



Architect Binder
Commercial 2023

STRUXURE®

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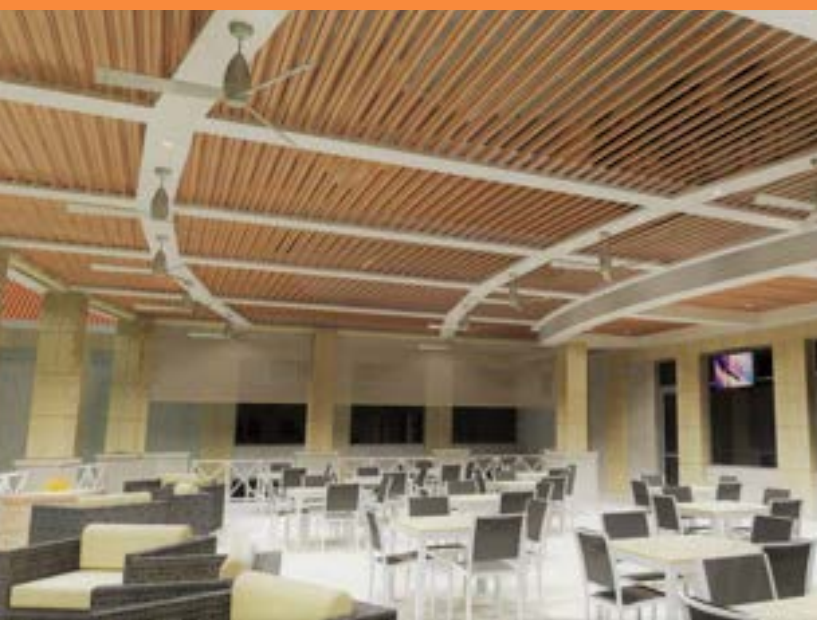
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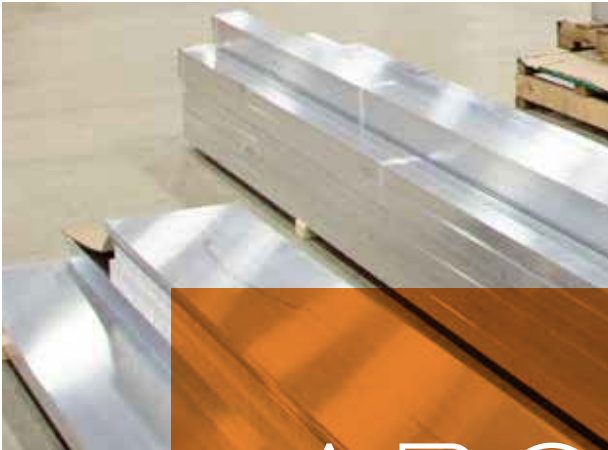
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We specialize in bringing the indoors out and changing the way people live through design and innovation.



ABOUT US

STRUXURE





INNOVATORS OF THE MODERN-DAY LOUVERED ROOF

"WE SPECIALIZE IN BRINGING THE INDOORS OUT AND CHANGING THE WAY PEOPLE LIVE THROUGH DESIGN AND INNOVATION EVERYDAY"



StruXure, LLC. was founded in 2011 by CEO and Chief Product Architect, Scott Selzer. As a former middle school teacher with a part-time remodeling company, Scott specialized in building decks, pergolas, basements and other home improvement projects. Inspired by his students to follow his dream to become a full-time entrepreneur, Scott started Adjustable Patio Covers, a company specializing in outdoor spaces.

With a large demand for patio covers that would allow shelter from inclement weather conditions while receiving maximum airflow, Scott began distributing Louvered Structures, an adjustable cover originating from Australia. As the first company to bring this product to the East Coast, popularity grew around the louvered roofs and Scott quickly found ways to re-design, innovate and patent a higher quality version of the product to provide to his local customer base. The StruXure system was born.



Engineered and designed to withstand all types of weather conditions, the StruXure Pivot was the new company's first offering in 2011. Since then, StruXure has become one of the fastest growing privately held companies in the United States. This growth has led us to move into a new state-of-the-art manufacturing facility and corporate headquarters in North Georgia. We expanded our operations from the Southern California office and manufacturing facility to a larger West Coast manufacturing facility, located in Nevada, Fall of 2017. We opened additional distribution facilities to keep up with our growing national dealer network. With StruXure dealers from Canada to the Caribbean, we are poised and ready to lead the way to more innovative outdoor living across North America.

In addition to being a smart louvered roof manufacturer, we also specialize in technology and design with a focus on architectural innovation. Our 'smart structures' continue to evolve and provide an adjustable atmosphere for your outdoor living needs. We strive to continue updating our products and really changing the way people enjoy the great outdoors throughout the entire year.



GROWTH

As with any company or product, the proof is in the pudding, and StruXure is no different. We have experienced incredible growth as people discover what a louvered structure is, and how the StruXure system can change their lifestyle. We often see jaws drop when they see a StruXure system for the first time. StruXure has been on the INC 5000 list for 7 years straight!

MISSION

We want to help homeowners enjoy their corner of the world and businesses profit from the addition of dependable spaces for their customers, while still allowing them to enjoy the outdoors. StruXure strives to help Architects and Designers create amazing natural spaces and affords Dealers and Builders the ability to provide something their customers will love.



Designed, Fabricated & Assembled by American Craftsmen

TO YOUR EXACT SPECIFICATIONS

StruXure luxury systems are manufactured entirely in the U.S. by American workers who take great pride in what they do. Our team really cares and is passionate about building the best system on the market - and that dedication shows in the beauty and quality of all our products.

Each StruXure system is engineered to exceed all standards and expectations. They're designed to meet Florida's stringent hurricane codes, as well as withstand heavy snow loads in the cold of winter. Plus, each StruXure system is fabricated and powder coated to order, made to exact specifications, which makes for a better fit and finish and a cleaner looking system.

Ideal for any outdoor living area, such as patios, decks, lanais, verandas, entryways, courtyards, outdoor kitchens, swimming pools and spas. It's a perfect enhancement for patron comfort at Country Clubs, restaurants, hotels, resorts, theme parks and sports venues. Select from a variety of available colors, materials and finishes to complement any architectural style and conform to your aesthetics.

Learn more about our
craftsmanship at StruXure.com





Pivot

The original StruXure system has been improved and perfected since its inception in 2011. Its award-winning pivot design gives it a full 145° range of motion to provide a cool oasis, regardless of the sun's position. Now available with StruXure myLink™ technology, the Pivot can intuitively control the effects of the weather to enhance your outdoor lifestyle.

CLOSED

When closed, the patented louver design interlocks, providing a solid shelter from rain. Water is pitched into the system's 360° integrated gutter.

ANGLED IN

Shaded space provides protection from the harmful effects of the sun. The Pivot provides SPF protection and allows you to spend more time outdoors without added sun exposure.

OPENED

Allow maximum light into your space with the louvers fully opened. Minimizes resistance and uplift in high winds.

ANGLED OUT

Angled louvers provide cool shade and air flow without blocking your blue sky view.

Pivot to create shade or shelter from the elements.



THE AWARD-WINNING PIVOT DESIGN IS CHANGING HOW WE LIVE OUTDOORS, WITH A FULL 145° RANGE OF MOTION.





Basic Components

The Complete StruXure System In Its Simplest Form

THE CONCEPT

The louvers open to allow sunlight in, and close to provide shade and shelter. Water is directed from the louvers to gutters, and down through downspouts either independent or incorporated into columns. While it seems simple, there are a lot of pieces that have to come together seamlessly to make it all work perfectly. In this section, you can see a complete StruXure system in its simplest form, with the basic components or building blocks that make it work.



BASIC COMPONENTS / CUSTOM & SITE SPECIFIC

- I Pivot 6
- II Pivot 6 XL
(Commercial Applications - 1,000 sq.ft. and larger)

- 1 Post *Post Bases & Bracket
- 2 Beams & Connectors
- 3 Gutters
- 4 Louver *Pivot & Track Bar
- 5 Additional Hardware
- 6 Operation Options



Design Guidelines:

- StruXure is a custom site specific product, so if it can be engineered, StruXure can typically build it (using best practices for drainage, etc.).
- "Multiple louvers in a row are referred to as a zone of louvers. The longest louver length in a zone is 12' and the longest span of louvers in a zone is 20', so the largest zone of louvers is 12' x 20' and any design layout larger becomes multiple zones (zones may be smaller than 12' x 20').
- The longest span recommended without a structural support (post / column) is 20' to 21', however StruXure can add material (double beams, etc.) or use other materials (such as steel / I-beams / etc) to carry longer spans, depending on the design.
- For projects over 800 / 1,000 sq.ft. we would recommend our Pivot 6 XL system: 2" x 10" perimeter beams, 7.5" commercial gutter, 8" x 8" posts.
- For projects smaller than 800 sq.ft. we would recommend our Pivot 6 system: 2" x 8" perimeter beams, 5.5" gutter, 6" x 6" posts.

