



PATIO COVER CATALOG

Strength | Unmatched Protection | Stability

ABOUT AMERICAN STRUCTURES & DESIGN

AS&D is a premier US-based designer, manufacturer, and distributor of aluminum railing, balcony, sunshade, and patio cover systems. We sell exclusively to dealers, distributors, and wholesalers in the residential and commercial construction industries.



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 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.

STUNNING SPACES AND MINIMAL UPKEEP

At AS&D, we pride ourselves in offering great patio cover options for everyone. Mix and match panel types, colors, lattice wrap, and accessories to customize an outdoor space that meets your unique needs while offering high quality UV and rain protection. Our products and design can be applied in multiple settings, including outdoor living spaces, hot tub covers, car ports, and more! With affordable price points, quick installation from experienced crews, and low-maintenance aluminum post structures, we guarantee a patio solution that is both functional and attractive.

ROOF PANEL TYPES

V-Pan



Flat Pan



Insulated



PolyPanel



Lattice Pergola



STANDARD FEATURES

- Strong, durable aircraft grade aluminum
- Minimal long-term maintenance
- Withstands inclement weather and snow loads
- Easy-to-clean gutter system with 3 1/2" opening
- Multiple finish colors
- Varied price points

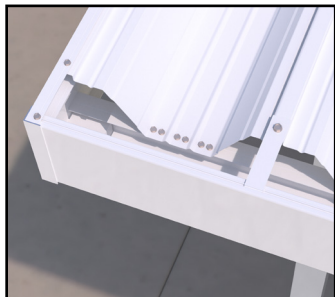


ROOF PANEL OVERVIEW

Our V-Pan, Flat Pan, and Insulated Roof Panels each bring unique strengths to your patio design. Our most affordable option, V-Pan, offers a simple no-nonsense design. The Flat Pan provides a sleek, refined shape and supports design details such as ceiling fans and lighting. Our Insulated Panels boast a laminated all-weather foam core with multiple thickness options that can easily convert to an enclosed outdoor space.

Framework Parts and Hardware:

Panel connection to gutter, gutter clip to panel using a corner



Support System

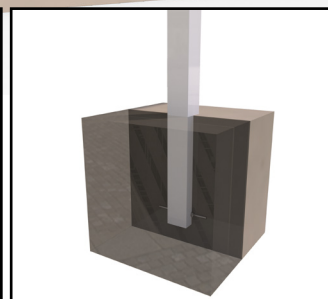
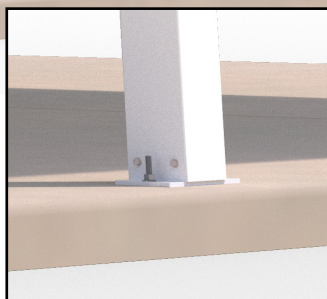
Parts and I-Beam:

Panel connection to I-Beam, post and bracket connection to I-Beam



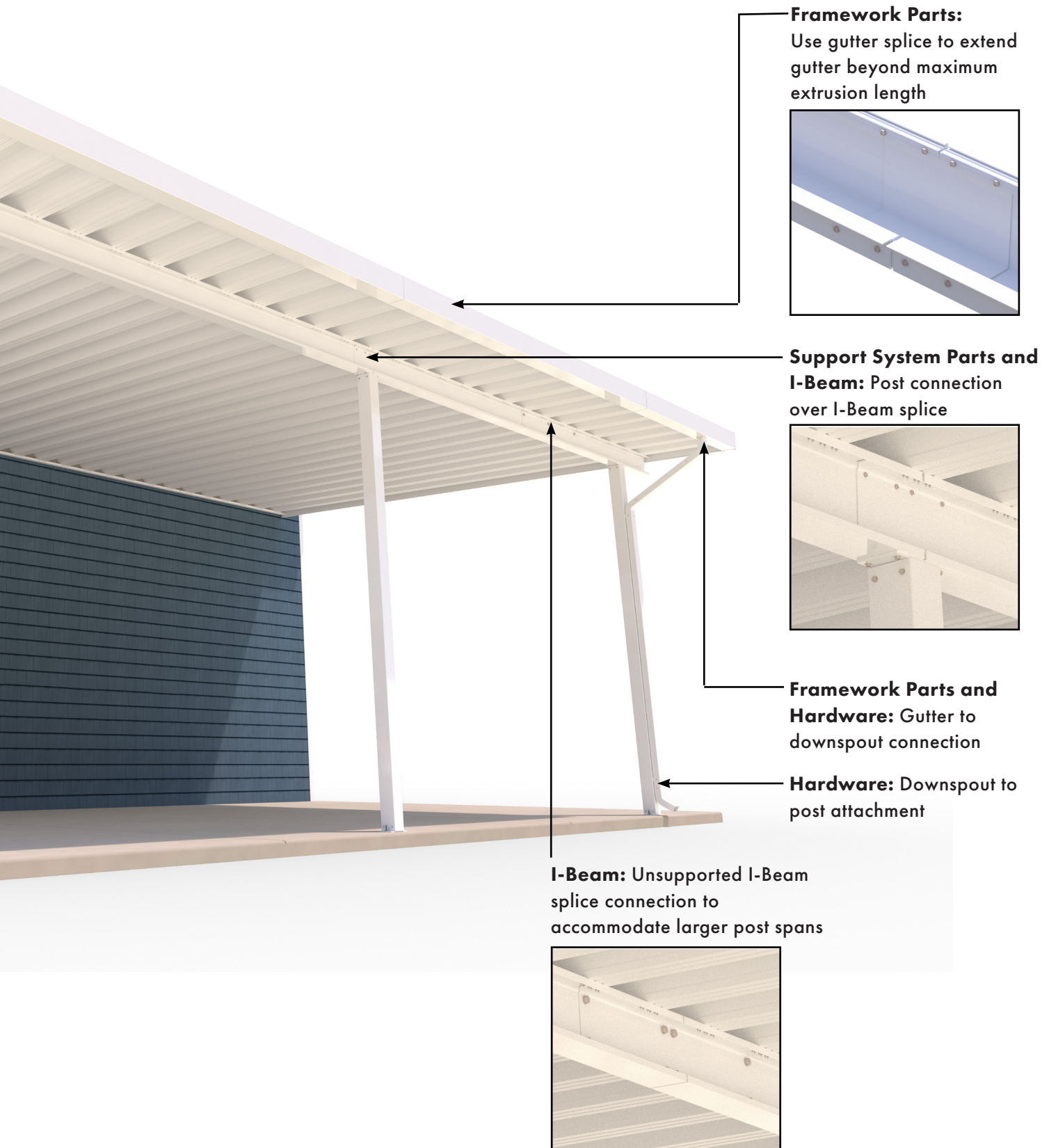
Framework Parts:

