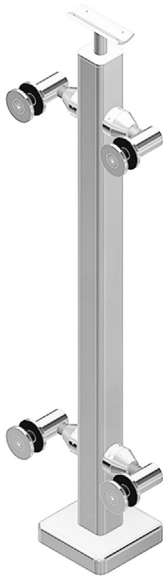


# INSTALLATION INSTRUCTIONS

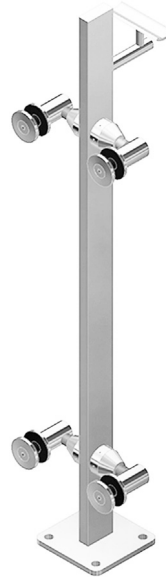
## CRL P-SERIES STAINLESS STEEL POST GLASS RAILING SYSTEM



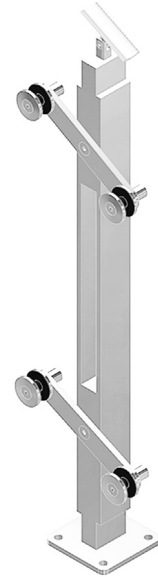
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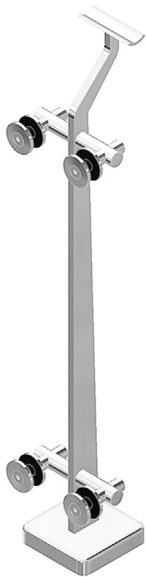
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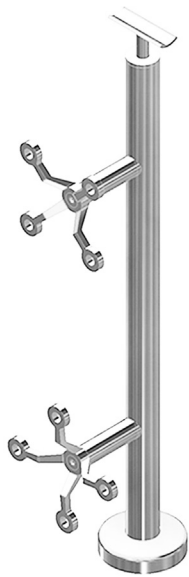
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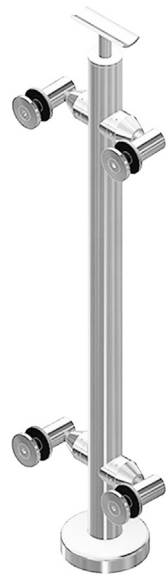
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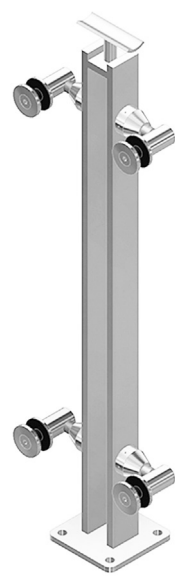
P5 Series



P6 Series



P7 Series

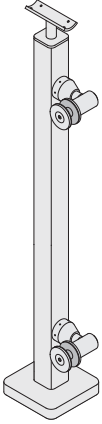
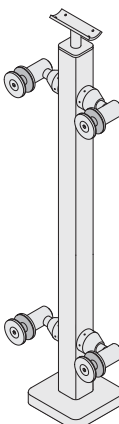
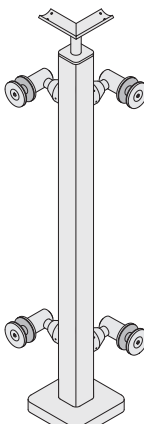
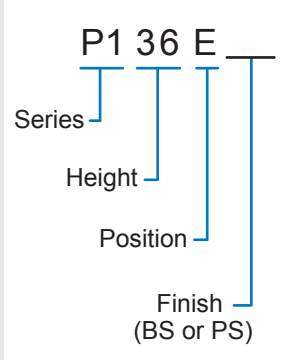
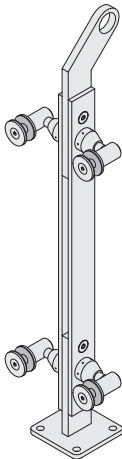
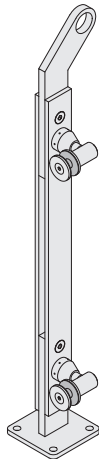
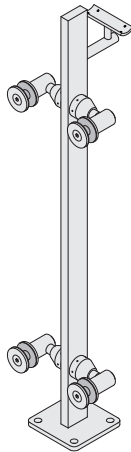
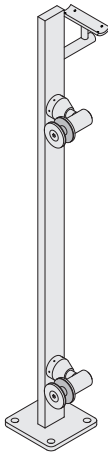
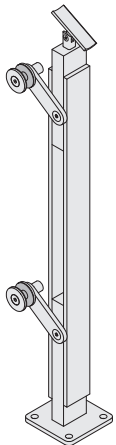
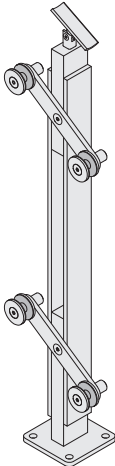
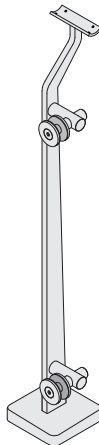
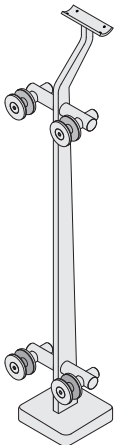