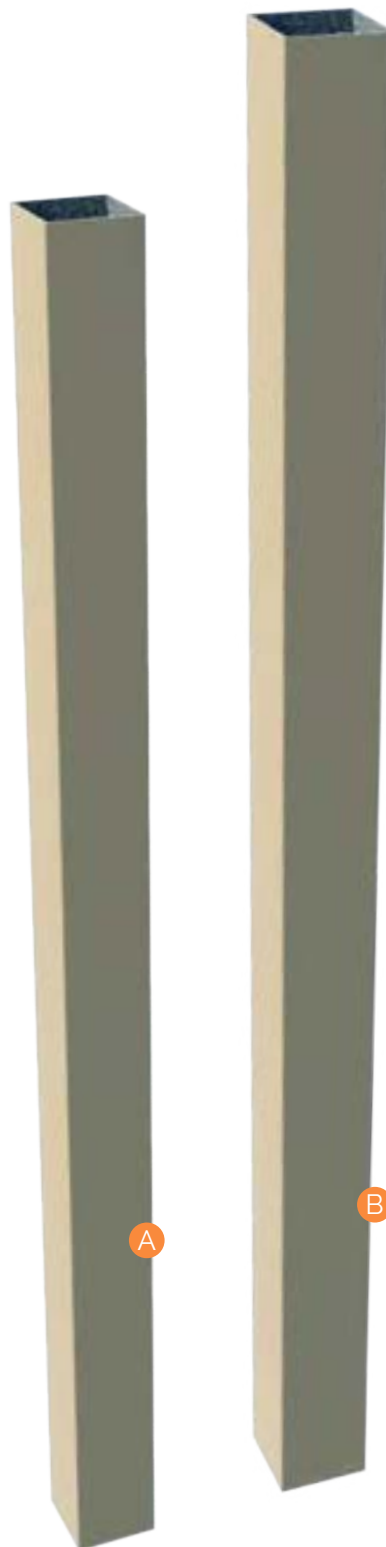
Basic Components

/ POST / POST BASES & BRACKET



POST

- A** Pivot 6 Pergola:
Column 6'x6' x 125"
Column 6'x6' x 250"
- B** Pivot 6 XL Pergola:
Column 8' x 8' x 250"



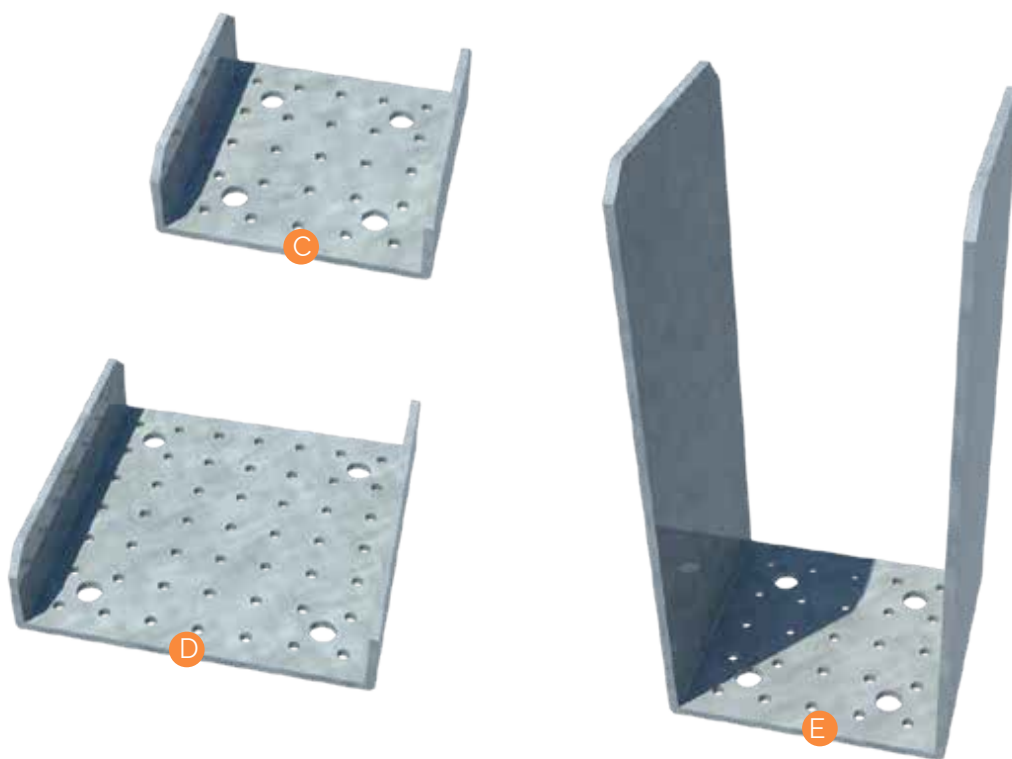
StruXure posts serve as downspouts for the pergola system. Pivot X is custom and site specific. Typically, posts away from the building are used for drainage as downspouts and posts closest to the building (opposite posts for drainage) are used to bring electrical into the pergola.

Basic Components

/ POST / POST BASES & BRACKET

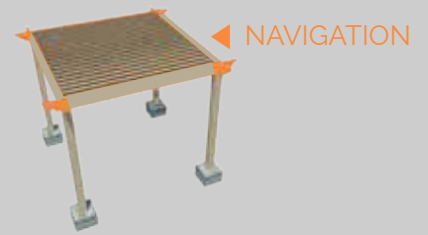
POST BASES & BRACKET

- C** Pivot 6 Pergola: Post Bracket 6" x 6"
- D** Pivot 6 XL Pergola: Post Bracket 8" x 8"
- E** For Pivot 6 and Pivot 6XL Pergolas: Post Base Bracket 6" x 6" and 8" x 8"



Basic Components

/ BEAMS / CONNECTORS



BEAMS

STANDARD SIZE

F Pivot 6XL - 2" x 10" x .125"

G Pivot 6 - 2" x 8" x .125"

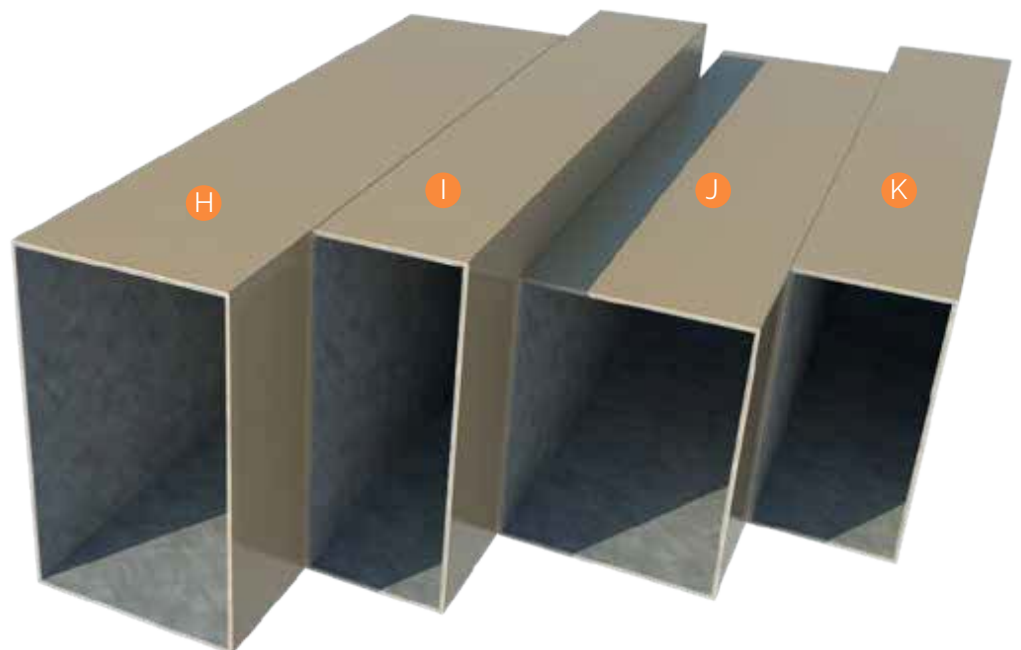
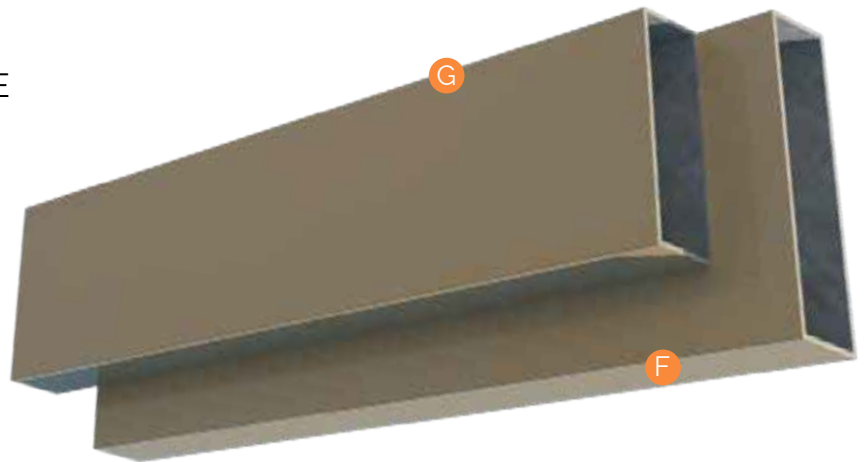
ADDITIONAL BEAM SIZES AVAILABLE

H 6" x 10"

I 4" x 10"

