Poly RAIL® Systems
VINYL RAILING
BY DIGGER SPECIALTIES, INC.
Whether you want to make your home impressive, comfortable, traditional, or distinctive - PolyRail® Vinyl Railing was designed with you in mind. PolyRail® Vinyl Railing offers a comfortable feel with a traditional look and features a range of styles, colors, and applications to enhance your vision. Just imagine the possibilities; after all, your home is your masterpiece.

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For testing information visit polyrail.com
COLORS

VINYL COLORS

DSI Vinyl Products are available in three colors. Our Mocha color is available for select products. Please see individual product pages for availability.

ALUMINUM COLORS

DSI Aluminum Products are offered in 12 standard AAMA 2604 colors. Custom colors and AAMA 2605 colors are available by special order.

EXCLUSIVE DSI POWDER COATING PROCESS

DSI’s aluminum Powder Coating offers an uncompromising quality created by state-of-the-art technology. Our system provides the highest quality powder coating on the market with a lifetime limited warranty giving you peace of mind in your investment.

The raw premium-grade aluminum is inspected to be free of blemishes and is not exposed to the outdoor elements.

The product enters a heated acidic cleaning stage to remove extrusion debris and fabrication oils.

A 200 MPH air blast removes water drops from the pre-treated aluminum. A convection oven completes the dry-off process.

Powder is applied with 18 automated and 2 manual spray guns. Compressed process air is dried to -35°F Dew Point for superior adhesion.

The powder coating is then bonded and adhered to the aluminum sub-straight in a 400 degree cure stage.

Clean: City water rinse
Cleaner: Recycling reverse osmosis water rinse
Cleanest: Pure reverse osmosis water rinse
Sealer: Dried-in-place aluminum sealer
## CARDINAL BOXED RAILING

**STANDARD BALUSTER**  
7/8" x 1-1/2" Rectangular Vinyl  
2-7/8" Baluster Spacing

**“A” SERIES BALUSTER**  
7/8" x 1-1/2" Decorative Vinyl  
2-7/8" Baluster Spacing  
42" Balusters are Aluminum Reinforced

**“B” SERIES BALUSTER**  
3/4” Round Aluminum  
3-7/8" Baluster Spacing  
See Page 1 for Baluster Colors

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### Section Type

<table>
<thead>
<tr>
<th>Section Type</th>
<th>Length</th>
<th>Height</th>
<th>Baluster Style</th>
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<td></td>
<td></td>
<td>36”</td>
<td>42”</td>
</tr>
<tr>
<td>Straight</td>
<td>4’-16’</td>
<td>4’</td>
<td>10’</td>
</tr>
<tr>
<td>Stair</td>
<td></td>
<td></td>
<td>10’</td>
</tr>
<tr>
<td>Crossover - Straight</td>
<td></td>
<td></td>
<td>10’</td>
</tr>
<tr>
<td>Crossover - Stair</td>
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<td>Single Chippendale - Straight</td>
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<tr>
<td>Chippendale - Stair</td>
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**Note:** Railing Support included with all 8’ - 10’ sections. 16’ Crossover Sections include two Railing Supports.
FALCON VINYL RAILING
FALCON BOXED RAILING

STANDARD BALUSTER
1-3/8" x 1-3/8" Square Vinyl
3-1/2" Baluster Spacing

“A” SERIES BALUSTER
1-3/8" x 1-3/8" Decorative Vinyl
3-1/2" Baluster Spacing
42" Balusters are Aluminum Reinforced

“B” SERIES BALUSTER
3/4" Round Aluminum
3-7/8" Baluster Spacing
See Page 1 for Baluster Colors

Note: Railing Support included with all 8’ - 10’ sections. 16’ Crossover Sections include two Railing Supports.

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<th>Length</th>
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<td>36”</td>
<td>Std A B</td>
</tr>
<tr>
<td>Straight</td>
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<tr>
<td>Chippendale - Stair</td>
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RAVEN VINYL RAILING
RAVEN BOXED RAILING

**STANDARD BALUSTER**
7/8” x 1-1/2” Rectangular Vinyl
2-7/8" Baluster Spacing

**“A” SERIES BALUSTER**
7/8” x 1-1/2” Decorative Vinyl
2-7/8" Baluster Spacing
42” Balusters are Aluminum Reinforced

**“B” SERIES BALUSTER**
3/4” Round Aluminum
3-7/8" Baluster Spacing
See Page 1 for Baluster Colors

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<table>
<thead>
<tr>
<th>Section Type</th>
<th>Length</th>
<th>Height</th>
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<td>Std A B</td>
</tr>
<tr>
<td>Straight</td>
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<tr>
<td>Stair</td>
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<td>Crossover - Straight</td>
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<tr>
<td>Crossover - Stair</td>
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<td>Not Available</td>
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Note: Railing Support included with all 7’ - 10’ sections. 14’ and 16’ Crossover Sections include two Railing Supports.

