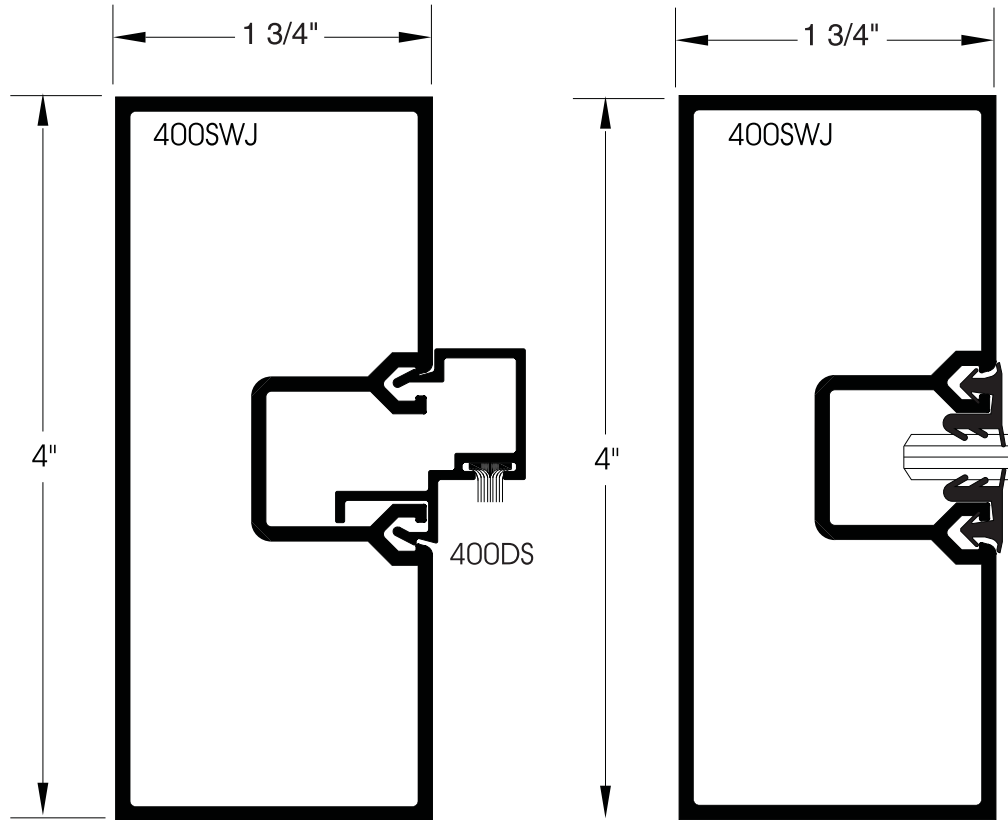




400 SERIES

1 3/4" x 4"
1/4" CENTER GLAZED

FULL SCALE



125

**SOLID WALL JAMB
+SNAP IN DOOR STOP**

PART NUMBER	400SWJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

SOLID WALL JAMB

PART NUMBER	400SWJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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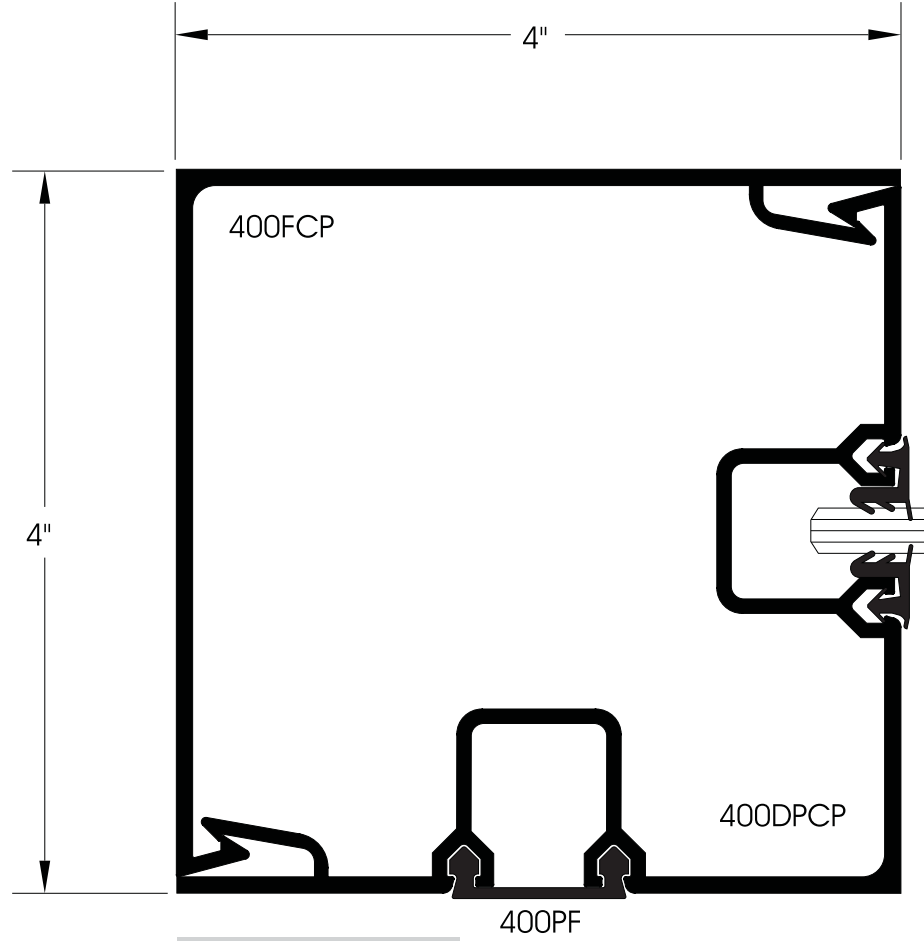
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400 SERIES
1 3/4" x 4"
1/4" CENTER GLAZED
FULL SCALE

126



**CORNER POST
ONE POCKET**

PART NUMBER	
LENGTH	24'-1"
FINISHES	MILL CLEAR BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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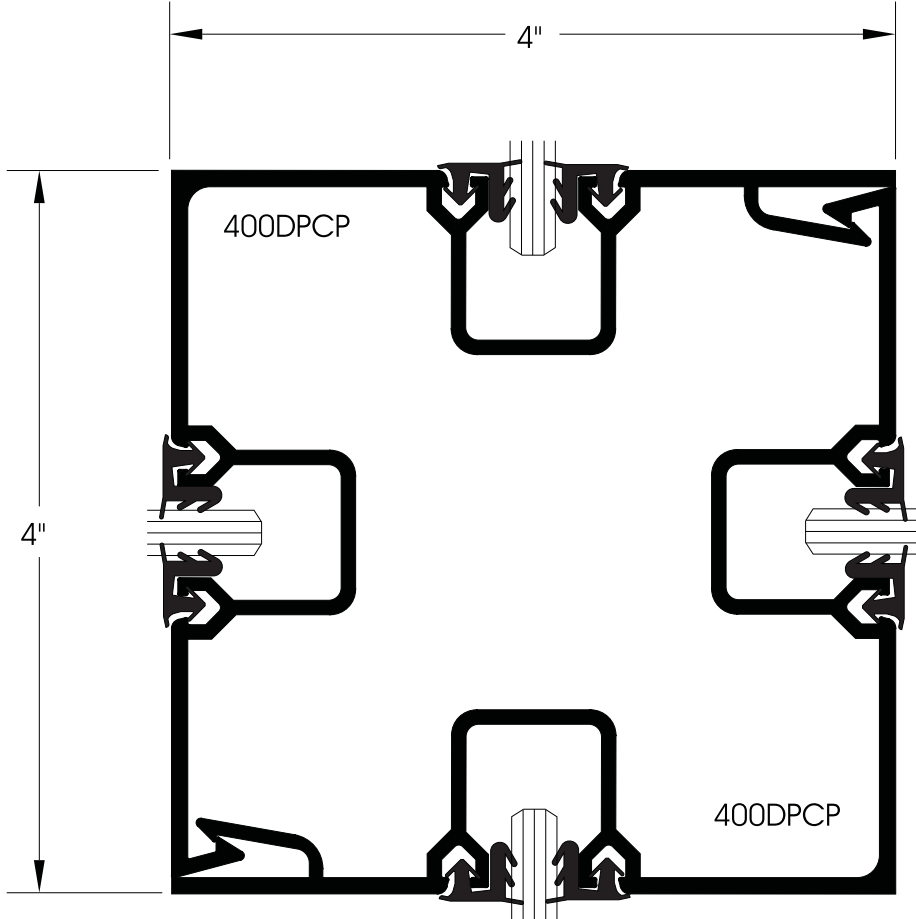
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400 SERIES
 1 3/4" x 4"
 1/4" CENTER GLAZED
FULL SCALE

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 "We have the *fastest* leadtimes in the industry guaranteed!"



127

**CORNER POST
 FOUR POCKET**

PART NUMBER	
LENGTH	24'-1"
FINISHES	MILL CLEAR BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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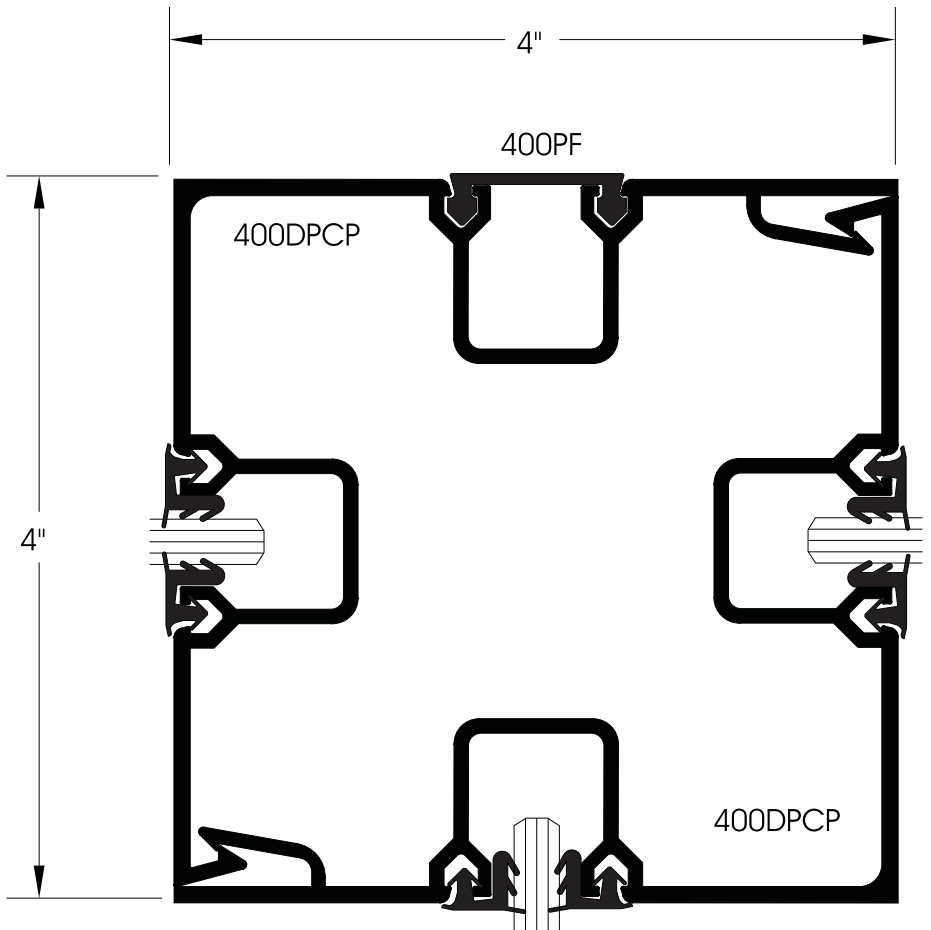
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400 SERIES
1 3/4" x 4"
1/4" CENTER GLAZED
FULL SCALE

128



**CORNER POST
THREE POCKET**

PART NUMBER	
LENGTH	24'-1"
FINISHES	MILL CLEAR BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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FX: (877) 274-8800

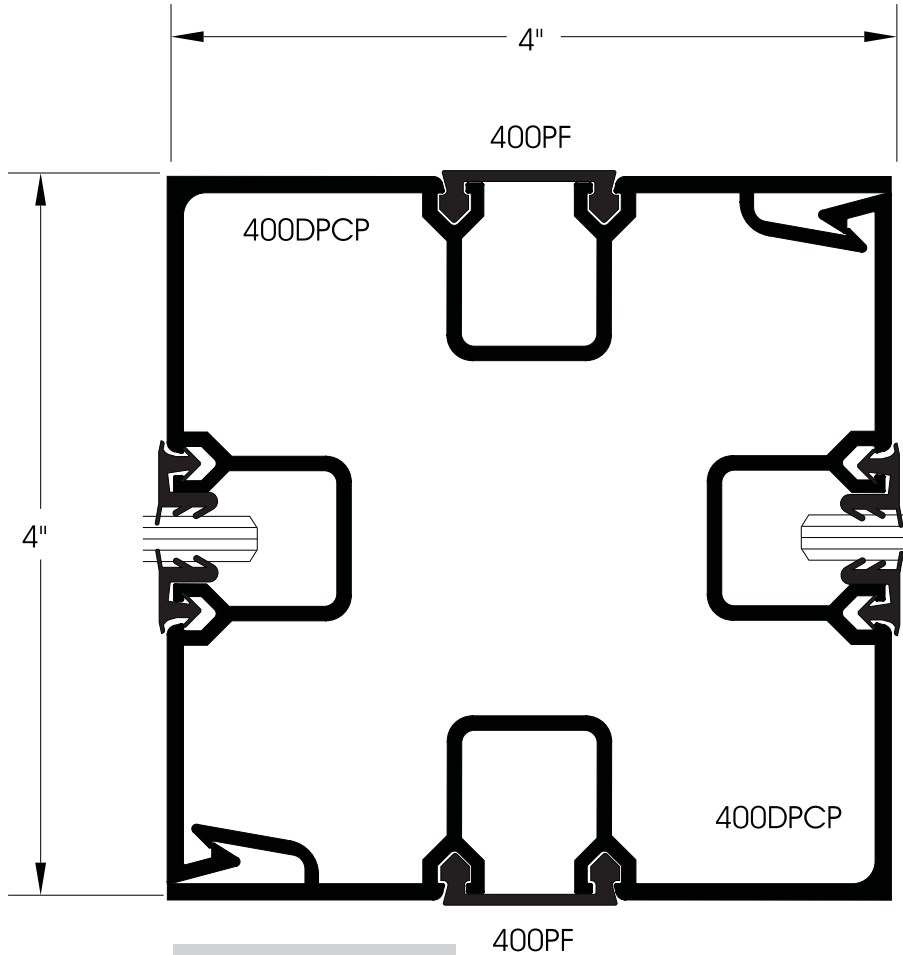
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e-mail:sales@prlaluminum.com





400 SERIES
1 3/4" x 4"
1/4" CENTER GLAZED
FULL SCALE



129

**CORNER POST
TWO POCKET**

PART NUMBER	
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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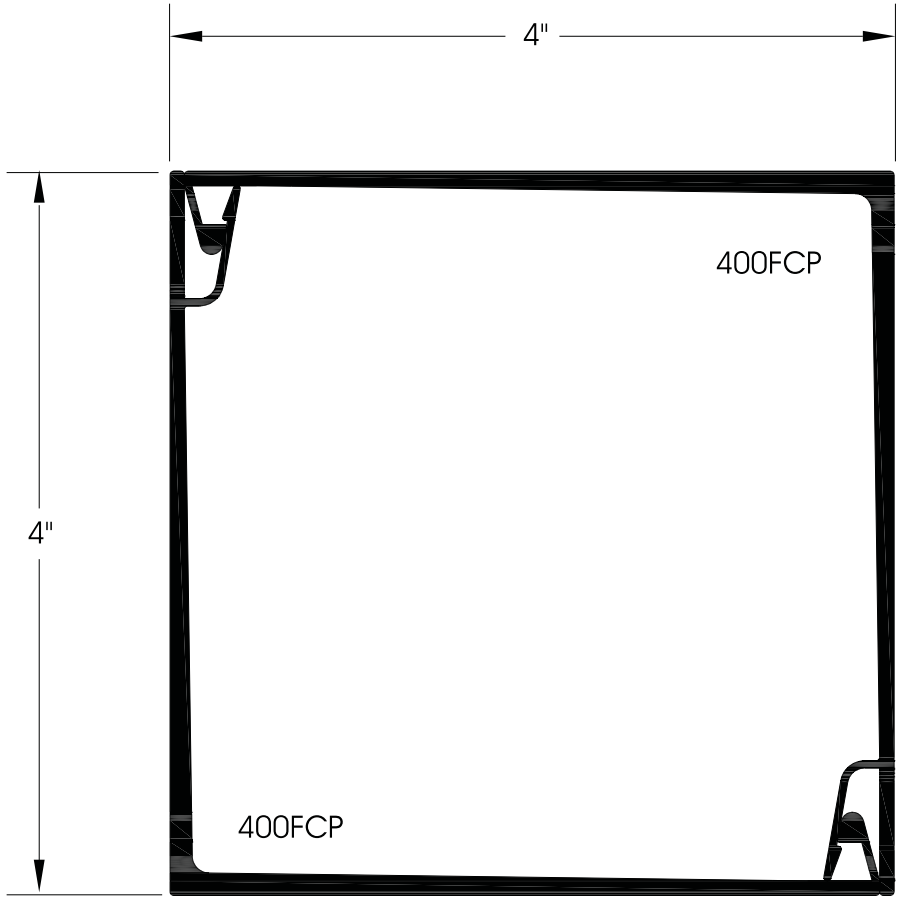
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e-mail:sales@prlaluminum.com





400 SERIES
1 3/4" x 4"
1/4" CENTER GLAZED
FULL SCALE

130



CORNER POST

PART NUMBER	
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

PH: (877) 775-2586
FX: (877) 274-8800

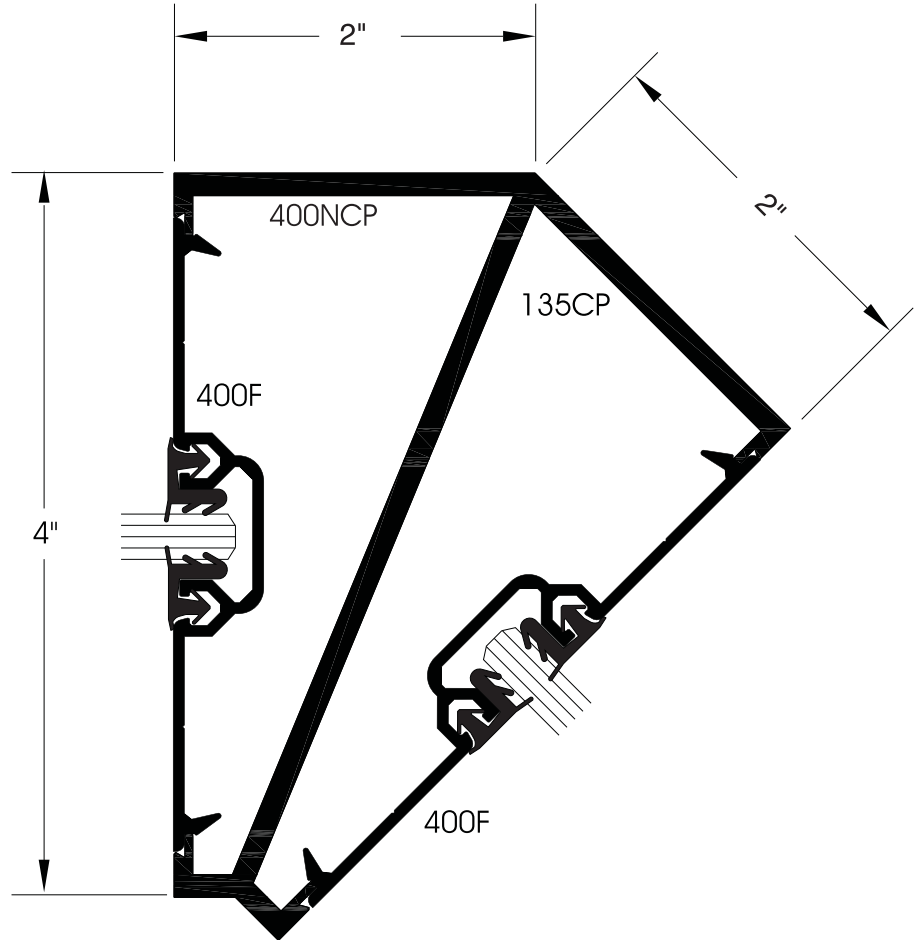
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400 SERIES
 1 3/4" x 4"
 1/4" CENTER GLAZED
FULL SCALE



131

**135° CORNER
 POST**

PART NUMBER	400NCP
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

PH: (877) 775-2586
FX: (877) 274-8800

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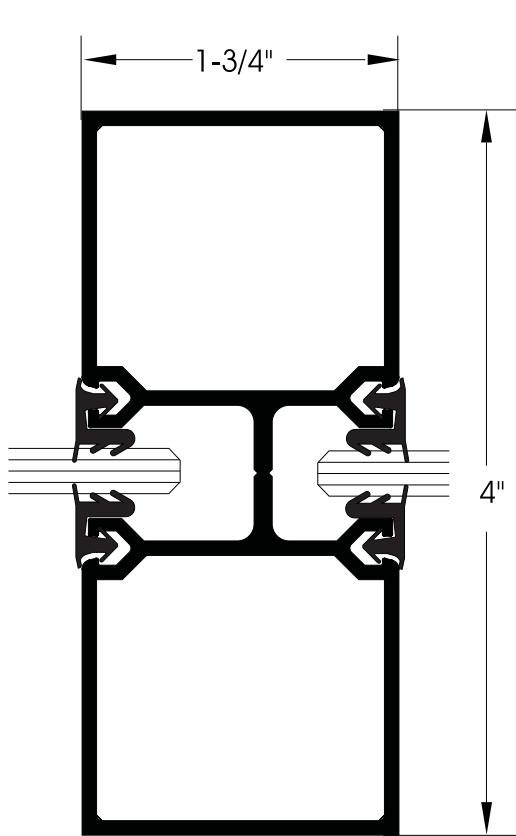
website:www.prlaluminum.com
e-mail:sales@prlaluminum.com





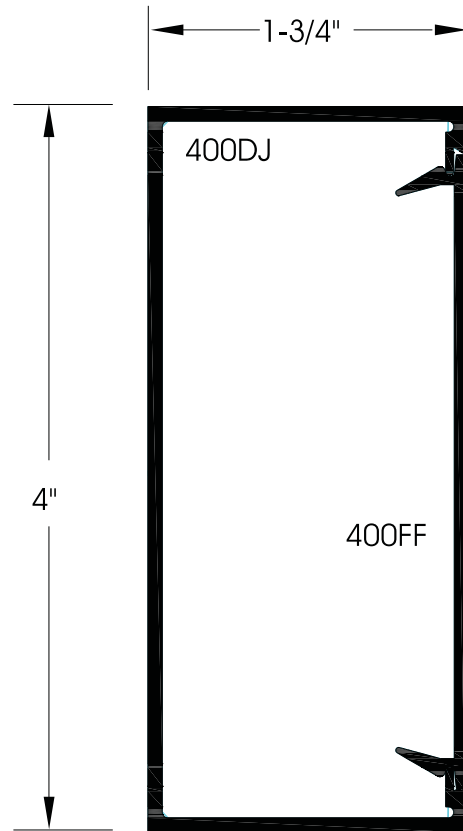
400 SERIES
 1 3/4" x 4"
 1/4" CENTER GLAZED
FULL SCALE

132



VERTICAL MULLION

PART NUMBER	400VM
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE



DOOR JAMB + FLAT FILLER

PART NUMBER	400DJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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FX: (877) 274-8800

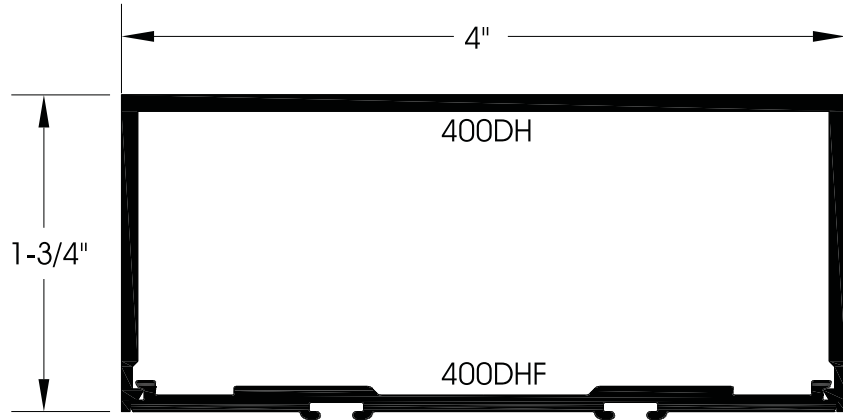
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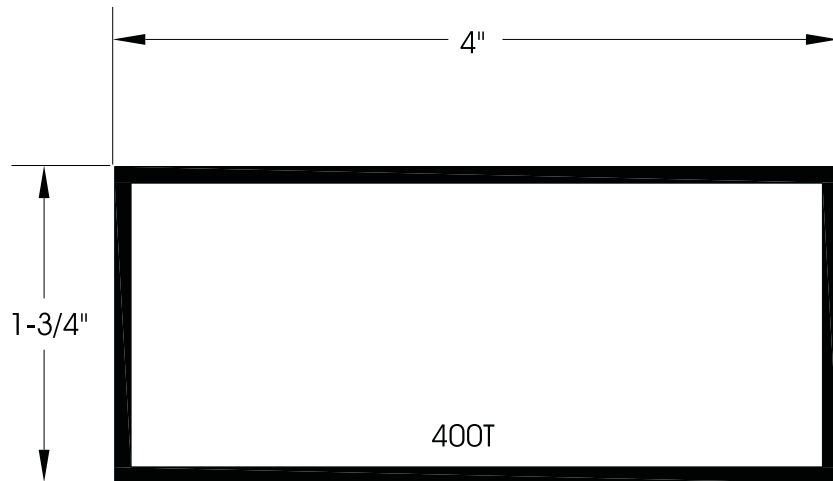
400 SERIES
 1 3/4" x 4"
 1/4" CENTER GLAZED
FULL SCALE



133

HEADER
 + DOOR HEADER FILLER

PART NUMBER	400DH
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE



TUBE

PART NUMBER	400T
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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400 SERIES

1 3/4" x 4"
1/4" CENTER GLAZED

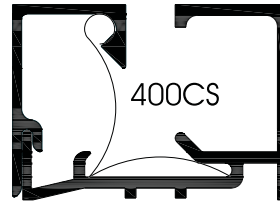
FULL SCALE

CLIP SASH

PART NUMBER	400CSA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

PRL Aluminum
ARCHITECTURAL PRODUCTS
"We have the *fastest* leadtimes in the industry guaranteed!"