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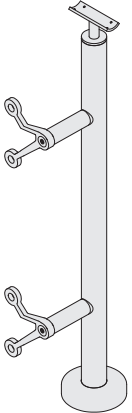
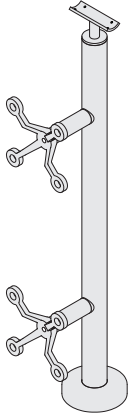
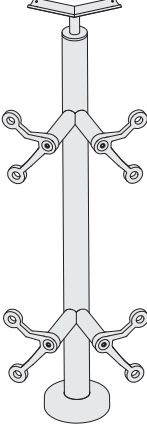
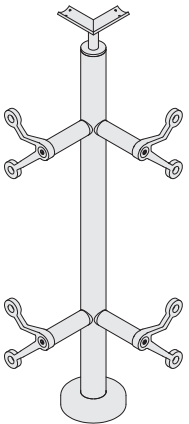
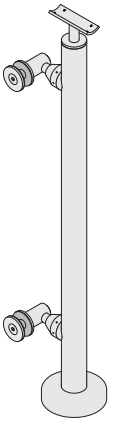
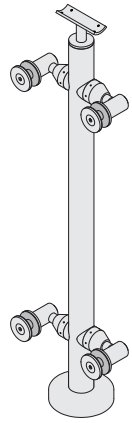
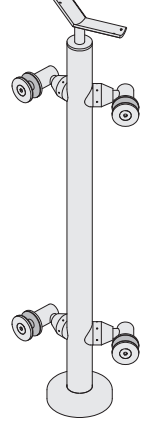
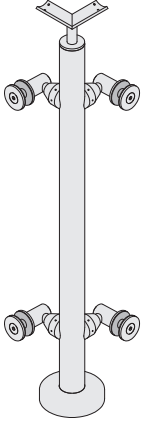
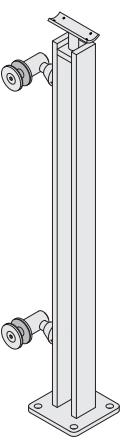
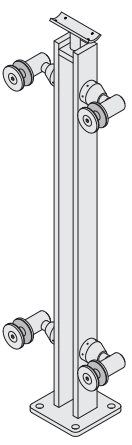
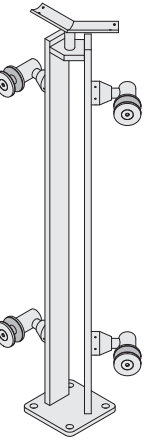
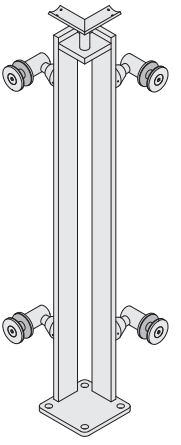


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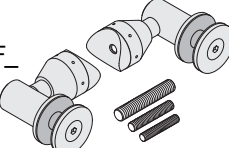
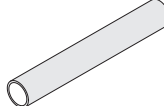
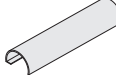

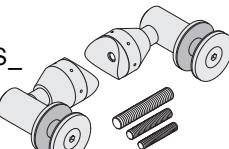
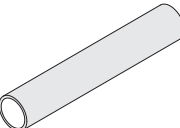
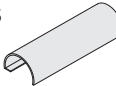

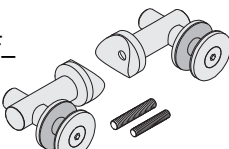
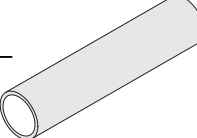
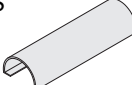

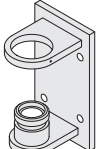
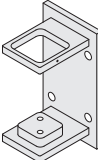
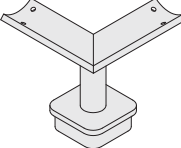
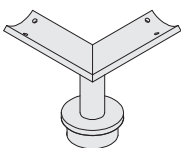
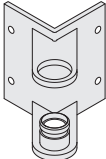
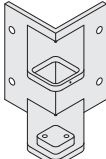
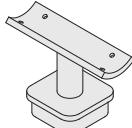
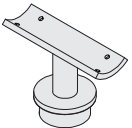
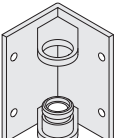
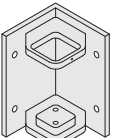
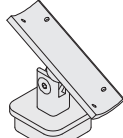
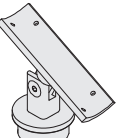
PARTS LIST - Post Kits

<p><b>P1 Series End Post Kit</b></p>  <p>P136E_ 36" Height</p> <p>P142E_ 42" Height</p>	<p><b>P1 Series 180 Degree Center Post Kit</b></p>  <p>P136C_ 36" Height</p> <p>P142C_ 42" Height</p>	<p><b>P1 Series 90 Degree Corner Post Kit</b></p>  <p>P136L_ 36" Height</p> <p>P142L_ 42" Height</p>	<p><b>PART NUMBER NOMENCLATURE</b></p> 
<p><b>P2 Series End Post Kit</b></p>  <p>P236E_ 36" Height</p> <p>P242E_ 42" Height</p>	<p><b>P2 Series 180 Degree Center Post Kit</b></p>  <p>P236C_ 36" Height</p> <p>P242C_ 42" Height</p>	<p><b>P3 Series End Post Kit</b></p>  <p>P336E_ 36" Height</p> <p>P342E_ 42" Height</p>	<p><b>P3 Series 180 Degree Center Post Kit</b></p>  <p>P336C_ 36" Height</p> <p>P342C_ 42" Height</p>
<p><b>P4 Series End Post Kit</b></p>  <p>P436E_ 36" Height</p> <p>P442E_ 42" Height</p>	<p><b>P4 Series 180 Degree Center Post Kit</b></p>  <p>P436C_ 36" Height</p> <p>P442C_ 42" Height</p>	<p><b>P5 Series End Post Kit</b></p>  <p>P536E_ 36" Height</p> <p>P542E_ 42" Height</p>	<p><b>P5 Series 180 Degree Center Post Kit</b></p>  <p>P536C_ 36" Height</p> <p>P542C_ 42" Height</p>