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CROSSOVER

Note: Railing Support included with all 7’ - 10’ sections. 14’ and 16’ Crossover Sections include two Railing Supports.
T-BIRD BOXED RAILING

STANDARD BALUSTER
1-3/8” x 1-3/8” Square Vinyl
3-1/2” Baluster Spacing

“A” SERIES BALUSTER
1-3/8” x 1-3/8” Decorative Vinyl
3-1/2” Baluster Spacing
42” Balusters are Aluminum Reinforced

“B” SERIES BALUSTER
3/4” Round Aluminum
3-7/8” Baluster Spacing
See Page 1 for Baluster Colors

Section Type
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<th>7’</th>
<th>8’</th>
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<th>10’</th>
<th>12’</th>
<th>14’</th>
<th>16’</th>
<th>36”</th>
<th>42”</th>
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<tr>
<td>Crossover - Straight</td>
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<tr>
<td>Crossover - Stair</td>
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<tr>
<td>Double Chippendale - Straight</td>
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<td>Chippendale - Stair</td>
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Note: Railing Support included with all 8’ - 10’ sections. 16’ Crossover Sections include two Railing Supports.
HIDDEN SCREW RAIL MOUNTS

STANDARD WALL MOUNTS:
1-4 pack is included inside each boxed railing section.
A 4 pack contains (2) top mounts, (2) bottom mounts, and screws.

STANDARD STAIR MOUNTS:
1-4 pack is included inside each boxed stair railing section.
A 4 pack contains (2) top mounts, (2) bottom mounts, and screws.
For Stair Racking information visit polyrail.com

OPTIONAL SPECIALTY MOUNTS:
These mounts are not included with boxed sections.
A 4 pack contains (2) top mounts, (2) bottom mounts, and screws.

8" AND 10" ROUND COLUMN ADAPTERS
Not Available in 6’

RAIL SUPPORTS
Level Rail
Standard Vinyl
“B” Series Aluminum
Top 45° Mount (factory pre-cut)
Bottom 45° Mount (factory pre-cut)
GATES & HARDWARE

**CARDINAL GATE**

**FALCON GATE**

**RAVEN GATE**

**T-BIRD GATE**

Matching gates available for each style of railing • Aluminum Reinforced Frame
Available in 36"W and 48"W openings • Special Width Gates Available Upon Request

<table>
<thead>
<tr>
<th>Baluster Style</th>
<th>36” x 36”</th>
<th>48” x 36”</th>
<th>36” x 42”</th>
<th>48” x 42”</th>
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<td>Standard Baluster</td>
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</tr>
<tr>
<td>“A” Series Baluster</td>
<td>•</td>
<td>•</td>
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<td>•</td>
</tr>
<tr>
<td>“B” Series Baluster</td>
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**RESIDENTIAL HINGE**

**RESIDENTIAL LATCH**

Mocha is available for select products. Please see individual product pages for availability.
VINYL POSTS SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>4&quot; Post Sleeve</th>
<th>5&quot; Post Sleeve</th>
<th>5&quot; Support Post</th>
<th>6&quot; Post Sleeve</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load Capacity</td>
<td>Non-Load Bearing w/o Wood Post</td>
<td>Non-Load Bearing w/o Wood Post</td>
<td>8' = 12,000 lb.</td>
<td>Non-Load Bearing w/o Wood Post</td>
</tr>
</tbody>
</table>
**POST MOUNTS**

### 4” INTERIM ADJUSTABLE ALUMINUM POST MOUNTS

Requires 4” (.160” Wall) Post Sleeve.

- Top View
  - Powder coated base plates resist corrosion and ACQ wood treatment.

- Angle Adjustment
  - Leveling Bolts

- Heavy-Duty
  - Standard

### TOP AND BOTTOM POST MOUNTS

- 5’ Top & Bottom Hurricane Mount for Square Support Post

- 4’ Top & Bottom Post Mount Plates

### 4” IBC AND IRC POST MOUNTS

#### IBC (HEAVY DUTY) POST MOUNTS:

- IBC Approved
- 3.69” Tube
- .060” Wall
- ½” x 5½” square plate with 8 fasteners
- Shims and leveling bolts included

#### IRC (STANDARD) POST MOUNTS:

- IRC Approved
- 3.69” Tube
- .060” Wall
- ¼” x 5½” square plate with 4 fasteners
- Shims and leveling bolts included

Requires 4” (.135” Wall) Post Sleeve

Note: 5” and 6” Post Mounts available. Contact Customer Service for information.
**“A” SERIES POSTS**