400CSF

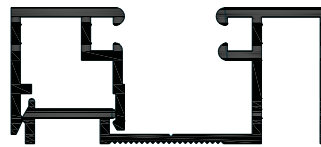


400CSB

VINYL SASH

PART NUMBER	999VSA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

999VSF

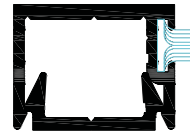


999VSB

APPLIED DOOR STOP

PART NUMBER	999ADA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

999ADF



999ADB

POCKET FILLER

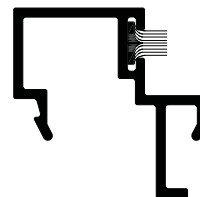
PART NUMBER	400PF
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE



400PF

SNAP-IN DOOR STOP

PART NUMBER	400DS
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE



400DS

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

134

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**400 SERIES**1 3/4" x 4"
1/4" CENTER GLAZED


"We have the *fastest* leadtimes in the industry guaranteed!"

**WINDLOAD
DESIGN**

GLAZING FRAMING SHALL BE DESIGNED NOT TO EXCEED L/175, RATIO CURVES REPRESENT LIMIT.

VALUES ARE BASED ON CRITERIA FOR SIMPLE BEAM UNIFORMLY LOADED.

ALLOWABLE STRESSES FOR 6063-T5 ALUMINUM ALLOY= 9500 P.S.I

ALLOWABLE STRESSES FOR A-36 STRUCTURAL STEEL= 21600 P.S.I

1/3 INCREASE FOR WIND LOAD DESIGN IS ALLOWED BASED ON UBC. PROVISIONS

MAX. DEFLECTION BETWEEN SUPPORTS FOR SINGLE SPAN: $\Delta = d = \frac{5WL^3}{384EI}$

MAX. BENDING MOMENT FOR SINGLE SPAN: $M = \frac{WL^2}{8}$

NOTATIONS REPRESENT:

W= FULL UNIFORM LOAD

L= LENGTH OF MULLION BETWEEN SUPPORTS

E= 10×10^6 P.S.I

I= MOMENT OF INERTIA

M= BENDING MOMENT

NOTE:

WINDLOAD CHARTS FOR CORNER MULLIONS ARE BASED ON THE ASSUMPTION THAT THE SPACING ON EACH SIDE OF THE MULLIONS ARE EQUAL.

135

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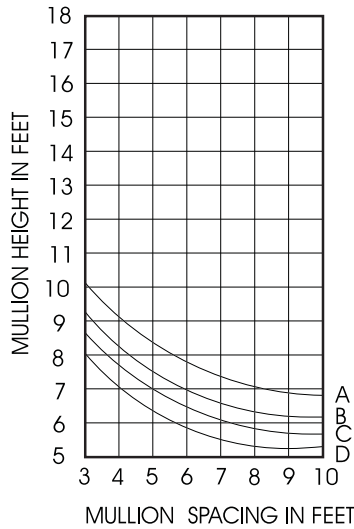


400 SERIES

1 3/4" x 4"
1/4" CENTER GLAZED

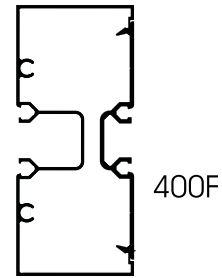
WINDLOAD CHARTS

136

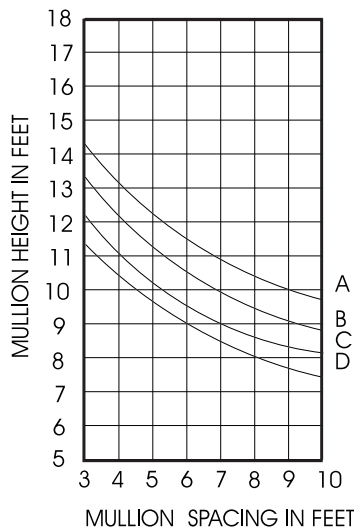


$I_{102} = 1.630$
 $S_{102} = .815$

400WJSR

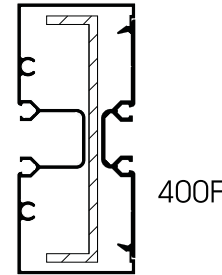


CURVE PRESENTATION
A = 15 P.S.F. (75M.P.H)
B = 20 P.S.F. (90 M.P.H)
C = 25 P.S.F. (100 M.P.H)
D = 30 P.S.F. (110 M.P.H)



$I_{102/STL} = 4.642$
 $S_{102/STL} = 1.672$

400WJSR



WITH STEEL REINFORCEMENT
3/4" X 3-5/8" 10 GA

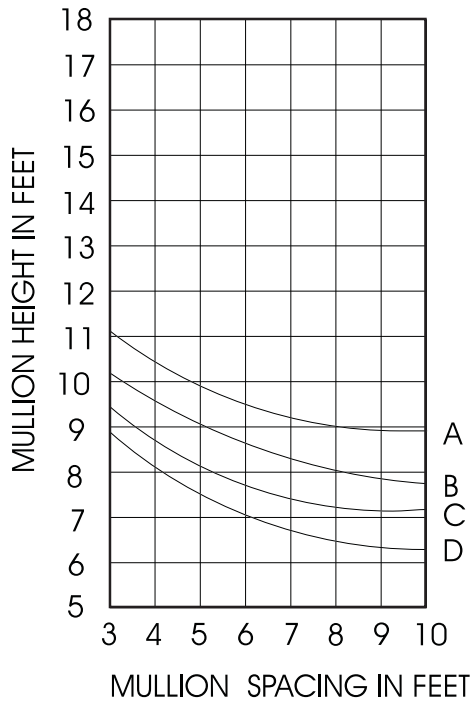




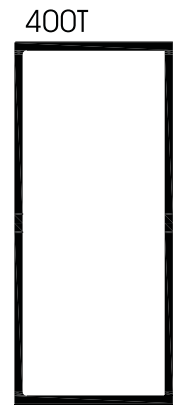
400 SERIES
 1 3/4" x 4"
 1/4" CENTER GLAZED



WINDLOAD CHARTS

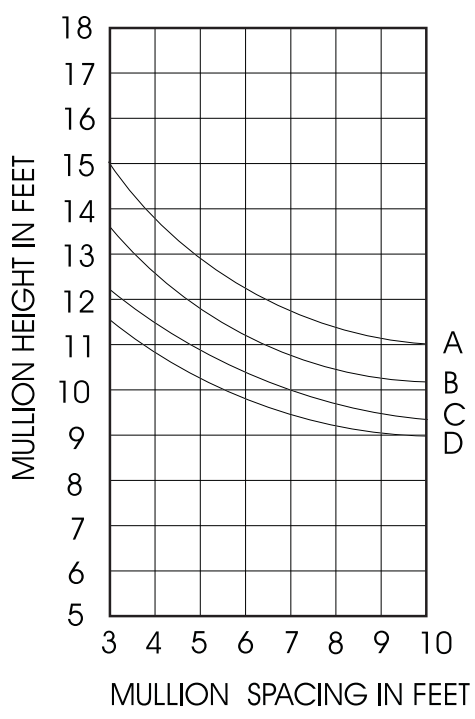


I = 2.040
 S = 1.20

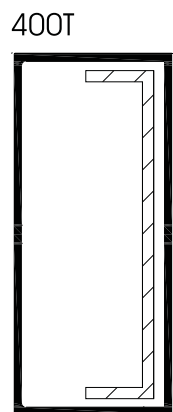


137

CURVE PRESENTATION
 A = 15 P.S.F. (75M.P.H)
 B = 20 P.S.F. (90 M.P.H)
 C = 25 P.S.F. (100 M.P.H)
 D = 30 P.S.F. (110 M.P.H)



I = 5.052
 S = 2.526



WITH STEEL REINFORCEMENT
 3/4" X 3-5/8" 10 GA

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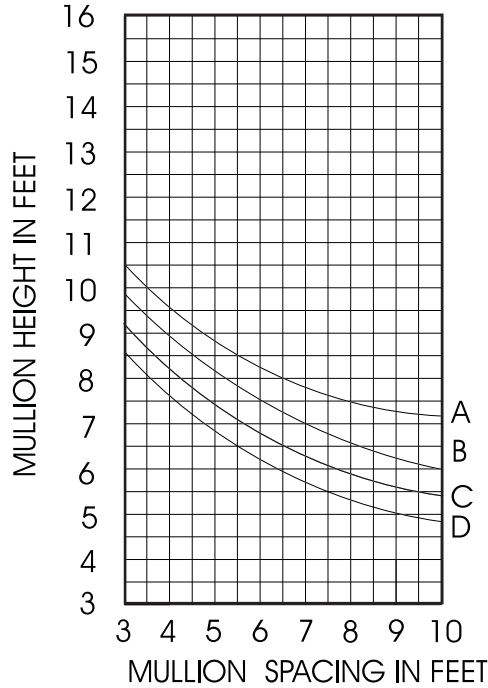


400 SERIES

1 3/4" x 4"
1/4" CENTER GLAZED

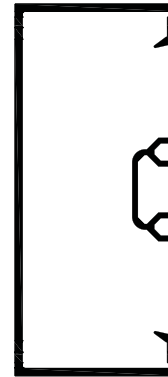
WINDLOAD CHARTS

138



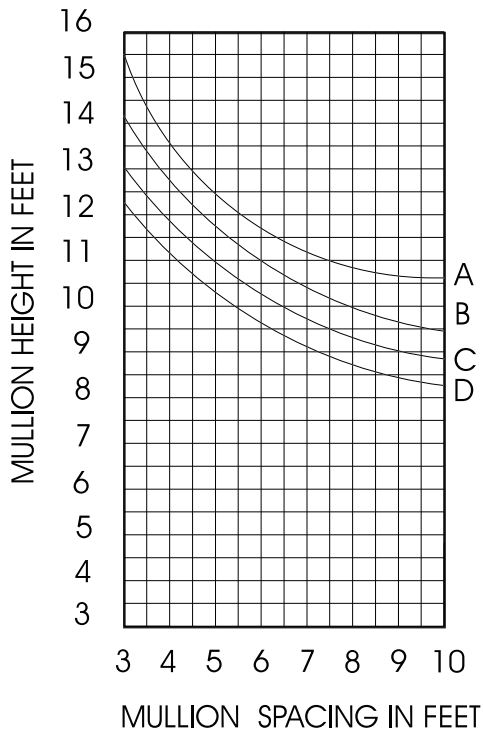
$I = 1.892 \text{ IN}^4$
 $S = 0.841 \text{ IN}^3$

400DJ W/400F



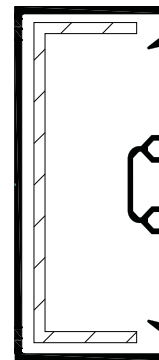
CURVE PRESENTATION

- A = 15 P.S.F. (75 M.P.H)
- B = 20 P.S.F. (90 M.P.H)
- C = 25 P.S.F. (100 M.P.H)
- D = 30 P.S.F. (110 M.P.H)



$I = 5.601 \text{ IN}^4$

400DJ W/400F



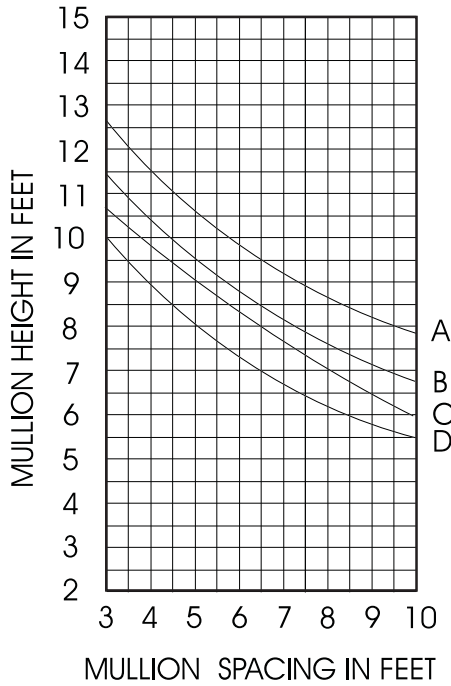
WITH STEEL REINFORCEMENT
1" X 3-11/16" X 10 GA.



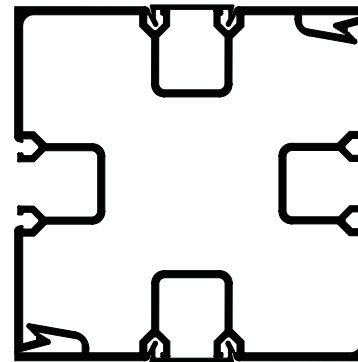


400 SERIES
 1 3/4" x 4"
 1/4" CENTER GLAZED

WINDLOAD CHARTS



$I = 3.054^4$
 $S = 1.082^3$

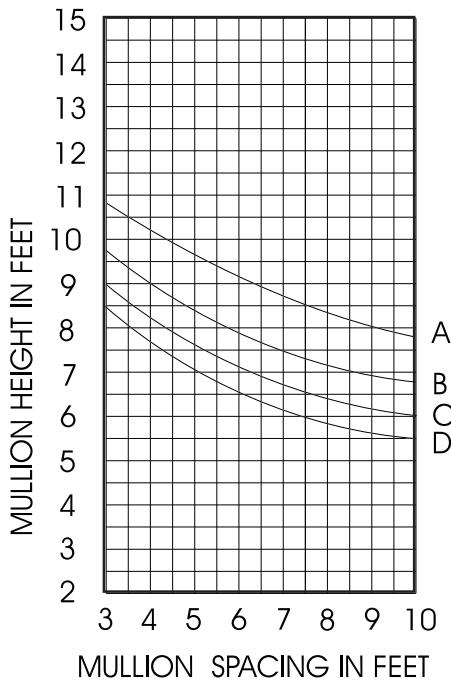


400DPCP/400DPCP

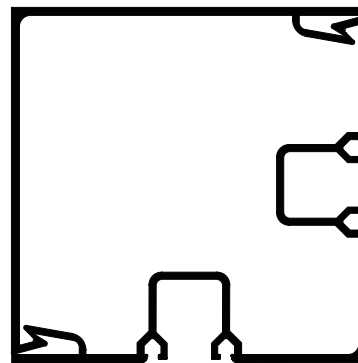
139

CURVE PRESENTATION

- A = 15 P.S.F. (75M.P.H)
- B = 20 P.S.F. (90 M.P.H)
- C = 25 P.S.F. (100 M.P.H)
- D = 30 P.S.F. (110 M.P.H)



$I = 1.303 \text{ IN}^4$
 $S = .802 \text{ IN}^3$



400FCP/400DPCP





400 SERIES

1 3/4" x 4"
1/4" CENTER GLAZED


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 ARCHITECTURAL PRODUCTS
 "We have the *fastest* leadtimes in the industry guaranteed!"

DEAD LOAD DESIGN CRITERIA

GLAZING FRAMING SHALL BE DESIGNED FOR L/360 OR 1/8" DEFLECTION WHICHEVER IS LESS, RATIO CURVES REPRESENT LIMIT

VALUES AND ARE BASED ON CRITERIA FOR SIMPLE BEAM UNIFORMLY LOADED.

ALLOWABLE STRESSES FOR 6063-T5 ALUMINUM ALLOY = 9500 P.S.I.

ALLOWABLE STRESSES FOR A-36 STRUCTURAL STEEL = 21600 P.S.I.

140

MAXIMUM DEFLECTION BETWEEN SUPPORTS FOR SINGLE SPAN:

$$\triangle = \frac{PA}{24EI} (3L^2 - 4a^2)$$

MAXIMUM BENDING MOMENT FOR SINGLE SPAN:

$$M = Pa$$

NOTATIONS REPRESENT:

P = 1/2" GLASS LOAD

a = 1/4" OR 1/8" POINT OF SPAN (AS SPECIFIED ON CHARTS)

E = 10 X 10⁶ P.S.I.

I = MOMENT OF INERTIA OF THE MULLION

L = LENGTH OF HORIZONTAL SPAN

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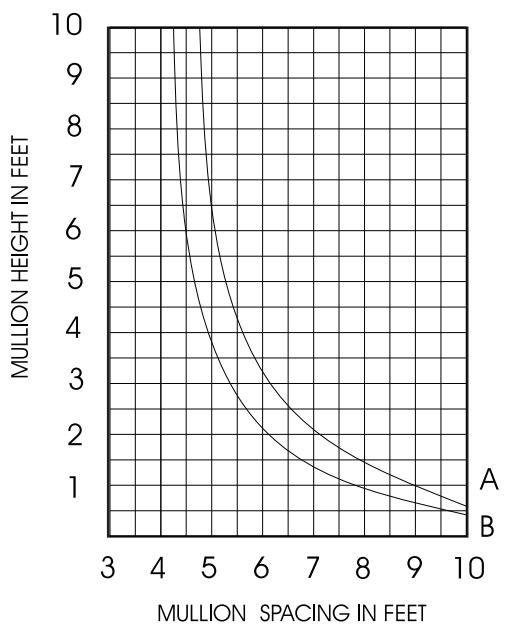
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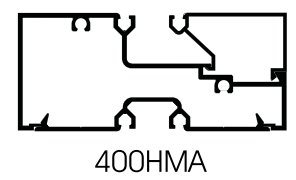


400 SERIES
 1 3/4" x 4"
 1/4" CENTER GLAZED

DEADLOAD CHARTS



I = .201 IN⁴ MAX. ALLOW DEFL. L/360 OR 1/8"
 S = .203 IN⁴ WHICHEVER IS LESS



141

CURVE PRESENTATION

A (---) = 1/8 PTS. OR
 A MINIMUM OF 8" AWAY
 FROM THE EDGE OF THE GLASS

B () = 1/8 PTS. OR
 A MINIMUM OF 8" AWAY
 FROM THE EDGE OF THE GLASS





401 SERIES

1 3/4" x 4"
1/4" OFFSET GLAZED

SPECIFICATIONS



The 401 Series is an offset glazed system designed specifically to be glazed with 1/4" glass furnished in a complete line of extrusions and accessories to accommodate most job conditions.

This glazing system is available in 1 3/4"x 4" sections. .

142

1-Specifications Materials.

- 1.1 All framing sections shall be extruded from 6063-T5 aluminum alloy.
- 1.2 All glazing beads shall be NS (non-stretch, high-shore) vinyl used on both sides of the glass. Vinyl shall incorporate a fiberglass cord bonded with the vinyl.
- 1.3 Sections shall conform to details and shall present clean, straight, sharply defined lines, and shall be free from defects impairing strength or durability.
- 1.4 All screws, nuts, bolts and fastening devices and internal components shall be of aluminum, stainless steel or other non-corrosive material.

2-Workmanship.

All factory preparation from detail drawings shall be so fabricated that field assembly will be able to produce accurate, tightly fitted joints.

3-Finish.

Extrusions shall be free of scratches and other blemishes. Aluminum shall be given an Architectural class II (class I is available upon request*) protective anodic coating that conforms to industry specification standards (A21/Clear, A24/bronze) in (specify one) clear or bronze colors, others are available upon request*.

*please consult PRL Aluminum for details.

4-Installation.

- 4.1 Storefront components shall be installed in openings properly prepared. They shall be set plumb, square and level in exact alignment with surrounding work.
- 4.2 All joints between metal and masonry shall be fully caulked and field tested to resist water leakage with provisions taken to drain infiltrated water.
- 4.3 Framing assembly may require internal reinforcement and singular perimeter anchoring to meet particular conditions, along with specific engineering calculations.





401 SERIES

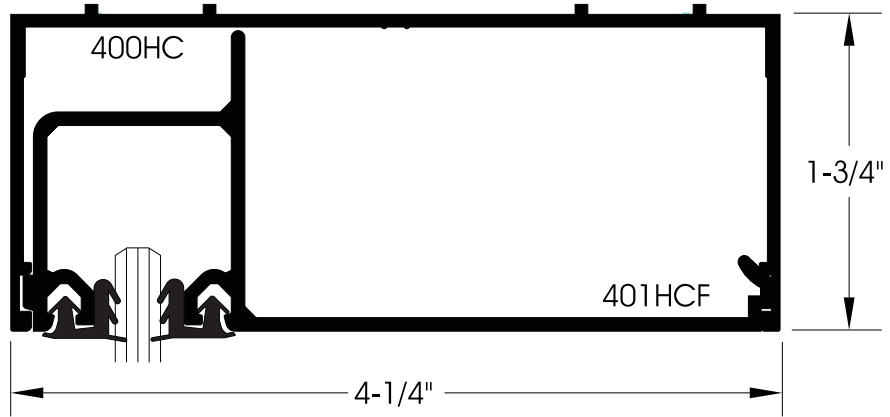
1 3/4" x 4"
 1/4" OFFSET GLAZED

FULL SCALE

HEAD CAN ASSEMBLY

PART NUMBER	401HCA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

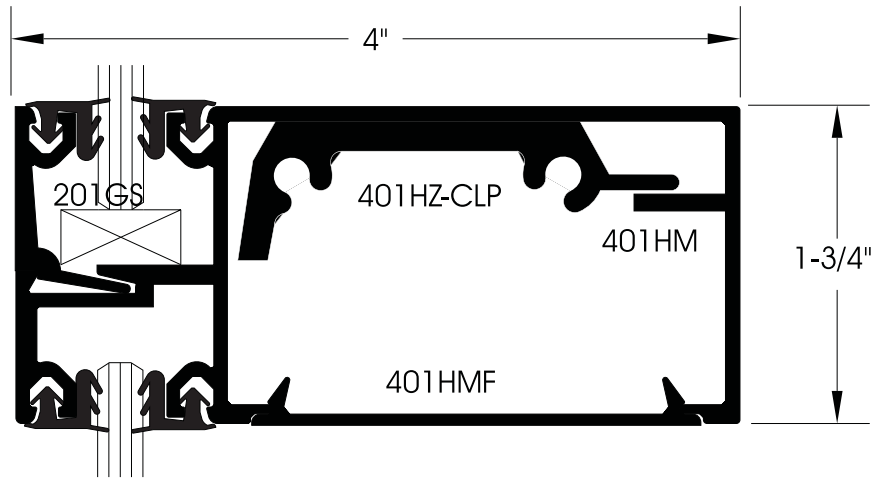
EXTERIOR/INTERIOR APPLICATION



143

INTERMEDIATE HORIZONTAL

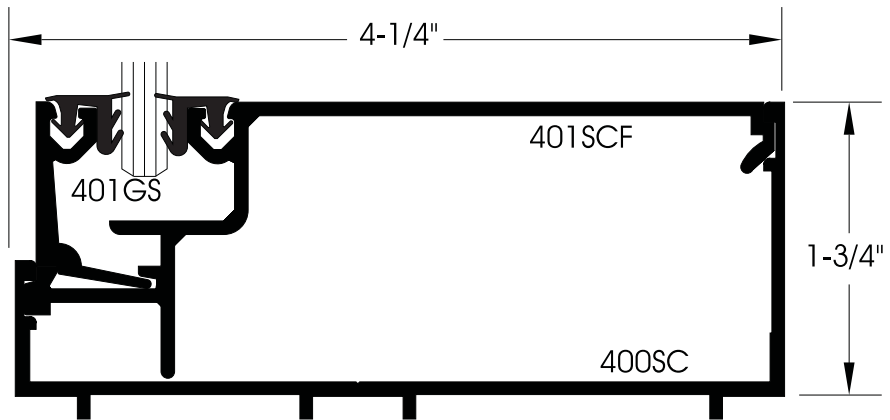
PART NUMBER	401HMA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE



SILL CAN ASSEMBLY

PART NUMBER	401SCA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

EXTERIOR/INTERIOR APPLICATION



MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details





401 SERIES

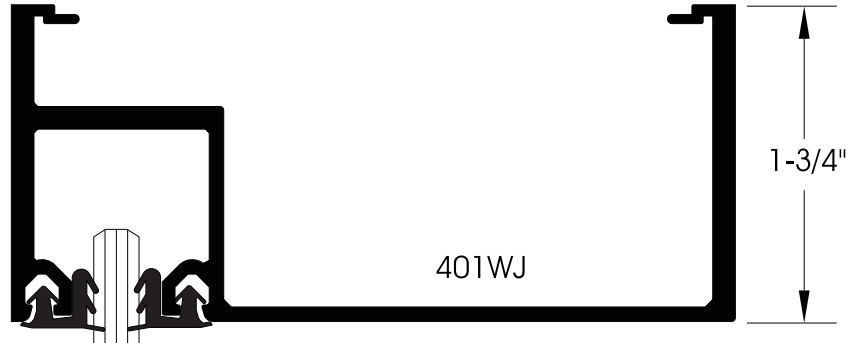
1 3/4" x 4"
 1/4" OFFSET GLAZED

FULL SCALE

WALL JAMB

PART NUMBER	401WJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

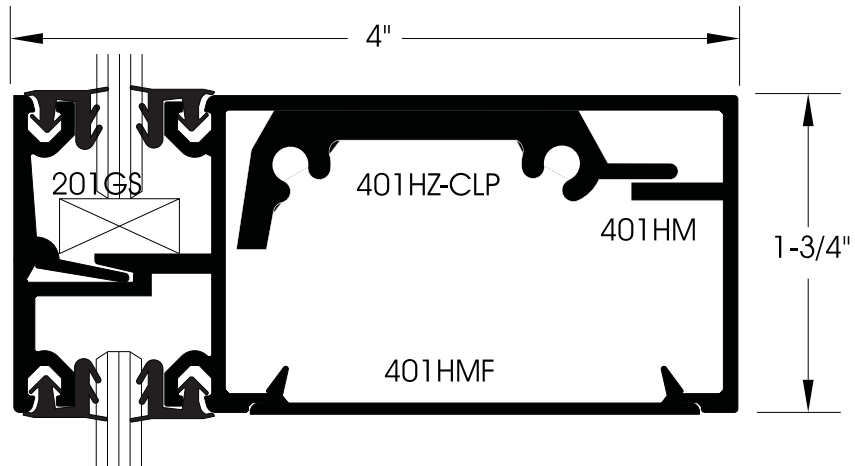
INTERIOR HEAD APPLICATION



144

INTERMEDIATE HORIZONTAL

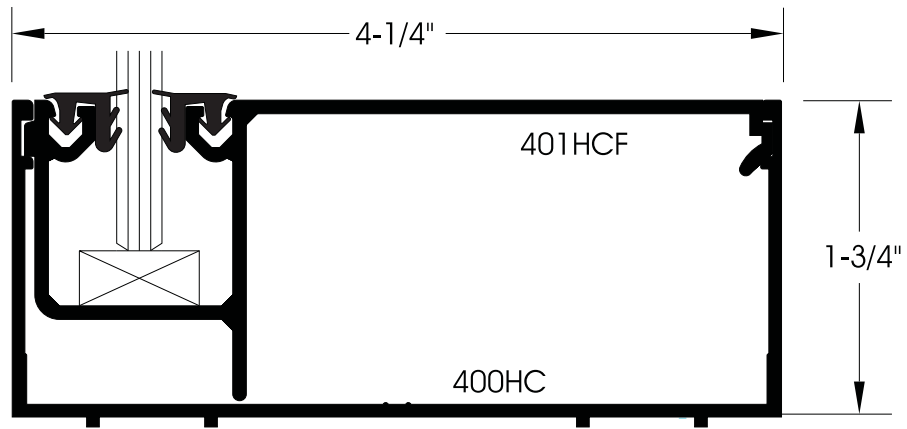
PART NUMBER	401HMA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE



