



# RAILING SYSTEM CATALOG

Sleek | Modern | Low Maintenance

## ABOUT AMERICAN STRUCTURES & DESIGN

AS&D is a premier US-based designer, manufacturer, and nationwide distributor of aluminum railing, balcony, sunshade, and patio cover systems.



## WHO WE SERVE

We are proud to serve dealers, professional fabricators, and installers across North America. For customers that are based in the Pacific Northwest, we offer will-call in our Portland, Oregon and Sumner, Washington facilities.

## UNRIVALED CUSTOMER SERVICE

As a family-owned manufacturer, we prioritize you and your company to reduce installation challenges so you can focus on bringing your customers' visions to life. Our experienced customer service team will assist you with takeoffs and line drawings, ensuring accurate designs and material orders. At AS&D, we're more than happy to assist you and your company each step of the way. There's nothing better than working and completing a project together.

OWNER AND HOMEOWNER BENEFITS

- Sleek and modern
- Durable
- Low maintenance
- Affordable
- Multiple infill options
- Various color choices



Commercial and residential applications

BUILDER BENEFITS

- Lightweight
- Easy to install
- Lower labor costs
- Simplified installation
- Affordable



ALUMINUM VS. TRADITIONAL STEEL

Ideal for both commercial and residential projects: aluminum is lightweight, strong, durable, and offers superior corrosion resistance. Virtually maintenance-free aluminum does not rust, rot, swell, or split, reducing cost of ownership.



AS&D Aluminum Railing System

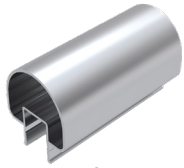


Traditional Steel

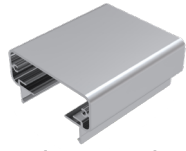
# MEET YOUR RAILING SYSTEM

Railing systems offer a host of design options. Getting to know the basic layout and component vocabulary can help you make choices together with your local representative.