J 6" x 8"

K 4" x 8"



Basic Components

/ BEAMS / CONNECTORS

CONNECTORS

BEAM TO POST CONNECTOR:

- L** Post Bracket 8" x 8" - Pivot 6XL
- M** Post Bracket 6" x 6" - Pivot 6
- N** Beam Corner Connector - Pivot 6 & Pivot 6XL
- O** U-Channel Connector - Pivot 6 & Pivot 6XL



Basic Components

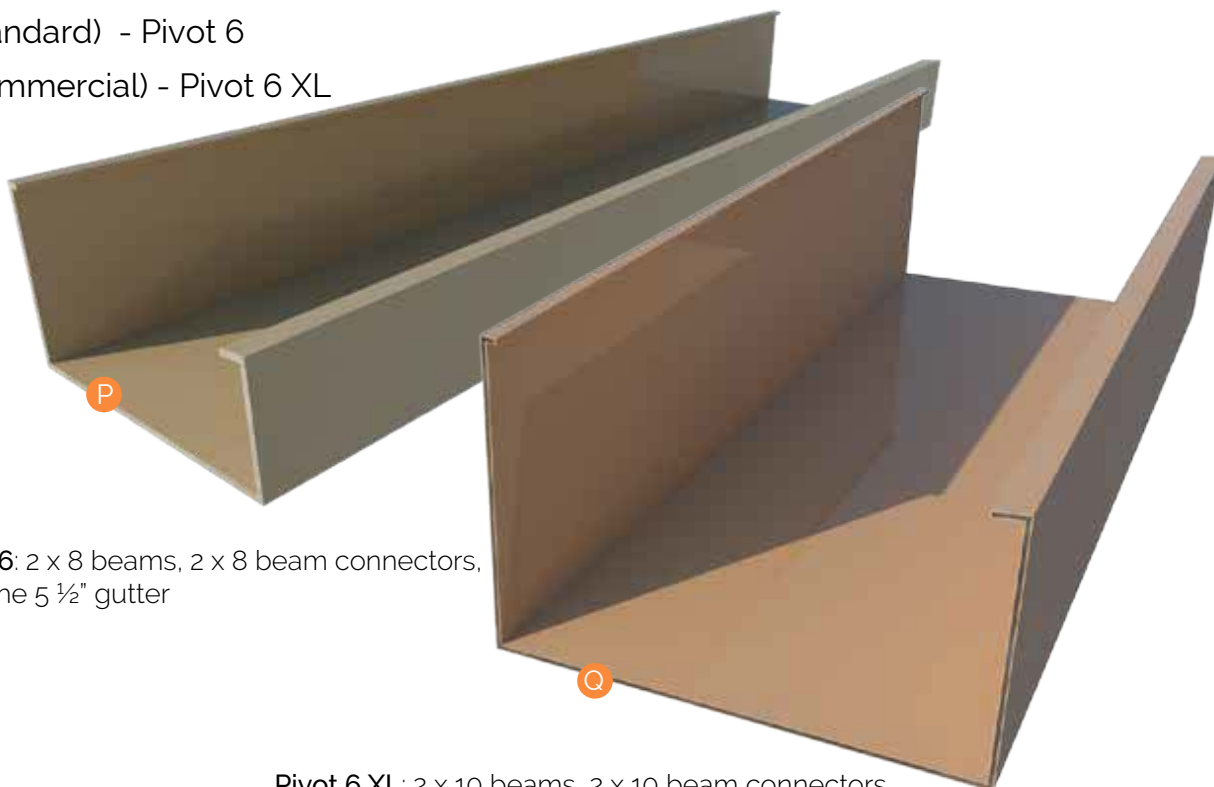
/ GUTTERS

NAVIGATION



GUTTERS

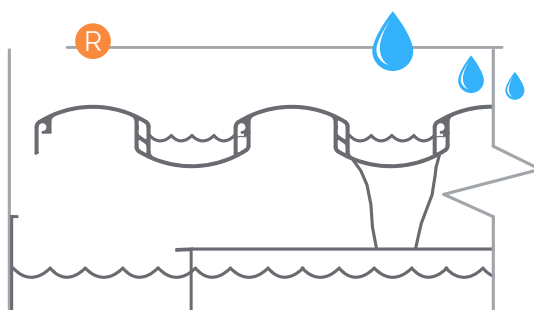
- P** Gutter (Standard) - Pivot 6
- Q** Gutter (Commercial) - Pivot 6 XL



Pivot 6: 2 x 8 beams, 2 x 8 beam connectors, with the 5 ½" gutter

Pivot 6 XL: 2 x 10 beams, 2 x 10 beam connectors, with the 7 ½" gutter

- R** Commercial Gutter has three (3) times greater rain water capacity than StruXure's existing industry leading Standard Gutter



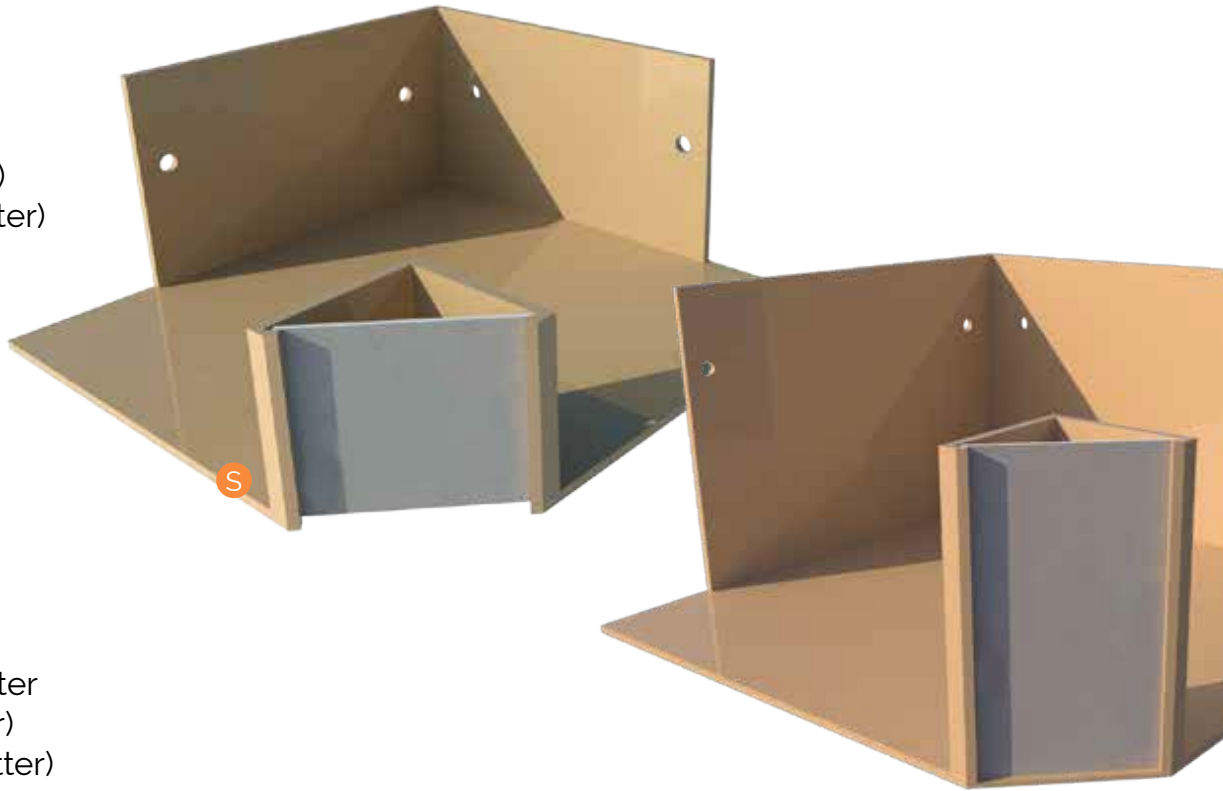
The unique louver profile allows the louvers to interlock, creating the largest rain channels in the industry. Thus, allowing for more water to flow freely into our 360 degree integrated gutter system. StruXure's patented Pass Through Gutter technology allows for rain water to pass from one independent zone to the next allowing for superior drainage performance.