HEAD CAN ASSEMBLY

PART NUMBER	401HCA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERIOR SILL APPLICATION



MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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401 SERIES

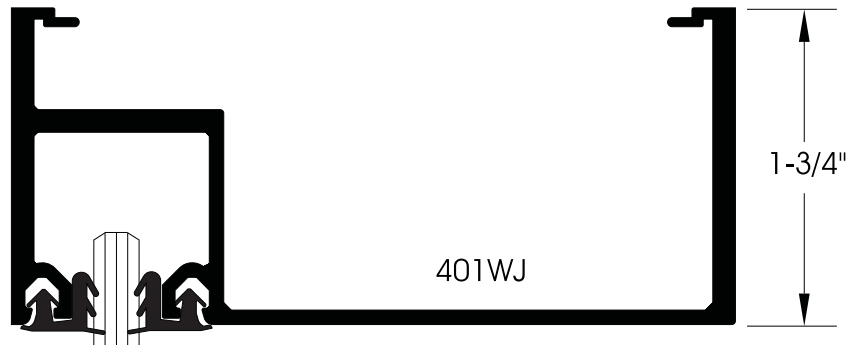
1 3/4" x 4"
1/4" OFFSET GLAZED

FULL SCALE

WALL JAMB

PART NUMBER	401WJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERIOR HEAD APPLICATION

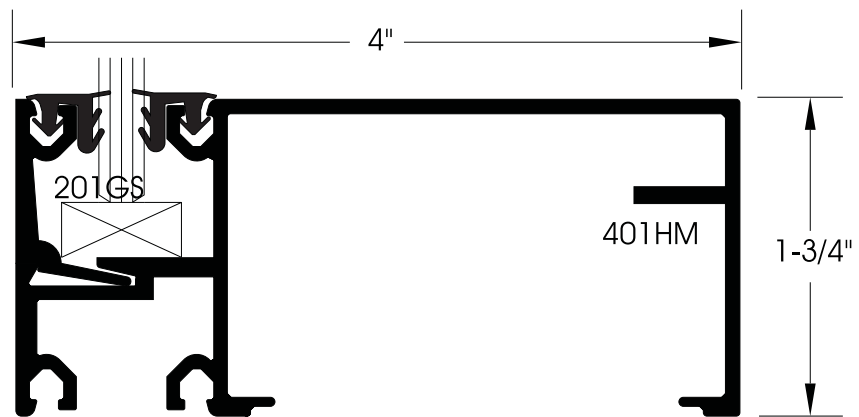


145

INTERMEDIATE HORIZONTAL

PART NUMBER	401HMA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERIOR SILL APPLICATION



MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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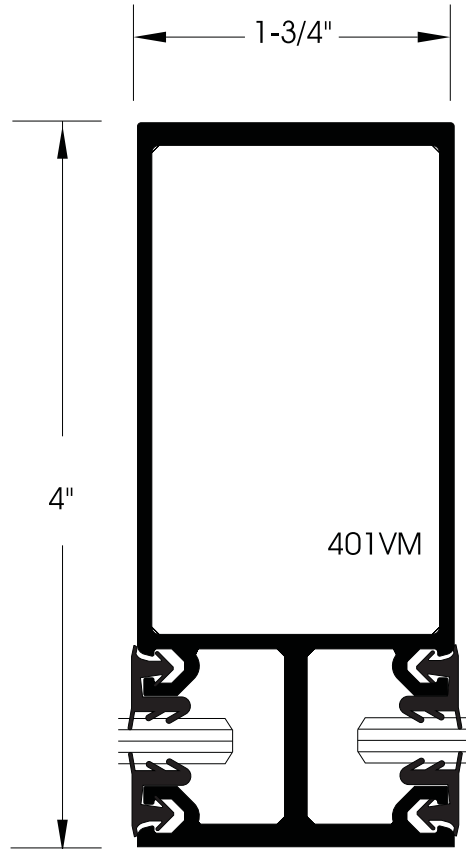
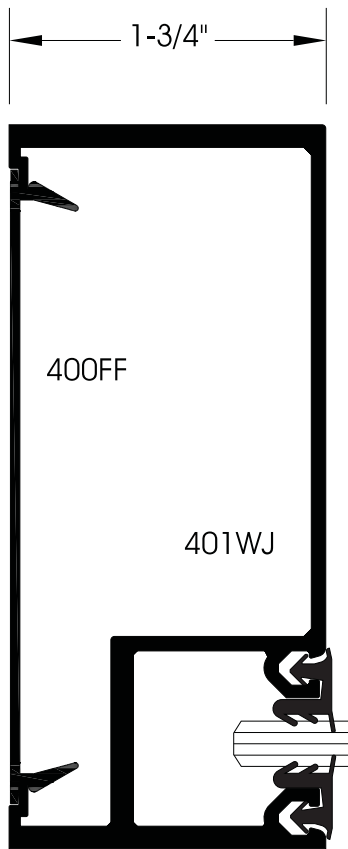


401 SERIES

1 3/4" x 4"
1/4" OFFSET GLAZED

FULL SCALE

146



**WALL JAMB
+ FLAT FILLER**

PART NUMBER	401WJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

**VERTICAL
MULLION**

PART NUMBER	401VM
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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FX: (877) 274-8800

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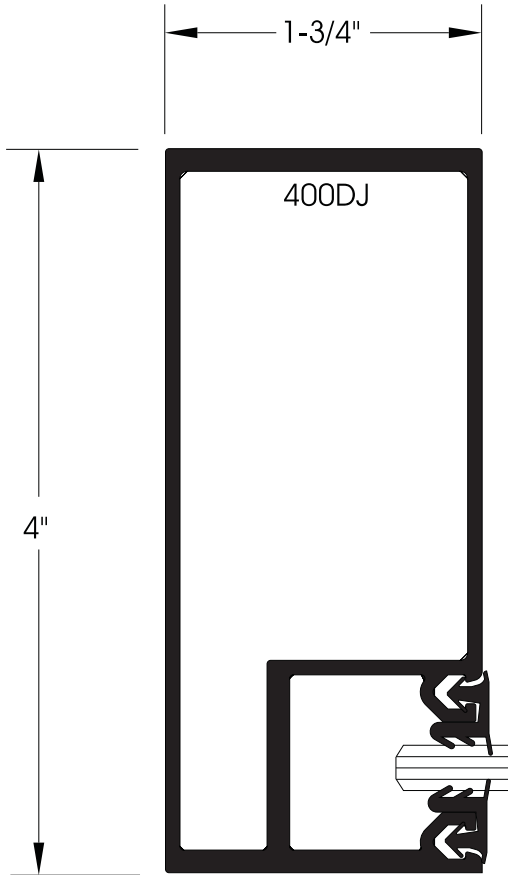
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401 SERIES
 1 3/4" x 4"
 1/4" OFFSET GLAZED
FULL SCALE

147



DOOR JAMB

PART NUMBER	401DJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERMEDIATE VERTICAL APPLICATION

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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**401 SERIES**1 3/4" x 4"
1/4" OFFSET GLAZED


"We have the *fastest* leadtimes in the industry guaranteed!"

**WINDLOAD
DESIGN****148**

GLAZING FRAMING SHALL BE DESIGNED NOT TO EXCEED L/175, RATIO CURVES REPRESENT LIMIT.

VALUES ARE BASED ON CRITERIA FOR SIMPLE BEAM UNIFORMLY LOADED.

ALLOWABLE STRESSES FOR 6063-T5 ALUMINUM ALLOY= 9500 P.S.I

ALLOWABLE STRESSES FOR A-36 STRUCTURAL STEEL= 21600 P.S.I

1/3 INCREASE FOR WIND LOAD DESIGN IS ALLOWED BASED ON UBC. PROVISIONS

MAX. DEFLECTION BETWEEN SUPPORTS FOR SINGLE SPAN: $\Delta = d = \frac{5WL^3}{384EI}$

MAX. BENDING MOMENT FOR SINGLE SPAN: $M = \frac{WL^2}{8}$

NOTATIONS REPRESENT:

W= FULL UNIFORM LOAD

L= LENGTH OF MULLION BETWEEN SUPPORTS

E= 10×10^6 P.S.I

I= MOMENT OF INERTIA

M= BENDING MOMENT

NOTE:

WINDLOAD CHARTS FOR CORNER MULLIONS ARE BASED ON THE ASSUMPTION THAT THE SPACING ON EACH SIDE OF THE MULLIONS ARE EQUAL.

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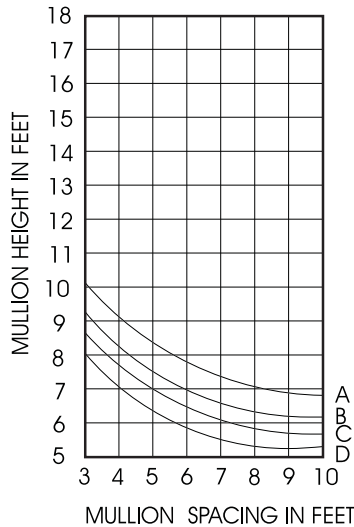




401 SERIES

1 3/4" x 4"
1/4" OFFSET GLAZED

WINDLOAD CHARTS



$I_{102} = 1.630$
 $S_{102} = .815$

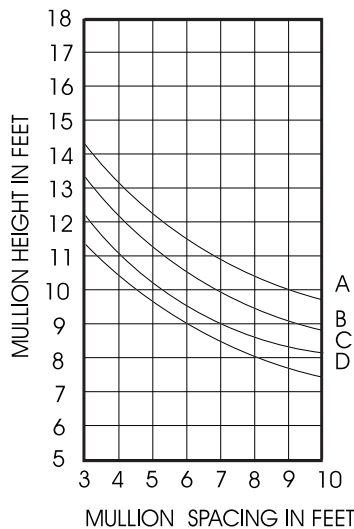


401VM

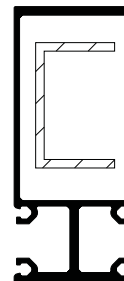
149

CURVE PRESENTATION

- A = 15 P.S.F. (75M.P.H)
- B = 20 P.S.F. (90 M.P.H)
- C = 25 P.S.F. (100 M.P.H)
- D = 30 P.S.F. (110 M.P.H)



$I_{102/STL} = 4.642$
 $S_{102/STL} = 1.672$



401VM

WITH STEEL REINFORCEMENT
3/4" X 2-7/16" 10 GA



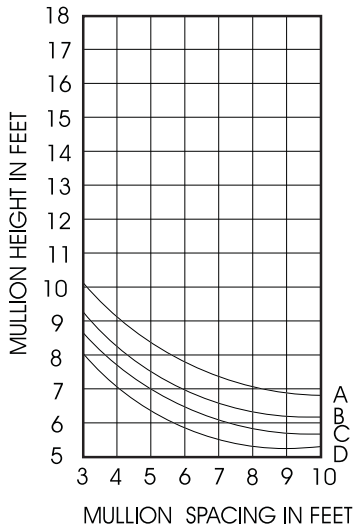


401 SERIES

1 3/4" x 4"
1/4" OFFSET GLAZED

WINDLOAD CHARTS

150



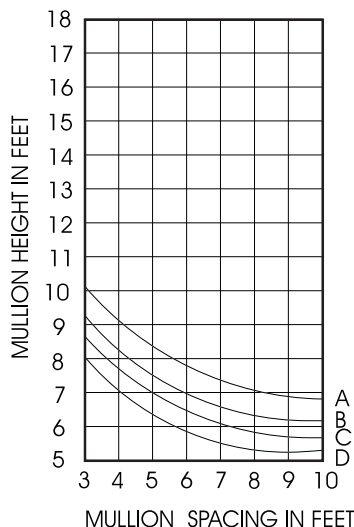
I₁₀₂ = 1.630
S₁₀₂ = .815



401DJ

CURVE PRESENTATION

- A = 15 P.S.F. (75M.P.H)
- B = 20 P.S.F. (90 M.P.H)
- C = 25 P.S.F. (100 M.P.H)
- D = 30 P.S.F. (110 M.P.H)



I₁₀₂ = 1.630
S₁₀₂ = .815



401WJ





450 SERIES

1 3/4" x 4 1/2"
1/4" CENTER GLAZED

SPECIFICATIONS



The 450 series is more versatile for exterior applications, since its design meets higher performance standards. All the system components are designed to allow interchangeability making them ideal for either exterior and interior applications.

The Series are industry standard center glazing systems that receives all standard entrance door hardware and door types with single or double action door hardware.

The systems will receive 1/4" glass in a 1/2" glass pocket width and can be shop or field fabricated. The extrusions can be reinforced to meet more rigorous performance requirements.

151

1-Specifications Materials.

- 1.1 All framing sections shall be extruded from 6063-T5 aluminum alloy.
- 1.2 All glazing beads shall be NS (non-stretch, high-shore) vinyl used on both sides of the glass. Vinyl shall incorporate a fiberglass cord bonded with the vinyl.
- 1.3 Sections shall conform to details and shall present clean, straight, sharply defined lines, and shall be free from defects impairing strength or durability.
- 1.4 All screws, nuts, bolts and fastening devices and internal components shall be of aluminum, stainless steel or other non-corrosive material.

2-Workmanship.

All factory preparation from detail drawings shall be so fabricated that field assembly will be able to produce accurate, tightly fitted joints.

3-Finish.

Extrusions shall be free of scratches and other blemishes. Aluminum shall be given an Architectural class II (class I is available upon request*) protective anodic coating that conforms to industry specification standards (A21/Clear, A24/bronze) in (specify one) clear or bronze colors, others are available upon request*.

*please consult PRL Aluminum for details.

4-Installation.

- 4.1 Storefront components shall be installed in openings properly prepared. They shall be set plumb, square and level in exact alignment with surrounding work .
- 4.2 All joints between metal and masonry shall be fully caulked and field tested to resist water leakage with provisions taken to drain infiltrated water.
- 4.3 Framing assembly may require internal reinforcement and singular perimeter anchoring to meet particular conditions, along with specific engineering calculations.





450 SERIES

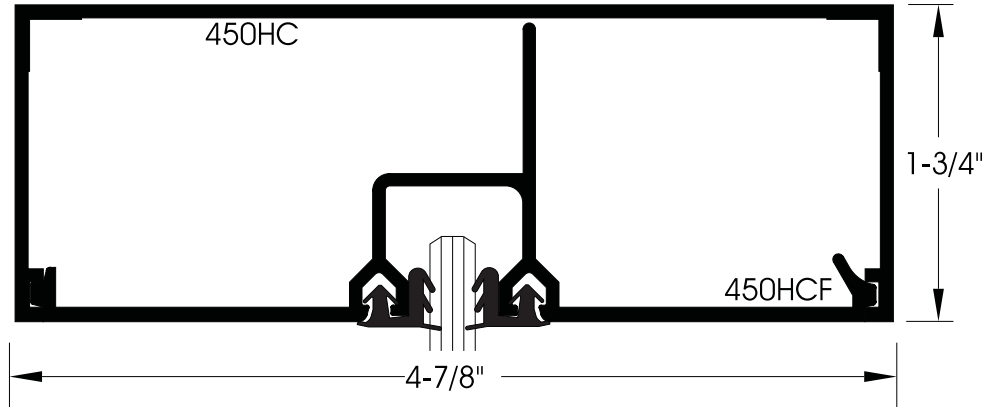
1 3/4" x 4 1/2"
1/4" CENTER GLAZED

FULL SCALE

HEAD CAN ASSEMBLY

PART NUMBER	450HCA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

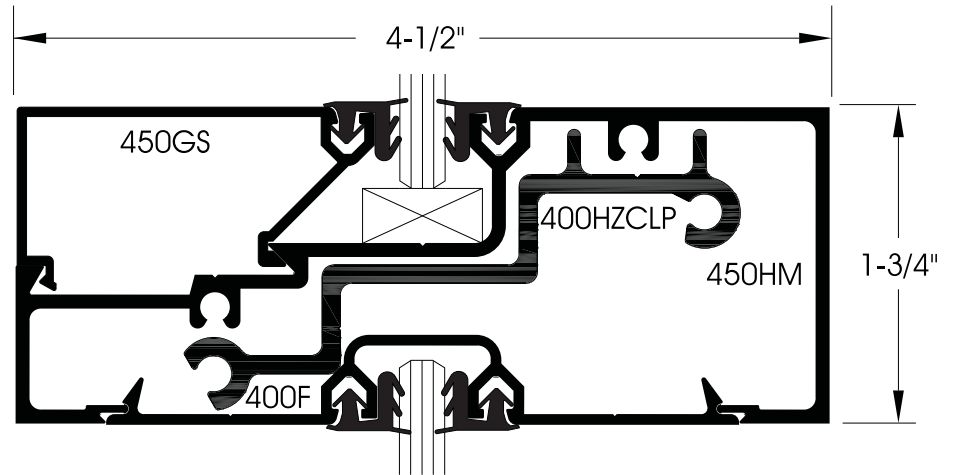
EXTERIOR/INTERIOR APPLICATION



152

INTERMEDIATE HORIZONTAL

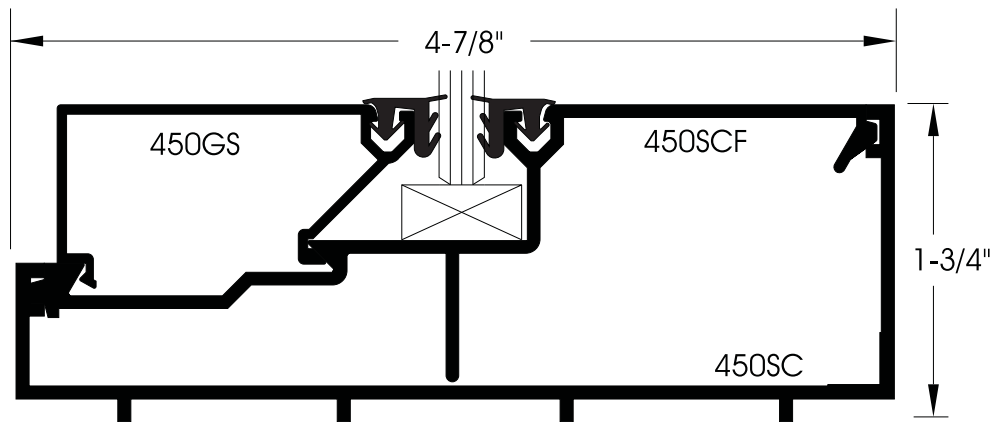
PART NUMBER	450HMA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE



SILL CAN ASSEMBLY

PART NUMBER	450SCA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

EXTERIOR/INTERIOR APPLICATION



MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details





450 SERIES

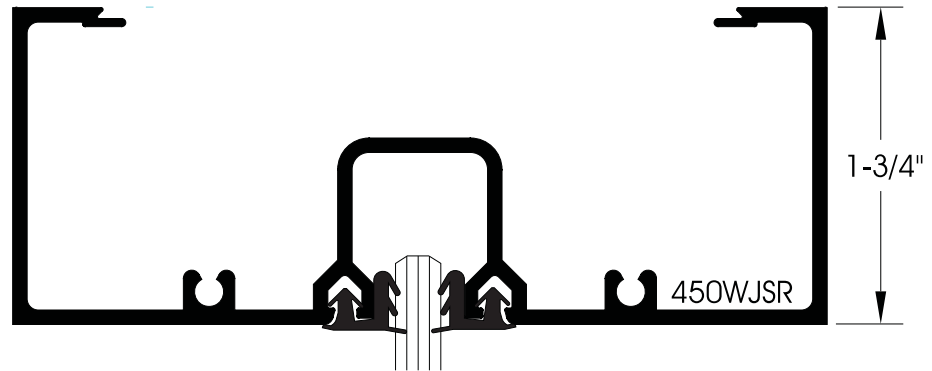
1 3/4" x 4 1/2"
1/4" CENTER GLAZED

FULL SCALE

WALL JAMB

PART NUMBER	450WJSR
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

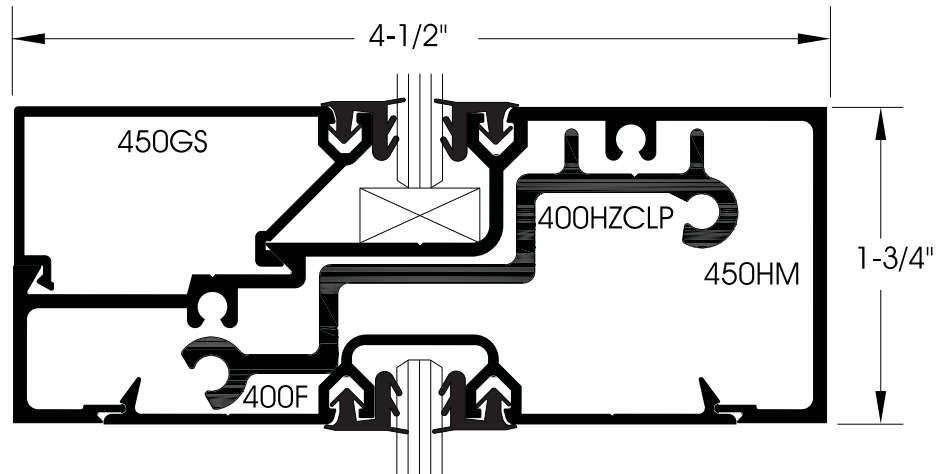
INTERIOR HEAD APPLICATION



153

INTERMEDIATE HORIZONTAL

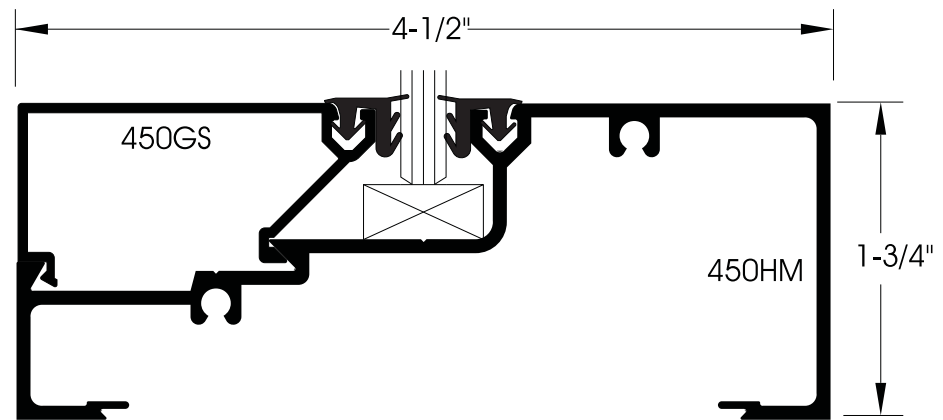
PART NUMBER	450HMA
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE



HORIZONTAL + GLASS STOP

PART NUMBER	450HM
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERIOR SILL APPLICATION



MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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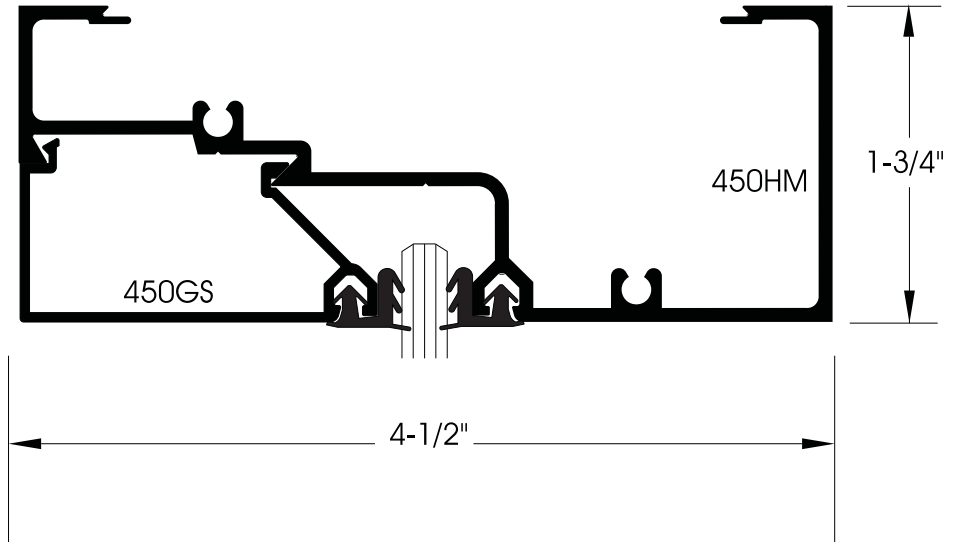
450 SERIES
 1 3/4" x 4 1/2"
 1/4" CENTER GLAZED
FULL SCALE

154

HORIZONTAL
 + GLASS STOP

PART NUMBER	450HM
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

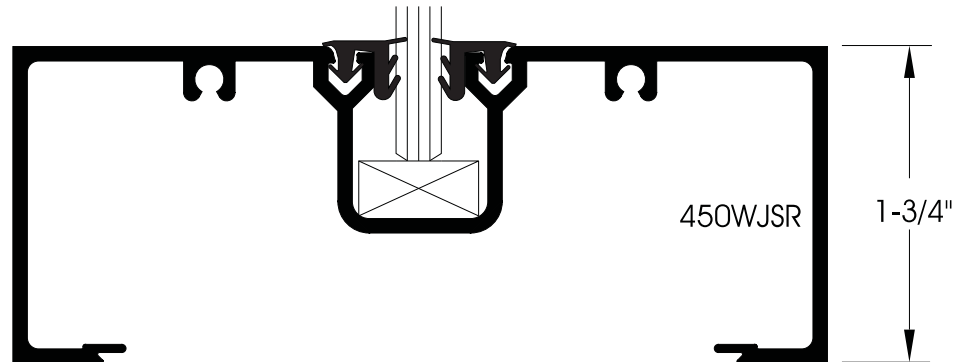
INTERIOR HEAD APPLICATION



WALL JAMB (SR)