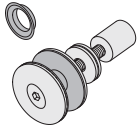
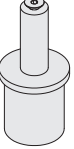
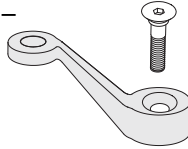
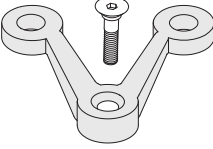
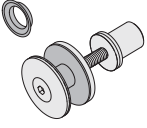
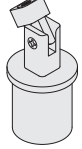
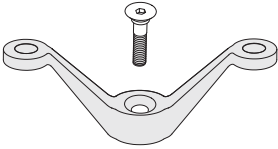
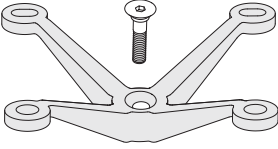
PARTS LIST - Post Kits (Continued)

<p><b>P6 Series End Post Kit</b></p>  <p>P636E_ 36" Height</p> <p>P642E_ 42" Height</p>	<p><b>P6 Series 180 Degree Center Post Kit</b></p>  <p>P636C_ 36" Height</p> <p>P642C_ 42" Height</p>	<p><b>P6 Series 135 Degree Angle Post Kit</b></p>  <p>P636A_ 36" Height</p> <p>P642A_ 42" Height</p>	<p><b>P6 Series 90 Degree Corner Post Kit</b></p>  <p>P636L_ 36" Height</p> <p>P642L_ 42" Height</p>
<p><b>P7 Series End Post Kit</b></p>  <p>P7F36E_ 36" Height</p> <p>P7F42E_ 42" Height</p>	<p><b>P7 Series 180 Degree Center Post Kit</b></p>  <p>P7F36C_ 36" Height</p> <p>P7F42C_ 42" Height</p>	<p><b>P7 Series 135 Degree Angle Post Kit</b></p>  <p>P7F36A_ 36" Height</p> <p>P7F42A_ 42" Height</p>	<p><b>P7 Series 90 Degree Corner Post Kit</b></p>  <p>P7F36L_ 36" Height</p> <p>P7F42L_ 42" Height</p>
<p><b>P8 Series End Post Kit</b></p>  <p>P8F36E_ 36" Height</p> <p>P8F42E_ 42" Height</p>	<p><b>P8 Series 180 Degree Center Post Kit</b></p>  <p>P8F36C_ 36" Height</p> <p>P8F42C_ 42" Height</p>	<p><b>P8 Series 135 Degree Angle Post Kit</b></p>  <p>P8F36A_ 36" Height</p> <p>P8F42A_ 42" Height</p>	<p><b>P8 Series 90 Degree Corner Post Kit</b></p>  <p>P8F36L_ 36" Height</p> <p>P8F42L_ 42" Height</p>

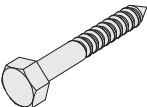
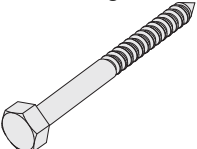
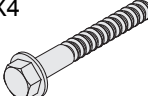
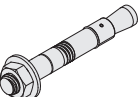


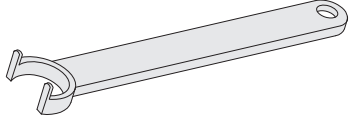


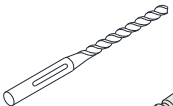
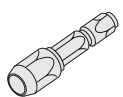
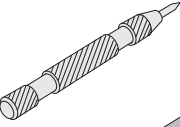
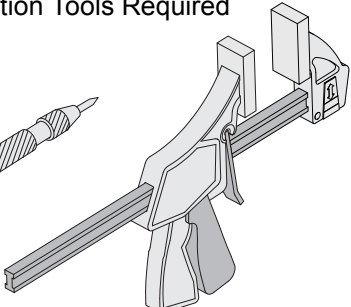

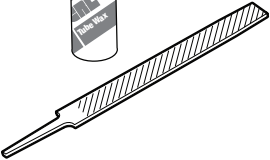
## PARTS LIST - Mounting Options and Accessories