Hanger and hanger rail attached to structure and panel attachment to hanger



Surface mount to concrete

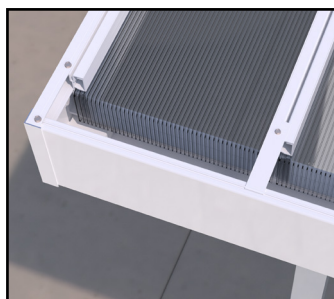
Optional: post in concrete footing



POLYPANEL OVERVIEW

Our most elegant panel option, PolyPanel, offers a classy skylight effect for your outdoor space. Enjoy the natural light of your patio or balcony while protecting against inclement weather and harmful UV rays. Available in three striking colors (bronze, clear, and white), our PolyPanel option will bring your design dreams to life and create an inviting space for hosting gatherings or relaxing on your own.

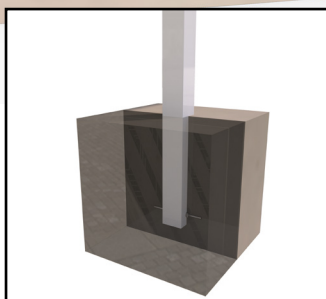
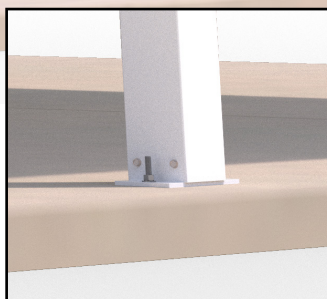
Framework Parts and Hardware: T-bar and snap bead connection to gutter, gutter clip to T-bar



Support System Parts and I-Beam: Post to beam connection

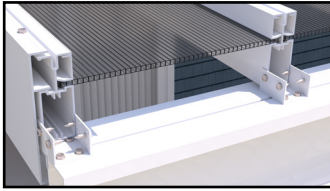


Framework Parts: Hanger and hanger rail attached to structure. T-bar attachment and hanger snap bead to hanger.

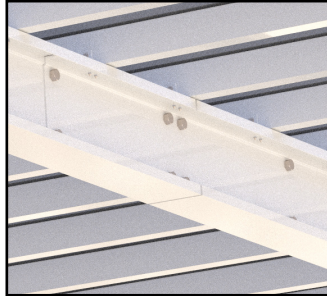


Surface mount to concrete *Optional: post in concrete footing*

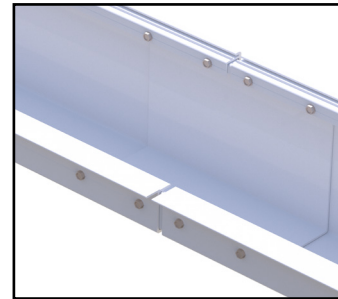
Support System Parts and I-Beam: T-bar to I-Beam connection



I-Beam: Unsupported I-Beam splice connection to accommodate larger post spans



Framework Parts:
Use gutter splice to extend gutter beyond maximum extrusion length



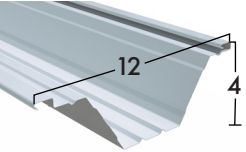
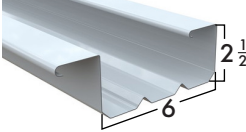
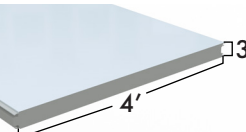
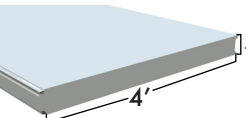
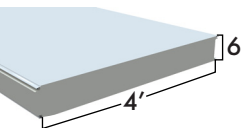
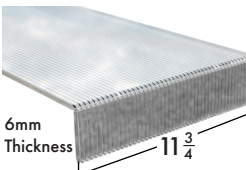
Framework Parts and Hardware: Gutter to downspout connection