Basic Components

/ GUTTERS

GUTTERS

- S** Corner Gutter
Pivot 6 (5.5" Gutter)
Pivot 6XL (7.5" Gutter)



- T** Pass Through Gutter
Pivot 6 (5.5" Gutter)
Pivot 6XL (7.5" Gutter)



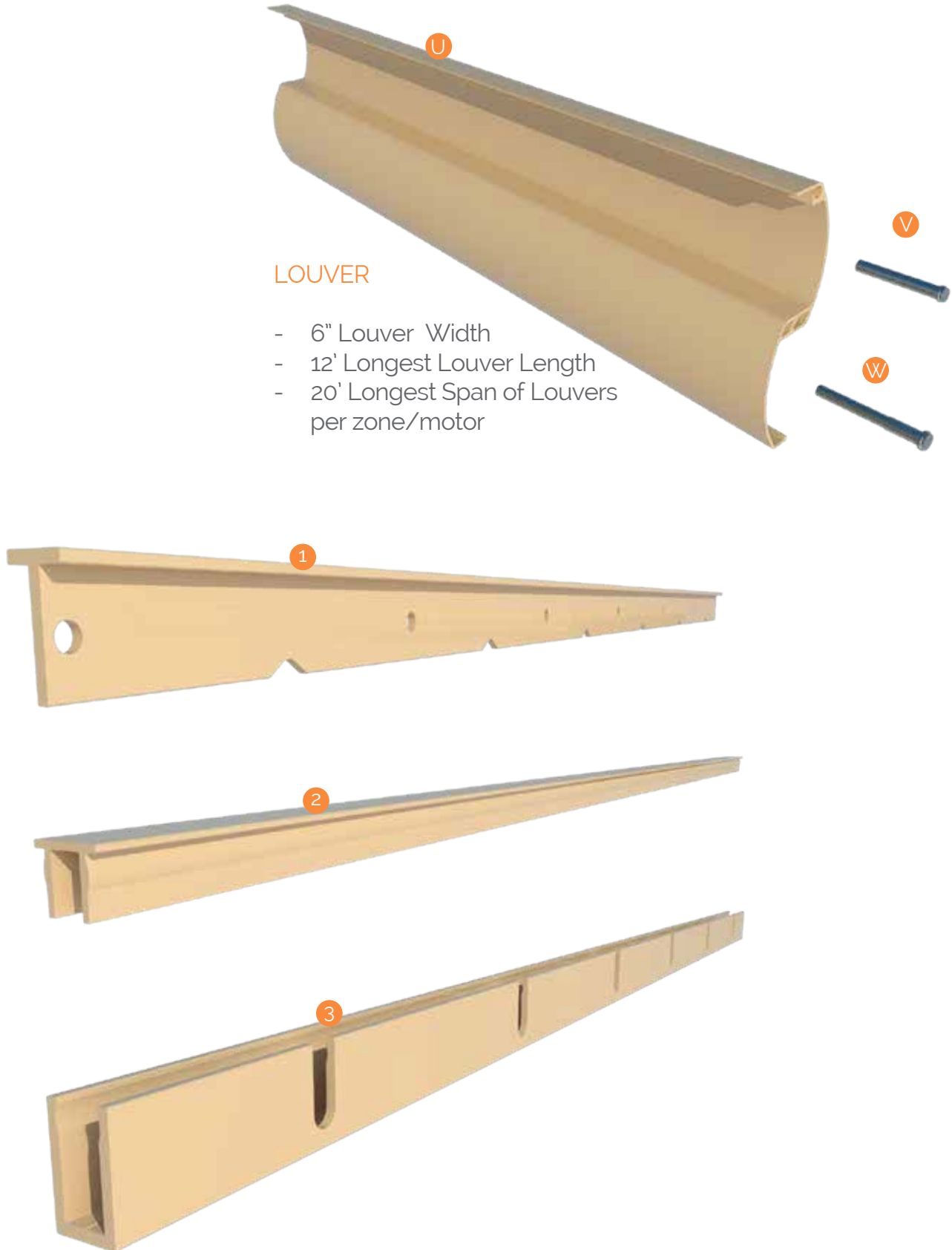
Basic Components

/ LOUVER / PIVOT & TRACK BAR

- U Louver
- V Pivot Pin
- W Track Pin
- 1 Track Bar
- 2 Cap Bar
- 3 Pivot Bar

LOUVER

- 6" Louver Width
- 12' Longest Louver Length
- 20' Longest Span of Louvers per zone/motor



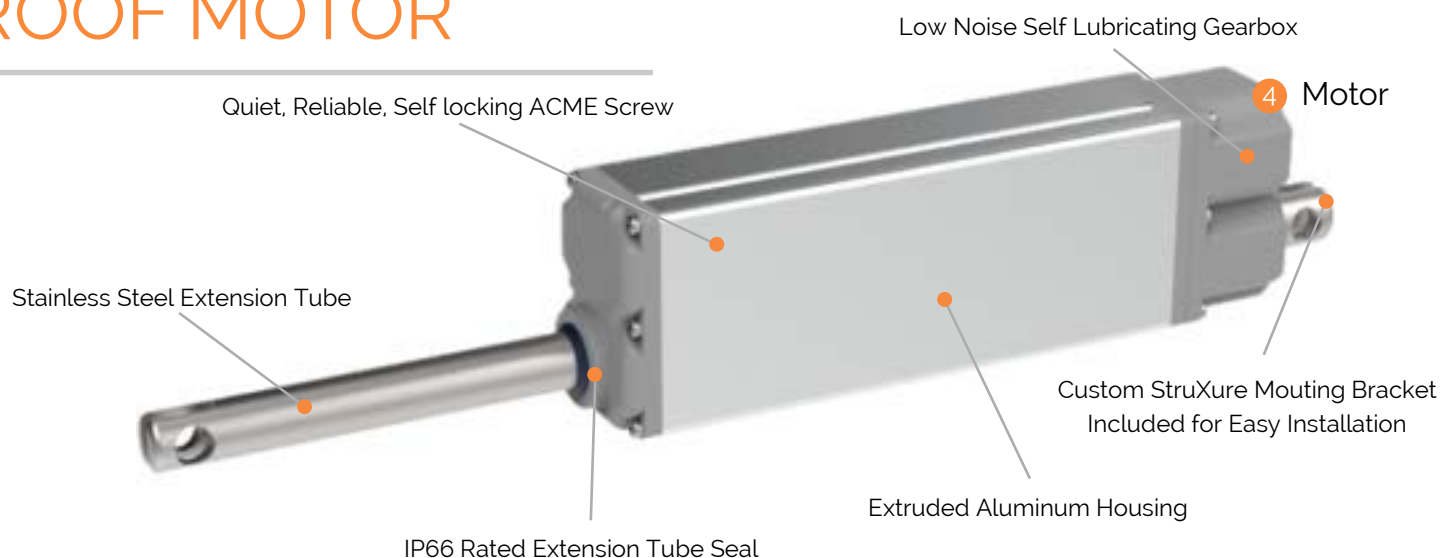
Basic Components

/ MOTOR

NAVIGATION



LOUVERED ROOF MOTOR



SOMFY TECHNICAL SPECIFICATIONS

VOLTAGE

Input Voltage	[VDC]	24
---------------	-------	----

LOAD

Static Load (Fx), max.	[N/lbs]	2500 / 562
Dynamic Load (Fx), max.	[N/lbs]	2500 / 562

STROKE

Stroke length, standard	[mm]	135
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CURRENT

Current consumption, rated load	[A]	1.875
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GENERAL DATA

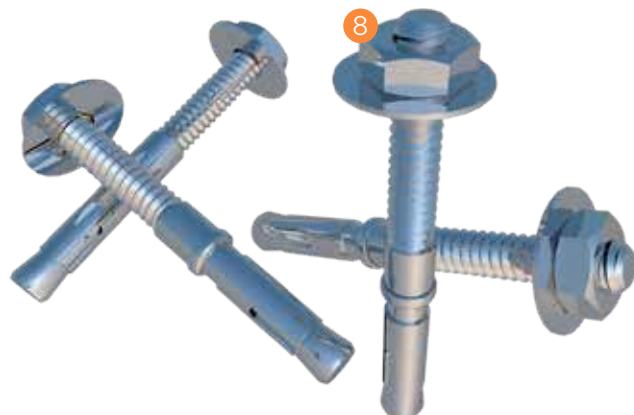
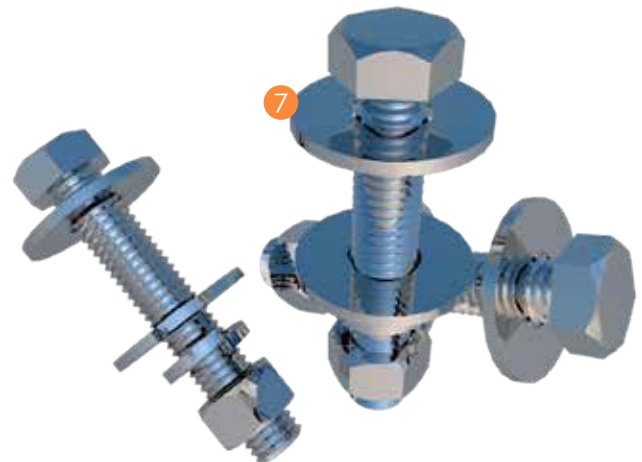
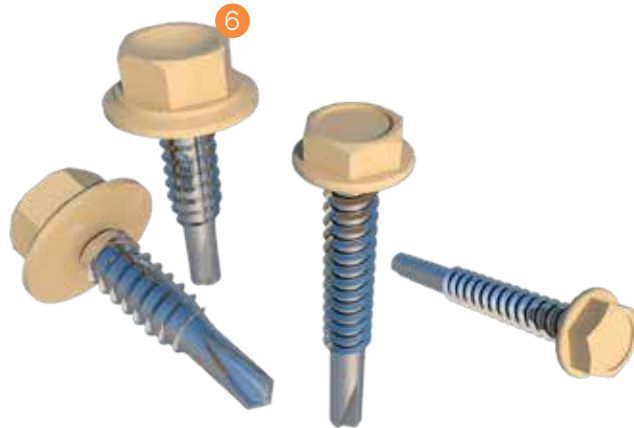
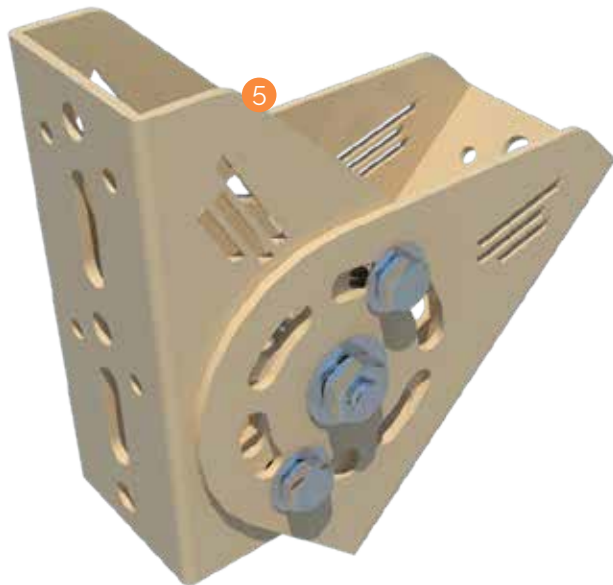
Speed, no load	[mm/s]	3.4
Speed, rated load	[mm/s]	2.8
Operating temperature limits	[°C]	-10/+60
Service life	[Cycles]	± 10,000
Sound level	[dB(A)]	≤ 70
Lead screw type		ACME
Protection Class		IP66
Certificates		CE (EN60601-1)
Insulation		CLASS III