<p>Double Arm Fixed Fitting for 1/2" Glass</p> <p>RB50F_</p> 	<p>1-1/4" Schedule 40 Pipe Railing Tubing</p> <p>PR12_</p> 	<p>Splice Connector for 1-1/4" Schedule 40 Pipe Railing Tubing</p> <p>PR16CSS</p> 	<p>1-1/4" Schedule 40 End Cap</p> <p>PR12EC_</p> 
<p>Double Arm Swivel Fitting for 1/2" Glass</p> <p>RB50S_</p> 	<p>1-1/2" Schedule 40 Pipe Rail Tubing 1.9" O.D.</p> <p>PR15_</p> 	<p>Splice Connector for 1-1/2" Schedule 40 Pipe Rail Tubing</p> <p>PR19CSS</p> 	<p>1-1/2" Schedule 40 End Cap</p> <p>PR15EC_</p> 
<p>Double Arm Fixed Fitting for 1/2" Glass</p> <p>RB51F_</p> 	<p>1-1/2" Diameter Hand Railing Tubing 1.5" O.D.</p> <p>HRH15_</p> 	<p>Splice Connector for 1-1/2" Diameter Hand Railing Tubing</p> <p>GR15CSS</p> 	<p>1-1/2" Diameter Hand Railing End Cap</p> <p>HRH15EC_</p> 
<p>1-1/2" CRS Standard Fascia Mount Bracket</p> <p>CR15FB_</p> 	<p>2" Square Standard Fascia Mount Bracket</p> <p>CR2FB_</p> 	<p>2" Square Post P-Series 90 Degree Fixed Standoff Saddle</p> <p>P1F9_</p> 	<p>1.9" Round Post P-Series 90 Degree Fixed Standoff Saddle</p> <p>P7F9_</p> 
<p>1-1/2" CRS Outside Corner Fascia Mount Bracket</p> <p>CR150FB_</p> 	<p>2" Square Outside Corner Fascia Mount Bracket</p> <p>CR20FB_</p> 	<p>2" Square Post P-Series 180 Degree Fixed Standoff Saddle</p> <p>P1FS_</p> 	<p>1.9" Round Post P-Series 180 Degree Fixed Standoff Saddle</p> <p>P7FS_</p> 
<p>1-1/2" CRS Inside Corner Fascia Mount Bracket</p> <p>CR151FB_</p> 	<p>2" Square Inside Corner Fascia Mount Bracket</p> <p>CR21FB_</p> 	<p>2" Square Post P-Series Swivel Standoff Saddle</p> <p>P15S_</p> 	<p>1.9" Round Post P-Series Swivel Standoff Saddle</p> <p>P75S_</p> 

## PARTS LIST - Mounting Options and Accessories (Continued)

<p>Rigid Head Combination Glass Attachment</p> <p>RRF10_</p> 	<p>P7 Series Vertically Adjustable Post Cap</p> <p>P7VF_</p> 	<p>Single Arm Post Mounting Fitting</p> <p>GRP1_</p> 	<p>Double Arm "V" Post Mounting Fitting</p> <p>GR2PV_</p> 
<p>Swivel Head Combination Glass Attachment</p> <p>RSF10_</p> 	<p>P7 Series Vertically Adjustable Post Cap Swivel Head</p> <p>P7VS_</p> 	<p>Double Arm Post Mounting Fitting</p> <p>GRP2_</p> 	<p>Four Arm "V" Post Mounting Fitting</p> <p>GRP4_</p> 

## PARTS LIST - Fasteners and Tools

<p>3/8" x 3-1/2" Lag Bolt</p> <p>LB350</p> 	<p>3/8" x 6" Lag Bolt</p> <p>LB600</p> 	<p>3/8" x 4" Screw In Concrete Anchor</p> <p>WBA38X4</p> 	<p>M8 3-7/8" Long HSL-3 Expansion Concrete Anchor</p> <p>EBA334</p> 
<p>Stainless Steel 1/2-13 x 3/4" Socket Head Cap Screw</p> <p>SHCS12X34</p> 	<p>P-Series Stainless Steel Top Rail Connecting Screw</p> <p>PRS1032TC</p> 	<p>RB50 Fitting Swivel Nut Wrench</p> <p>SNW3</p> 	
<p>P-Post Top Rail Installation Tools Required</p>			
 	 	 	 
<p>24231 Loctite® Threadlocker</p> <p>32629 Loctite® Metal Contact Cement</p>	<p>SLD21 #21 Tin Coated Drill Bit</p> <p>DBH1 Drill Bit Holder</p>	<p>G78 Center Punch</p> <p>506QC 6" Quick Grip Clamps</p>	<p>WS140 Tube Wax</p> <p>FF12MC Flat File</p>

**IMPORTANT: READ THIS MANUAL THOROUGHLY BEFORE BEGINNING INSTALLATION.**

## SYSTEM LIMITATIONS

Maximum Spacing Between Posts

Steel Mounted: 60" (1524 mm) On Center

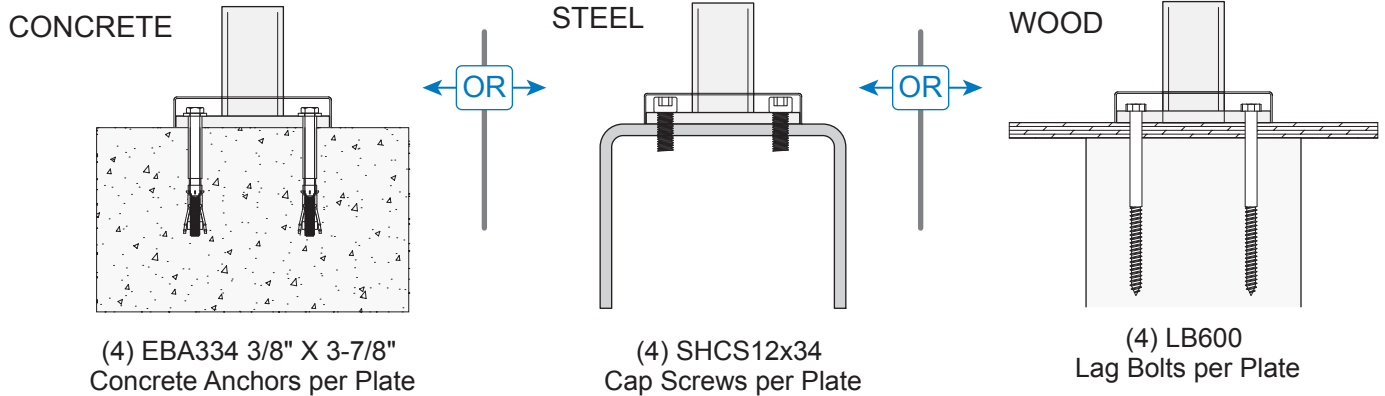
Wood or Concrete Mounted: 48" (1219 mm) On Center