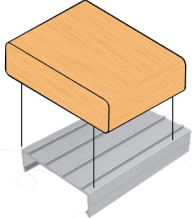
## A TOP RAIL STYLE



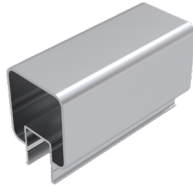
Round Top  
TR100



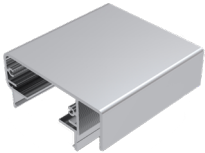
Flat Top\*  
TR200



Add-A-Top  
TR400



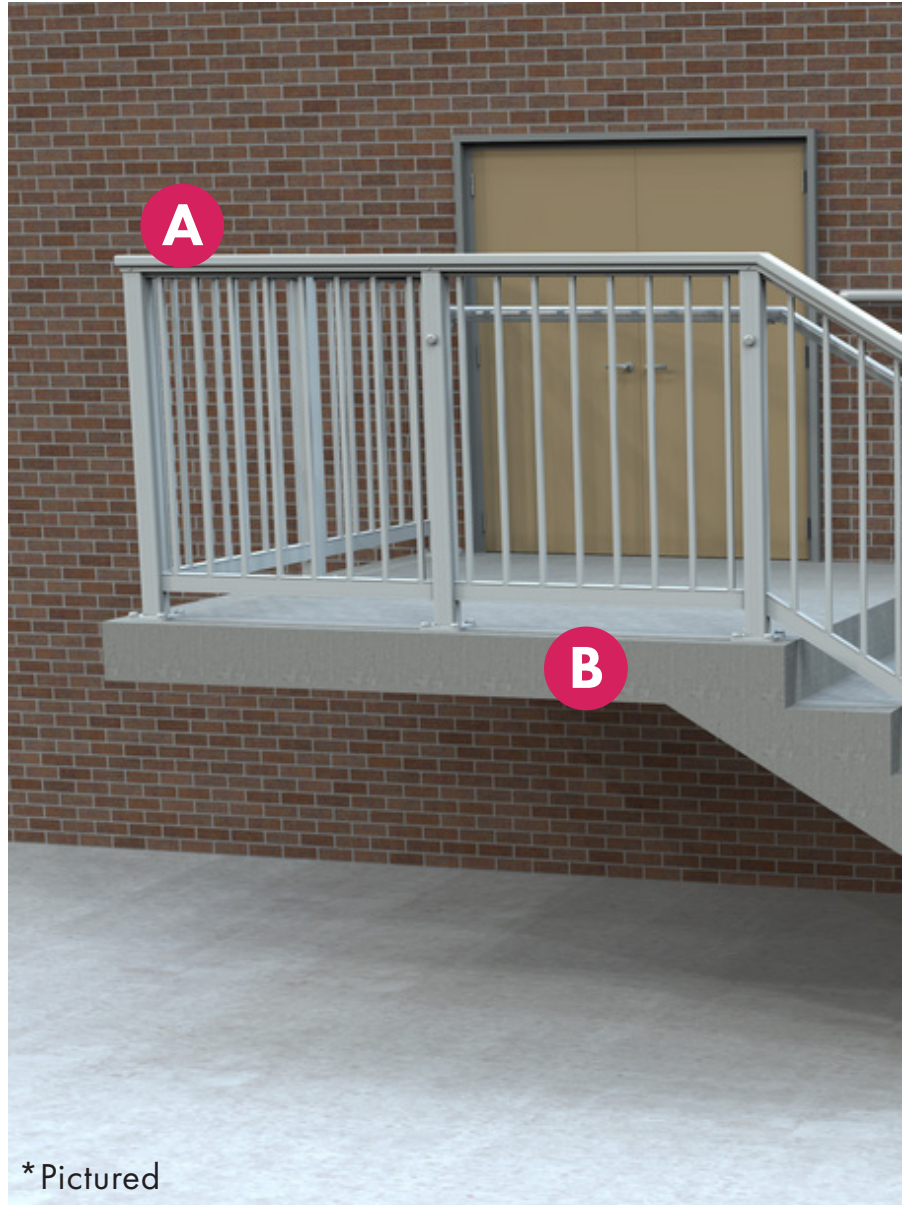
Square Top  
TR600



Flat Top  
TR800



Elliptical Top  
TR999

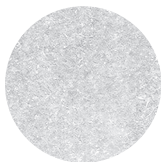


\* Pictured

## B MOUNTING SUBSTRATE



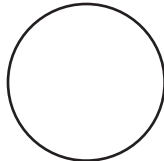
Wood



Concrete\*



Steel/  
Aluminum



Custom  
*Requires Prior  
Approval*

## FINISH COLORS



Black



White



Brown



Anodized\*  
(Stock)  
*Additional Cost  
Applies*



Custom  
Powder  
Coating  
*Additional Cost  
Applies*



### C INFILL OPTIONS



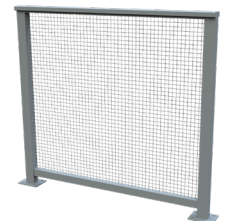
Glass



Picket\*



Cable



Perforated/  
Mesh

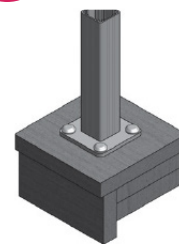


Midrail Design

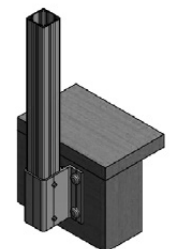


Horizontal Rail

### D MOUNTING STYLE



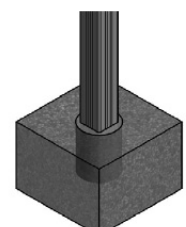
Surface Mount\*



Fascia Mount



Flush Mount

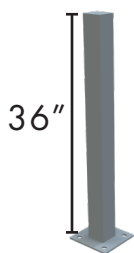


Core Mount

### POST HEIGHT

Residential

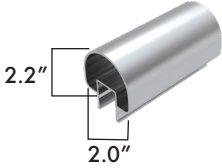
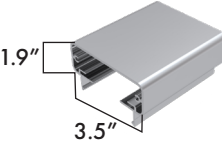
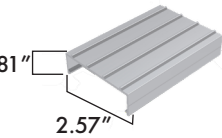
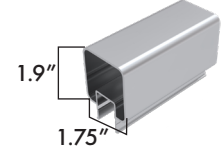
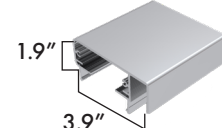
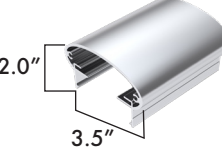
Commercial\*




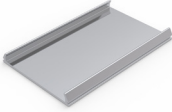
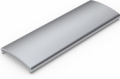
36"




42"