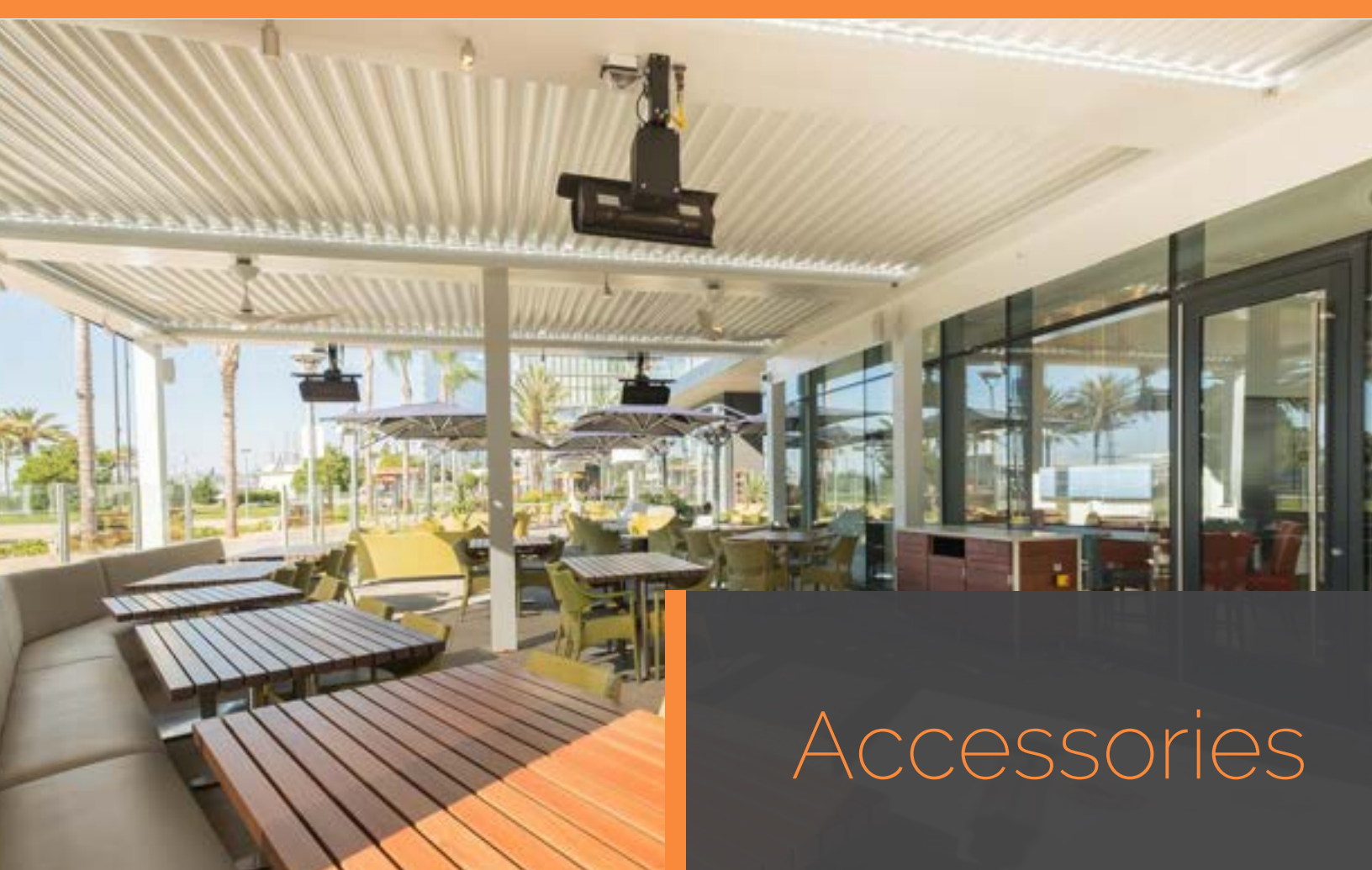
Basic Components

/ ADDITIONAL HARDWARE / OPERATION OPTIONS

ROOF MOUNT APPLICATIONS

- 5 Roof Mount Bracket
- 6 Tek Screws
- 7 Bolts
- 8 Concrete Anchors





Accessories





ACCESSORIES:

Bring the comfort of the indoors to the outdoors with accessories

ACCESSORIES FREQUENTLY USED:

- Accent Lighting
- Ceiling Fans
- Audio/Visual (Speakers, Televisions, etc.)
- Motorized Screens
- Curtains

Accessories can be included with your pergola, enhancing the look and feel of your patio. Outdoor rated fans and other accessories are selected by the client or designer and StruXure can provide the proper beam chase, fan beams, and accessory beams for your accessory layout and connections, which allow the electrical to be concealed within the pergola system and without interfering with the adjustability of the roof's louvers. Your louvers will still be able to rotate fully and close up completely. There are many practical benefits to these features. When just shade isn't enough to ward off heat waves, a ceiling fan will circulate the air around your patio, forcing hot air out and stirring up refreshing summer breezes.

Accent lighting will let you relax outside even after the sun sets. You can get a ceiling fan that features a light fixture in its center or install separate fans and lights. You may want more than one fan or one fan and multiple lights. Plus, you'll need to determine what style of fan blade most interests you. Wood, aluminum, or plastic? Paddle-shaped or leaf-shaped? The possibilities are limitless! Both fans and built-in lighting are great for entertaining and patron comfort, since they allow you to utilize your deck or patio no matter the temperature or time of the day.

Our system can support a vast number of outdoor fans from different vendors.



Accessories

/ Fans / Lighting / Heater / Motorized Screens



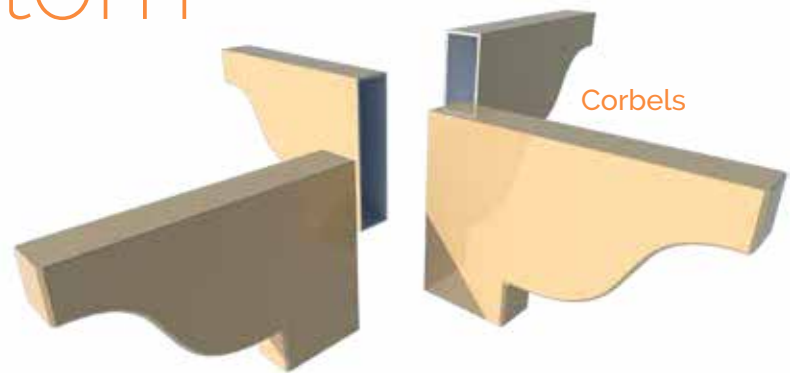
Our system can support a vast number of outdoor fans from different vendors.

- ★ Fan to be selected and provided by client or designer.
- ★ Outdoor rated fans must be selected and come in a variety of options.

Information on heaters, motorized screens, and other accessories (manufactured by others) can be included.



Design flexibility is key to the custom design of the StruXure.



A variety of architectural details can be added to the StruXure pergola. Depending on the surrounding building design, whether attaching or free-standing, elements can be added to StruXure that will complement the existing architecture. Corbels can be added for a more traditional look, as well as tops and bases to posts for a more traditional column detail. The standard Pergola X design provides a modern aesthetic, but a one- or two-step cornice detail can add additional architectural interest to the Pergola X.



**NEED NEW IMAGE
FOR COLUMN**

Post Trim Kit



Smart Automation

- Remote Control with WIFI APP (Use both together)
- Automation compatibility
- Use the same controls to automate both the pergola/structure and motorized screens
- More Sensors: Rain, Wind
- Voice Control (Amazon Alexa Integration)
- Programmability (Different times of the day)
- Full range of radio controls: 10+ color choices
- Technical Support
- Training Support
- 5-Year Full Warranty



ACCESSORIES:

Motor Control Sensors, Automation App

MOTOR CONTROL SENSORS

Our system is the most durable louvered structure on the market today! It has been specifically engineered to withstand hurricane force winds, heavy snow loads and everything in between.