Hardware: Downspout to post attachment

Support System Parts and I-Beam: Post connection over I-Beam splice

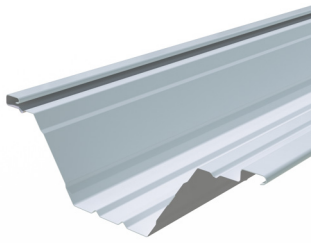


ROOF PANELS

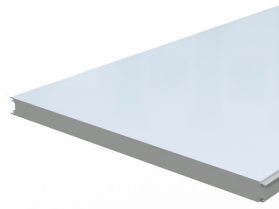
PART	PRODUCT DESCRIPTION	MATERIAL	LENGTH	GAUGE OR COLOR	PART NO.
	4" V-Pan, White	Roll-form Aluminium	Cut to Length	.024 ga	PC-VP4-024-INCHES-WHT
				.032 ga	PC-VP4-032-INCHES-WHT
				.040 ga	PC-VP4-040-INCHES-WHT
	6" Flat Pan, White ¹	Roll-form Aluminium	Cut to Length	.024 ga	PC-FPT6-024-INCHES-WHT
				.032 ga	PC-FPT6-032-INCHES-WHT
				.040 ga	PC-FPT6-040-INCHES-WHT
	3" Insulated, White ²	Aluminum Skin Foam Core	Cut to Length	.024 ga	PC-IP3-024XINCHES-WHT
				.032 ga	PC-IP3-032XINCHES-WHT
	4 1/4" Insulated, White ²	Aluminum Skin Foam Core	Cut to Length	.032 ga	PC-IP4.25-032XINCHES-WHT
	6" Insulated, White ²	Aluminum Skin Foam Core	Cut to Length	.032 ga	PC-IP6-032XINCHES-WHT
	11 3/4" x 6mm Polypanel	Polycarbonate	Cut to Length	Bronze	PC-PP6-11.75XINCHES-BRZ
				Clear	PC-PP6-11.75XINCHES-CLR
				White	PC-PP6-11.75XINCHES-WHT

* Finish color selections page 9

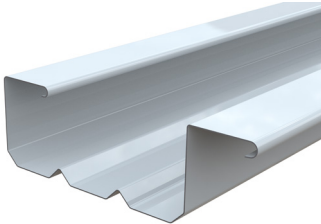
Note: PART dimensions are displayed in inches unless stated otherwise.



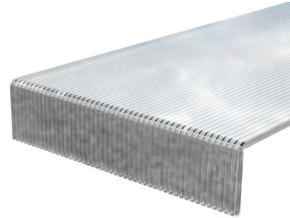
V-Pan: Great quality and value at an affordable price point. The largest span in the industry, up to 20', at a 25lb snow load.



Insulated: All-weather insulated system with three foam core thickness options: 3", 4 1/4", 6". Easily converts to an enclosed outdoor space and supports ceiling-mounted accessories.



Flat Pan: Offers a sleek, refined aesthetic, and boasts a 19' span at a 25lb snow load. Add ceiling-mounted accessories for the optimum outdoor experience.



PolyPanel: Elegant "skylight" polycarbonate panels allow light in, while keeping weather and harmful UV-rays out. Create striking designs with three color choices (bronze, clear, white).

ROOF PANEL QUICK OVERVIEW

FEATURES	V-Pan	Flat Pan	Insulated	PolyPanel
Spans from house to gutter/beam	20'	19'	10'-20'	20'
UV and rain protection				
Accommodates snow loads				
Supports ceiling fans, track or recessed lighting				
Low maintenance aluminum components				
Investment	\$	\$\$	\$\$\$	\$\$\$\$

Important Note: It is the customer's responsibility to check local building codes for snow load and wind uplift requirements. Customers must also secure appropriate building permits and any additional site-specific engineering. Contact an AS&D sales representative for standard engineering documentation.

FINISH COLORS

Finish colors shown are printed reproductions. Visit americanstructures.com to order finish color samples.

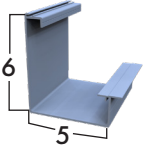
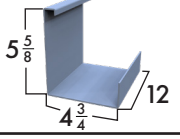
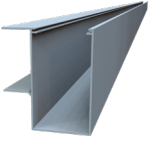
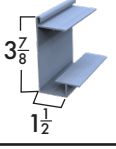
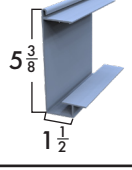
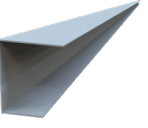
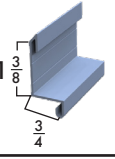
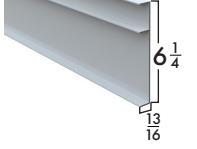
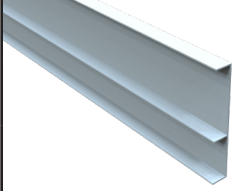


V-Pan										●			
Flat Pan	○	○	○	○	○	○	○	○		●			
Insulated	○	○	○			○				●			
PolyPanel											●	●	●
Lattice Wrap	●	●	●	●	●	●	●	●	●	●			

● Standard colors

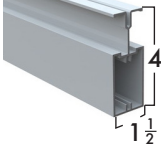
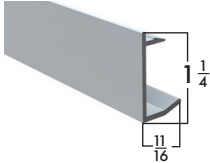
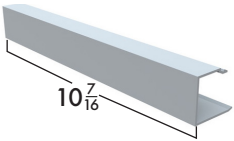
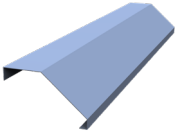
○ Special colors additional upcharges may apply

FRAMEWORK PARTS

PART	PRODUCT DESCRIPTION	MATERIAL	COLOR	LENGTH	PART NO.
	Gutter - Smooth	Extruded Aluminium	White	16'	PC-G2-193-WHT
				20'	PC-G2-241-WHT
				24'	PC-G2-289-WHT
	Gutter Splice	Extruded Aluminium	White	1'	PC-GS-2-12-WHT
	3" Insulated Gutter (Required with Insulated Panel)	Extruded Aluminium	Choose your color	16'	PC-DDIRG3X192-WHT
				20'	PC-DDIRG3X240-WHT
				24'	PC-DDIRG3X288-WHT
	2 1/2" Hanger	Extruded Aluminium	White	20'	PC-H2.5-240-WHT
	4" Hanger	Extruded Aluminium	White	20'	PC-H4-2-241-WHT
				24'	PC-H4-2-289-WHT
	3" Insulated Hanger (Required with Insulated Panel)	Extruded Aluminium	Choose your color	16'	PC-IRH3X192-WHT
				20'	PC-IRH3X240-WHT
				24'	PC-IRH3X288-WHT
	Hanger Rail	Extruded Aluminium	White	20'	PC-HR-2-241-WHT
				24'	PC-HR-2-289-WHT
	Side Fascia - Smooth	Extruded Aluminium	White	20'	PC-SF-245-WHT
				24'	PC-SF-293-WHT
	3" Insulated Side Fascia (Required with Insulated Panel)	Extruded Aluminium	Choose your color	16'	PC-DDIRSF3X204-WHT
				20'	PC-DDIRSF3X252-WHT
				24'	PC-DDIRSF3X300-WHT