PART	PRODUCT DESCRIPTION	LENGTH	PART NO.
	Round Top TR100	5' 20'	RA-TR100
	Flat Top TR200	8' 20'	RA-TR200
	Add-A-Top TR400	8' 20'	RA-TR400
	Square Top TR600	5' 20'	RA-TR600
	Flat Top TR800	20'	RA-TR800
	Elliptical Top TR999	8' 20'	RA-TR999

# TOP RAIL INFILL




PART	PRODUCT DESCRIPTION	LENGTH	PART NO.
	Top Rail Infill for Picket and Glass	5' 20'	RA-IF
	Top Rail Flat Infill	5' 20'	RA-FI
	Spacer Picket Extrusion	3 3/8" 20'	RA-SPE

# BOTTOM RAIL

PART	PRODUCT DESCRIPTION	LENGTH	PART NO.
	Bottom Rail 100	5' 20'	RA-BR100





PART	PRODUCT DESCRIPTION	LENGTH	PART NO.
	Bottom Glass Vinyl	10'	RA-GV-BOT-120
	Top Glass Vinyl	10'	RA-GV-TOP-120
	Picket Vinyl	10'	RA-PV-120

## SURFACE MOUNT POST




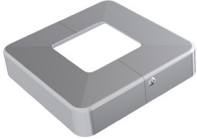
PART	PRODUCT DESCRIPTION	LENGTH	PART NO.	DRILLED HOLES
	135° Blank Surface Mount Post	34 7/8"	RA-P362-135Deg	Not Drilled
		36 3/8"	RA-P361-135Deg	
		40 7/8"	RA-P422-135Deg	
		42 3/8"	RA-P421-135Deg	
	135° Cable Intermediate Post Drilled for 1/8" and 3/16" dia. cable	34 7/8"	RA-P362-135Deg-CIP	10 Holes 3 3/16" o.c. for 36" Rail Height
		36 3/8"	RA-P361-135Deg-CIP	12 Holes 3 3/16" o.c. for 42" Rail Height
		40 7/8"	RA-P422-135Deg-CIP	
		42 3/8"	RA-P421-135Deg-CIP	
	Blank Surface Mount Post	34 7/8"	RA-P362	Not Drilled
		36 3/8"	RA-P361	
		40 7/8"	RA-P422	
		42 3/8"	RA-P421	





# SURFACE MOUNT POST (CONT.)

PART	PRODUCT DESCRIPTION	LENGTH	PART NO.	DRILLED HOLES
	Blank Surface Mount Post with 8-hole Base Plate	42 3/8"	RA-P421-CST	Not Drilled
	Cable Corner Post with 8-hole Base Plate Drilled for 1/8" dia. cable	34 7/8"	RA-P362-CCP	10 Holes 3 3/16" o.c. for 36" Rail Height
		36 3/8"	RA-P361-CCP	
		40 7/8"	RA-P422-CCP	12 Holes 3 3/16" o.c. for 42" Rail Height
		42 3/8"	RA-P421-CCP	
	Cable End Post with 8-hole Base Plate Drilled for 1/8" and 3/16" dia. cable	34 7/8"	RA-P362-CEP	10 Holes 3 3/16" o.c. for 36" Rail Height,
		36 3/8"	RA-P361-CEP	
		40 7/8"	RA-P422-CEP	12 Holes 3 3/16" o.c. for 42" Rail Height
		42 3/8"	RA-P421-CEP	
	Cable Intermediate Post Drilled for 1/8" and 3/16" dia. cable	34 7/8"	RA-P362-CIP	10 Holes 3 3/16" o.c. for 36" Rail Height
		36 3/8"	RA-P361-CIP	
		40 7/8"	RA-P422-CIP	12 Holes 3 3/16" o.c. for 42" Rail Height
		42 3/8"	RA-P421-CIP	



## BASE PLATE

PART	PRODUCT DESCRIPTION	DIMENSION	PART NO.
	4-Hole Base Plate	3/8" x 5" x 5"	RA-BP-5X5X.375
	8-Hole Base Plate	3/8" x 5" x 6"	RA-BP-5X5X.375-2
	4-Hole Slotted Base Plate	3/8" x 5" x 8"	RA-BP-SLOT-3.75X5X5
	Base Plate Cover Kit with 2 screws	5" x 5"	RA-BP-CVR-KIT