4” “A” Series Post

4” “A” Series Support Post

5” “A” Series Support Post

5” Victorian Support Post

“A” Series and Victorian Support Posts are Reinforced with Sturdy Aluminum

**“A” SERIES CAP**

“A” Series Decorative Post Caps are Easily Attached with Vinyl Adhesive

Cap is included with Post

**“A” SERIES FLAIRS**

4” Flair (1-piece)

5” decorative Flair (4-piece) Use with Decorative Support Posts

**“A” SERIES POST MOUNTS**

4” Top & Bottom Post Mount Plates

5” Top & Bottom Hurricane Mounts are Tested for High Wind Loads for 5” A Series Post

5” Top & Bottom Post Mount Plates

**“A” SERIES POSTS SPECIFICATIONS**

<table>
<thead>
<tr>
<th></th>
<th>4” “A” Series Post</th>
<th>4” “A” Series Support Post</th>
<th>5” “A” Series Support Post</th>
<th>5” Victorian Support Post</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heights</td>
<td>38”, 44”, 48”, 52”</td>
<td>9’</td>
<td>9’, 10’</td>
<td>9’</td>
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<tr>
<td>Load Capacity</td>
<td>Non-Load Bearing w/o Aluminum Post Mount</td>
<td>3,900 lb.</td>
<td>9’ = 8,400 lb.</td>
<td>9’ = 8,400 lb.</td>
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</table>
COLUMN CLAD VINYL POST WRAPS

COLUMN CLAD STYLES
The Wood Post Supplies Load Capacity
- Ratchets to Lock Together
- Wraps Over the Wood Post - No Screws Needed

COLUMN CLAD CAP
Column Clad Cap
4", 6"

COLUMN CLAD FLAIR
Column Clad Flair
(4-piece)
4", 6", 8"

COLUMN CLAD SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>4&quot; Smooth Column Clad</th>
<th>6&quot; Smooth Column Clad</th>
<th>4&quot; Fluted Column Clad</th>
<th>6&quot; Fluted Column Clad</th>
<th>8&quot; Fluted Column Clad</th>
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<tbody>
<tr>
<td><strong>Heights</strong></td>
<td>8'6&quot;, 10'</td>
<td>8'6&quot;, 10'</td>
<td>8'6&quot;, 10' (Special Order)</td>
<td>8'6&quot;, 10' (Special Order)</td>
<td>10' (Special Order)</td>
</tr>
<tr>
<td><strong>Load Capacity</strong></td>
<td>Non-Load Bearing w/o Wood Post</td>
<td>Non-Load Bearing w/o Wood Post</td>
<td>Non-Load Bearing w/o Wood Post</td>
<td>Non-Load Bearing w/o Wood Post</td>
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"B" SERIES ALUMINUM POSTS

"B" SERIES POSTS

See Page 1 for Available Colors.

"B" SERIES POSTS SPECIFICATIONS

<table>
<thead>
<tr>
<th>Heights</th>
<th>4” &quot;B&quot; Series Post Sleeve</th>
<th>4” &quot;B&quot; Series Post w/Plate</th>
<th>6” &quot;B&quot; Series Post w/Plate</th>
<th>4” &quot;B&quot; Series Support Post</th>
<th>6” &quot;B&quot; Series Support Post</th>
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<td>Actual ASD Load Bearing Capacity</td>
<td>Non-Load Bearing w/o Wood Post</td>
<td>Non-Load Bearing w/o Wood Post</td>
<td>Non-Load Bearing w/o Wood Post</td>
<td>8’ = 13,531 lb. 9’ = 12,751 lb. 10’ = 11,970 lb.</td>
<td>8’ = 16,543 lb. 9’ = 16,543 lb. 10’ = 16,543 lb.</td>
</tr>
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</table>

4” Post Sleeve (.065” wall)  
4” Post w/Plate (.090” wall)  
6” Post w/Plate (.090” wall)  
4” Support Post (.090” wall)  
6” Support Post (.090” wall)  

"B" SERIES CAPS

Flat Cap 4” & 6”  
Ball Cap 4”

"B" SERIES FLAIR

Post Flair (2-piece) 4” & 6”

"B" SERIES TIE DOWN BRACKET

Tie Down Bracket with Cover (Set of 2)
ADA COMPLIANT HANDRAIL

A variety of rail lengths and accessories complete this system. Available in 8’, 10’, & 16’ Rail Lengths. Available in all the colors shown on page 1.
We have tried to make this catalog comprehensive and factual. We reserve the right to discontinue at any time, without notice, colors, materials, equipment and availability. Since some information may have been updated since the time of printing, we are not responsible for typographical or pictorial errors. Materials shown may vary slightly from actual colors. ©Digger Specialties 4/18 99694