OPTIONAL SENSORS REACT TO WEATHER CONDITIONS



SOLAR



RAIN



WIND

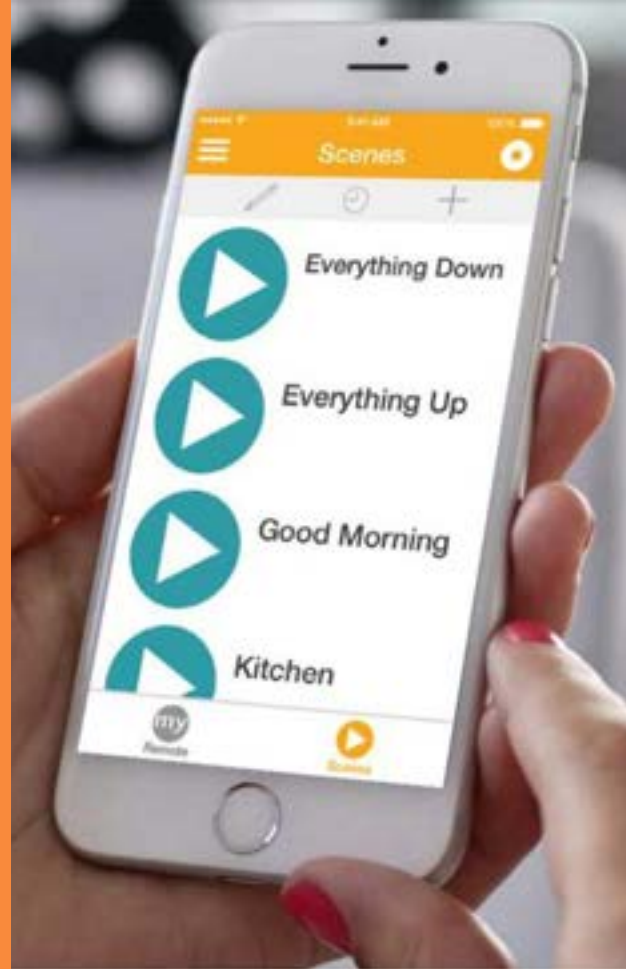


HURRICANE

AUTOMATION APP

At StruXure Outdoor, we offer Somfy myLink technology. We knew that simply attaching a sensor to a household item didn't necessarily make it "smart." That's why we concentrated on integrating meaningful, necessary technology that incorporates automation while also enhancing ease and functionality. Somfy myLink technology provides users a variety of options for programming and controlling their StruXure systems. Operations Managers can program their louvered structure to open and close at certain times of the day, choose between preset positions, and re-open to its last known position, guaranteeing the perfect position every time. Somfy myLink technology can also automatically open and close your louvered structure depending on conditions such as rain and wind. If excessive wind speeds are detected, Hurricane Mode will override all functions and open the louvers to allow for air to freely flow through the louvers.

IFTTT is a free, web-based service that allows myLink to communicate with other smart home solutions easily. Now, your connected devices and apps work together to create the ultimate ambiance, automatically. Mix and match over 600 IFTTT services to define actions and triggers that make sense to your lifestyle. Get started with Applets by Somfy, or create your own for a personalized experience!



myLink App

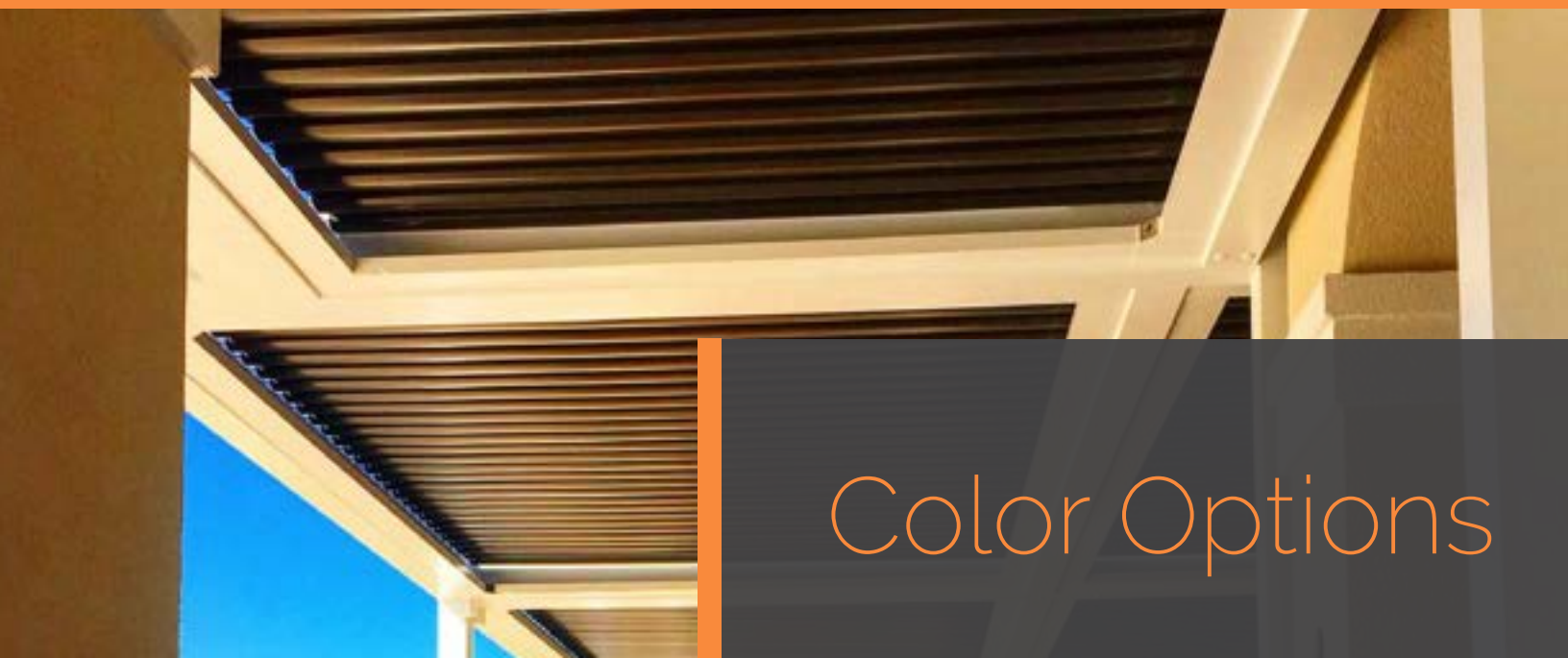
Available for free download in the Apple and Google Play stores, the Somfy myLink app provided by StruXure provides the ultimate control of your outdoor living environment all from the palm of your hand.

The Somfy myLink™ allows you to enjoy your Radio Technology Somfy® (RTS) motorized solutions even more with IFTTT (If This, Then That).

Control your Somfy-powered RTS solutions with devices from all below:







Color Options



COLOR OPTIONS:

Complement Any Space

The StruXure system features six standard color options that can enhance almost any architecture. For unique instances where standard won't do, we are able to provide thousands of custom colors for the perfect match. A chemical textured powder coat makes a more scratch-resistant surface, while giving it a matte finish that is extremely on-trend for outdoor design today.

WHITE /

BLACK /

BEIGE /

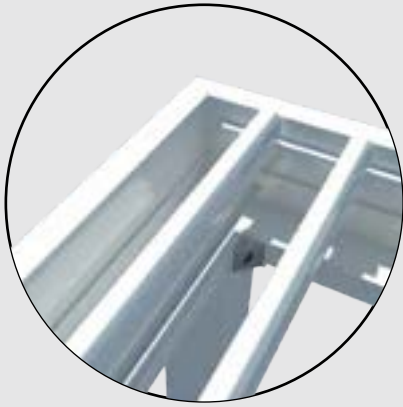
ADOBE /

GRAY /

BRONZE /



6 Standard Colors Available
or Choose A Custom Color.
Now Offering Woodgrain Options
on Louvers only.



WHITE: STANDARD /



BEIGE: STANDARD /



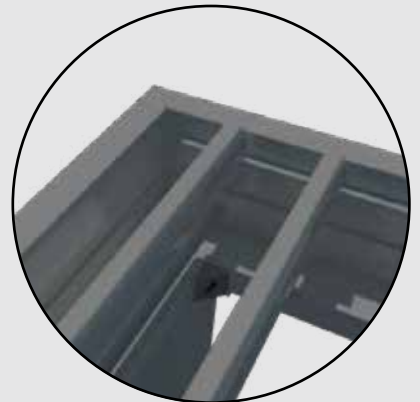
BLACK: STANDARD /



BRONZE: STANDARD /



ADOBE: STANDARD /



GRAY: STANDARD /



STRUXURE: ANY COLOR /
Provide StruXure with your RAL number
and we can custom color match



WOOD GRAIN: CUSTOM /
Wood Grain finishes available (louvers only)

Material & Protective Coating

MATERIAL

Aluminum 6063-T6. StruXure, Inc. MSDS

SUBCATEGORY

6000 Series Aluminum Alloy; Aluminum Alloy; Metal;
Nonferrous Metal

COMPOSITION NOTES

Aluminum content reported is calculated as remainder. Composition information provided by the Aluminum Association.