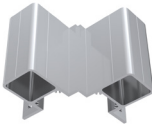


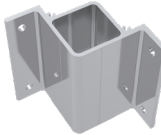
## 52" FASCIA MOUNT POSTS

PART	PRODUCT DESCRIPTION	LENGTH	PART NO.	DRILLED HOLES
	Fascia Mount Cable Corner Post Drilled for 1/8" dia. cable	52"	RA-P361-CCP	10 Holes 3 3/16" o.c. for 36" Rail Height
			RA-P362FM-CCP	
			RA-P421-CCP	12 Holes 3 3/16" o.c. for 42" Rail Height
			RA-P422FM-CCP	
	Fascia Mount Cable End Post Drilled for 1/8" dia. cable	52"	RA-P362FM-CEP	10 Holes 3 3/16" o.c. for 36" Rail Height
				12 Holes 3 3/16" o.c. for 42" Rail Height




## 52" FASCIA MOUNT POSTS (CONT.)

PART	PRODUCT DESCRIPTION	LENGTH	PART NO.	DRILLED HOLES
	Fascia Mount Cable Intermediate Post Drilled for 1/8" dia. cable	52"	N/A	10 Holes 3 3/16" o.c. for 36" Rail Height
				12 Holes 3 3/16" o.c. for 42" Rail Height
	Blank Fascia Mount Post	52"	RA-P422FM	To be Field Drilled







## FASCIA MOUNT BRACKETS


PART	PRODUCT DESCRIPTION	LENGTH	PART NO.
	1" Offset 90° Double Post Fascia Mount Bracket	6"	RA-FMB-90Deg
	1" Offset Intermediate Fascia Mount Bracket	6"	RA-FMB-INT
	1" Offset Outside Corner Fascia Mount Bracket	6"	RA-FMB-OC
	1" Offset Inside Corner Fascia Mount Bracket	6"	RA-FMB-IC

# FASCIA MOUNT BRACKET CAP





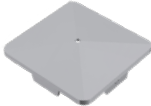
PART	PRODUCT DESCRIPTION	DIMENSION	PART NO.
	Inside Corner Fascia Mount Post Cover	N/A	RA-FMB-IC-CVR
	Intermediate Fascia Mount Post Cover	N/A	RA-FMB-INT-CVR
	Outside Corner Fascia Mount Post Cover	N/A	RA-FMB-OC-CVR

## END PLATE

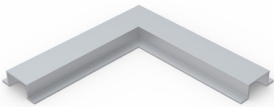
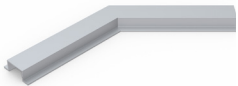
PART	PRODUCT DESCRIPTION	DIMENSION	PART NO.
	Round Top TR100 End Plate	N/A	RA-EP-100
	Flat Top TR200 End Plate Kit with 2 screws	N/A	RA-EP200-KIT
	Flat Top TR200 Extended End Plate Kit with 2 screws	N/A	RA-EXP200-KIT
	Square Top TR600 End Plate	N/A	RA-EP600
	Elliptical Top TR999 End Plate Kit with 2 screws	N/A	RA-EP999-KIT
	Elliptical Top TR999 Extended End Plate Kit with 2 screws	N/A	RA-EXP999-KIT

<b>PART</b>	<b>PRODUCT DESCRIPTION</b>	<b>LENGTH</b>	<b>PART NO.</b>
	Flat Top TR800 End Plate Kit with 2 screws	N/A	RA-EP800-KIT

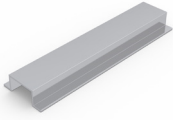
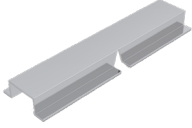
**POST CAPS AND FITTINGS**

<b>PART</b>	<b>PRODUCT DESCRIPTION</b>	<b>DIMENSION</b>	<b>PART NO.</b>
	Intermediate Post Fitting Kit with 4 screws	N/A	RA-IPF-KIT
	Pyramid Post Cap	N/A	RA-PC-2.375
	Flat Post Cap with Weep Hole Kit with 2 screws	N/A	RA-PC2-KIT
	135° Post Cap	N/A	RA-PC-135Deg
	Pyramid Post Cap with Weep Hole	N/A	RA-PC-WH-2.375