## ORDER OF ASSEMBLY AND INSTALLATION

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## POST MOUNTING OPTIONS

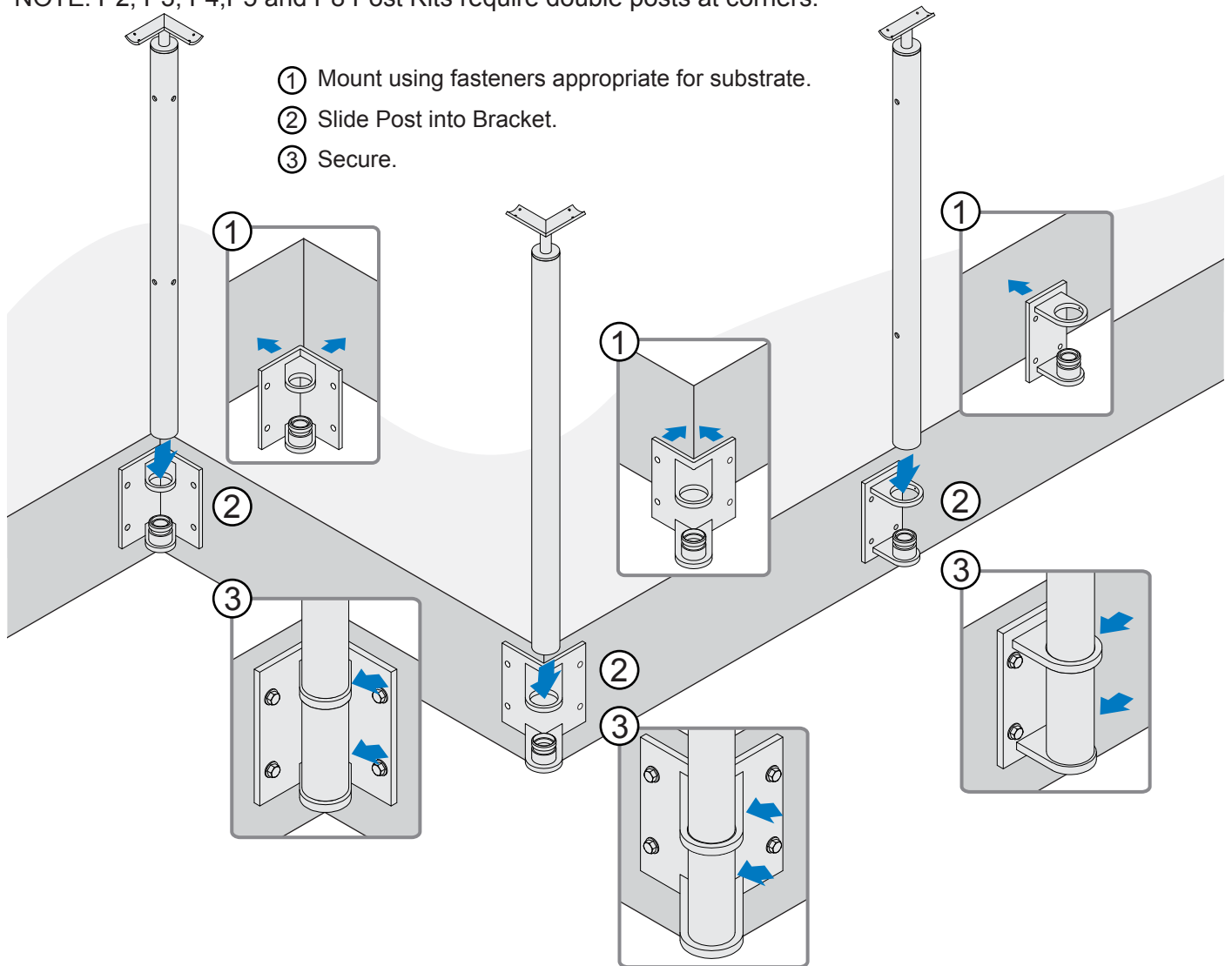
### Base Mount



NOTE: When mounting Series P-6 and P-7 to wood be sure to use a four-hole base plate.