PART NUMBER	450WJSR
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

INTERIOR SILL APPLICATION



MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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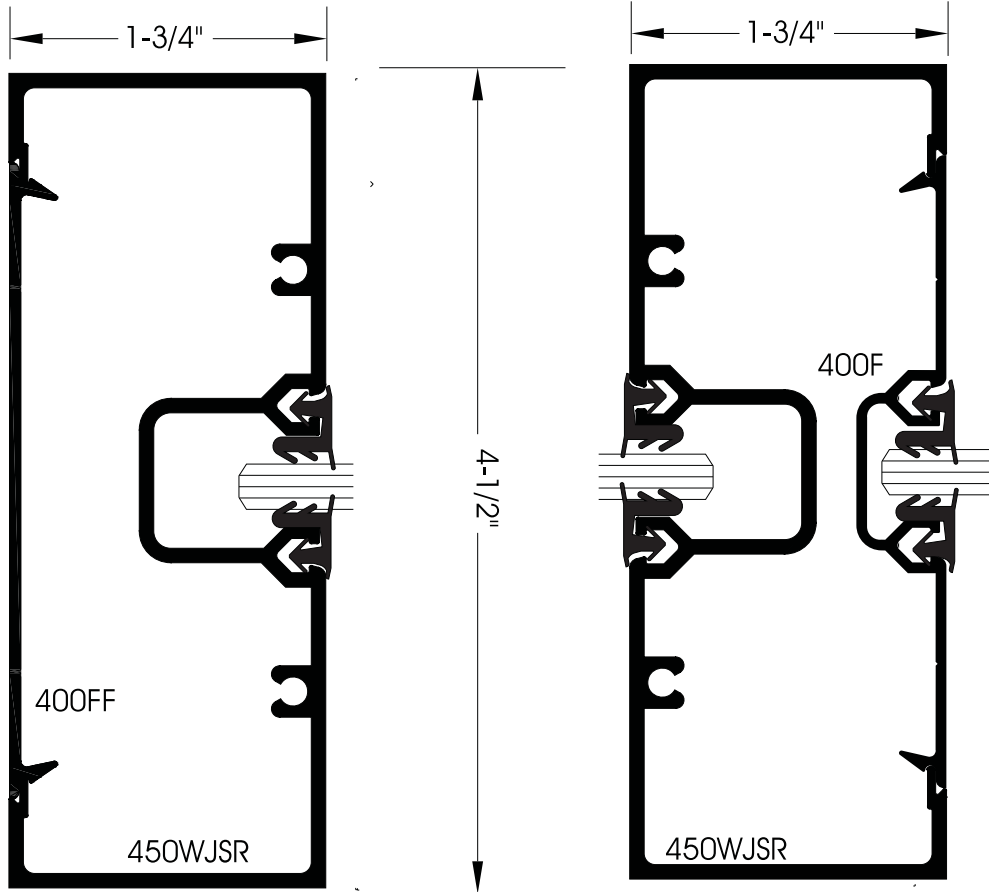


450 SERIES

1 3/4" x 4 1/2"
1/4" CENTER GLAZED

FULL SCALE

155



WALL JAMB (SR)
+ FLAT FILLER

PART NUMBER	450WJSR
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

WALL JAMB (SR)
+ HORIZONTAL FILLER

PART NUMBER	450WJSR
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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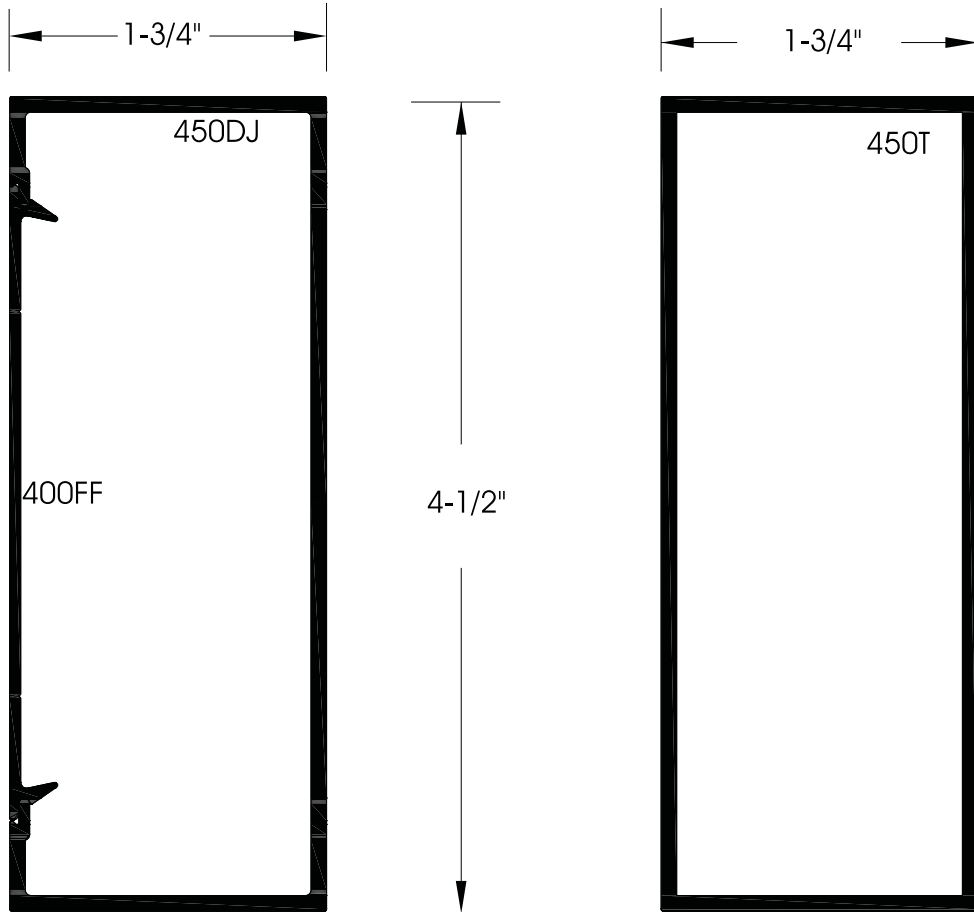
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450 SERIES
 1 3/4" x 4 1/2"
 1/4" CENTER GLAZED
FULL SCALE

156



DOOR JAMB
 + FLAT FILLER

PART NUMBER	450DJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

TUBE

PART NUMBER	450T
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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FX: (877) 274-8800

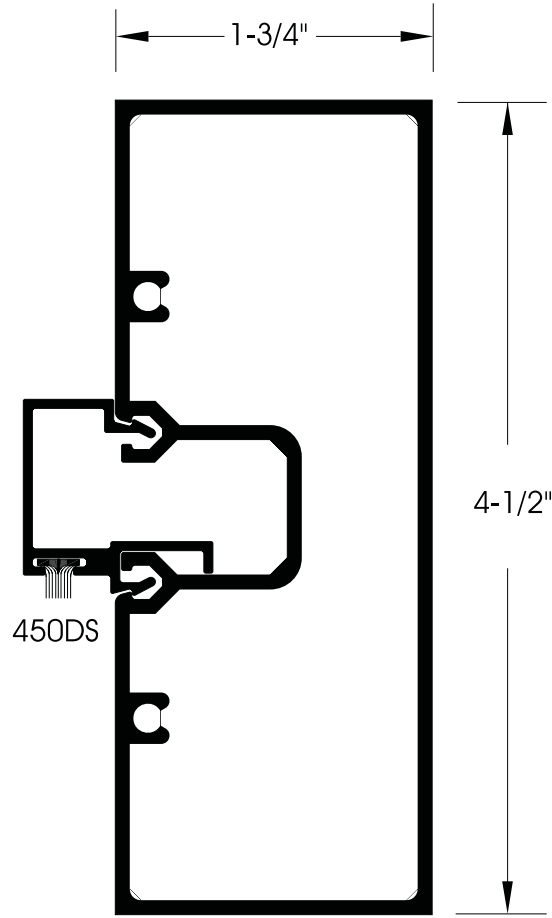
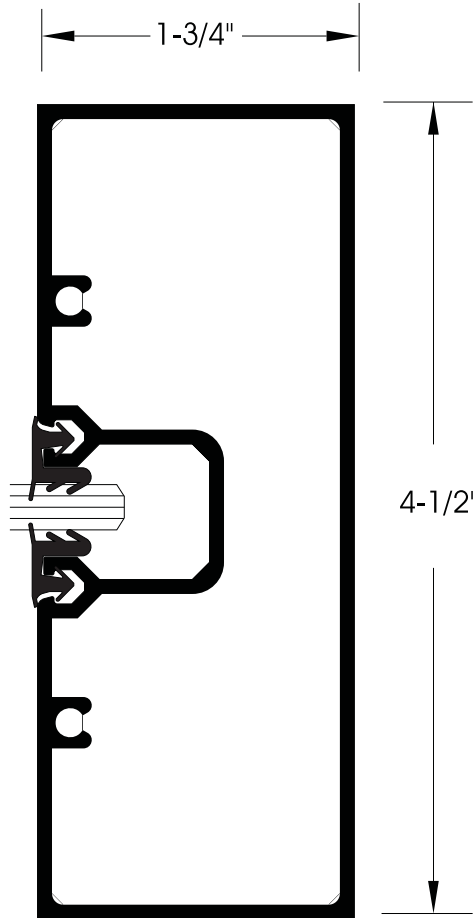
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450 SERIES
 1 3/4" x 4 1/2"
 1/4" CENTER GLAZED
FULL SCALE



157

**SOLID WALL
 JAMB**

PART NUMBER	450SWJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

**SOLID WALL
 JAMB
 + SNAP-IN DOOR STOP**

PART NUMBER	450SWJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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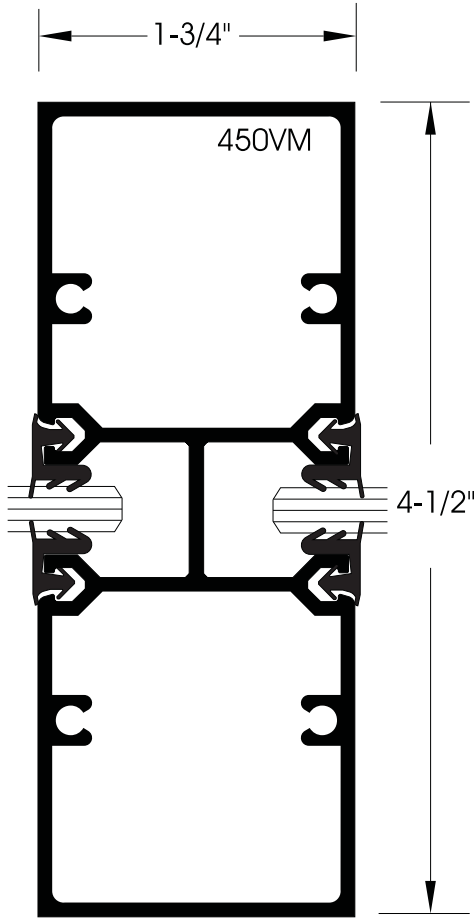
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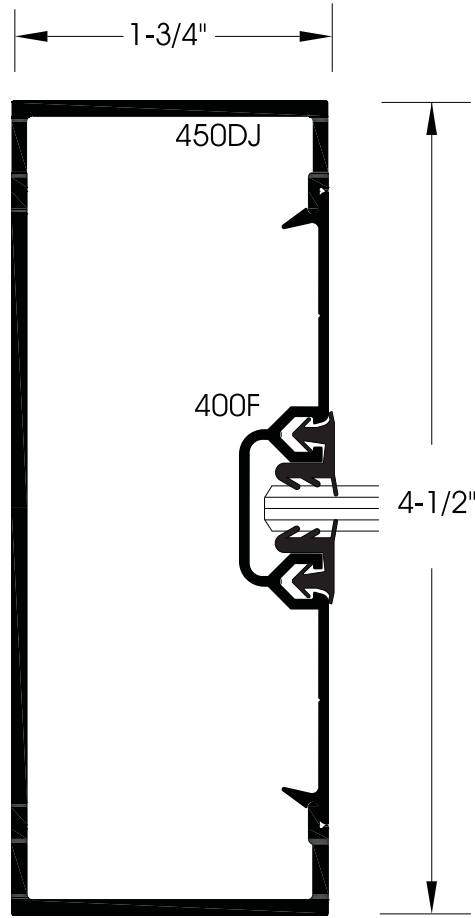
450 SERIES
1 3/4" x 4 1/2"
1/4" CENTER GLAZED
FULL SCALE

158



**VERTICAL
MULLION**

PART NUMBER	450VM
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE



**DOOR JAMB
+ FILLER**

PART NUMBER	450DJ
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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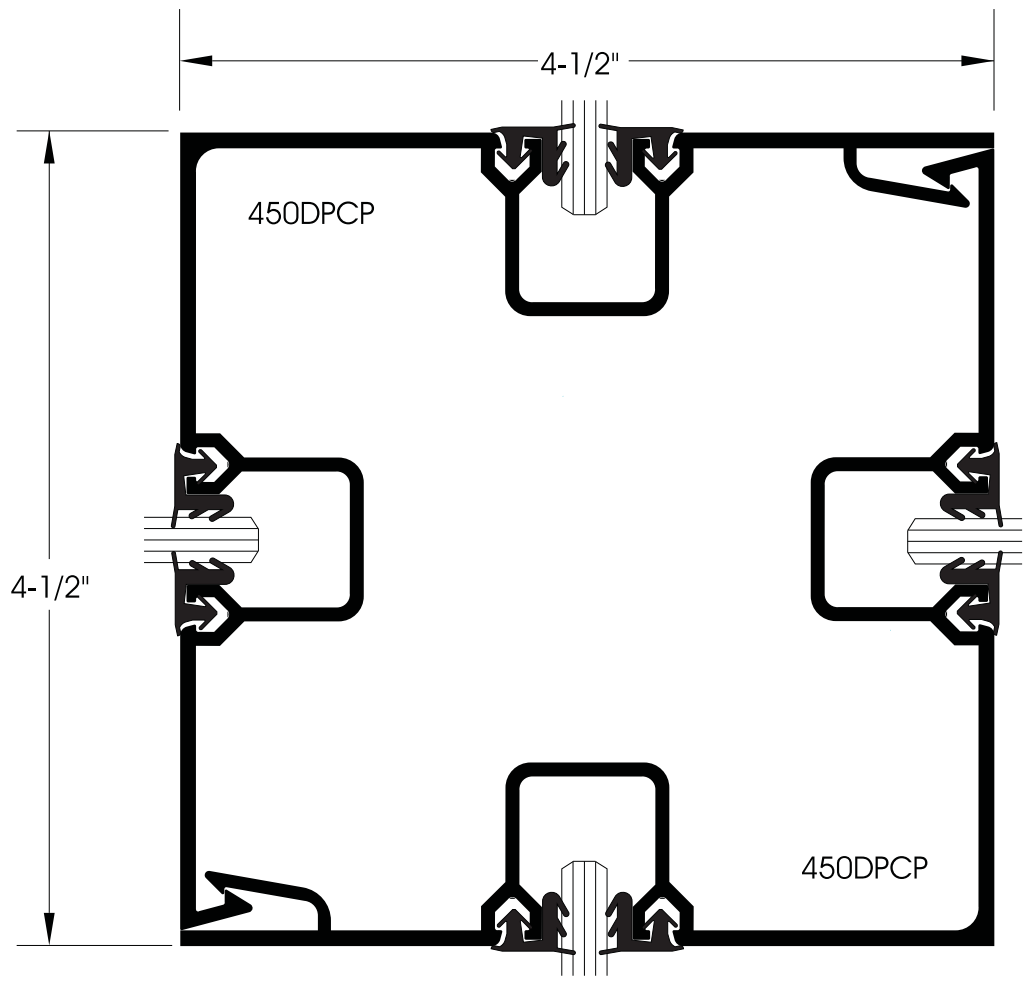
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450 SERIES
1 3/4" x 4 1/2"
1/4" CENTER GLAZED
FULL SCALE

159



**CORNER POST
FOUR POCKET**

PART NUMBER	
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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FX: (877) 274-8800

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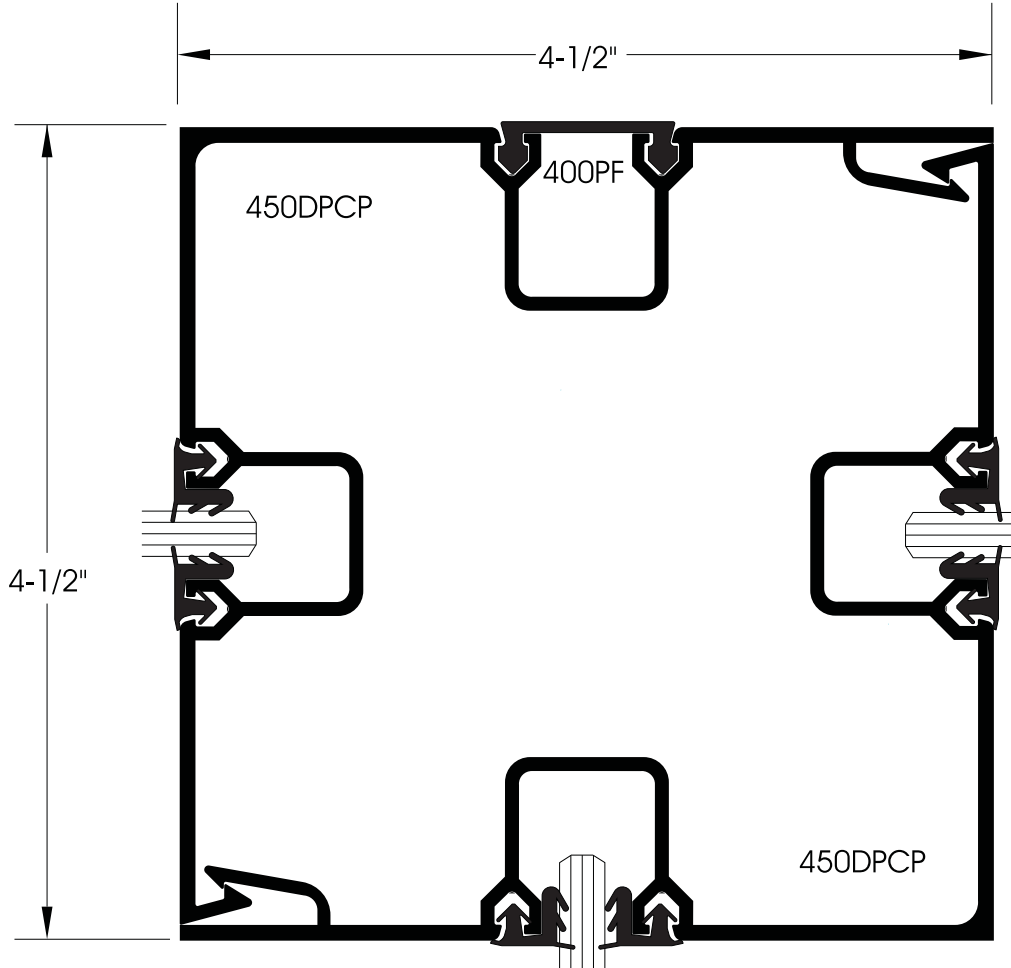
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450 SERIES
1 3/4" x 4 1/2"
1/4" CENTER GLAZED
FULL SCALE

160



**CORNER POST
THREE POCKET**

PART NUMBER	
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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FX: (877) 274-8800

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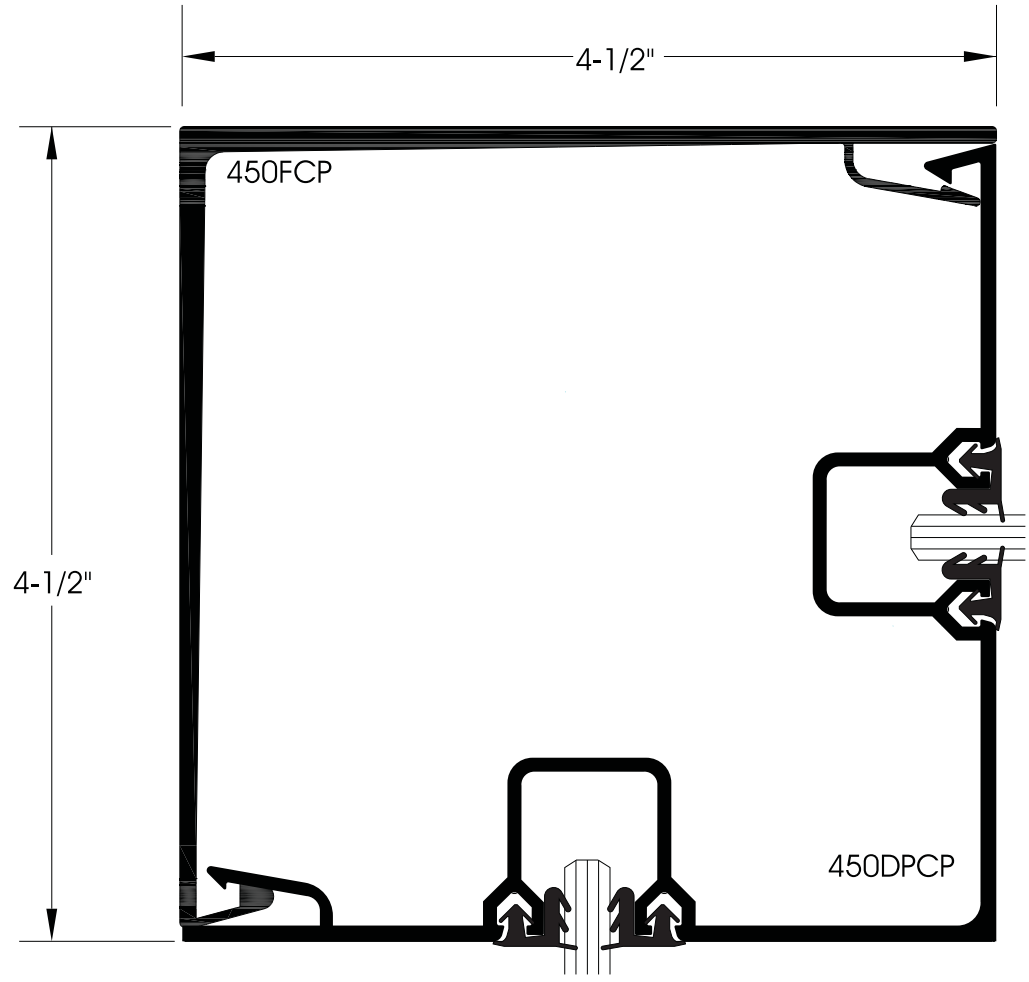
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e-mail: sales@prlaluminum.com





450 SERIES
 1 3/4" x 4 1/2"
 1/4" CENTER GLAZED
FULL SCALE

PRL Aluminum
 ARCHITECTURAL PRODUCTS
 "We have the *fastest* leadtimes in the industry guaranteed!"