**SPLICE**


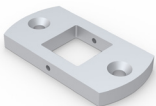


<b>PART</b>	<b>PRODUCT DESCRIPTION</b>	<b>LENGTH</b>	<b>PART NO.</b>
	90° Corner Internal Splice for TR200, TR800, TR999	9"	RA-SPL-90DEG
	135° Corner Internal Splice for TR200, TR800, TR999	9"	RA-SPL-135Deg

## SPLICE (CONT.)





PART	PRODUCT DESCRIPTION	LENGTH	PART NO.
	Internal Splice for TR200, TR800, TR999	9"	RA-SPL200
	Internal Stair Splice for TR200, TR800, TR999	9"	RA-SPLST

## ACCESSORIES





PART	PRODUCT DESCRIPTION	LENGTH	PART NO.	DRILLED HOLES
	Post Drill Template for 1/8" & 3/16" dia. cable	34 1/2" (10 Holes)	RA-PDT (Drill Template)	10 Holes 3 3/16" o.c for 36" Rail Height
		40 1/2" (12 Holes)		12 Holes 3 3/16" o.c for 42" Rail Height
	Post Infill / Stiffeners	10"	RA-PIF-010	N/A
		32"	RA-PIF-032	
		40"	RA-PIF-040	
	5/8" x 5/8" Picket	30 1/8"	RA-PT-.625X30.125	N/A
		36 1/8"	RA-PT-.625X36.125	
	3/4" x 3/4" Blank Cable Brace	42"	CH-CB-1	Not Drilled
		50"	CH-CB-2	

<b>PART</b>	<b>PRODUCT DESCRIPTION</b>	<b>LENGTH</b>	<b>PART NO.</b>	<b>DRILLED HOLES</b>
	3/4" x 3/4" Drilled Cable Brace Drilled for 1/8" & 3/16" dia. cable	42"	CH-CB-1D	12 holes, 3 1/8" o.c.
		50"	CH-CB-2D	Slotted, 3 1/8" o.c.
		42"	CH-CB-3D	10 holes, 3 3/16" o.c.
	Cable Brace Plate with 2 screws	N/A	CH-CBP-.75	N/A
	Polished Stainless Glass Clamp	2 3/16" x 2 3/16" x 1 3/8"	RS-GC-E21500000	N/A
	Brushed Stainless Glass Clamp	2 3/16" x 2 3/16" x 1 3/8"	RS-GC-E31500000	N/A





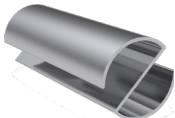
**FASTENERS AND ANCHORS**

<b>PART</b>	<b>PRODUCT DESCRIPTION</b>	<b>LENGTH</b>	<b>PART NO.</b>
	#10 SS Square Drive Tek	3/4"	FS-10X.75-PANSQTEK
	304SS Fully Threaded Hex Lag	3/8" x 5"	FS-3/8X5.00HEXLAG
		3/8" x 7"	FS-3/8X7.00HEXLAG
	#10 T304SS Phillips Drive Tek	2"	FS-10X2.00-PHILPANTEK
	#14 T304SS Hex Tek	1"	FS-14X1.00HEX-304SS


# FASTENERS AND ANCHORS (CONT.)

PART	PRODUCT DESCRIPTION	LENGTH	PART NO.
	18-8SS Wedge Anchor	3/8" x 3 3/8"	FS-WA-3/8X3.75-304
	Cup Washer for Bolt Head Cover	N/A	RA-CW-316SS
	Nylon Cap	N/A	RA-NC
	Rail Connector Block	1"	RA-RCB1-MIL





## GRAB RAIL COMPONENTS GUIDE

PART	PRODUCT DESCRIPTION	LENGTH	PART NO.
	Hand Rail Corner Termination	N/A	HA-CORTERM-1.75X90DEG
	Hand Rail End Plate	N/A	HA-EP-1.75
	Retaining Compound for Aluminum	N/A	HA-GLUE-638-10ML
			HA-GLUE-638-50ML
	1.75" diameter Tube Hand Rail	20'	HA-HRE-1.75
	Tube Hand Rail Splice	6"	HA-SPL-1.75X6



PART	PRODUCT DESCRIPTION	LENGTH	PART NO.
	2" Offset Handrail Wall Bracket	N/A	HA-WB-1.75