KEY WORDS

UNS A96063; ISO AIMg0.5Si; Aluminum 6063-T6; AA6063-T6

COMPONENT	WT. %	COMPONENT	WT. %	COMPONENT
Al	Max 97.5	Mg	0.45 - 0.9	Si
Cr	Max 0.1	Mn	Max 0.1	Ti
Cu	Max 0.1	Other, each	Max 0.05	Zn
Fe	Max 0.35	Other, total	Max 0.15	

Material Notes: Data points with the AA note have been provided by the Aluminum Association, Inc..

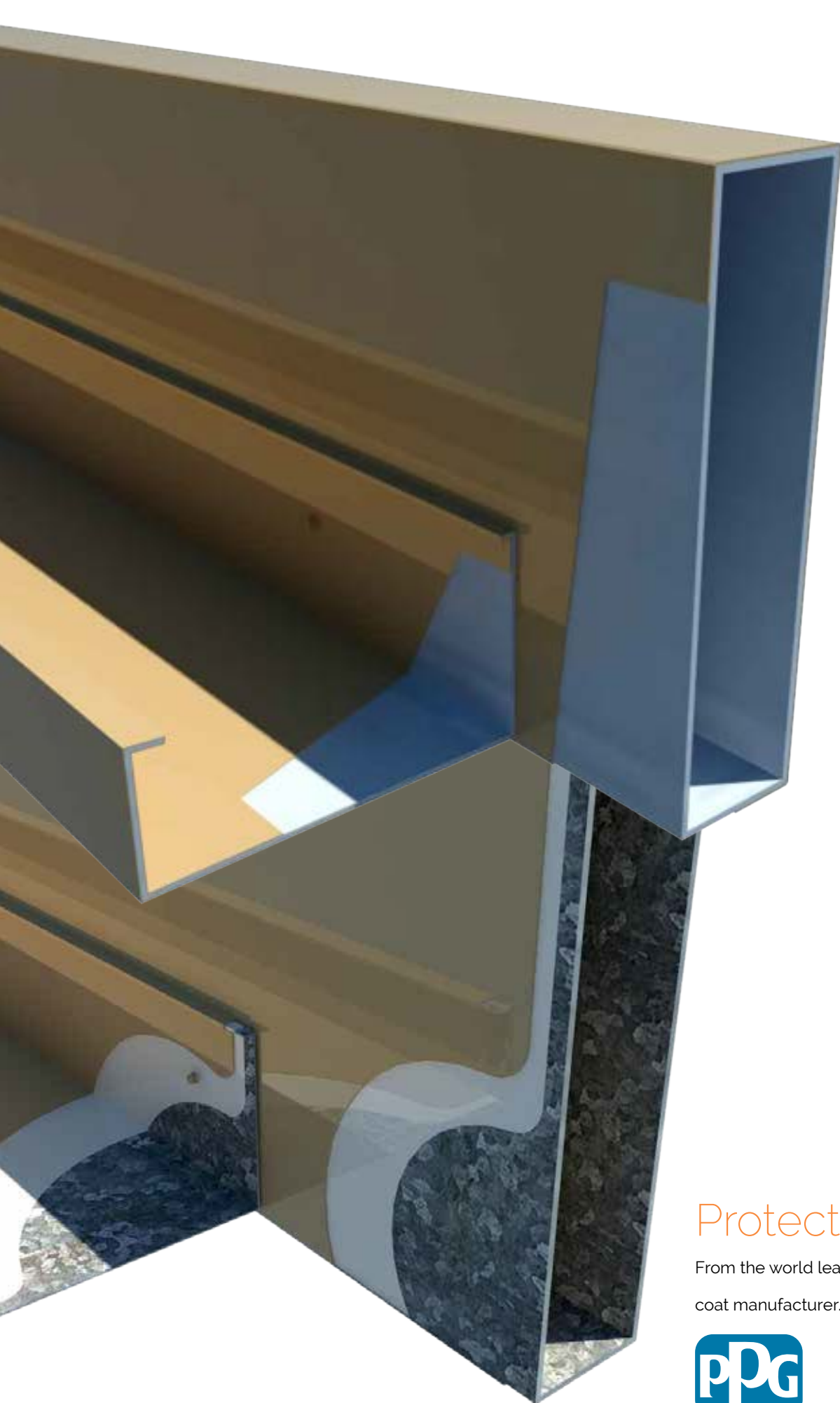
PROTECTIVE COATING

The premium Powder Coating Process is aesthetically pleasing, produces a durable uniform finish, and can be custom formulated for a range of finishes, including the on trend matte finish.

This extensive line of Powders is manufactured to meet the increasing demands of the appliance and industrial markets. They are the ideal solution for smoothness, low-bake, durability, and physical property requirements. An unsurpassed application development program enables consistently friendly use on a variety of substrates, including extruded aluminum. The coating gives:

- Excellent Exterior Durability
- Available in a Wide Range of Colors
- Good Chemical Resistance
- VOC's are Essentially Zero





Protective Coating

From the world leading powder
coat manufacturer.







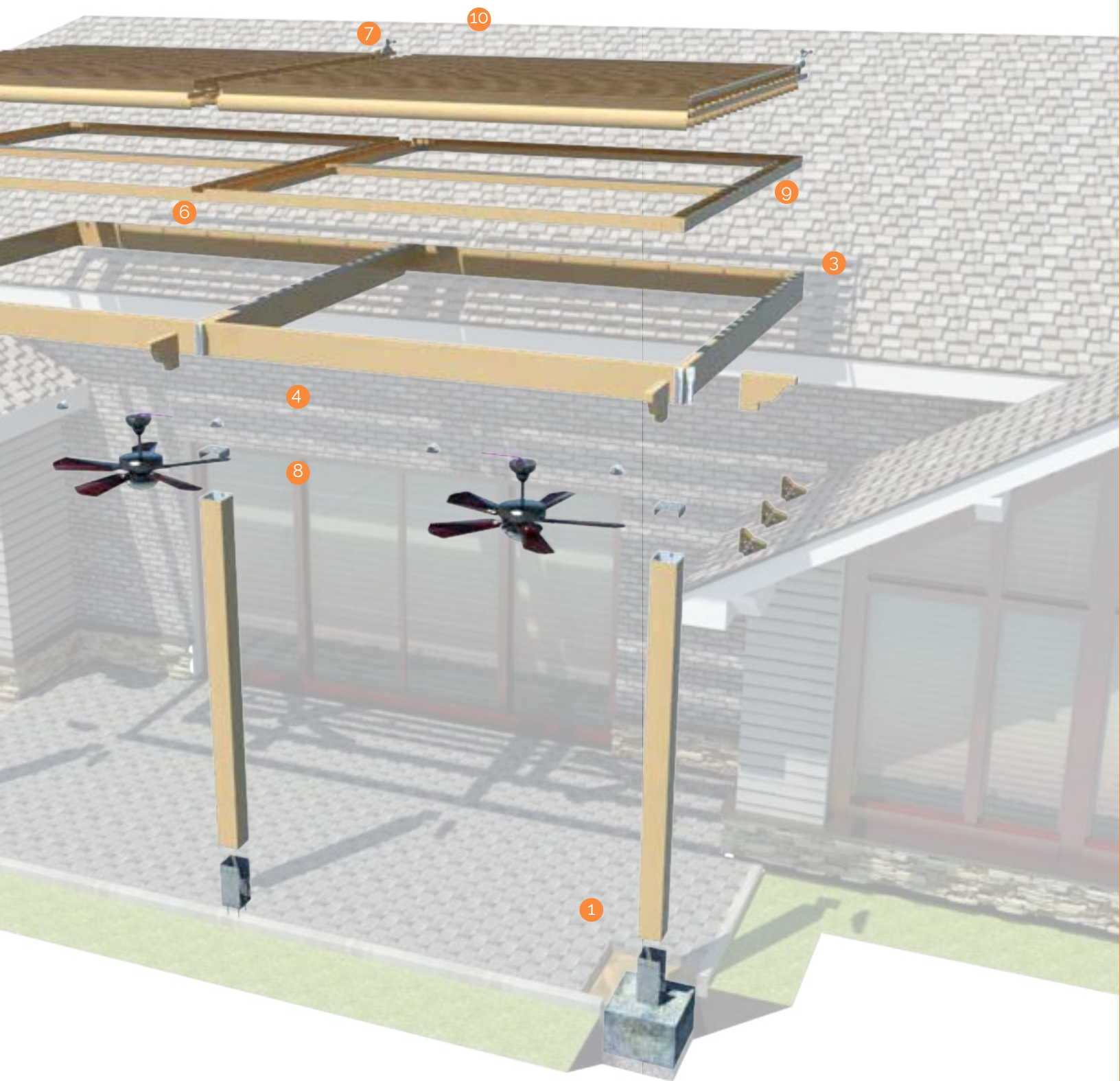
How It All Fits Together

How It All Fits Together

BASIC COMPONENTS

1	Post to Post Bracket	15
2	Perimeter Beam to Post	17
3	Perimeter Beam Corner	18
4	Perimeter Beam to Interior Beam & to Double Beam	19
5	Beam to Gutter / Corner	20
6	Beam to Gutter / Pass Through	21
7	Roof Mount Bracket	22
8	Beam Chase for Accessories	22
9	Fan Beam	23
10	Pivot Louvers	24
11	Corbels	25