161

CORNER POST
 TWO POCKET

PART NUMBER	
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

PH: (877) 775-2586
FX: (877) 274-8800

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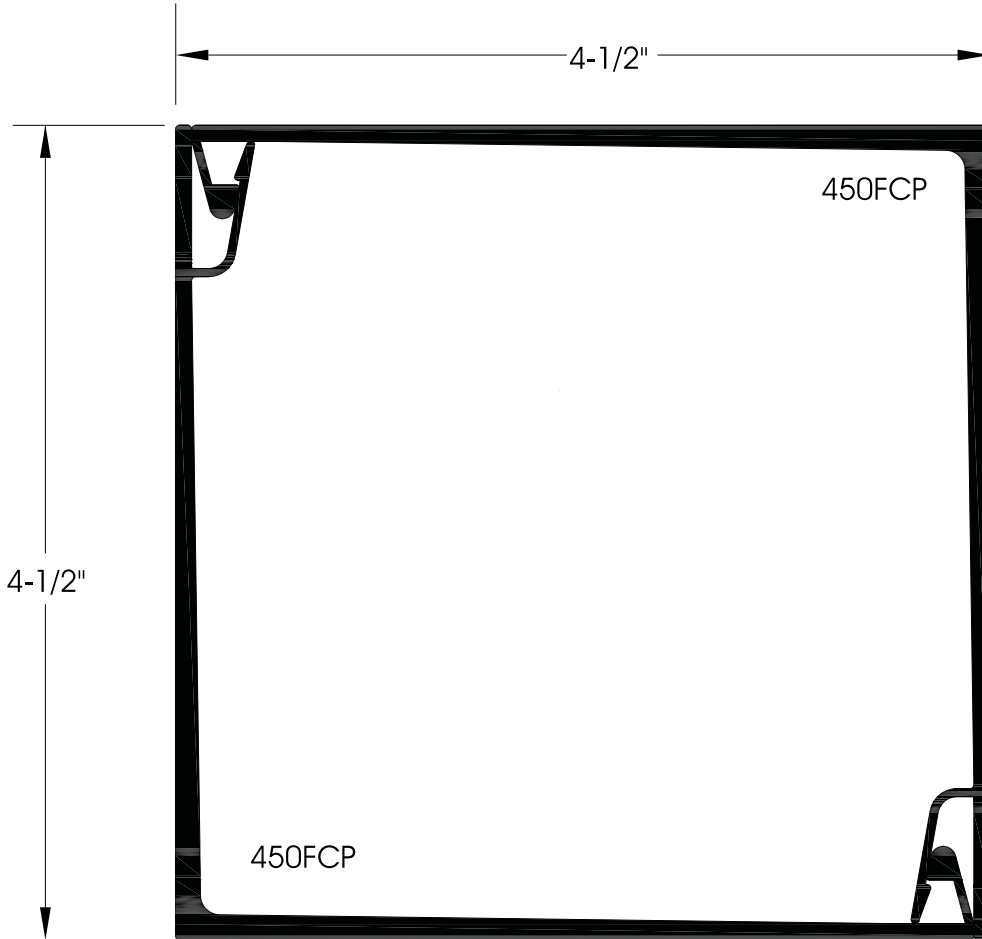
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450 SERIES
1 3/4" x 4 1/2"
1/4" CENTER GLAZED
FULL SCALE

162



CORNER POST

PART NUMBER	
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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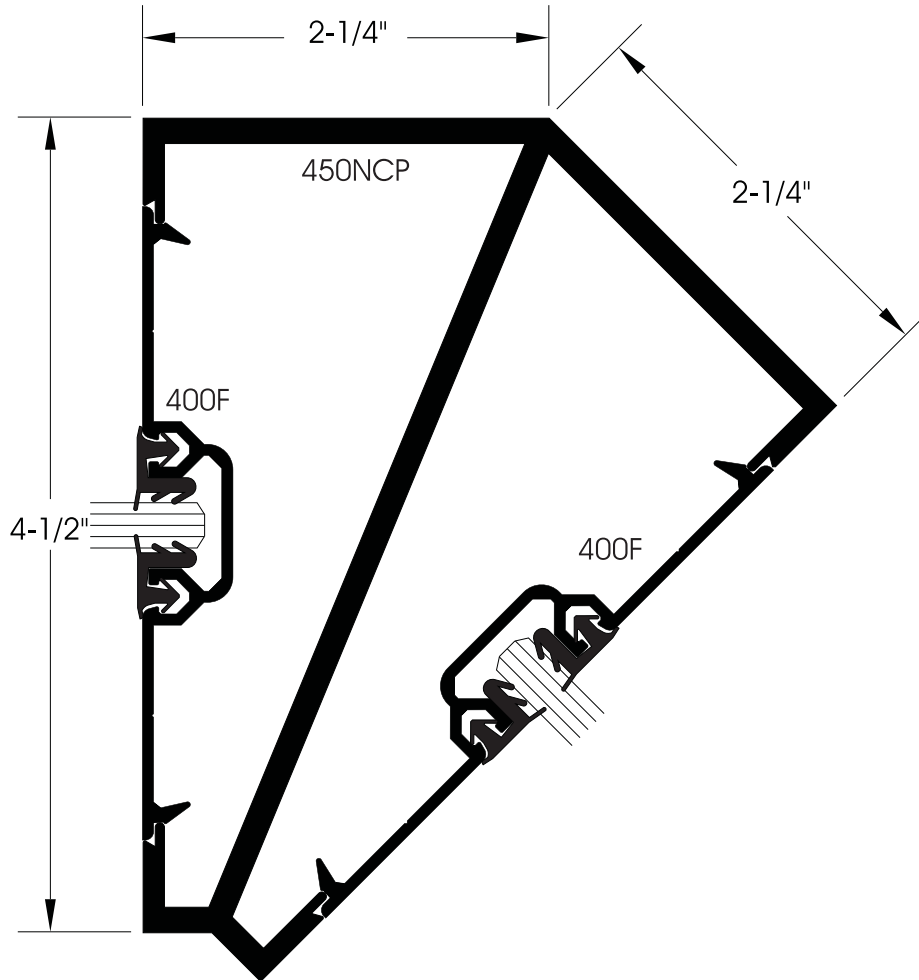
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450 SERIES
1 3/4" x 4 1/2"
1/4" CENTER GLAZED
FULL SCALE

163



135° CORNER POST
+ FILLER

PART NUMBER	450NCP
LENGTH	24'-1"
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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**450 SERIES**1 3/4" x 4 1/2"
1/4" CENTER GLAZED


"We have the *fastest* leadtimes in the industry guaranteed!"

**WINDLOAD
DESIGN****164**

GLAZING FRAMING SHALL BE DESIGNED NOT TO EXCEED L/175, RATIO CURVES REPRESENT LIMIT.

VALUES ARE BASED ON CRITERIA FOR SIMPLE BEAM UNIFORMLY LOADED.

ALLOWABLE STRESSES FOR 6063-T5 ALUMINUM ALLOY = 9500 P.S.I

ALLOWABLE STRESSES FOR A-36 STRUCTURAL STEEL = 21600 P.S.I

1/3 INCREASE FOR WIND LOAD DESIGN IS ALLOWED BASED ON UBC. PROVISIONS

MAX. DEFLECTION BETWEEN SUPPORTS FOR SINGLE SPAN: $\Delta = d = \frac{5WL^3}{384EI}$

MAX. BENDING MOMENT FOR SINGLE SPAN: $M = \frac{WL^2}{8}$

NOTATIONS REPRESENT:

W = FULL UNIFORM LOAD

L = LENGTH OF MULLION BETWEEN SUPPORTS

E = 10×10^6 P.S.I

I = MOMENT OF INERTIA

M = BENDING MOMENT

NOTE:

WINDLOAD CHARTS FOR CORNER MULLIONS ARE BASED ON THE ASSUMPTION THAT THE SPACING ON EACH SIDE OF THE MULLIONS ARE EQUAL.



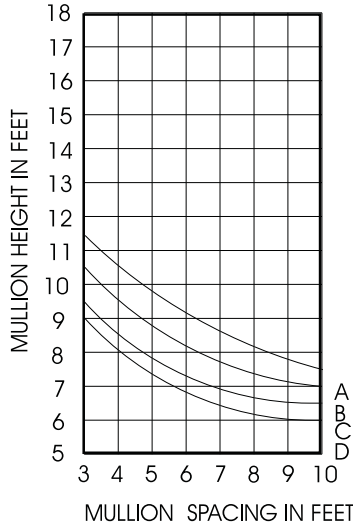


450 SERIES

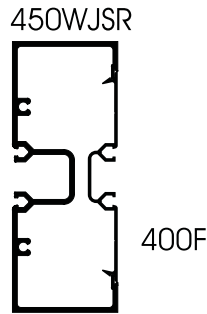
1 3/4" x 4 1/2"
1/4" CENTER GLAZED

WINDLOAD CHARTS

165

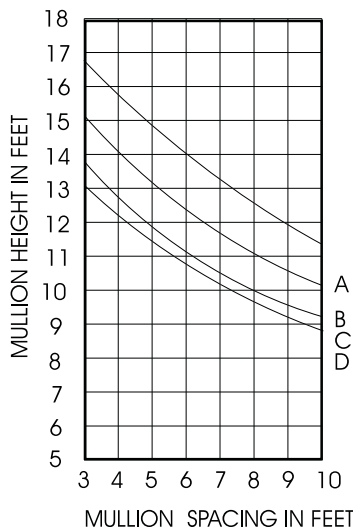


$I_{102} = 1.630$
 $S_{102} = .815$

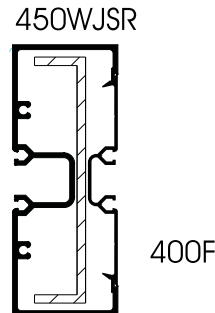


CURVE PRESENTATION

- A = 15 P.S.F. (75M.P.H)
- B = 20 P.S.F. (90 M.P.H)
- C = 25 P.S.F. (100 M.P.H)
- D = 30 P.S.F. (110 M.P.H)



$I_{102/STL} = 4.642$
 $S_{102/STL} = 1.672$



WITH STEEL REINFORCEMENT
3/4" X 4-1/8" 10 GA



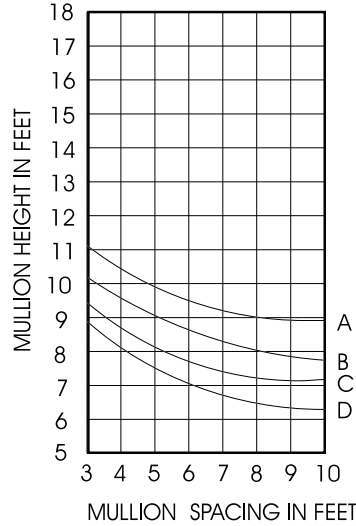


450 SERIES

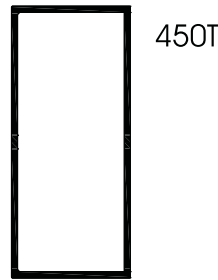
1 3/4" x 4 1/2"
1/4" CENTER GLAZED

WINDLOAD CHARTS

166

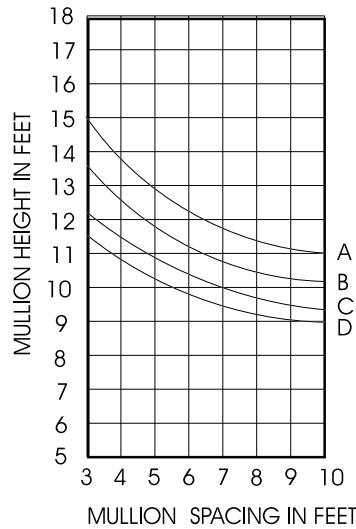


I = 2.040
S = 1.20

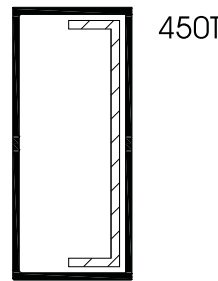


CURVE PRESENTATION

- A = 15 P.S.F. (75M.P.H)
- B = 20 P.S.F. (90 M.P.H)
- C = 25 P.S.F. (100 M.P.H)
- D = 30 P.S.F. (110 M.P.H)



I = 5.052
S = 2.526



WITH STEEL REINFORCEMENT
3/4" X 4-1/8 10GA



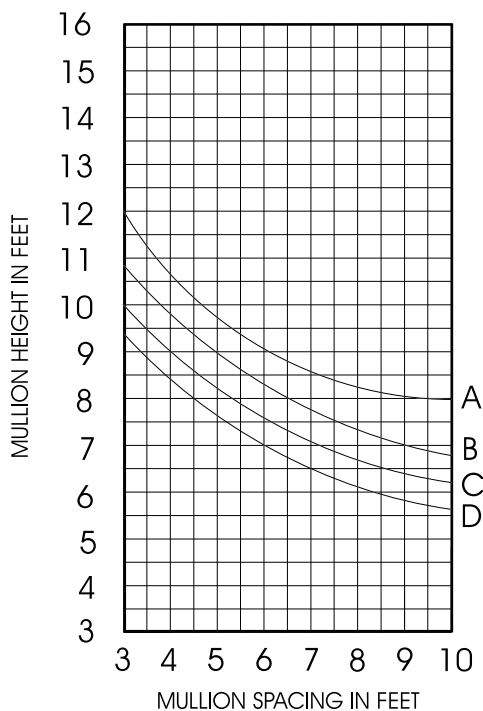


450 SERIES

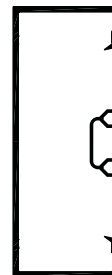
1 3/4" x 4 1/2"
1/4" CENTER GLAZED

WINDLOAD CHARTS

167



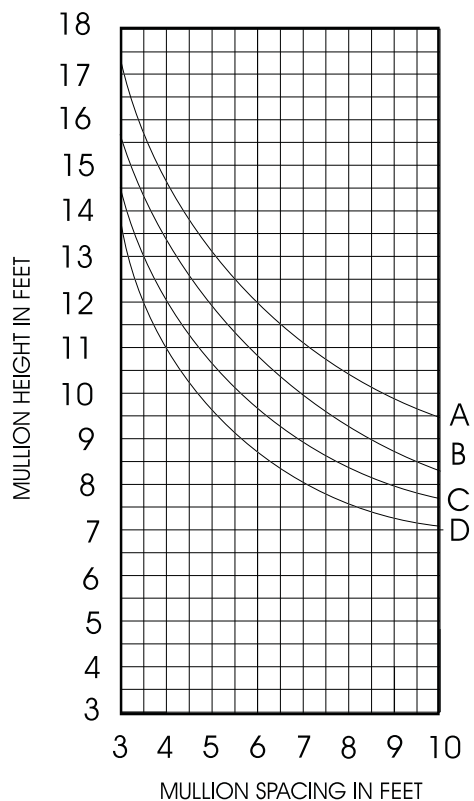
$I = 2.528 \text{ IN}^4$
 $S = 1.124 \text{ IN}^3$



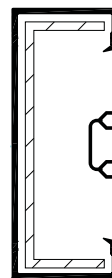
450DJ W/400F

CURVE PRESENTATION

- A = 15 P.S.F. (75M.P.H)
- B = 20 P.S.F. (90 M.P.H)
- C = 25 P.S.F. (100 M.P.H)
- D = 30 P.S.F. (110 M.P.H)



$I = 7.688 \text{ IN}^4$



450DJ W/400F
WITH STEEL REINFORCEMENT
1" X 3-11/16" X 10 GA.



**450 SERIES**1 3/4" x 4 1/2"
1/4" CENTER GLAZED


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DEAD LOAD DESIGN CRITERIA**168**

GLAZING FRAMING SHALL BE DESIGNED FOR L/360 OR 1/8" DEFLECTION WHICHEVER IS LESS, RATIO CURVES REPRESENT LIMIT.

VALUES AND ARE BASED ON CRITERIA FOR SIMPLE BEAM UNIFORMLY LOADED.

ALLOWABLE STRESSES FOR 6063-T5 ALUMINUM ALLOY = 9500 P.S.I.

ALLOWABLE STRESSES FOR A-36 STRUCTURAL STEEL = 21600 P.S.I.

MAXIMUM DEFLECTION BETWEEN SUPPORTS FOR SINGLE SPAN:

$$\triangle = \frac{PA}{24EI} (3L^2 - 4a^2)$$

MAXIMUM BENDING MOMENT FOR SINGLE SPAN:

$$M = Pa$$

NOTATIONS REPRESENT:

P = 1/2" GLASS LOAD

a = 1/4" OR 1/8" POINT OF SPAN (AS SPECIFIED ON CHARTS)

E = 10 X 10⁶ P.S.I.

I = MOMENT OF INERTIA OF THE MULLION

L = LENGTH OF HORIZONTAL SPAN

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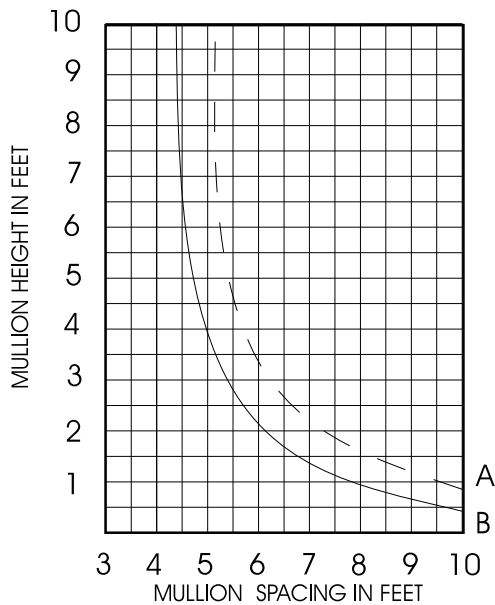


450 SERIES

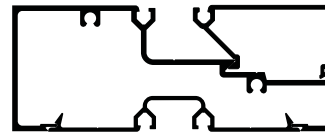
1 3/4" x 4 1/2"
1/4" CENTER GLAZED

DEADLOAD CHARTS

169



$I = .241 \text{ IN}^4$ MAX. ALLOW DEFL. $L/360$ OR $1/8"$
 $S = .250 \text{ IN}^4$ WHICHEVER IS LESS



450HMA

CURVE PRESENTATION

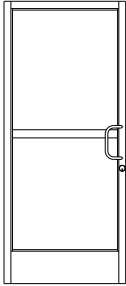
A (---) = 1/8 PTS. OR
 A MINIMUM OF 8" AWAY
 FROM THE EDGE OF THE GLASS

B (—) = 1/8 PTS. OR
 A MINIMUM OF 8" AWAY
 FROM THE EDGE OF THE GLASS



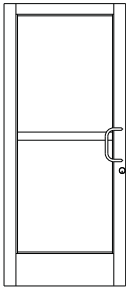
ENTRANCE DOORS

170



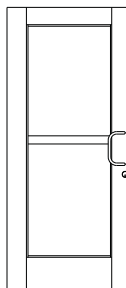
Narrow stile

Narrow stile Center pivot single acting, Offset pivot single acting, Butt hinge single acting. An industry standard in style and performance. Narrow stiles and rails provide narrow sight lines yet receives most standard hardware designs. Strong reinforced corner construction permits use in heavy traffic areas of commercial applications.



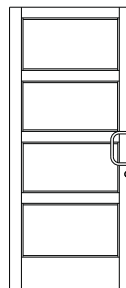
Medium stile

Medium stile Center pivot double acting, Offset pivot single acting, Butt hinge single acting. A top performance door with a medium stile that accommodates standard and custom hardware and panic devices for commercial and institutional applications. Strong reinforced corner construction increases size limitation to a 4'-0" door width 9'0" maximum door height.



Wide stile

Wide stile Center pivot double acting, Offset pivot single acting, Butt hinge single acting. A monumental type door with strength and stability for heavy use. The wide stiles will accommodate most all standard and unusual hardware designs and operation requirements. Size limitations are 4'-0" door width and 9'0" maximum door height.



Custom Doors

Offer style and performance with unlimited adaptability to specific design requirements with combinations of stiles, top/bottom rails and intermediate vertical/horizontal muntins, will receive most standard pivot/hinges, lock and security hardware. Strong reinforced corner construction permits its use on a wide variety of applications. Some limitations apply please consult PRL Aluminum for details



ENTRANCE DOORS

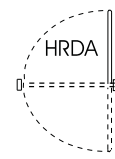
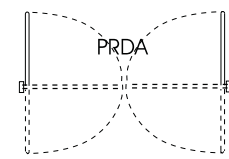
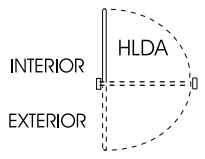
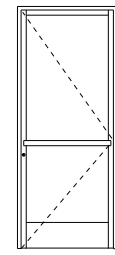
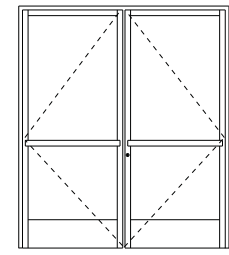
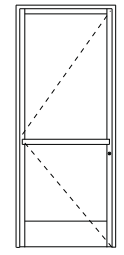
OPERATION CONFIGURATIONS

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CENTER HUNG

Standard doors hardware includes std lock/cylinder on single doors and pairs active leaf, header/threshold bolt for pairs inactive leaf with push bars BTB.

All doors are prepared to receive side load arm for concealed closers (pivots are not included).



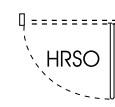
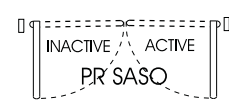
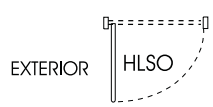
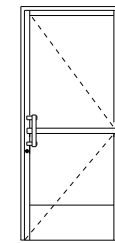
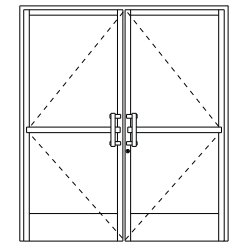
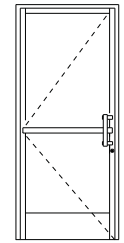
HINGED LEFT DOUBLE ACTING

PAIR OF DOUBLE ACTING

HINGED RIGHT DOUBLE ACTING

171

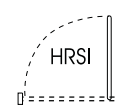
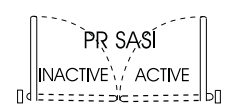
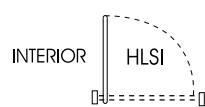
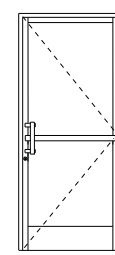
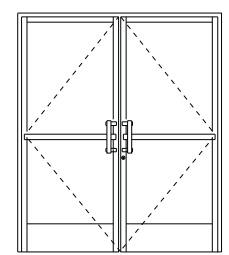
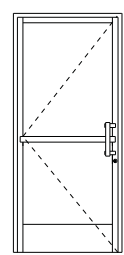
OFFSET HUNG



HINGED LEFT SWING OUT

PAIR OF SINGLE ACTING SWING IN

HINGED RIGHT SWING OUT



HINGED LEFT SWING IN

PAIR OF SINGLE ACTING SWING OUT

HINGED RIGHT SWING IN

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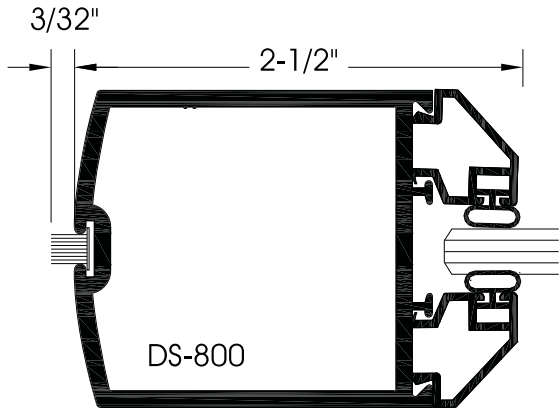




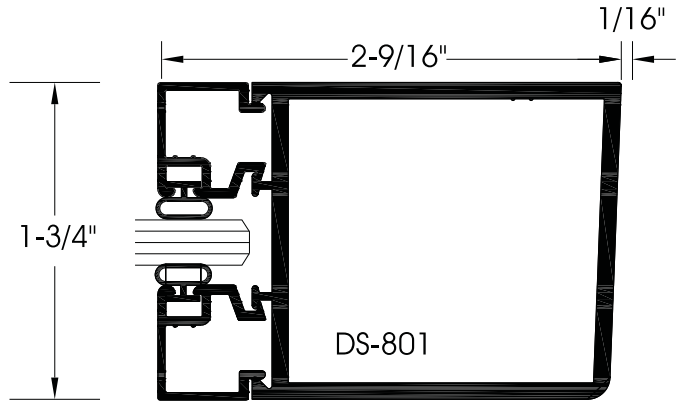
ENTRANCE DOORS
1/4"-1" GLASS STOP
FULL SCALE

NARROW STYLE
2" VERTICAL STILE

172



CENTER HUNG DOOR
1/4" BEVEL GLASS STOP



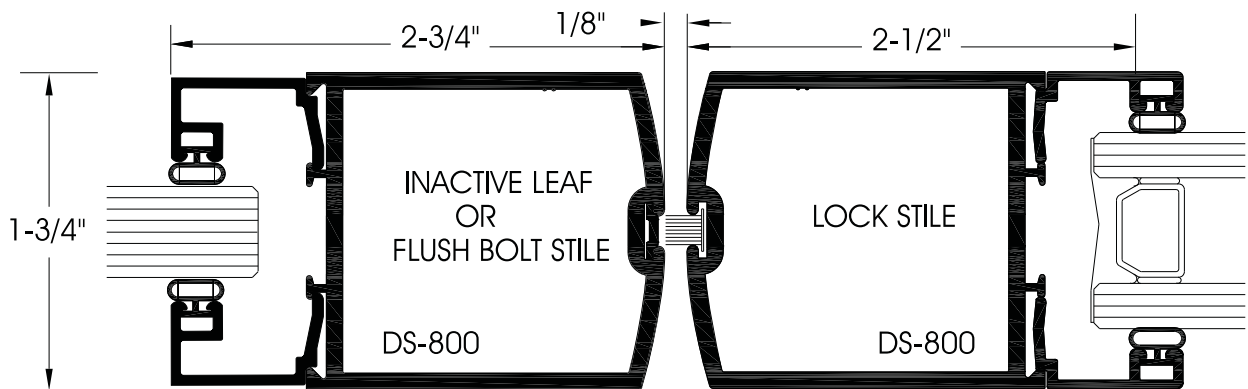
DRGS-14

OFFSET HUNG DOOR
1/4" SQUARE GLASS STOP



INACTIVE

ACTIVE



CENTER HUNG DOORS
1/2" GLASS STOP

CENTER HUNG DOORS
1" GLASS STOP



INACTIVE

ACTIVE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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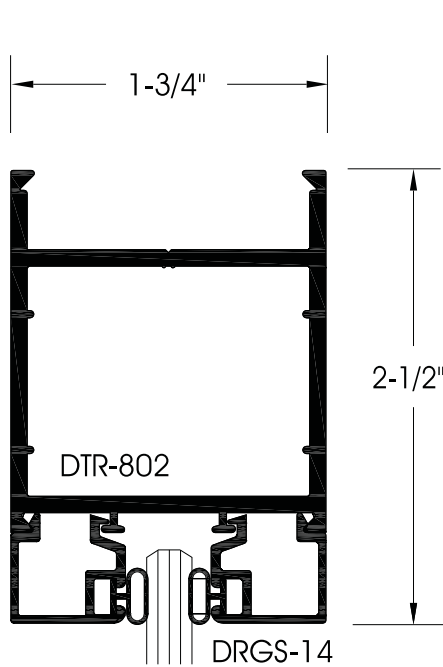
ENTRANCE DOORS

1/2"-1" GLASS STOP

FULL SCALE

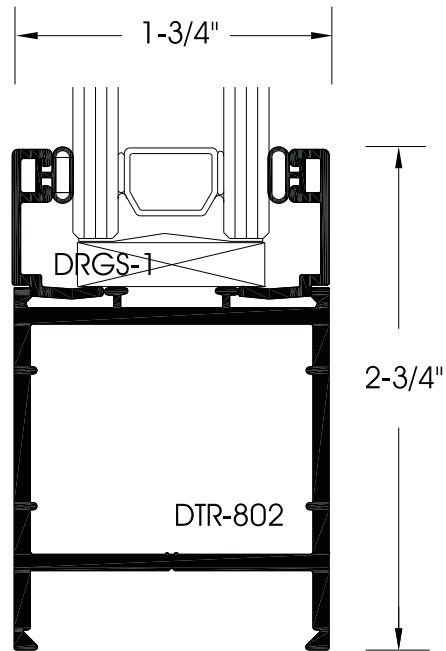
NARROW STYLE

2" RAIL



TOP/BOTTOM
DOOR RAIL
1/4" GLASS STOP

FINISHES	MILL
	CLEAR
	BRONZE



TOP/BOTTOM
DOOR RAIL
1" GLASS STOP

FINISHES	MILL
	CLEAR
	BRONZE

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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ENTRANCE DOORS