## GRAB RAIL CORNERS

PART	PRODUCT DESCRIPTION	LENGTH	PART NO.
	Hand Rail 30° Corner	N/A	HA-COR-1.75X30DEG
	Hand Rail 33° Corner	N/A	HA-COR-1.75X33DEG
	Hand Rail 90° Corner	N/A	HA-COR-1.75X90DEG
	Hand Rail Variable Degree Corner	N/A	HA-COR-1.75XVDEG

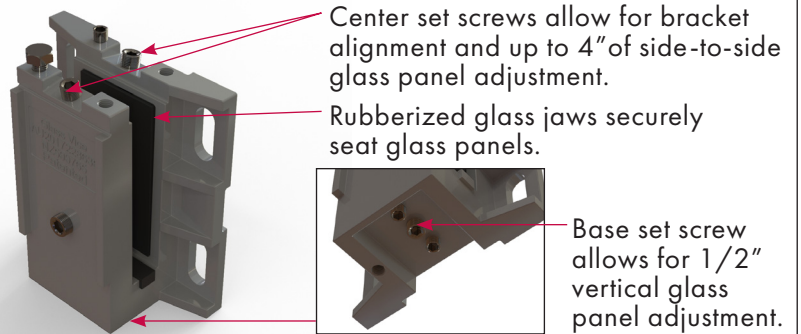
# MEET YOUR CLEARLINE SYSTEM



## A MAXIMUM ADJUSTABILITY

### Bracket

The robust stainless steel bracket offers double friction technology, is fully adjustable for both tempered and laminated glass, allowing for maximum glass panel widths.



### Fascia

Brackets can be concealed with either wood or two-part interlocking aluminum fascia. Aluminum fascia can be powder coated.



### Lighting System

A multi-part lighting system composed of a cable tray and minimalistic puck lights, creates a captivating night time visual display.

## GLASS SECURITY OPTIONS: Top Rail or H-Clamp



### Top Rail

The clean stainless steel top rail ensures a secure connection between glass panels and is an alternative to the H-Clamp.



### H-Clamp

The sleek H-Clamp ensures a secure connection between glass panels and can be installed as an alternative to top rail.

PART	PRODUCT DESCRIPTION	DIMENSION	MATERIAL	PART NO.
	Clearline Glass Rail Bracket	4 3/4" x 5 3/8"	Stainless Steel	RA-CL-01-316SS
<p>Clearline Cover package</p>   <p>Front Fascia      Lower Fascia</p>  <p>Cable Tray Cap</p>	Front Fascia 1 ea. @ 20'	7 5/16" x 240"	Select Color*	RA-CL-24-MIL
	Lower Fascia 2 ea. @ 10'	2 9/16" x 120"		
	Cable Tray Cap 1 ea @ 20'	1 7/8" x 240"		
	Cable Tray	3/4" x 18"	Select Color*	RA-CL-04-MIL
	Fascia End Plate	7 3/16" x 3 13/16" x 1/16"	Stainless Steel	RA-CL-25-MIL
	Handrail Bracket Glass-to-Glass	(Base) 2 5/16" x 3 1/2" (Arm)	Stainless Steel	RA-CL-26-POL
	H-Clamp Glass-to-Glass	1" x 3 3/16"	Stainless Steel	RA-CL-06-POL
	H-Clamp 90°	3" x 3" x 1"	Stainless Steel	RA-CL-08-POL
	H-Clamp 45°	1 3/16" x 1 3/16" x 1"	Stainless Steel	RA-CL-10-POL
	Slimline NANO Rail	1" x 3/4" x 228"	Stainless Steel	RA-CL-13-POL

\*Finish color selections page 4.

# CLEARLINE GLASS RAIL PARTS

PART	PRODUCT DESCRIPTION	DIMENSION	MATERIAL	PART NO.
	Top Glaze U Channel Rubber	Sold per foot	Black Rubber	RA-CL-14-BLK
	Top Rail Straight Splice Polished	7/8" x 4"	Stainless Steel	RA-CL-15-POL
	Top Rail 90° Splice Polished	7/8" x 3 3/16"	Stainless Steel	RA-CL-16-POL
	Top Rail End Cap Polished	7/8" x 3/4"	Stainless Steel	RA-CL-17-POL
	Top Rail Wall Plate Polished	1" x 1 1/4"	Stainless Steel	RA-CL-18-POL
	Top Rail Horizontal Splice Polished	N/A	Stainless Steel	RA-CL-19-POL
	Top Rail Vertical Splice Polished	N/A	Stainless Steel	RA-CL-20-POL
	Top Rail Extended Wall Plate Polished	1" x 3 3/16"	Stainless Steel	RA-CL-21-POL
	Single Bracket Cover Plate	5" x 6 1/4"	Select Color*	RA-CL-23-MIL

\*Finish color selections page 4.