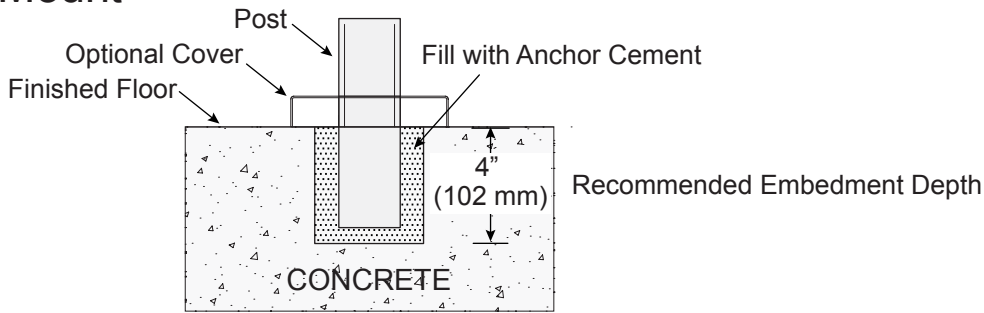
### Fascia Mount : For P1, P6 and P7 Series Posts Only

NOTE: P2, P3, P4, P5 and P8 Post Kits require double posts at corners.



## POST MOUNTING OPTIONS (CONTINUED)

### Core Mount

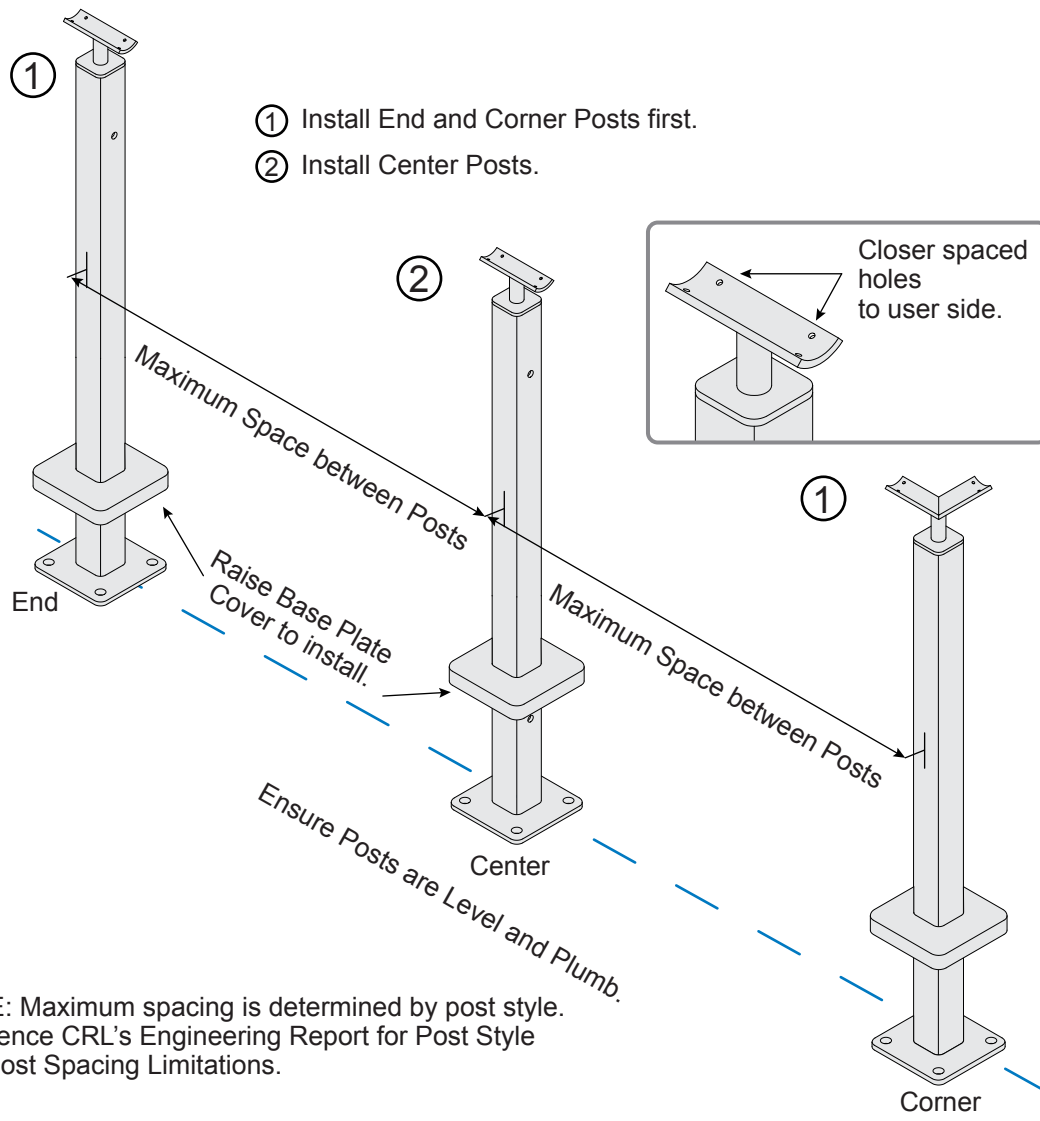


## POST INSTALLATION

Install End and Corner Posts first and then install Center Posts. Maximum spacing between posts, between 48" (1219 mm) and 60" (1524 mm) is determined by the post style. Refer to CRL's Engineering Report on [crlaurence.com](http://crlaurence.com) for more information. Ensure posts are in line and plumb.

Place posts with holes spaced closer together on inside.

NOTE: For series with Base Plate Covers, lift the plate up to mount post.