1/4"-1" GLASS STOP

FULL SCALE

MEDIUM STYLE

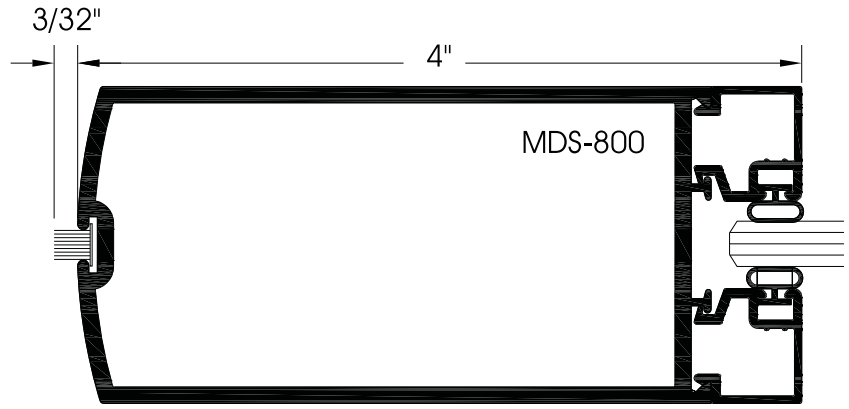
3 1/2" VERTICAL STILE

FINISHES

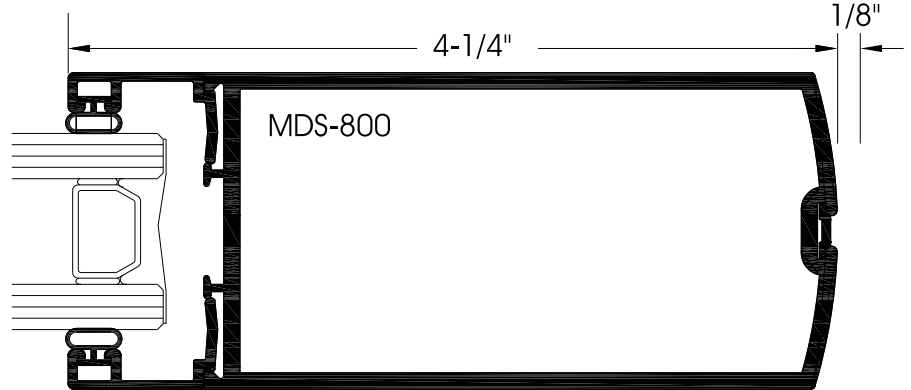
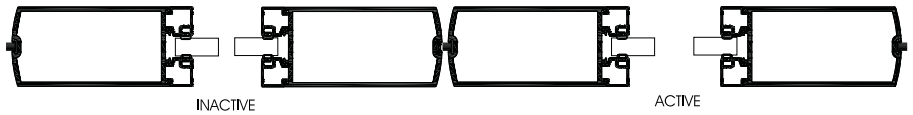
MILL
CLEAR
BRONZE

174

**CENTER HUNG
DOOR STILE**
1/4" GLASS STOP

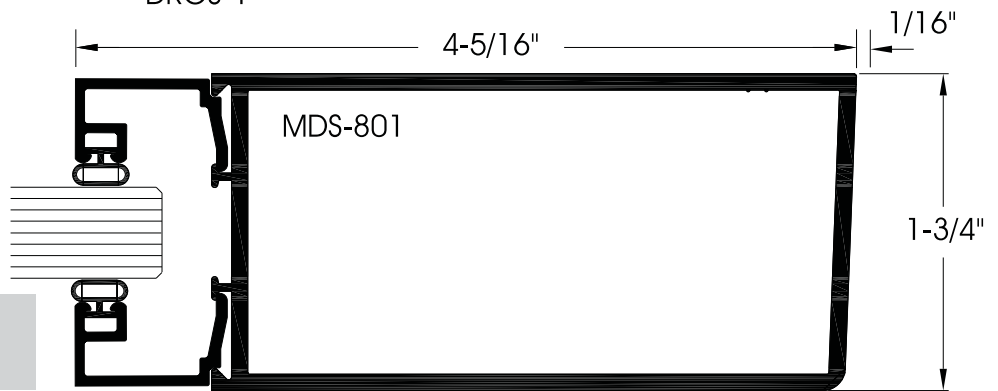


DRGS-14



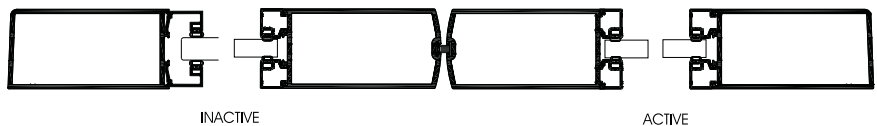
DRGS-1

**INACTIVE LEAF
DOOR STILE**
1" GLASS STOP



DRGS-12

**OFFSET HUNG
DOOR STILE**
1/4" GLASS STOP



MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

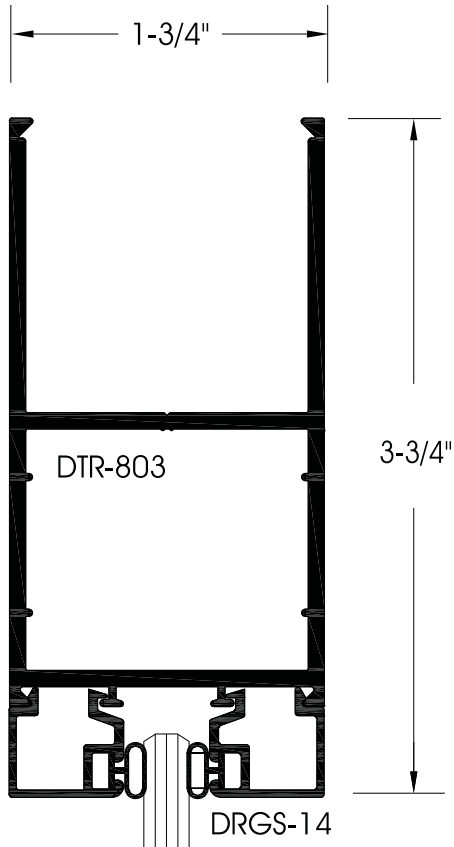
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details



ENTRANCE DOORS
 1/4"-1" GLASS STOP
FULL SCALE
MEDIUM STYLE
 3 1/4" RAIL



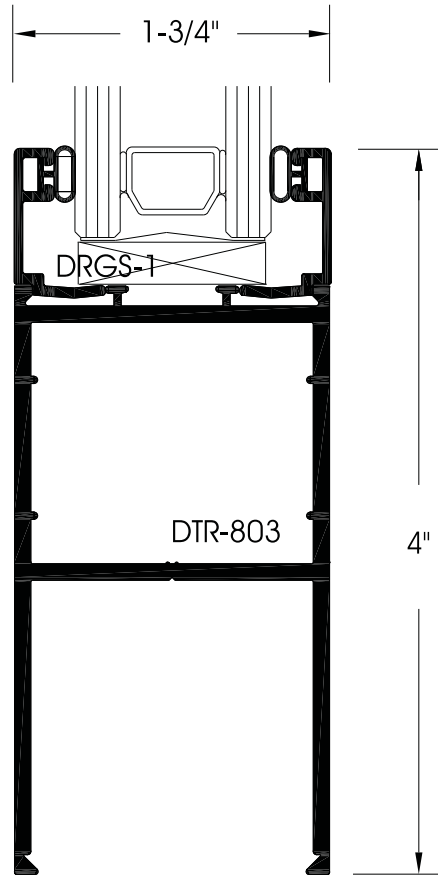
175



**TOP/BOTTOM
 DOOR RAIL**
 1/4" GLASS STOP

FINISHES

MILL
CLEAR
BRONZE



**TOP/BOTTOM
 DOOR RAIL**
 1" GLASS STOP

FINISHES

MILL
CLEAR
BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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ENTRANCE DOORS

1/4"-1" GLASS STOP

FULL SCALE

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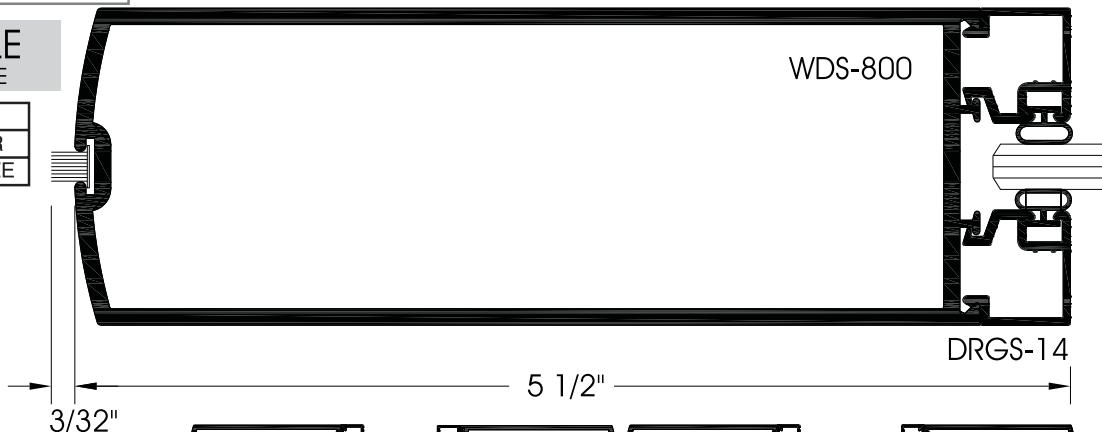
WIDE STYLE

5" VERTICAL STILE

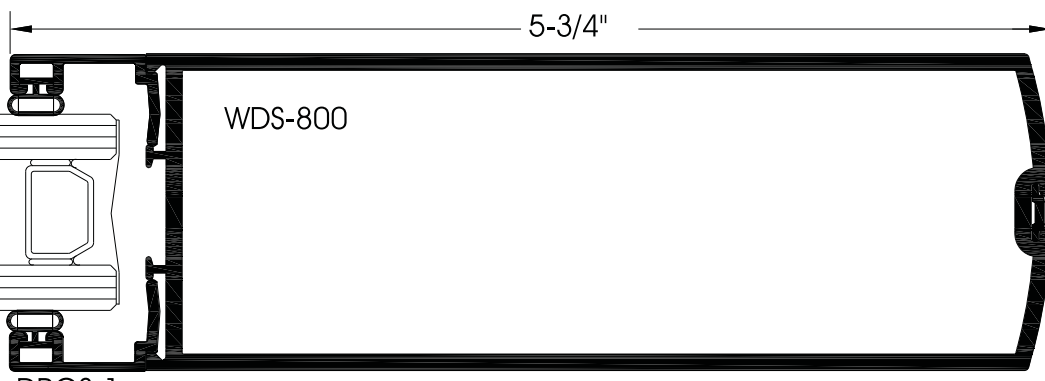
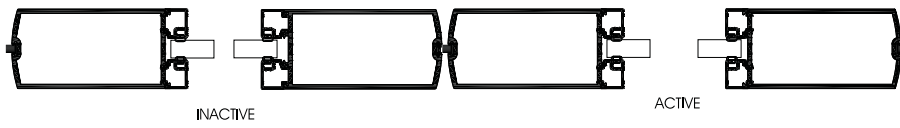
FINISHES

MILL
CLEAR
BRONZE

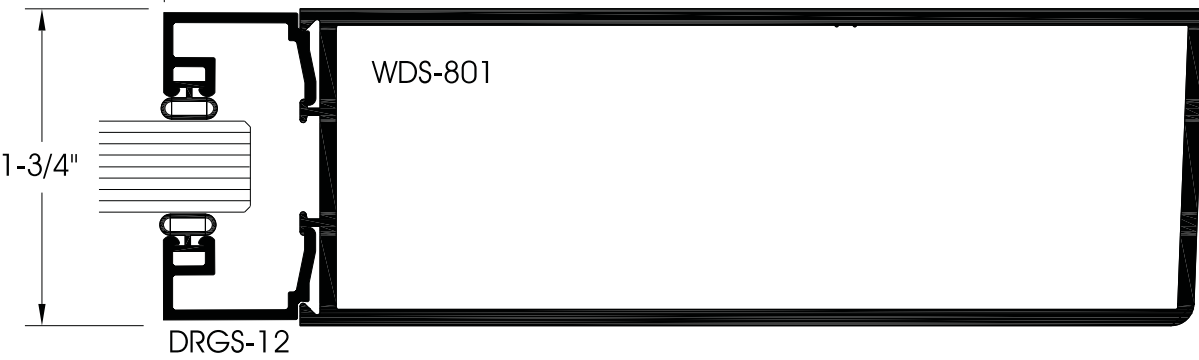
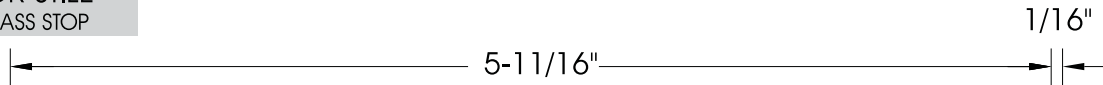
176



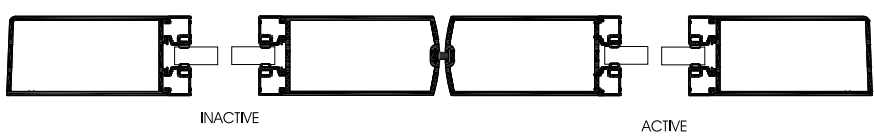
CENTER HUNG DOOR STILE
1/4" GLASS STOP



INACTIVE LEAF DOOR STILE
1" GLASS STOP



OFFSET HUNG DOOR STILE
1/2" GLASS STOP



MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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ENTRANCE DOORS

1/4"-1" GLASS STOP

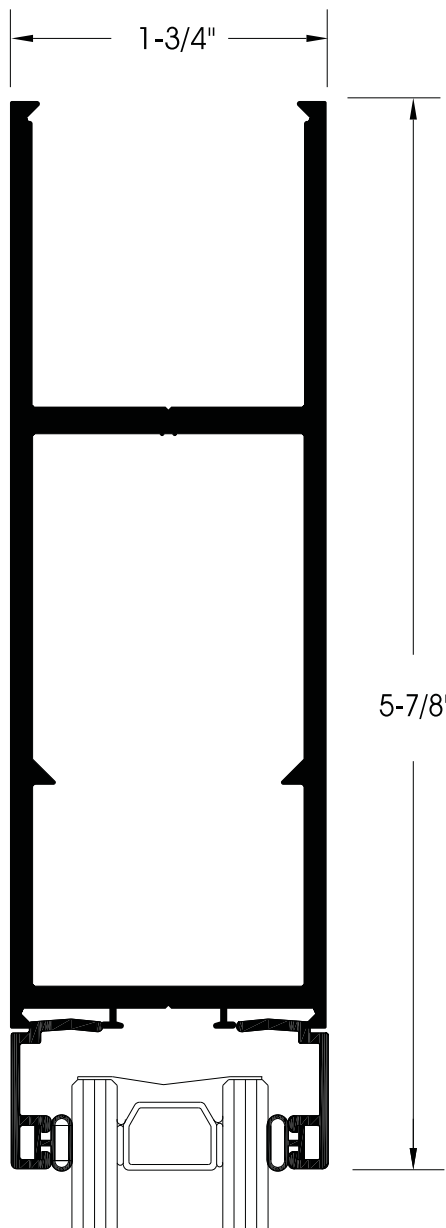
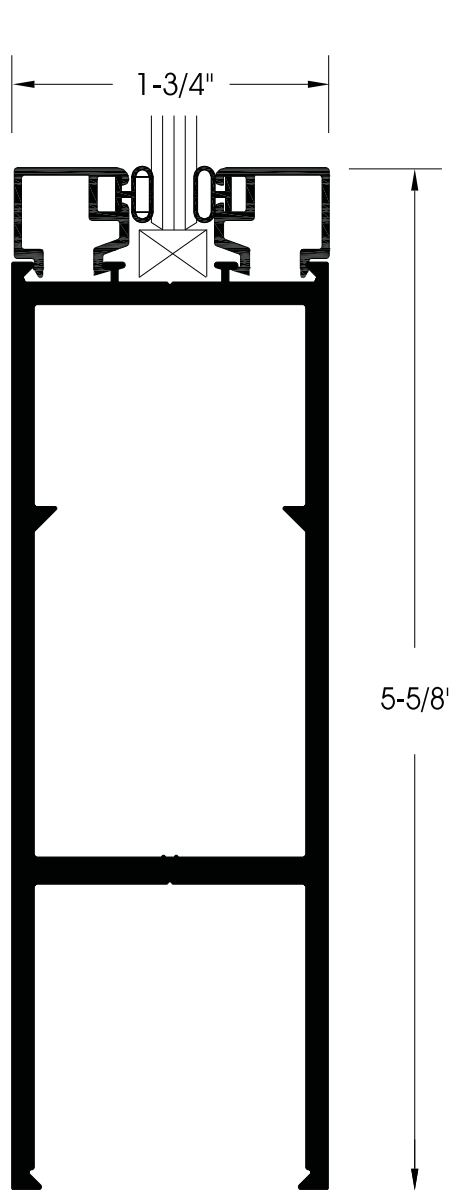
FULL SCALE

WIDE STYLE

5 1/8" RAIL

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177



TOP/BOTTOM
DOOR RAIL
1/4" GLASS STOP

FINISHES

MILL
CLEAR
BRONZE

TOP/BOTTOM
DOOR RAIL
1" GLASS STOP

FINISHES

MILL
CLEAR
BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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ENTRANCE DOORS

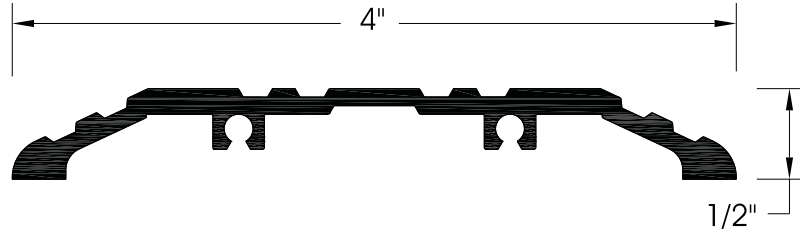
FULL SCALE

THRESHOLDS

4" THRESHOLD

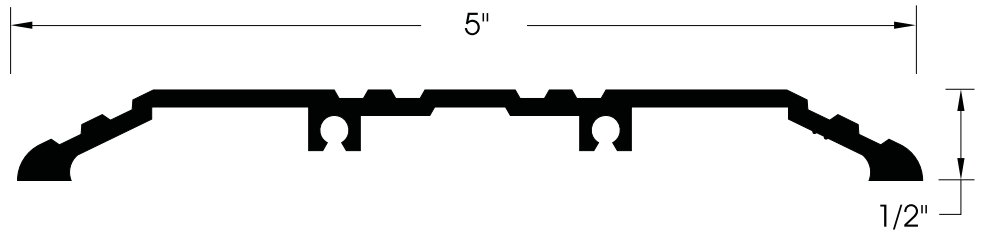
178

PART NUMBER	THR412
LENGHT	
FINISHES	MILL
	CLEAR
	BRONZE



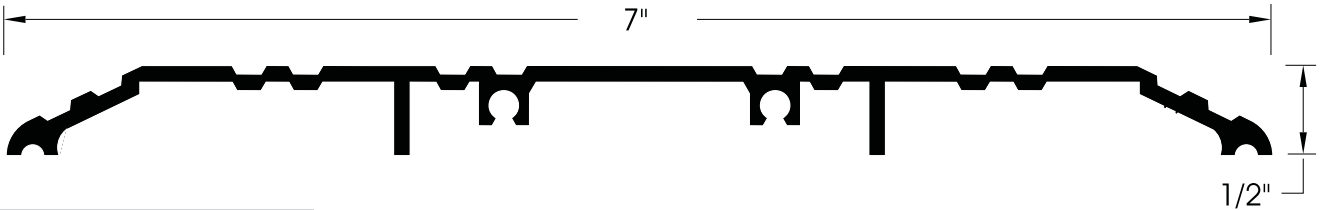
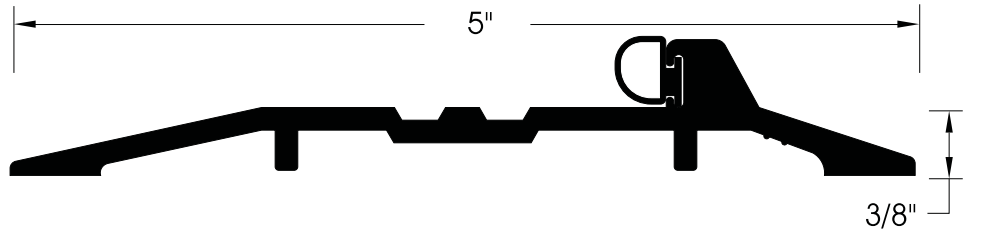
5" THRESHOLD

PART NUMBER	THR512
LENGHT	
FINISHES	MILL
	CLEAR
	BRONZE



5" THRESHOLD

PART NUMBER	THR512OF
LENGHT	
FINISHES	MILL
	CLEAR
	BRONZE



7" THRESHOLD

PART NUMBER	THR712
LENGHT	
FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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e-mail:sales@prlaluminum.com





ENTRANCE DOORS

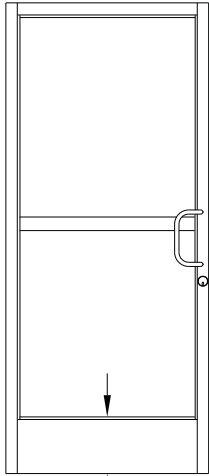
1/4"-1" GLASS STOP

FULL SCALE

10" BOTTOM RAIL

PART NUMBER	DBR10
LENGTH	
FINISHES	MILL CLEAR BRONZE

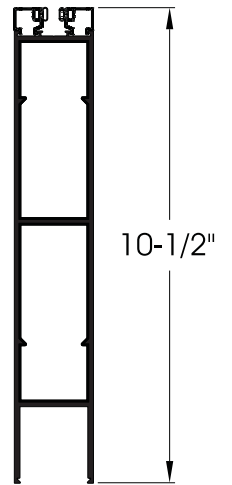
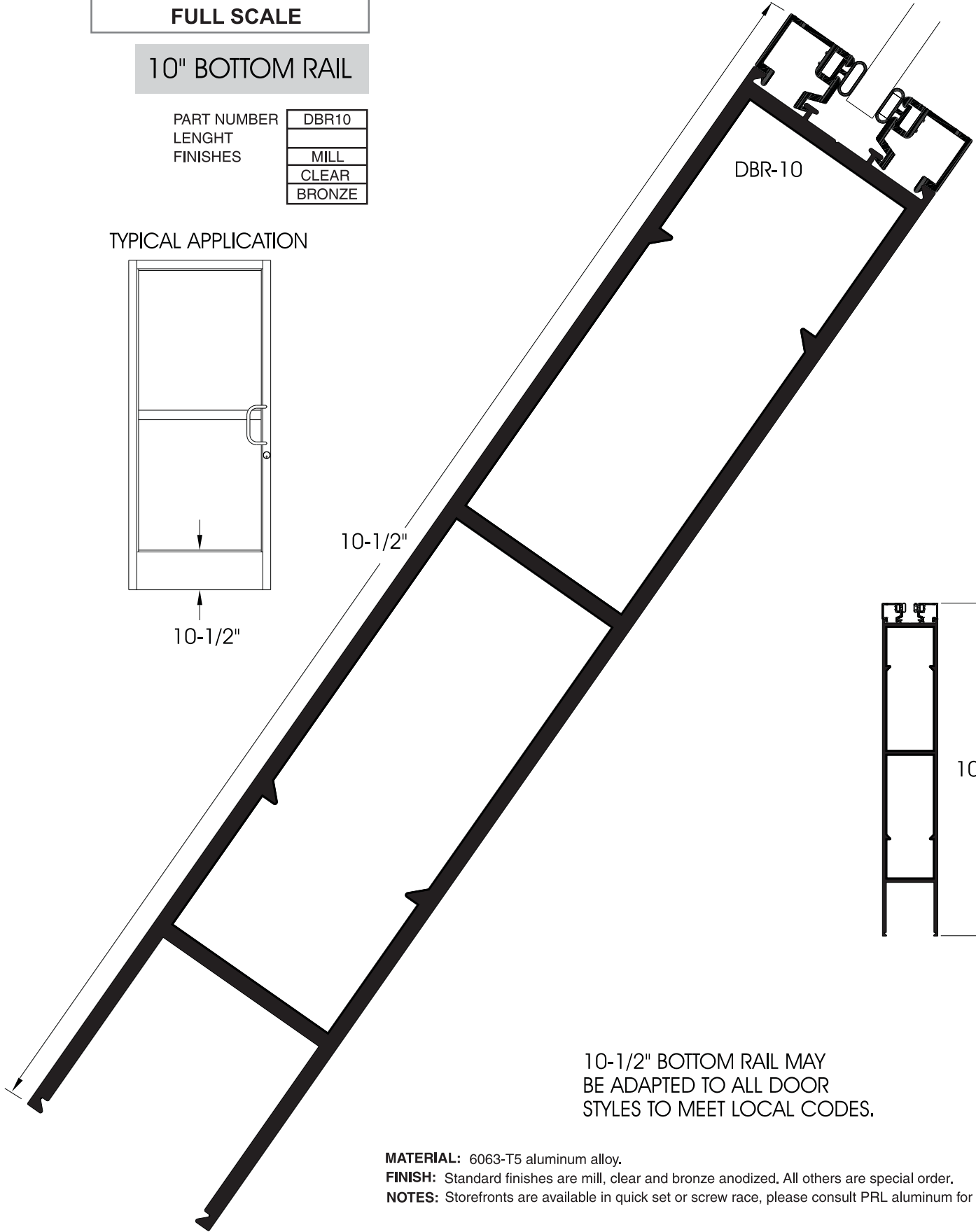
TYPICAL APPLICATION



10-1/2"

10-1/2"

179



10-1/2" BOTTOM RAIL MAY
 BE ADAPTED TO ALL DOOR
 STYLES TO MEET LOCAL CODES.