## SPECIAL ORDER

The following parts are available as special order. Please contact your local AS&D representative for additional information and specifications.

PRODUCT DESCRIPTION	DIMENSION	MATERIAL	PART NO.
H-Clamp - Side Mounted Wall Termination	2 15/16" x 1 7/8"	Stainless Steel	RA-CL-07-POL
90° Corner Overlap - 1/2" Glass Max	N/A	Stainless Steel	RA-CL-09-POL
H-Clamp - 45° Side Fixed	N/A	Stainless Steel	RA-CL-11-POL
H-Clamp - Custom	Customer to provide size specifications*	Stainless Steel	RA-CL-12-POL

## CLEARLINE GLASS RAIL GALLERY



# RESIDENTIAL GALLERY



Top Rail Style: Add-A-Top TR400  
Infill: Cable



Top Rail Style: Elliptical Top TR999  
Infill: Glass



Top Rail Style: Flat Top TR200  
Gate and Stairs: Round Top TR100  
Infill: Picket



Top Rail Style: Flat Top TR200  
Stairs: Round Top TR100  
Infill: Picket



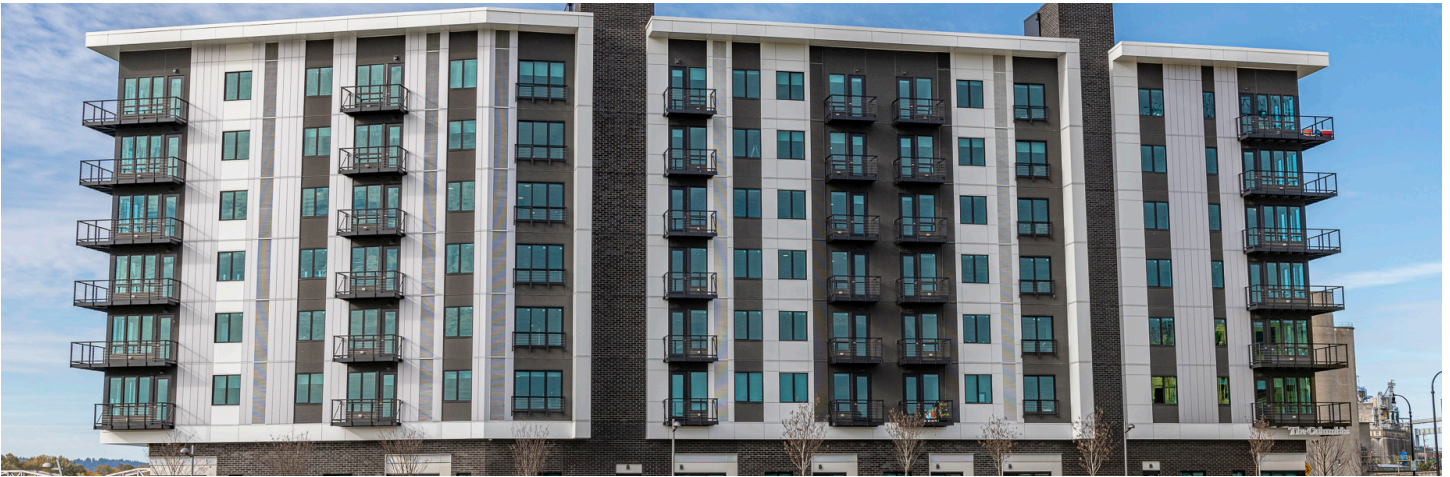
Top Rail Style: Flat Top TR200  
Infill: Cable



Top Rail Style: Flat Top TR200  
Infill: Picket



Craft your own slice of paradise with AS&D Railing Systems. View more inspiration at [americanstructures.com](http://americanstructures.com).



Situated at The Waterfront Vancouver, WA, Block 20 is outfitted with AS&D balconies and Flat Top TR200 railings with cable infill.