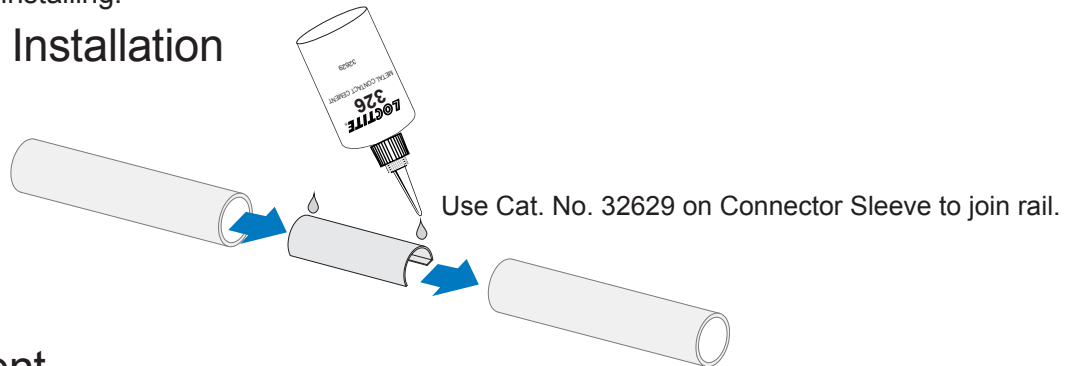
NOTE: Maximum spacing is determined by post style. Reference CRL's Engineering Report for Post Style and Post Spacing Limitations.



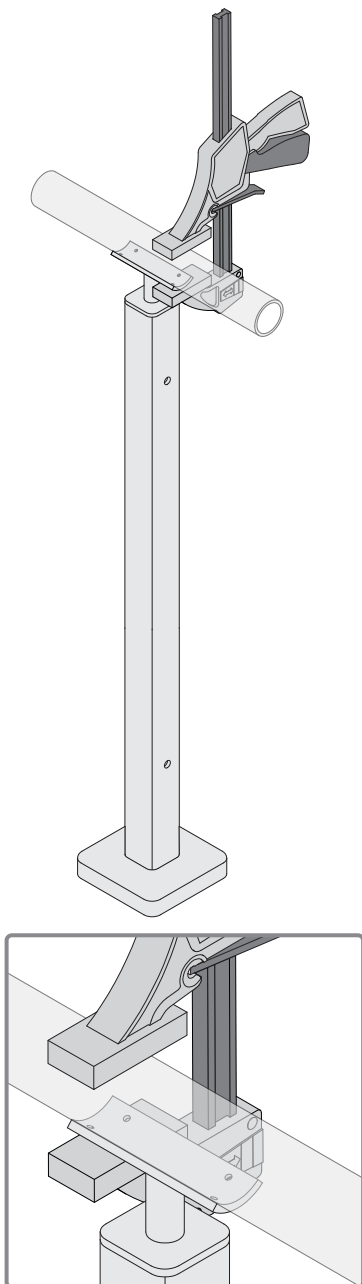
## TOP RAIL INSTALLATION

Dry fit the rail before installing.

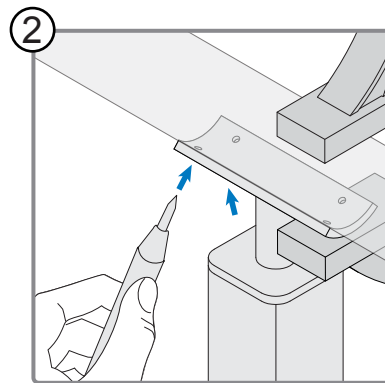
### Splice Sleeve Installation



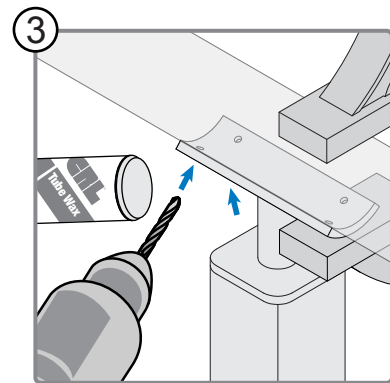
### Rail Attachment



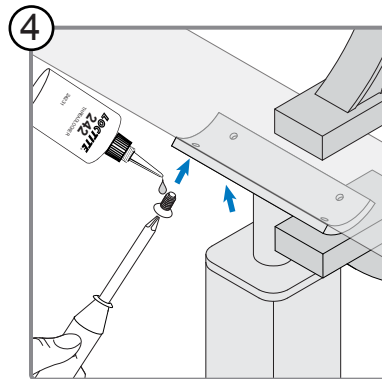
① Hold Tube in place with Cat. No. 506QC Quick Grip Clamps.



Mark CENTER of each hole.



Apply Tube Wax and drill pilot hole using #21 drill bit at each hole in saddle.