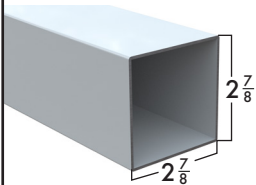
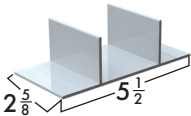
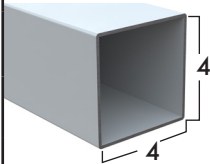
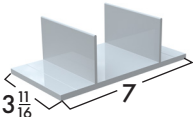
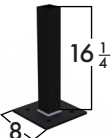
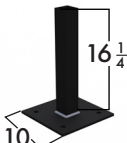
* Finish color selections page 9

Note: PART dimensions are displayed in inches unless stated otherwise.

PART	PRODUCT DESCRIPTION	MATERIAL	COLOR	LENGTH	PART NO.
	4" T-Bar <i>(Required with Polypanel)</i>	Extruded Aluminium	White	20'	PC-TB4-241-WHT
				24'	PC-TB4-289-WHT
	T-Bar Snap Bead <i>(Required with Polypanel)</i>	Extruded Aluminium	White	20'	PC-TBSB-241-WHT
				24'	PC-TBSB-289-WHT
	Hanger Snap Bead <i>(Required with Polypanel)</i>	Extruded Aluminium	White	10 ⁷ / ₁₆ "	PC-HSB-10.4375-WHT
	Transitional Flashing	Steel	White	10'	PC-TBF-1-WHT

*Finish color selections page 9

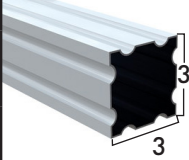
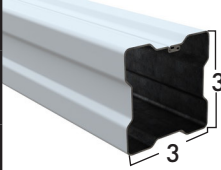
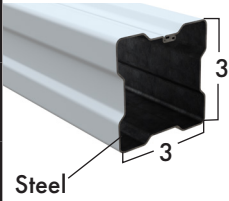
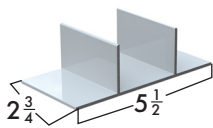
Note: PART dimensions are displayed in inches unless stated otherwise.

PART	PRODUCT DESCRIPTION	MATERIAL	GAUGE OR COLOR	LENGTH	PART NO.
	3" x 3" Smooth Post	Extruded Aluminium	White	8'	PC-P3-96-WHT
				10'	PC-P3-120-WHT
				12'	PC-P3-144-WHT
				14'	PC-P3-168-WHT
				16'	PC-P3-192-WHT
				20'	PC-P3-240-WHT
				24'	PC-P3-288-WHT
	3" Smooth Post Bracket	Extruded Aluminium	White	2 5/8"	PC-PB3-2.625-WHT
	4" x 4" Smooth Post	Extruded Aluminium	White	8'	PC-P4-196-WHT
				10'	PC-P4-120-WHT
				12'	PC-P4-144-WHT
				14'	PC-P4-168-WHT
				20'	PC-P4-240-WHT
				24'	PC-P4-288-WHT
	4" Smooth Post Bracket	Extruded Aluminium	White	3 11/16"	PC-PB4-3.6875-WHT
	8" x 8" Freestanding Base Plate	Steel	Black	8" x 8"	PC-88SBP-BLK
	10" x 10" Freestanding Base Plate	Steel	Black	10" x 10"	PC-10SBP-BLK

*Finish color selections page 9

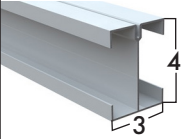
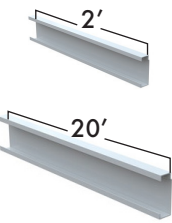
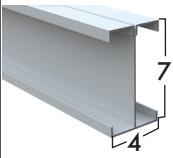
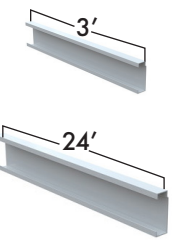
Note: PART dimensions are displayed in inches unless stated otherwise.

SUPPORT SYSTEM PARTS (CONT.)

PART	PRODUCT DESCRIPTION	MATERIAL	GAUGE OR COLOR	LENGTH	PART NO.
	3" x 3" Mag Post	Extruded Aluminium	White	8'	PC-MPW-8-WHT
				10'	PC-MPW-10-WHT
				12'	PC-MPW-12-WHT
				14'	PC-MPW-14-WHT
				20'	PC-MPW-20-WHT
				24'	PC-MPW-24-WHT
	3" x 3" Lockseam Post	Roll-form Aluminium	White	8'	PC-8FP-WHT
				10'	PC-10FP-WHT
				12'	PC-12FP-WHT
				20'	PC-20FP-WHT
				24'	PC-24FP-WHT
	3" x 3" Lockseam Post	Roll-form Steel	18 ga. White	8'	PC-8SPSW-WHT
				10'	PC-10SPSW-WHT
				12'	PC-12SPSW-WHT
				14'	PC-14SPSW-WHT
				16'	PC-16SPSW-WHT
				20'	PC-20SPSW-WHT
				24'	PC-24SPSW-WHT
	3" Mag Post Bracket (For Mag and Lockseam Posts)	Extruded Aluminium	White	2 3/4"	PC-3FMPB-WHT

* Finish color selections page 9

Note: PART dimensions are displayed in inches unless stated otherwise.