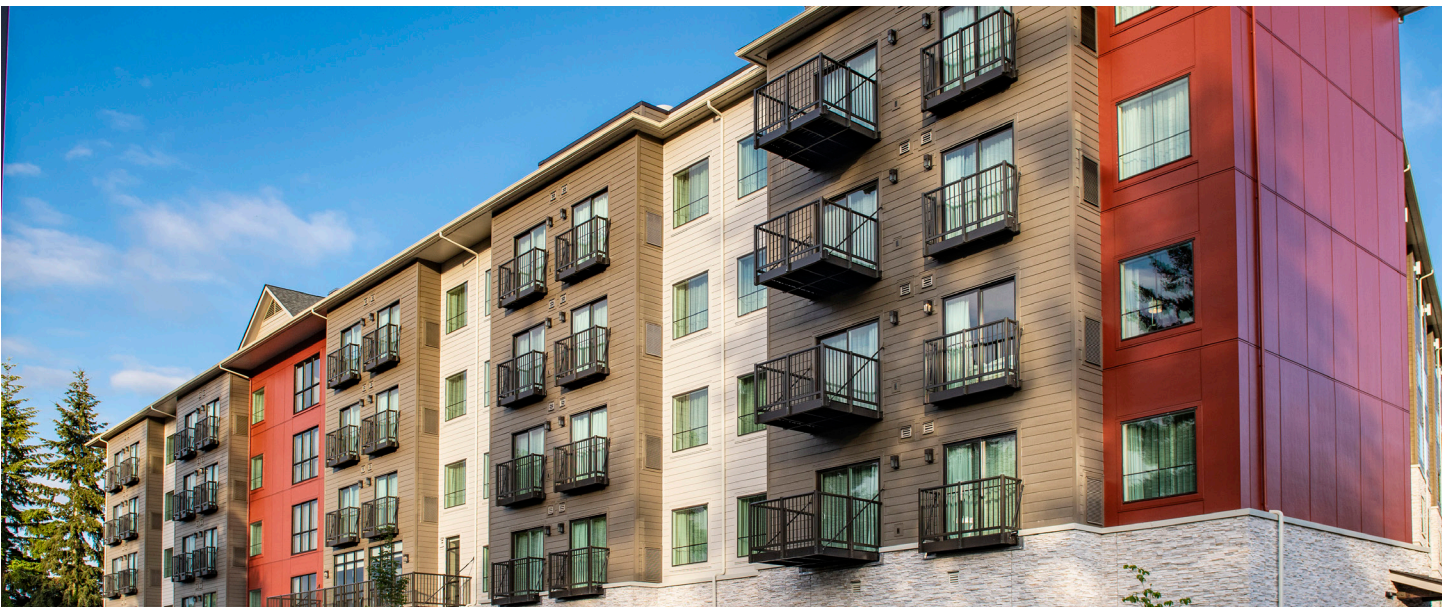
Railing: Flat Top TR200  
Infill: Picket  
Balcony: AS&D



Railing: Flat Top TR200  
Infill: Midrail with Glass



Railing: Flat Top TR200  
Infill: Cable  
Juliette Balcony: AS&D

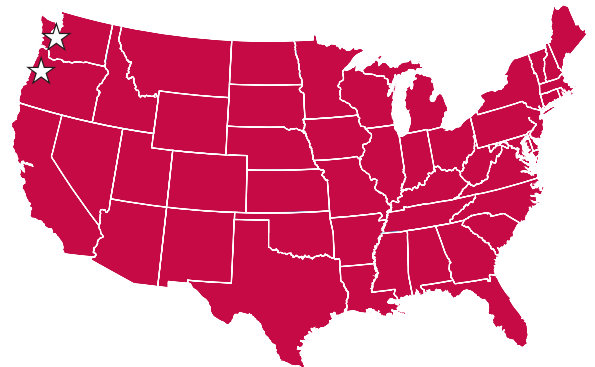


With a prime location on Angle Lake, near the busy Sea-Tac airport, the Residents Inn is accented with AS&D full size and juliette balconies, surrounded by Flat Top TR200 railing. View more commercial railing and balcony inspiration at [americanstructures.com](http://americanstructures.com).

## NOTES:

### TWO LOCATIONS TO SERVE YOU    NATIONWIDE DISTRIBUTION

With locations in both Sumner, Washington and Portland, Oregon, American Structures now serves two markets with the same level of expertise and service. Both locations offer will-call pick-up, takeoffs, and in-house product displays. Our knowledgeable customer service team are available to answer your technical questions.



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