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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ENTRANCE DOORS

1/4"-1" GLASS STOP

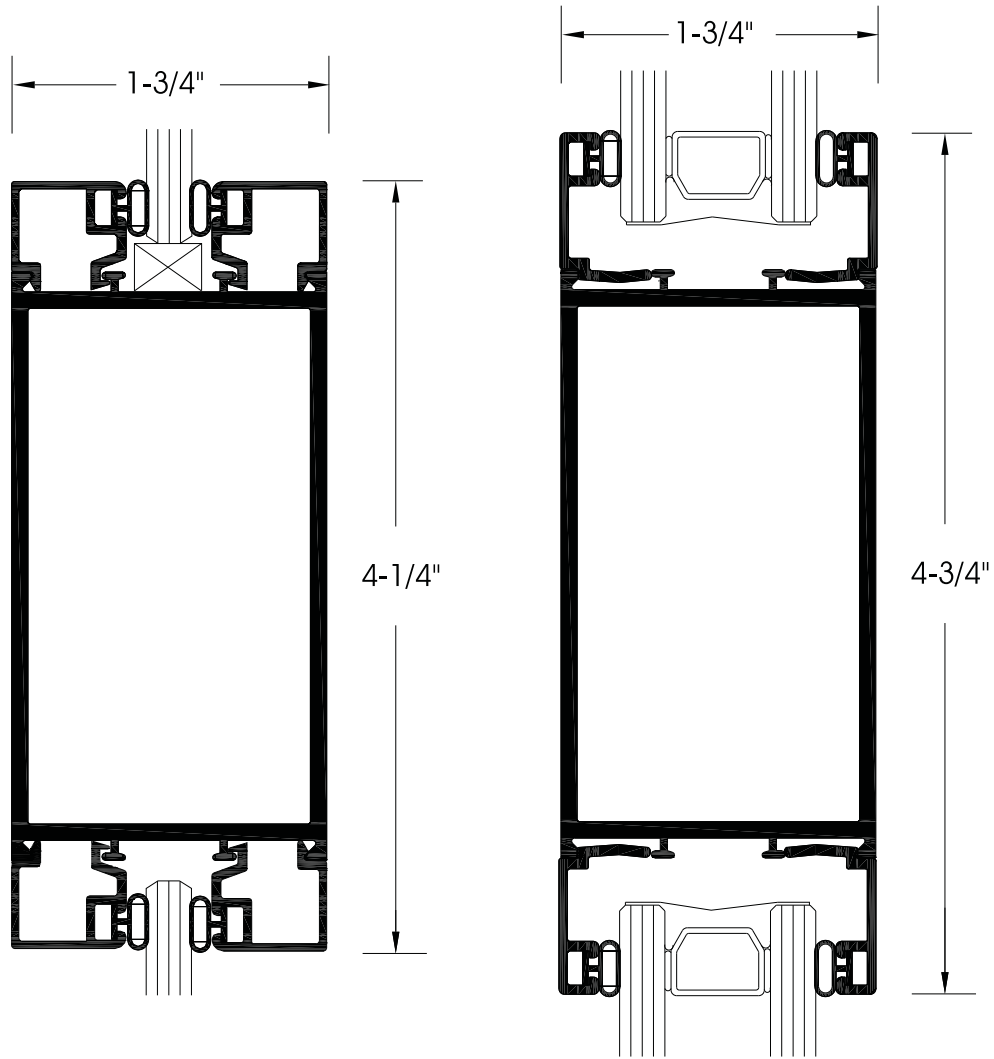
FULL SCALE

HORIZONTAL MUNTIN

3 1/4" MUNTIN



180



HORIZONTAL DOOR MUNTIN
1/4" GLASS STOP

FINISHES	MILL
	CLEAR
	BRONZE

HORIZONTAL DOOR MUNTIN
1" GLASS STOP

FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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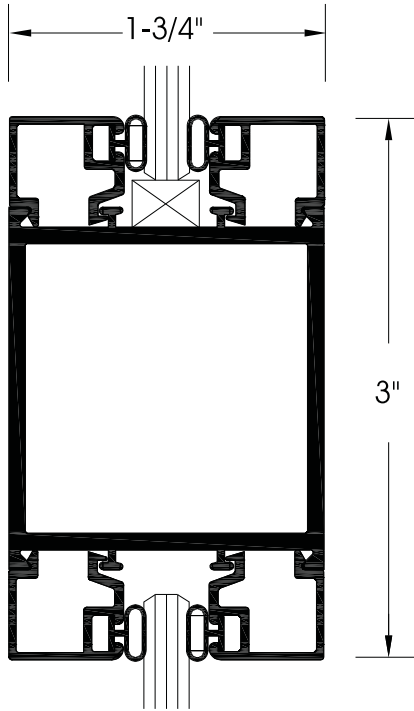
ENTRANCE DOORS

1/4"-1" GLASS STOP

FULL SCALE

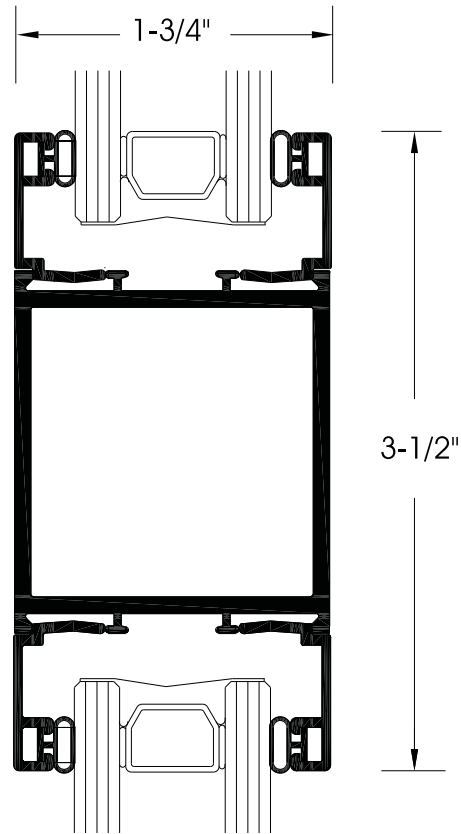
HORIZONTAL MUNTIN

2" MUNTIN



**HORIZONTAL
DOOR MUNTIN**
1/4" GLASS STOP

FINISHES	MILL
	CLEAR
	BRONZE



**HORIZONTAL
DOOR MUNTIN**
1" GLASS STOP

FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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ENTRANCE DOORS

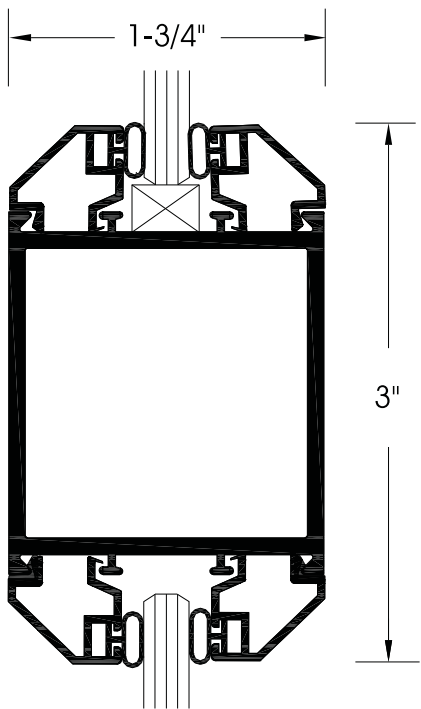
1/4"-1" GLASS STOP

FULL SCALE



"We have the *fastest* leadtimes in the industry guaranteed!"

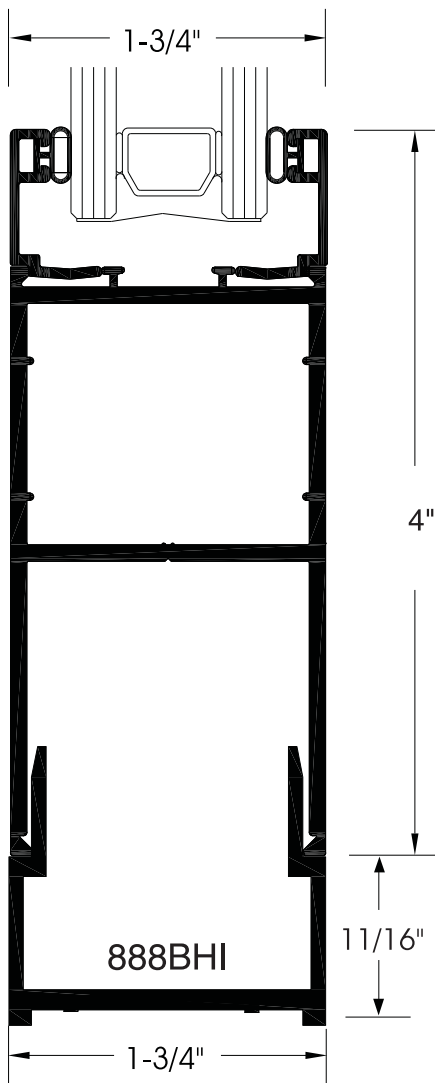
182



**HORIZONTAL
DOOR MUNTIN**
+ 1/4" BEVEL GLASS STOP

FINISHES

MILL
CLEAR
BRONZE



DOOR RAIL
+ BULK HEAD INSERT

FINISHES

MILL
CLEAR
BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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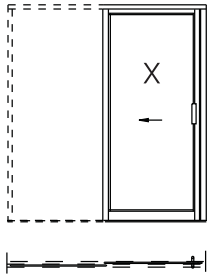


SLIDING DOORS

PRL Aluminum
ARCHITECTURAL PRODUCTS
"We have the *fastest* leadtimes in the industry guaranteed!"

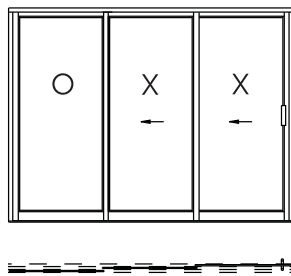
PRL SL Series is a sliding door system designed as a versatile framed stacking system with a head/sill track, vertical jambs that allows unlimited adaptability with basic single pocket to multi slider configurations for areas where valuable space is critical.

183



Pocket System

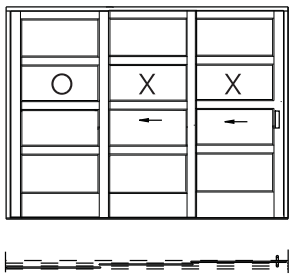
Pocket system is the SL-series basic configuration. as a one way slider, requires design professionals to consider wall space requirements on pocket applications or the use of an optional custom offset surface mount bracket system for interior applications.



Wall System

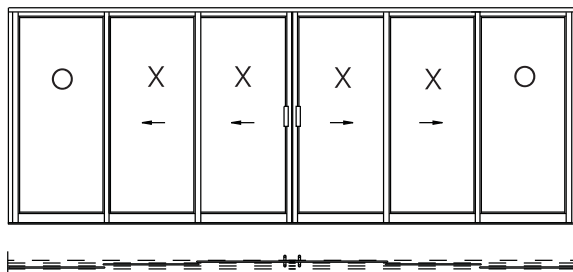
This is the intermediate one way inset surface mount frame configuration that maximizes space on light duty traffic areas .

In addition to the standard SL features it offers a one piece vertical single weather stripped interlock system that reduces slide open efforts on multiple panels at one time.



Custom System

Custom doors will add unlimited design advantages on metal, glass and hardware options. Other optional choices range from custom glass to exotic metal finishes. Stronger reinforced construction permits increasing door heights. Please be advised there is some limitations, please consult PRL Aluminum for details



Multi Track System

Multi-Track maximizes the features of the stacking SL concept as two way, multiple track/panel system with unlimited applications.

Offers both standard and special features from basic configurations.

Features/Hardware

Bottom adjustable tandem rollers system will ease the open/close sliding efforts. Combination of weather stripped vertical stiles/head track and sill track minimizes the weather effects on exterior applications.

SL series standard hardware are flush handles, hooklock and cylinders. Other types of hardware are offered as options such as flush lockset or custom pulls

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SLIDING DOORS
1/4"-1" GLASS STOP
FULL SCALE

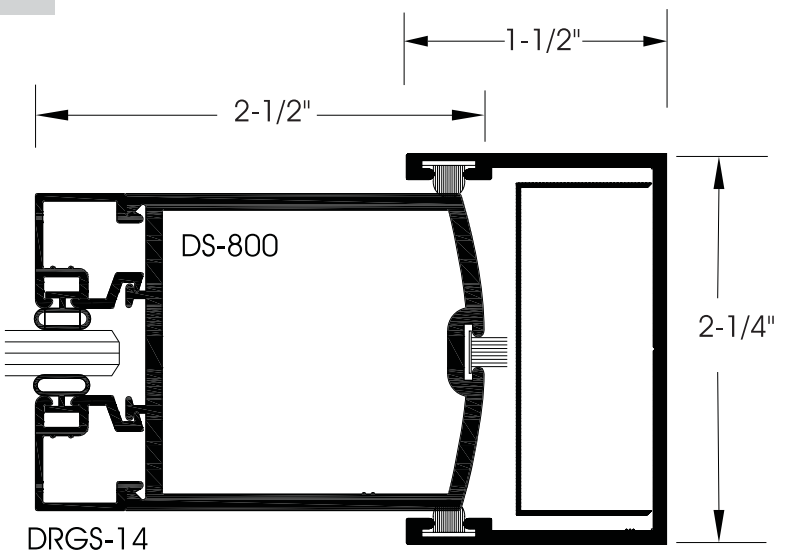
SL-NARROW STYLE
2" VERTICAL STILE

184

SL-RADIUS STYLE
1/4" GLASS STOP

FINISHES

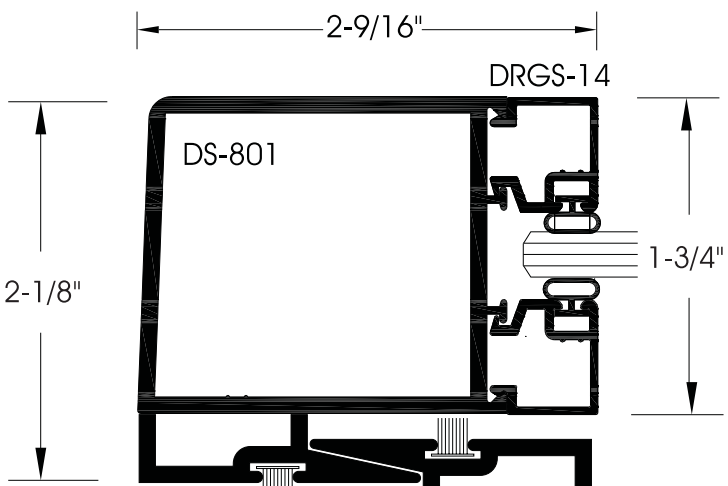
MILL
CLEAR
BRONZE



SL-OFFSET STYLE
1/4" GLASS STOP

FINISHES

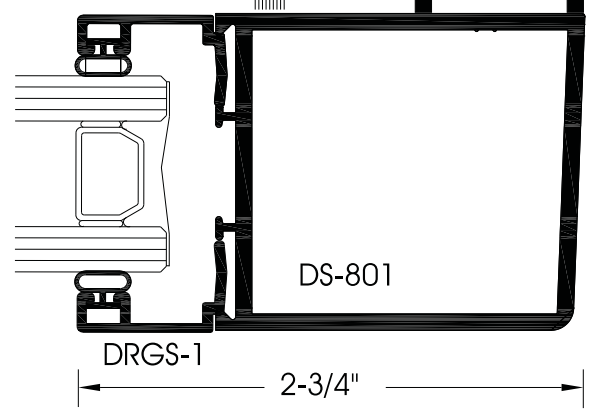
MILL
CLEAR
BRONZE



SL-OFFSET STYLE
1" GLASS STOP

FINISHES

MILL
CLEAR
BRONZE



MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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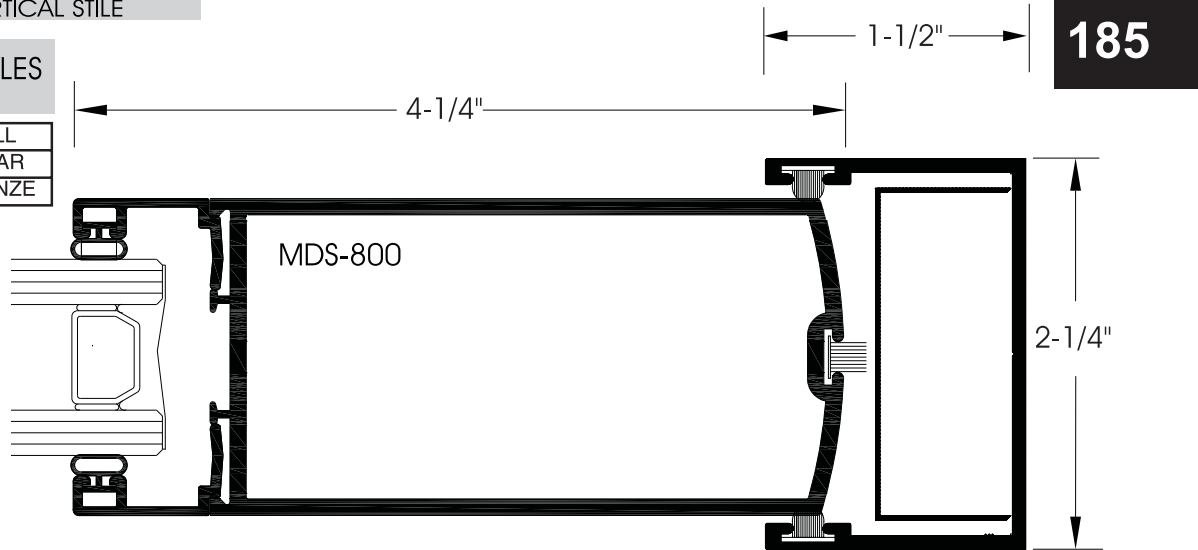
SLIDING DOORS
1/4"-1" GLASS STOP
FULL SCALE

SL-MEDIUM STYLE
3 1/2" VERTICAL STILE

SL-RADIUS STYLES
1" GLASS STOP

FINISHES

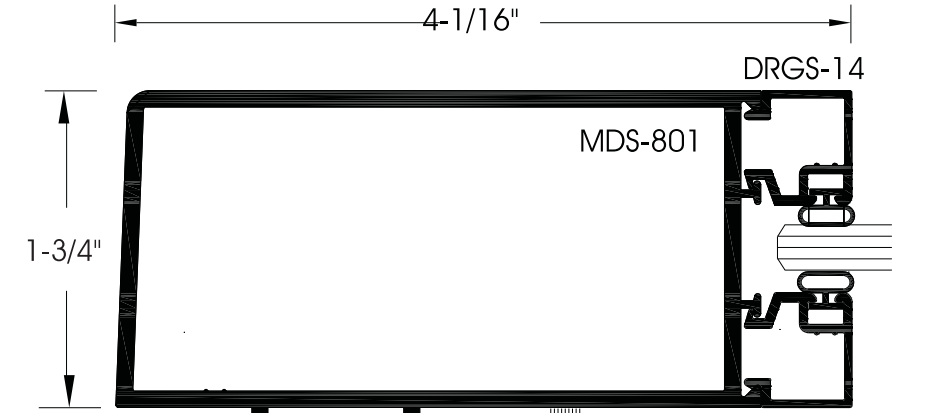
MILL
CLEAR
BRONZE



SL-OFFSET STYLE
1/4" GLASS STOP

FINISHES

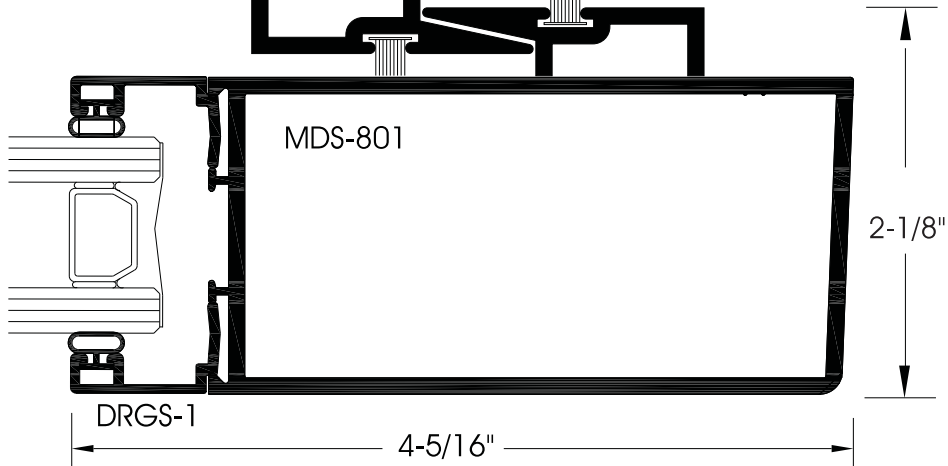
MILL
CLEAR
BRONZE



SL-OFFSET STYLE
1" GLASS STOP

FINISHES

MILL
CLEAR
BRONZE



MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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SLIDING DOORS

1/4"-1" GLASS STOP

FULL SCALE

SL-WIDE STYLE

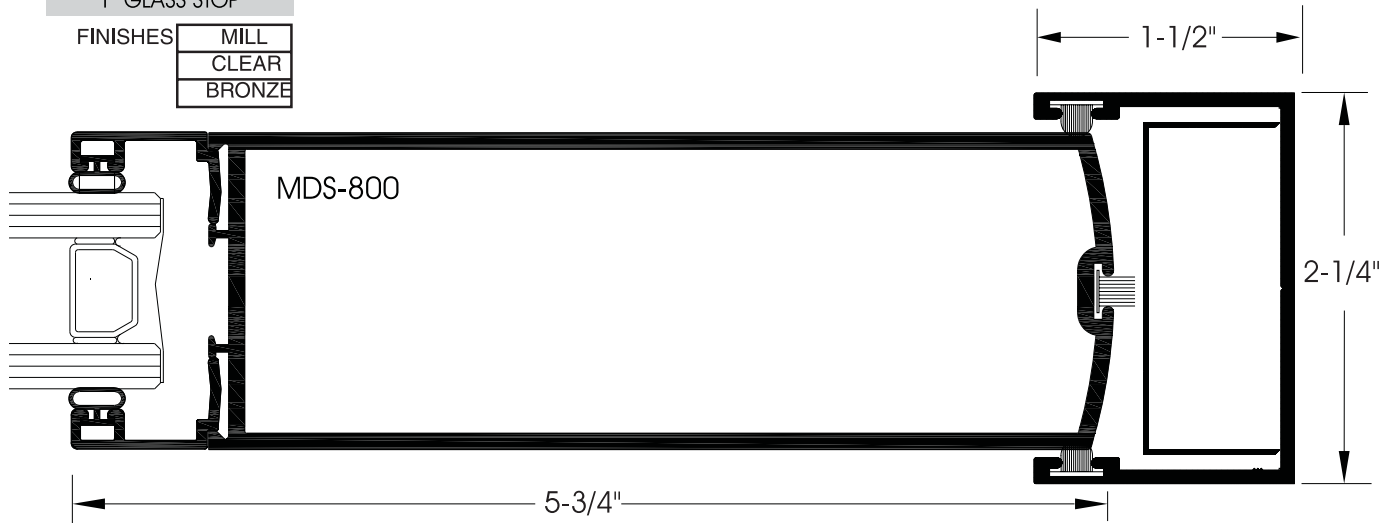
3 1/2" VERTICAL STILE

186

SL-RADIUS STYLES

1" GLASS STOP

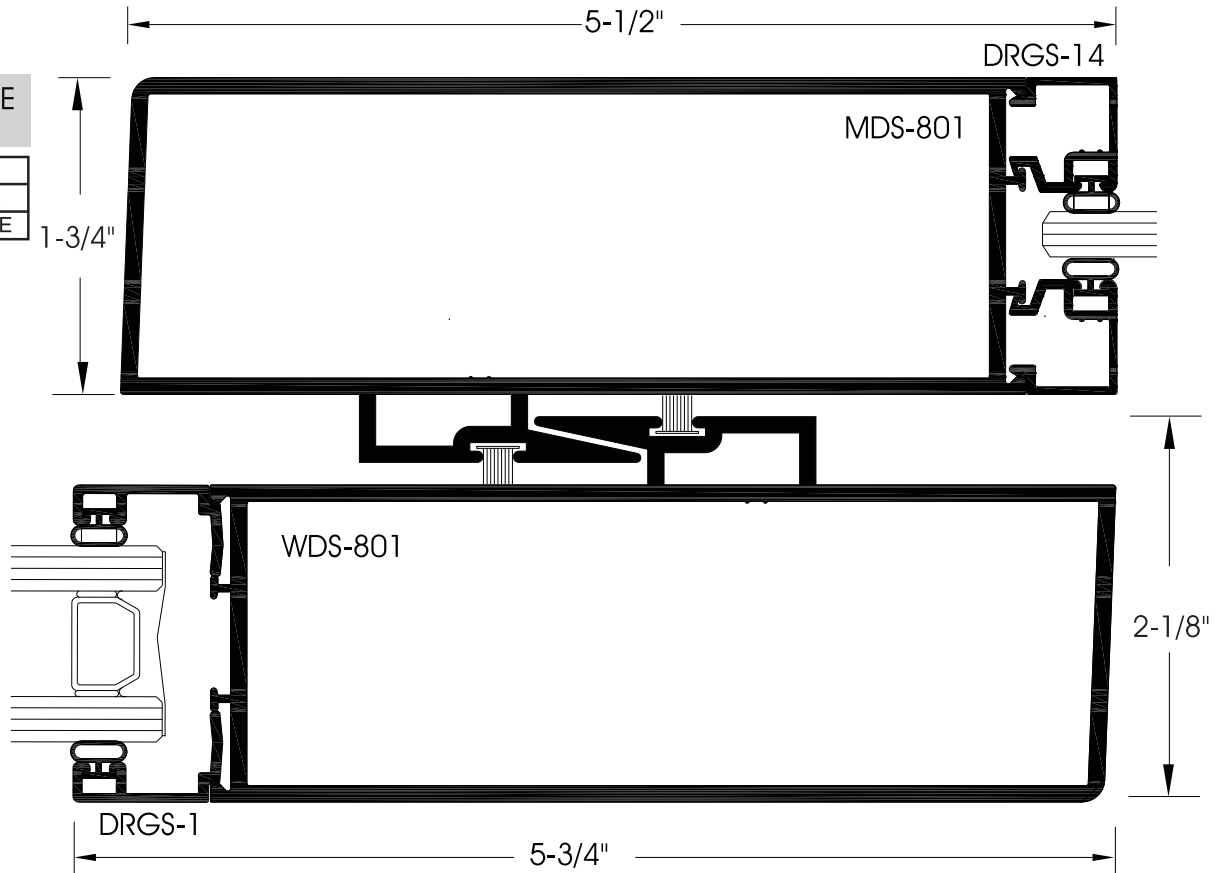
FINISHES	MILL
	CLEAR
	BRONZE



SL-OFFSET STYLE

1/4" GLASS STOP

FINISHES	MILL
	CLEAR
	BRONZE



MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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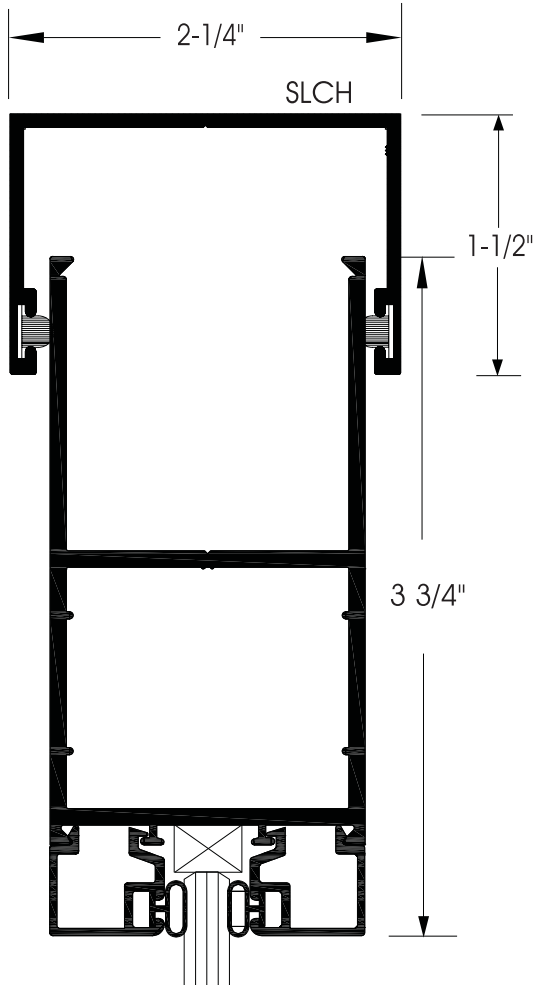
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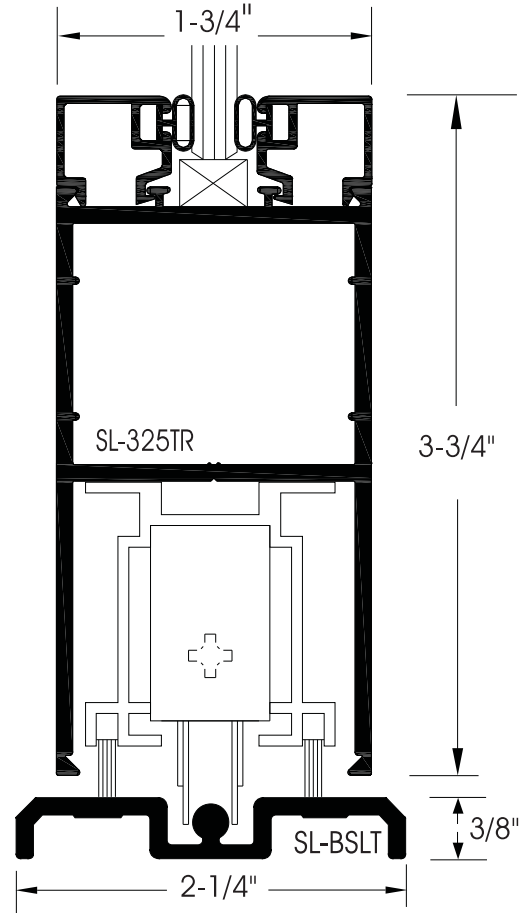