PART	PRODUCT DESCRIPTION	MATERIAL	GAUGE OR COLOR	LENGTH	PART NO.
	4" I-Beam	Extruded Aluminium	White	16'	PC-IB4-193-WHT
				20'	PC-IB4-241-WHT
				24'	PC-IB4-289-WHT
	4" I-Beam Splice	Extruded Aluminium	White	2'	PC-IBS4-24-WHT
				20'	PC-IBS4-241-WHT
	7" I-Beam	Extruded Aluminium	White	16'	PC-IB7-193-WHT
				20'	PC-IB7-241-WHT
				24'	PC-IB7-289-WHT
	7" I-Beam Splice	Extruded Aluminium	White	3'	PC-IBS7-36-WHT
				24'	PC-IBS7-289-WHT

* Finish color selections page 9

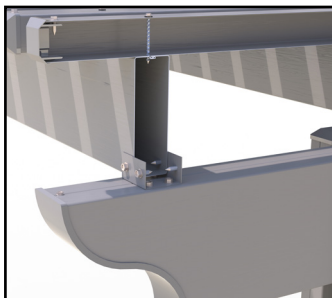
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LATTICE PERGOLA OVERVIEW

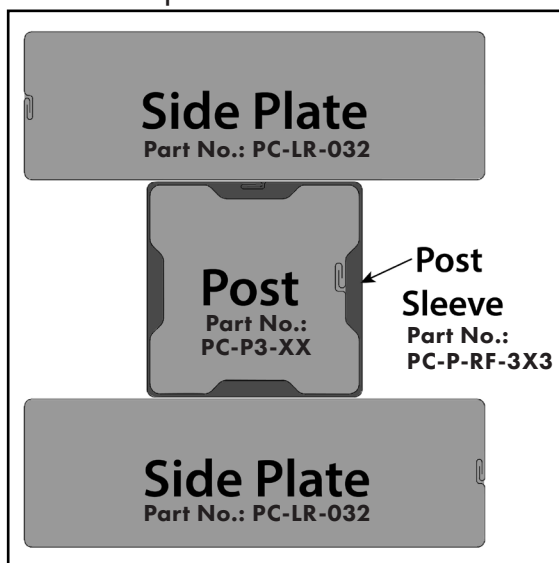
Add shade and sophistication to your backyard, garden, or patio space with our Lattice Pergola design option. Perfect for locations with minimal rain, the Lattice Pergola design reduces direct sunlight exposure up to 60%. The structure's pillars and cross beams are finished with baked enamel in nine color options. Built with sturdy, lightweight aluminum, they do not rot, swell, twist, or fade over time, making for easy and affordable maintenance.

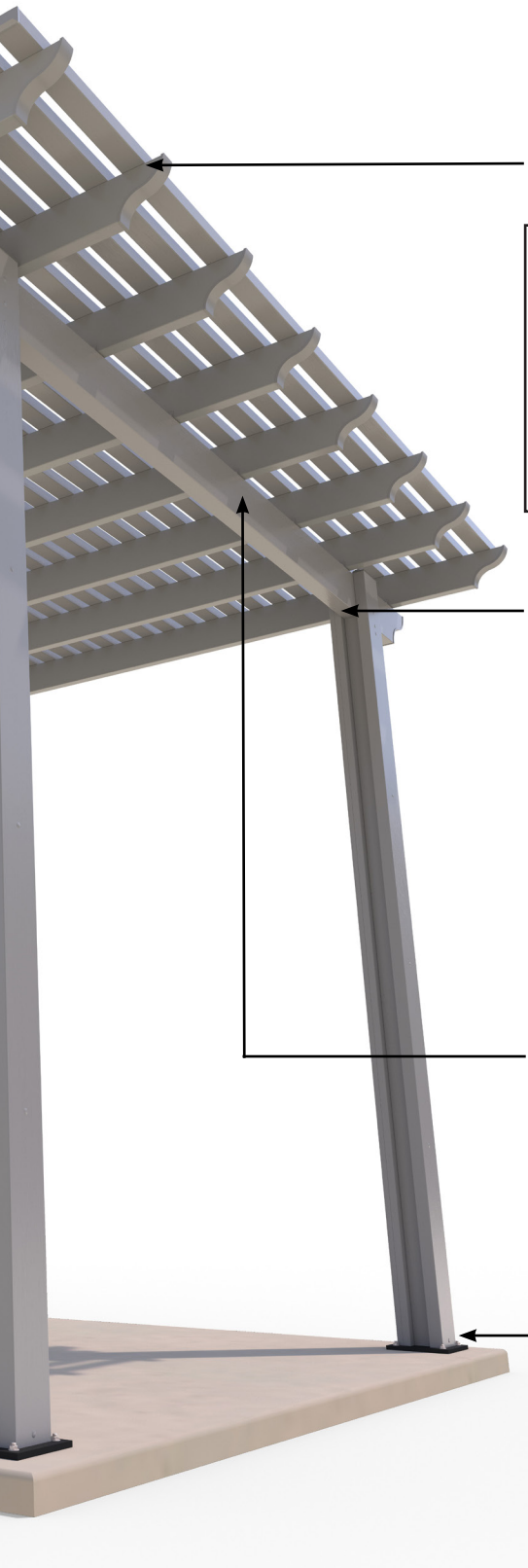
Lattice Parts: —————→
2" x 3" lattice tubes with
end cap. Other size options
available: 2"x 2" and 3"x 3"

Lattice Parts: —————→
Tube-to-rafter, rafter-to
beam connection



Support System Parts —————→
and Lattice Parts:
3" smooth post with sleeve
and 2"x 6" lattice rafters
used as side plates

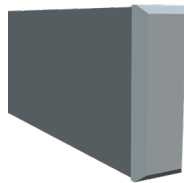




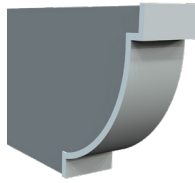
Lattice Parts:

Lattice rafter with scallop end cap

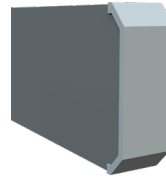
Other end cap profiles available:



Bevel



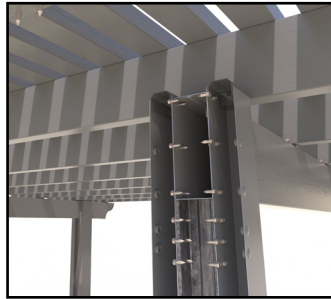
Corbel



Miter

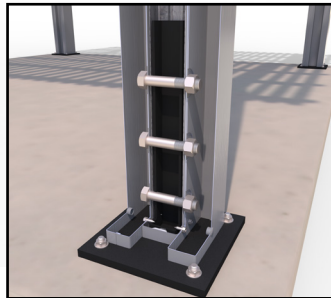
Lattice Parts and Support System:

Post-to-beam connection

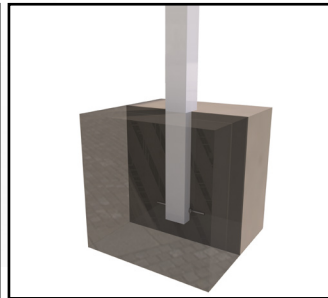


Lattice Parts:

3" x 8" lattice beam with optional end caps



Surface mount to concrete



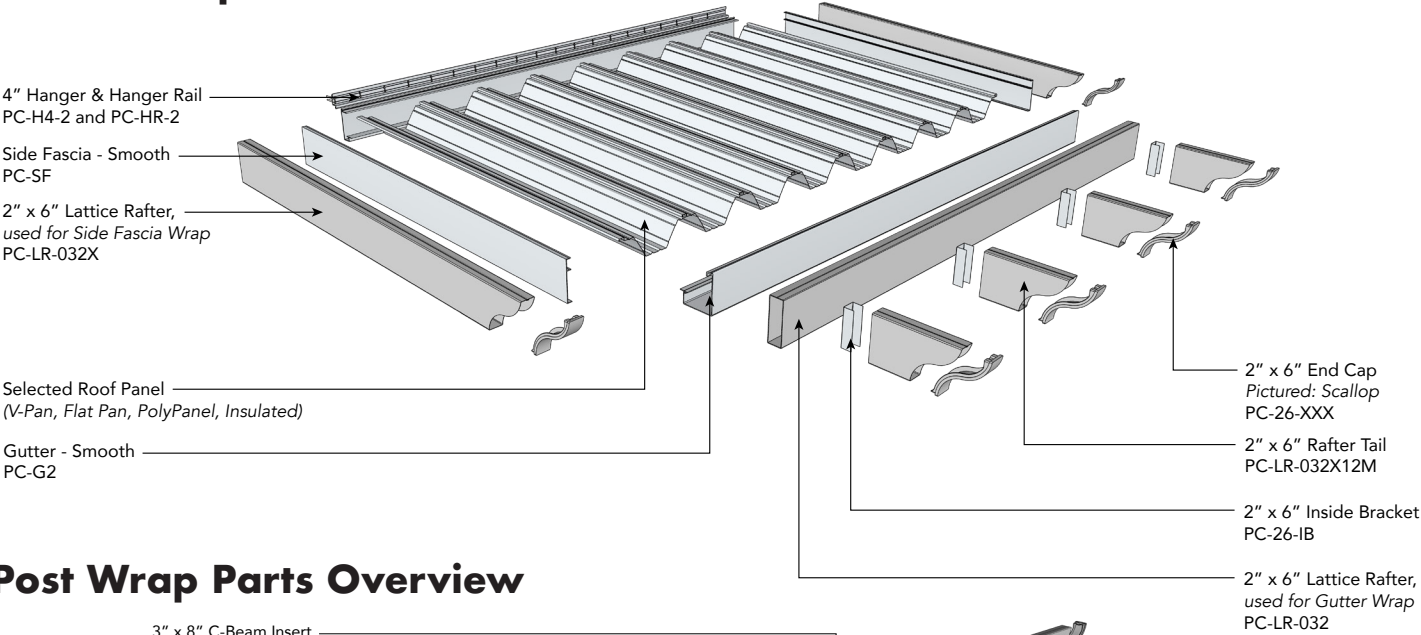
Optional: post in concrete footing

Overview

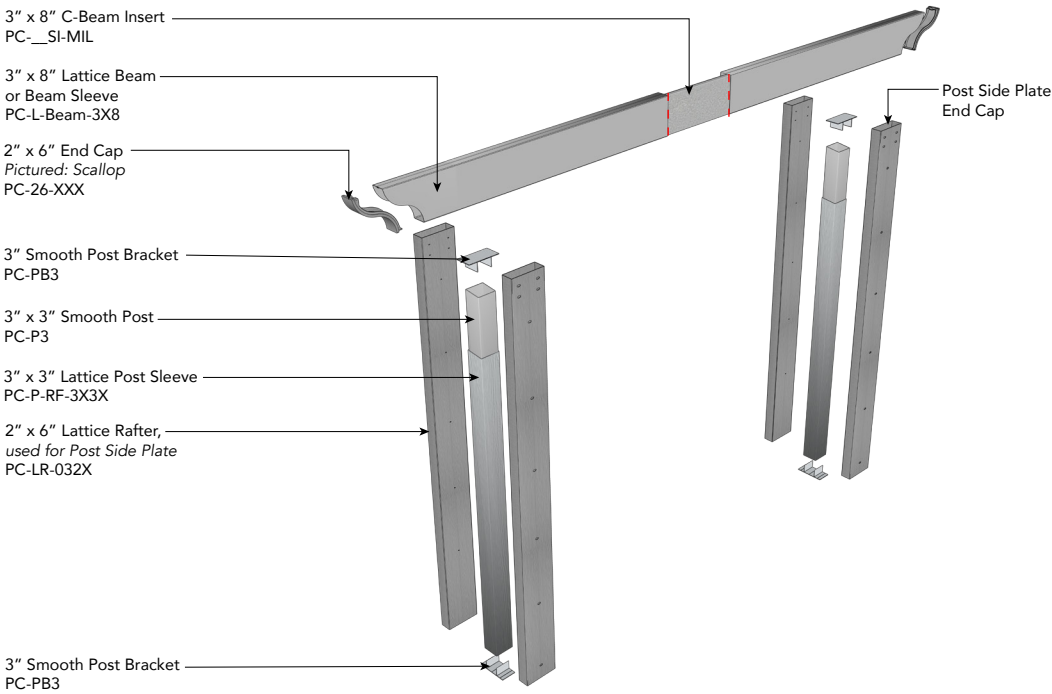
Lattice Wrap is an optional, non-structural, aesthetic upgrade. The methods of installation described in these instructions are best practices. The finished design can be modified depending on each individual's desired look.