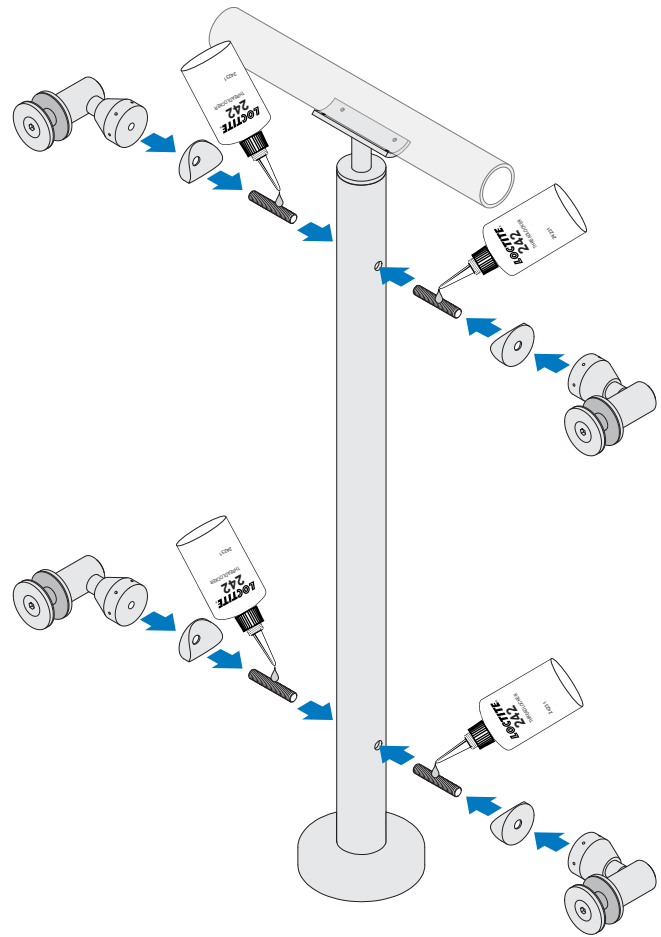
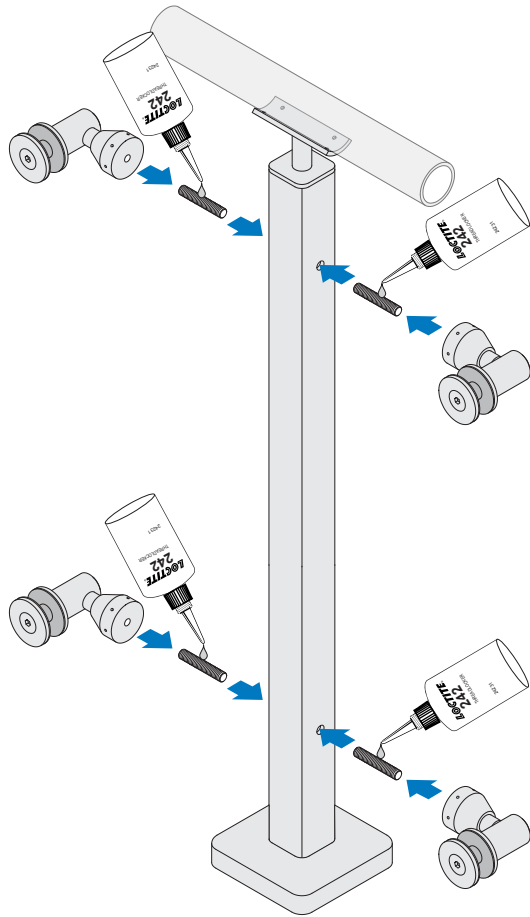
Use Cat. No. PRS1032TC self tapping screws with Cat. No. 24231 to secure.

⑤ Move Quick Grip Clamps to other side and repeat steps 2 through 4.

\* Loctite® is recommended on all screw threads during final assembly.

# GLASS INSTALLATION

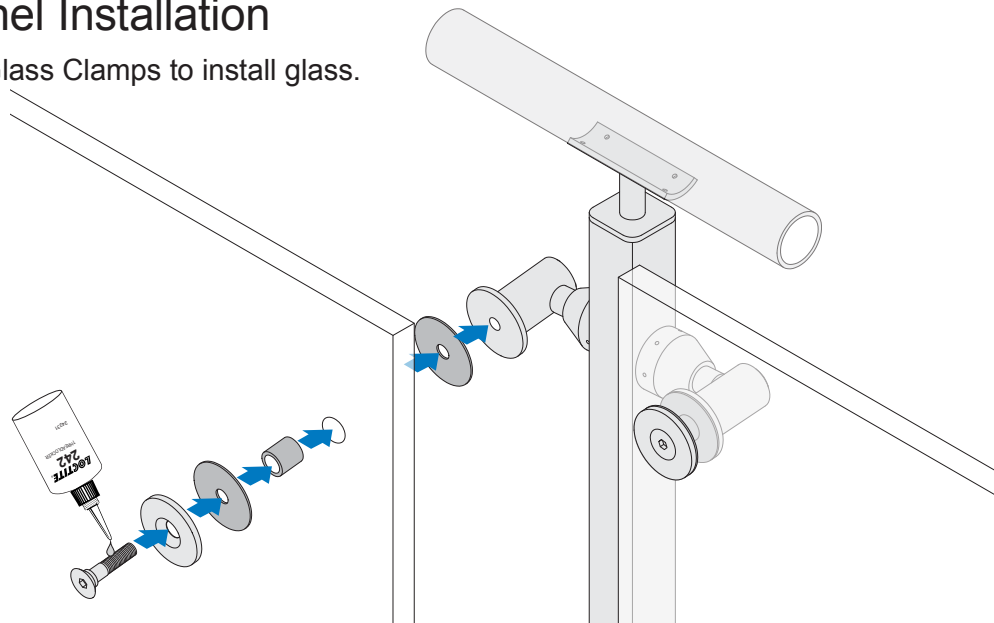
## Glass Clamp Installation



Use curved adapter to mount to round posts.

## Glass Panel Installation

Disassemble Glass Clamps to install glass.



\* Loctite® is recommended on all screw threads during final assembly.