SLIDING DOORS
 1/4"-1" GLASS STOP
FULL SCALE
SL- STYLE
 3 1/4" RAIL



SL-TOP RAIL
 1/4" GLASS STOP

FINISHES	MILL
	CLEAR
	BRONZE



SL-BOTTOM RAIL
 1/4" GLASS STOP

FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details





SLIDING DOORS

1/4"-1" GLASS STOP

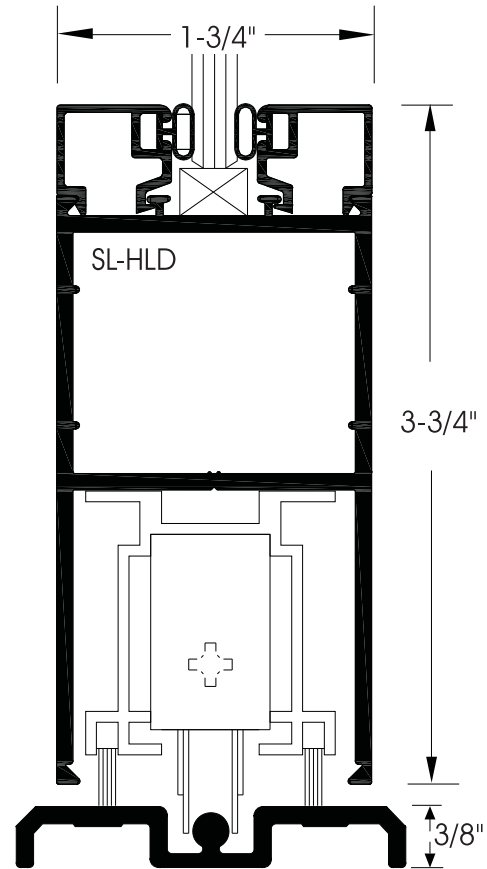
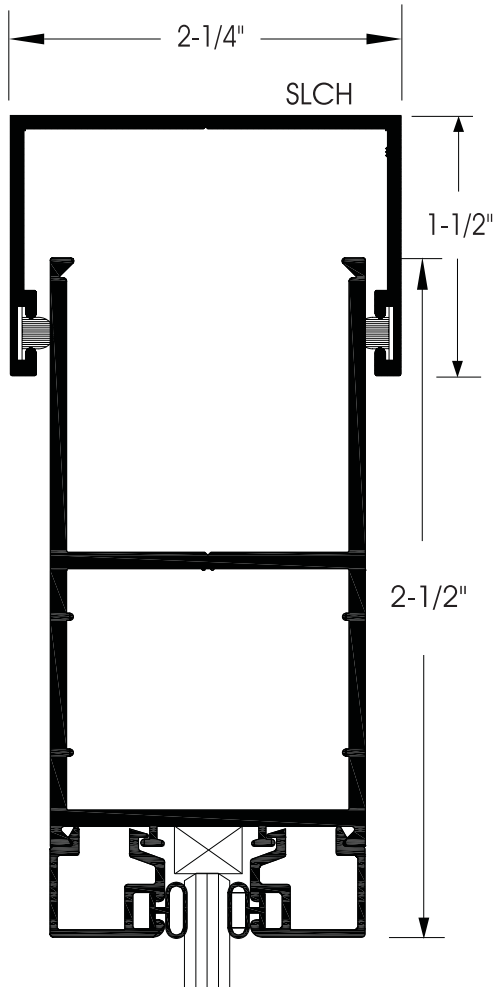
FULL SCALE

SL- STYLE

3 1/4" RAIL

188

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**SL-TOP
RAIL**
1/4" GLASS STOP

FINISHES	MILL
	CLEAR
	BRONZE

**SL-BOTTOM
RAIL**
1/4" GLASS STOP

FINISHES	MILL
	CLEAR
	BRONZE

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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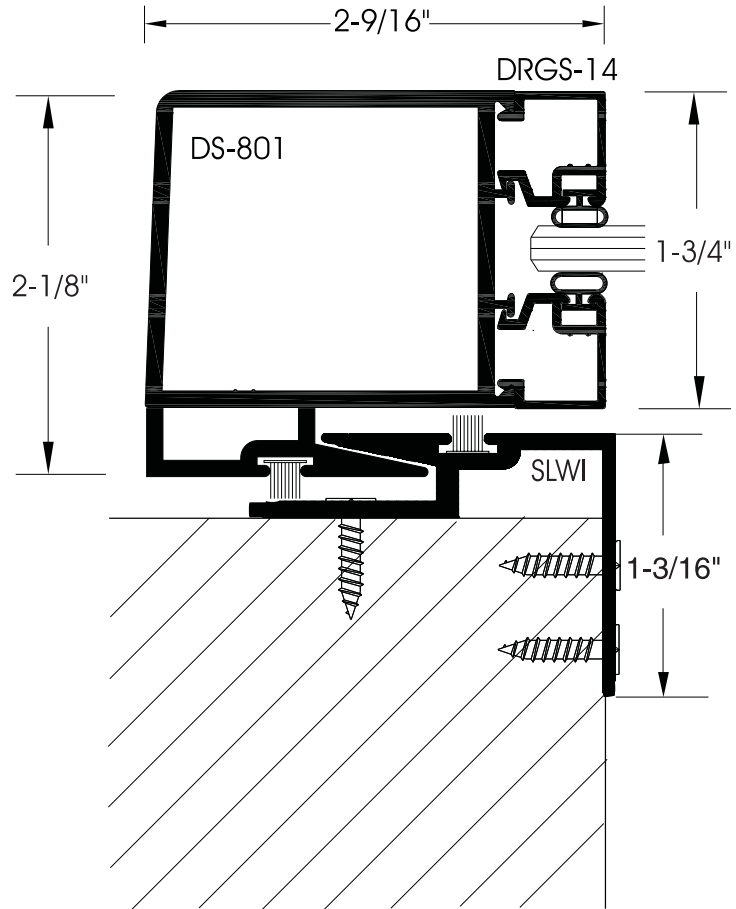
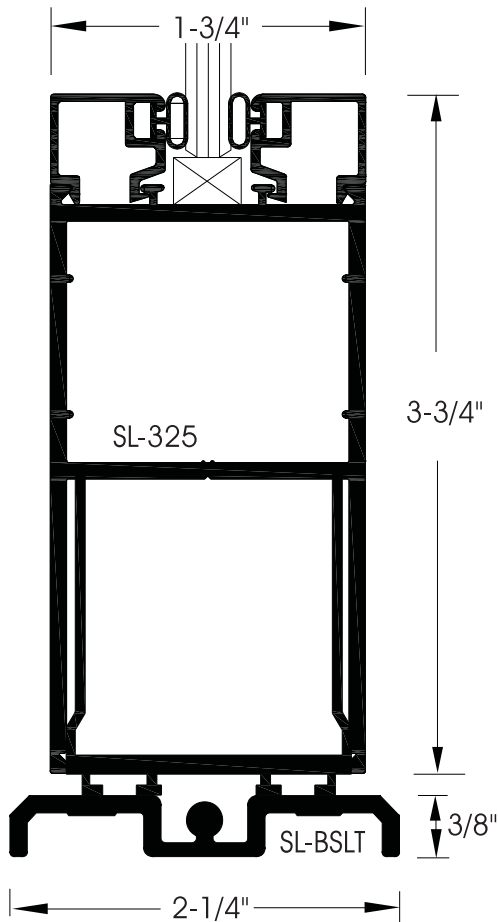




SLIDING DOORS
 1/4"-1" GLASS STOP
FULL SCALE
SL- STYLE
 3 1/4" RAIL

PRL Aluminum
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189



SL-BOTTOM RAIL
 + BULK HEAD
 1/4" GLASS STOP

FINISHES

MILL
CLEAR
BRONZE

SL-STYLE
 1" GLASS STOP

FINISHES

MILL
CLEAR
BRONZE

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

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SLIDING DOORS

1/4"-1" GLASS STOP

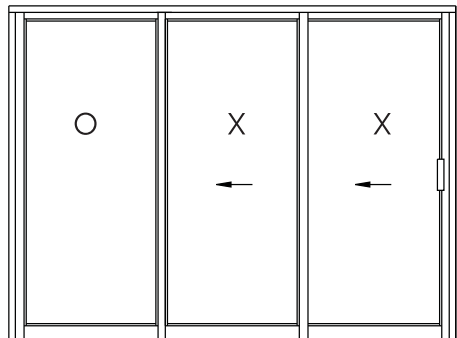
HALF SCALE

WALL SYSTEM
DETAILS

190

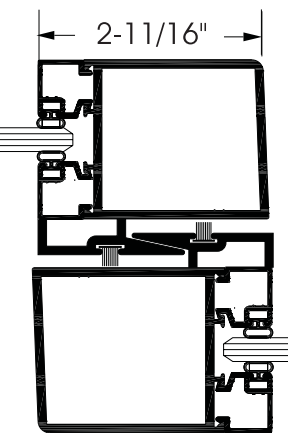
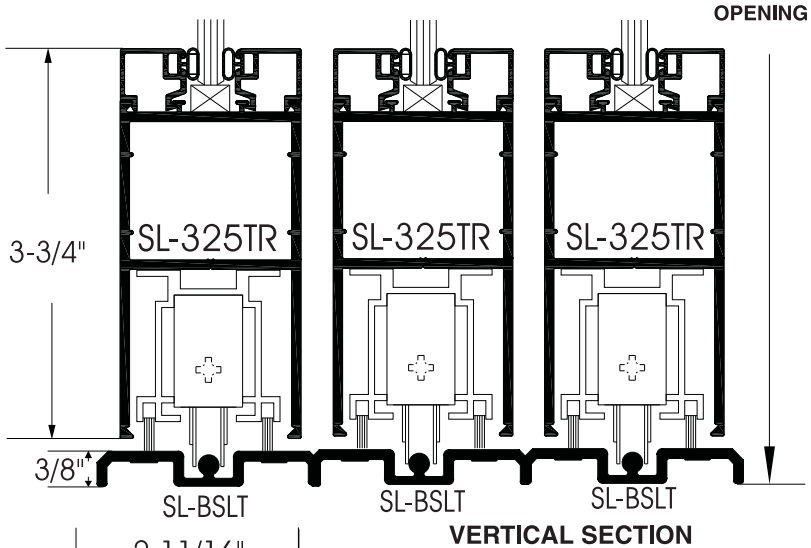
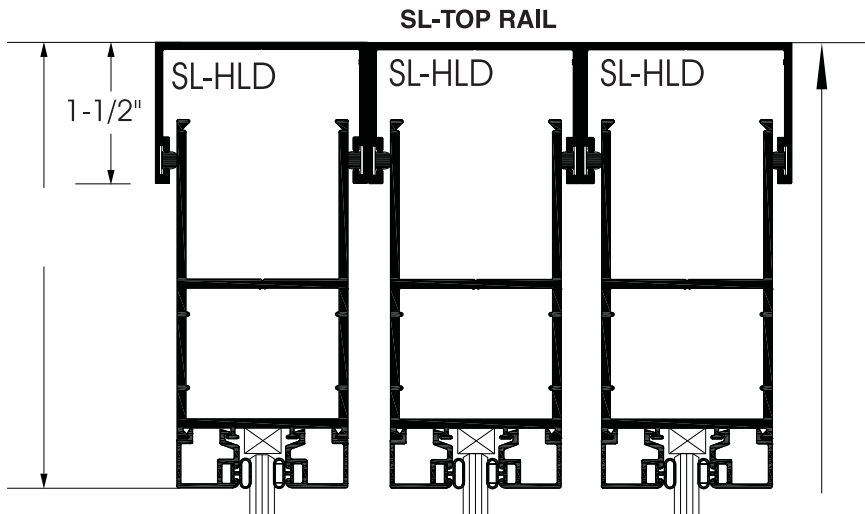
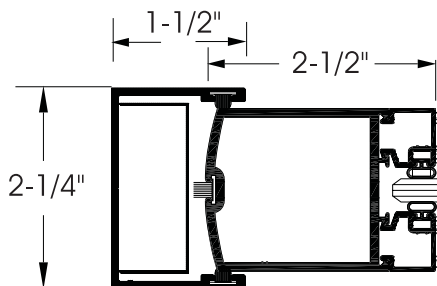


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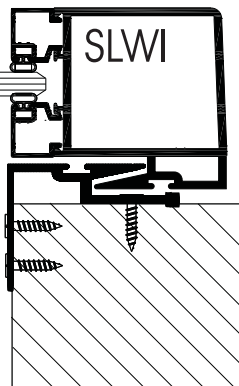
**INTERLOCKED
WALL SYSTEM
HEAT ELEVATION**

SL-JAMB



HORIZONTAL SECTION

INTERLOCKED



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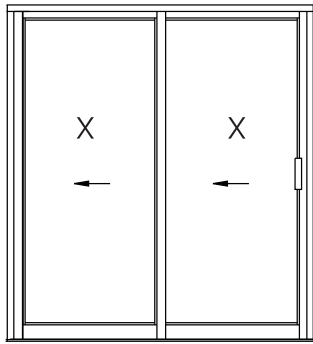




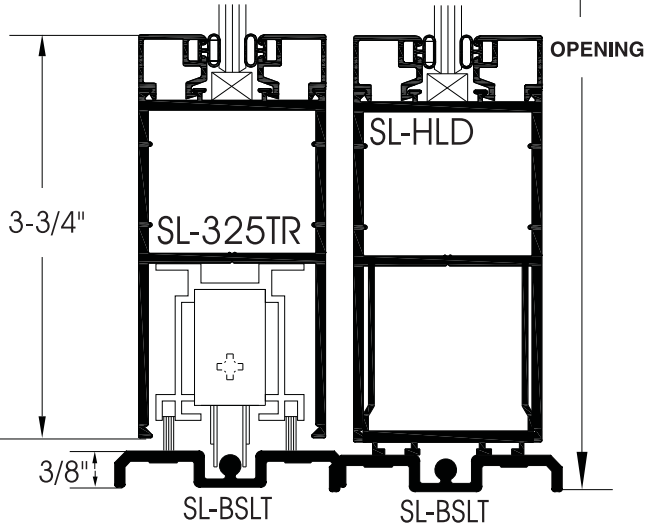
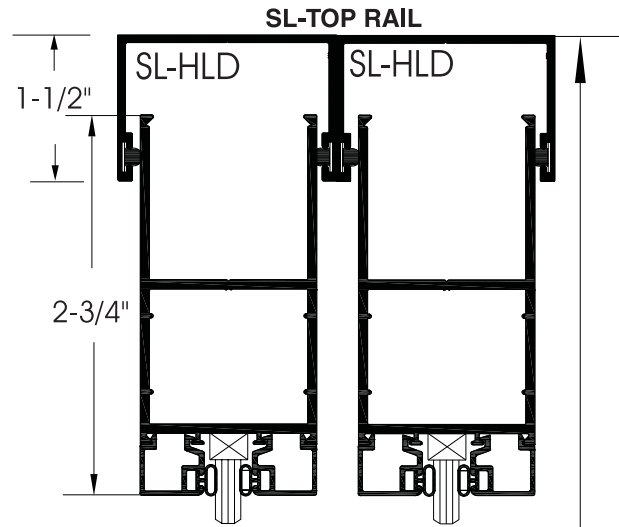
SLIDING DOORS
1/4"-1" GLASS STOP
HALF SCALE

**WALL SYSTEM
DETAILS**

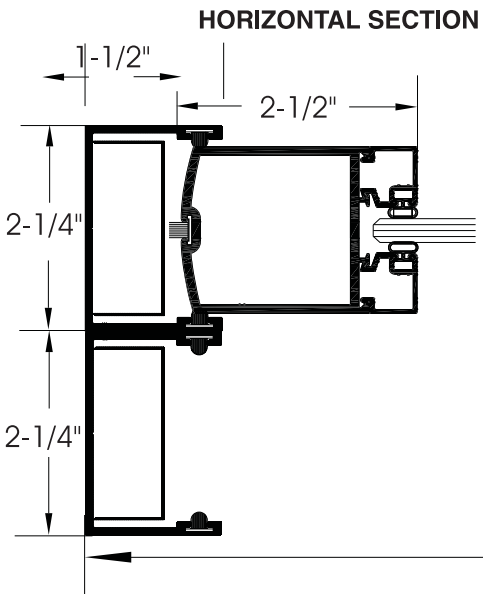
191



**SLIDER WALL SYSTEM
ELEVATION**



VERTICAL SECTION



OPENING WIDTH





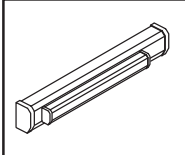
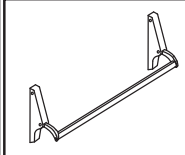
SWINGING ENTRANCES

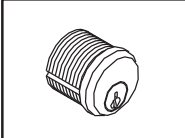

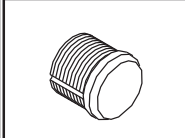
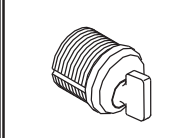


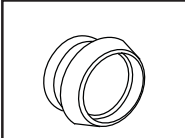
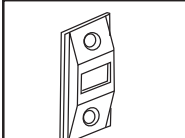
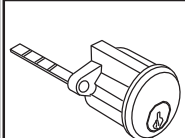
"We have the *fastest* leadtimes in the industry guaranteed!"

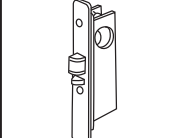
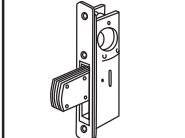
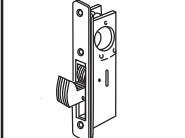
192

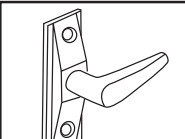
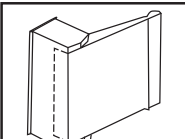
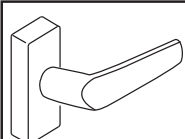
HARDWARE

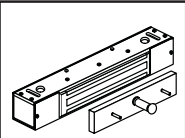
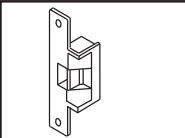

PANICS			FREE LOCAL DELIVERY! ON ORDERS ABOVE \$500.00	ADAMS RITE devices and other mfr's are also available upon request! <small>*call for details</small>
	NAME CONTEMPO	CROSS BAR		
	PART NUMBER CPN	CBPN		
UNIT PC/EA	PC/EA			

CYLINDERS				
	NAME KEY	MT-PAD	DUMMY	T-TURN
	PRT NUMBER KC	MP	DC	TT
UNIT PC/EA	PC/EA	PC/EA	PC/EA	

				ORDER a complete system! GLASS & ALUMINUM from US <small>*call for details</small>
	NAME CYL GUARD	LOCK INDICATOR	RIM CYLINDER	
	PART NUMBER CG	LI	RC	
UNIT PC/EA	PC/EA	PC/EA		

LOCKS				T-HOLD & HEADER BOLTS are also in stock! <small>*call for details</small>
	NAME DEADLATCH	LONG THROW	HOOK THROW	
	PART NUMBER DL	LT	HT	
UNIT PC/EA	PC/EA	PC/EA		

HANDLES				Please call us for specific lever/handle MFR/models
	NAME LEVER	PADDLE	EURO LEVER	
	PART NUMBER LH	PH	ELH	
UNIT PC/EA	PC/EA	PC/EA		

ACCESORIES				INTERNATIONAL and other access controls are also available upon request! <small>*call for details</small>
	NAME MAGNETIC LOCK	ELECTRIC STRIKE	FLUSH BOLT	
	PART NUMBER ML	ES	FB	
UNIT PC/EA	PC/EA	PC/EA		

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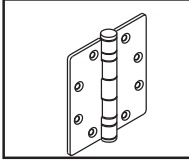
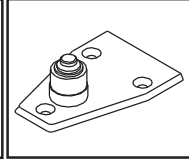
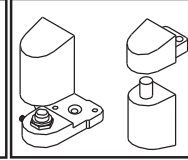
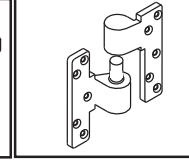

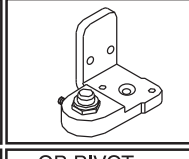
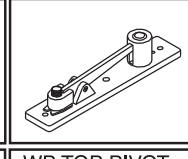

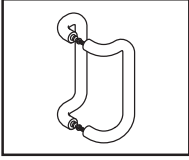
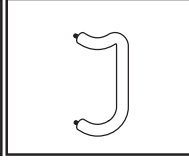
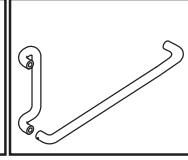
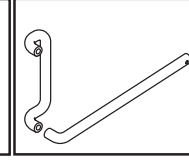
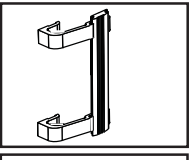
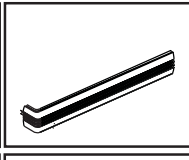
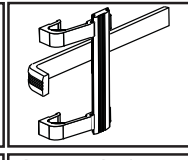
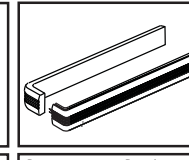
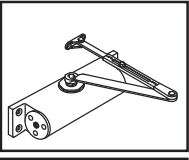
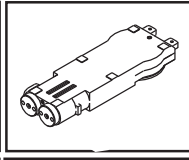
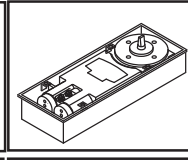
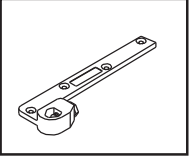
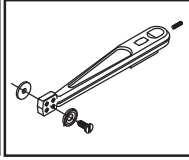
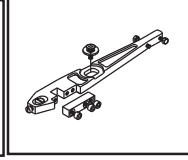
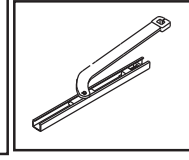
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HARDWARE

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PIVOTS					
	NAME	BUTT HINGE	CHB PIVOT	OFFSET PIVOT	INT PIVOT
	PART NUMBER	BH	CHBP	OP	IPV
	UNIT	PC/EA	PC/EA	SET	PC/EA
					
	NAME	GEAR HINGE	OB PIVOT	WB TOP PIVOT	T-HOLD MOUNT
	PART NUMBER	GH	OBP	WBTP	THMP
	UNIT	PC/EA	PC/EA	PC/EA	PC/EA
PULLS					
	NAME	B/B OFFSET	SINGLE OFFSET	DB-PUSH/PULL	SB-PUSH/PULL
	PART NUMBER	BBOP	SSOP	DBPP	SBPP
	UNIT	PC/EA	PC/EA	PC/EA	PC/EA
					
	NAME	STD S OFFSET	STD PUSH BAR	STD-PUSH/PULL	STD-D PUSH/BAR
	PART NUMBER	SSOP	SPB	SPPB	SDPB
	UNIT	PC/EA	PC/EA	PC/EA	PC/EA
CLOSERS				FREE LOCAL DELIVERY! ON ORDERS ABOVE \$500.00	
	NAME	SURFACE MOUNT	OVERHEAD		FLOOR MOUNT
	PART NUMBER	SMC	OHCC		FC
	UNIT	PC/EA*	PC/EA		PC/EA
*MOUNTING BRACKET SOLD SEPARATELY					
ARMS					
	NAME	FC OFFSET ARM	FC ARM	OH ARM	OH OFFSET ARM
	PART NUMBER	FCOA	FCA	OHA	OHOA
	UNIT	PC/EA	PC/EA	PC/EA	PC/EA

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