Lattice Wrap End Cut Options:				
Lattice Wrap Part:	Scallop	Miter	Corbel	Bevel
Side Fascia Wrap	X	X	X	X
Rafter Tails	X	X	X	X
Lattice Beam or Beam Sleeve	X	X	X	X
Post Side Plates		X		X

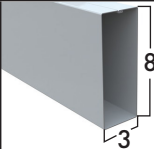
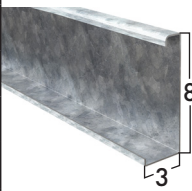
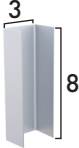
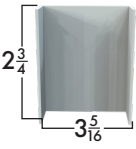
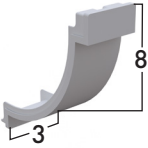
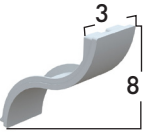
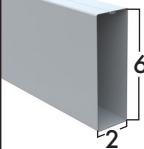
Lattice Wrap Parts Overview



Post Wrap Parts Overview



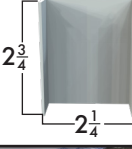
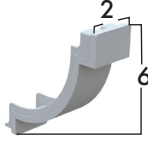
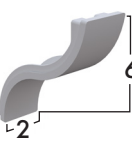
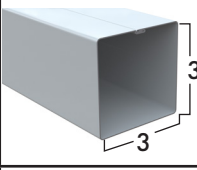
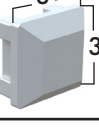
LATTICE PARTS

PART	PRODUCT DESCRIPTION	MATERIAL	GAUGE OR COLOR	LENGTH	PART NO.
	3" x 8" Lattice Beam or Beam Sleeve	Roll-form Aluminium	.042 Select Color*	Cut to Length	PC-L-BEAM-3x8
	3" x 8" C-Beam Insert	Steel	12 ga	24'	PC-2412SI-MIL
				32'	PC-3212SI-MIL
			14 ga	16'	PC-16SI-MIL
				20'	PC-20SI-MIL
				24'	PC-24SI-MIL
				32'	PC-32SI-MIL
	3" x 8" Inside Bracket for Beam	Extruded Aluminium	Mill Finish	N/A	PC-38IB-MIL
	3" x 8" Outside Bracket	Extruded Aluminium	Select Color*	N/A	PC-38OB
	3" x 8" Bevel End Cap	Plastic	Select Color*	N/A	PC-38BEC
	3" x 8" Corbel End Cap	Plastic	Select Color*	N/A	PC-38CEC
	3" x 8" Miter End Cap	Plastic	Select Color*	N/A	PC-38MEC
	3" x 8" Scallop End Cap	Plastic	Select Color*	N/A	PC-38SEC
	2" x 6" Lattice Rafter, used for Post Side Plate, Gutter Wrap, Side Fascia Wrap	Roll-form Aluminium	.032 ga Select Color*	Cut to Length	PC-LR-032

*Finish color selections page 9

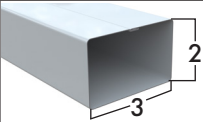
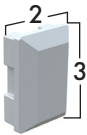
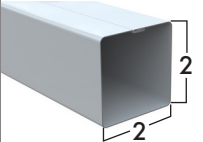
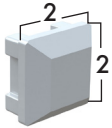
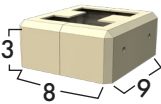
Note: PART dimensions are displayed in inches unless stated otherwise.

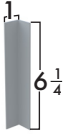
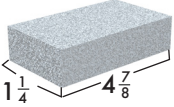
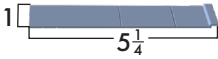
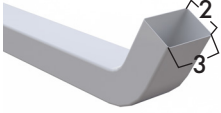
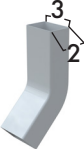
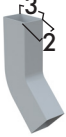
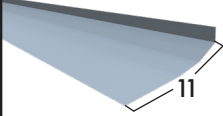
LATTICE PARTS (CONT.)

PART	PRODUCT DESCRIPTION	MATERIAL	GAUGE OR COLOR	LENGTH	PART NO.
	2" x 6" Inside Bracket	Extruded Aluminium	Mill Finish	N/A	PC-26IB-MIL
	2" x 6" Outside Bracket	Extruded Aluminium	Select Color*	N/A	PC-26OB
	2" x 6" Side Plate Foam	Foam	White	8'	PC-SPF-WHT
	2" x 6" Rafter Tail Rafter tail end is factory cut to desired end cap profile Pictured: Scallop	Aluminum	0.32 ga Select Color*	12"	PC-LR-032X12[INITIAL OF END CUT]-[COLOR]
	2" x 6" Bevel End Cap	Plastic	Select Color*	N/A	PC-26BEC
	2" x 6" Corbel End Cap	Plastic	Select Color*	N/A	PC-26CEC
	2" x 6" Miter End Cap	Plastic	Select Color*	N/A	PC-26MEC
	2" x 6" Scallop End Cap	Plastic	Select Color*	N/A	PC-26SEC
	3" x 3" Lattice Post Sleeve	Roll-form Aluminium	0.32 ga Select Color*	Cut to Length	PC-P-RF-3X3
	3" x 3" Bevel End Cap	Plastic	Select Color*	N/A	PC-3EC

* Finish color selections page 9

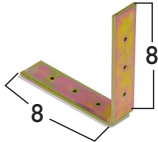
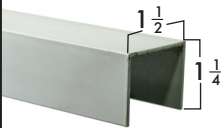
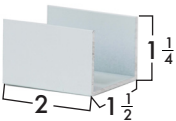
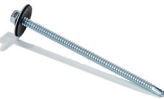
Note: PART dimensions are displayed in inches unless stated otherwise.

PART	PRODUCT DESCRIPTION	MATERIAL	GAUGE OR COLOR	LENGTH	PART NO.
	2" x 3" Lattice Tube	Roll-form Aluminum	.018 ga Select Color*	Cut to Length	PC-2X3L
	2" x 3" Bevel End Cap	Plastic	Select Color*	N/A	PC-23EC
	2" x 3" Splice for Lattice Tube	Plastic	White	N/A	PC-23LS-WHT
	2" x 2" Lattice Tube	Roll-form Aluminium	.018 ga Select Color*	Cut to Length	PC-2X2L
	2" x 2" Bevel End Cap	Plastic	Select Color*	N/A	PC-2EC
	Post Base Cover Kit	Plastic	Select Color*	N/A	PC-PB-CVR-KIT-[COLOR]
	5/8" Plugs	Plastic	Select Color*	N/A	PC-.625PLUG-[COLOR]

PART	PRODUCT DESCRIPTION	MATERIAL	GAUGE OR COLOR	LENGTH	PART NO.
	Corner - Smooth	Extruded Aluminium	White	6 $\frac{1}{4}$ "	PC-GDAM-6.25-WHT
	Gutter Dam	Foam	White	N/A	PC-GDAM-3-WHT
	Gutter Clip	Aluminium	White	1"	PC-GC-2-WHT
	2" x 3" Downspout with Elbow	Roll-form Aluminum	Select Color*	10'	PC-102x3DS
	2" x 3" A-Elbow	Roll-form Aluminum	Select Color*	N/A	PC-AE
	2" x 3" B-Elbow	Roll-form Aluminum	Select Color*	N/A	PC-BE
	2" x 3" Dropout	Aluminium	White	N/A	PC-2x3DRP-WHT
	Flashing	Extruded Aluminum	White	11" W 7/8" Lip 10'2" L	PC-10FL-WHT
	Hanger Tape Roll	Foam	White	2 $\frac{3}{4}$ " x 50'	PC-HT2.75X50-WHT
				4" x 50'	PC-HT4X50-WHT
	Caulking	Polyurethane	White	7/8" Lip	PC-VW-WHT

*Finish color selections page 9

Note: PART dimensions are displayed in inches unless stated otherwise.

PART	PRODUCT DESCRIPTION	MATERIAL	GAUGE OR COLOR	LENGTH	PART NO.
	Roof Mount Bracket	Steel	Mill Finish	8"	PC-8AB-MIL
	Column Shoe	Extruded Aluminium	White	20'	PC-20CSSW-WHT
	Top Clip	Extruded Aluminium	White	2"	PC-TC-2-WHT
	Hex Lag	Stainless Steel	N/A	3/8" x 3"	FS-3/8X3.00HEXLAG-18-8
				3/8" x 4"	FS-3/8X4.00HEXLAG-18-8
				3/8" x 5"	FS-3/8X5.00HEXLAG-18-8
				1/2" x 5"	FS-1/2X5.00HEXLAG-18-8
	Hex Tek	Zinc	Select color*	#10 x 5/8"	FZ-10X.625-HEXTEK
			White	#12 x 3/4"	FZ-12X.75-HEXTEK
			Select color*	#14 x 3/4"	FZ-14X.75-HEXTEK
			White	#14 x 1"	FZ-14X1-HEXTEK
	Hex Tek with Neo Washer	Zinc	N/A	#14 x 4"	FZ-14X4-HEXTEKZINC-NEOWASH
				#14 x 5"	FZ-14X5-HEXTEKZINC-NEOWASH
				#14 x 6"	FZ-14X6-HEXTEKZINC-NEOWASH
	Lattice Tube Screw with Neo Washer	Zinc	Select color*	2 1/2"	PC-SMS23
	Wedge Anchor	Stainless Steel	N/A	3/8" x 3 3/4"	FS-WA-3/8X3.75-304
	Hex Sheet Metal Screw	Zinc	Mill Finish	#12 x 2 1/2"	FZ-12x2.50-SMS-ZINC

* Finish color selections page 9

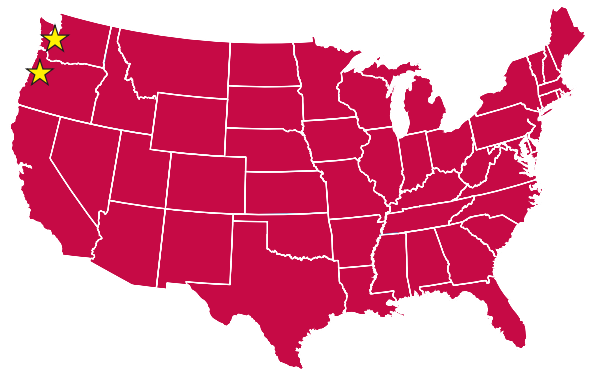
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