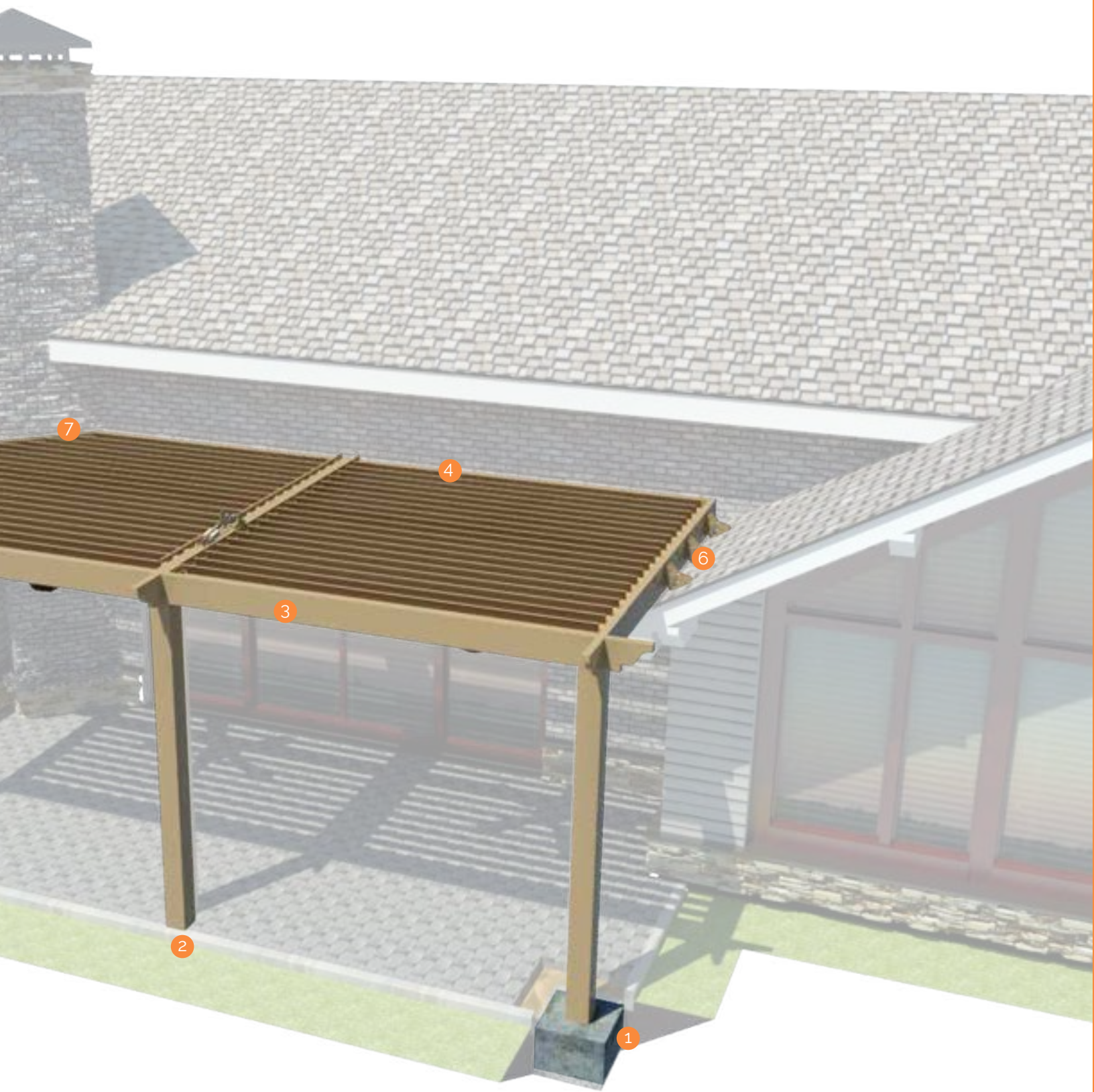


How It All Fits Together

BASIC COMPONENTS

- 1 Post Bracket to Footer..... 15
- 2 Post Embedded into Footer..... 17
- 3 Perimeter Beam to Host..... 27
Structure
- 4 Perimeter Beam to Host..... 28
Structure "Brick Wall"
- 5 Perimeter Beam to Host..... 29
Structure "Fascia"
- 6 Perimeter Beam to Host..... 30
Structure "Roof"
- 7 Louvers to Host 32
Structure "Angle Beam"





StruXure is a custom site specific Pergola with a variety of attachment details available.

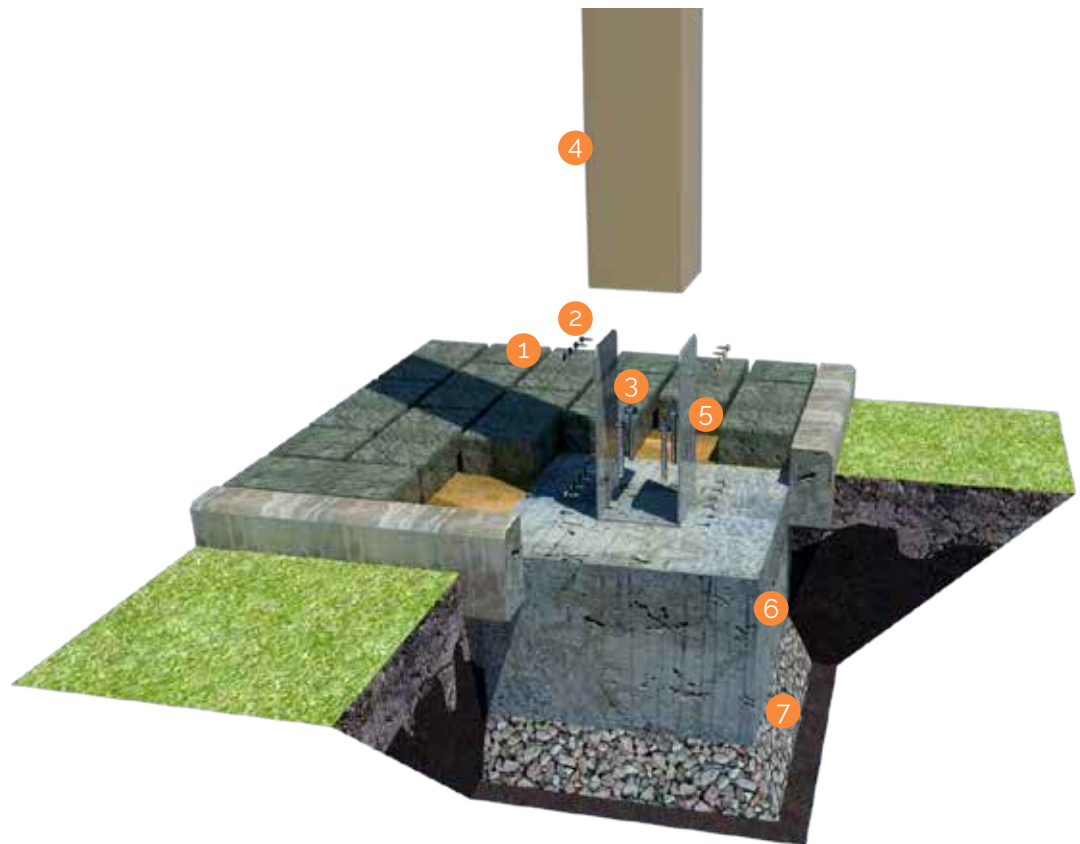
Attachment details may be determined per engineering requirements.

How It All Fits Together

/ POST BRACKET TO FOOTER / POST TO POST BRACKET

There are several options for post attachment, depending on the location and design of the Pergola X.

- 1 Floor Covering Area Under the Louvers
- 2 Tek Screws
- 3 Concrete Anchors
- 4 Posts (6" x 6", 8" x 8" available)
- 5 Post Bracket
- 6 Concrete Footer
- 7 Gravel Leveling Layer

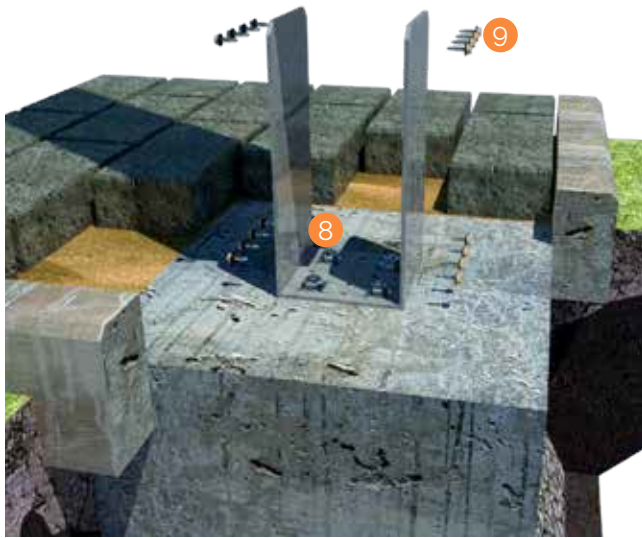


See additional attachment details: [CAD Details](#)

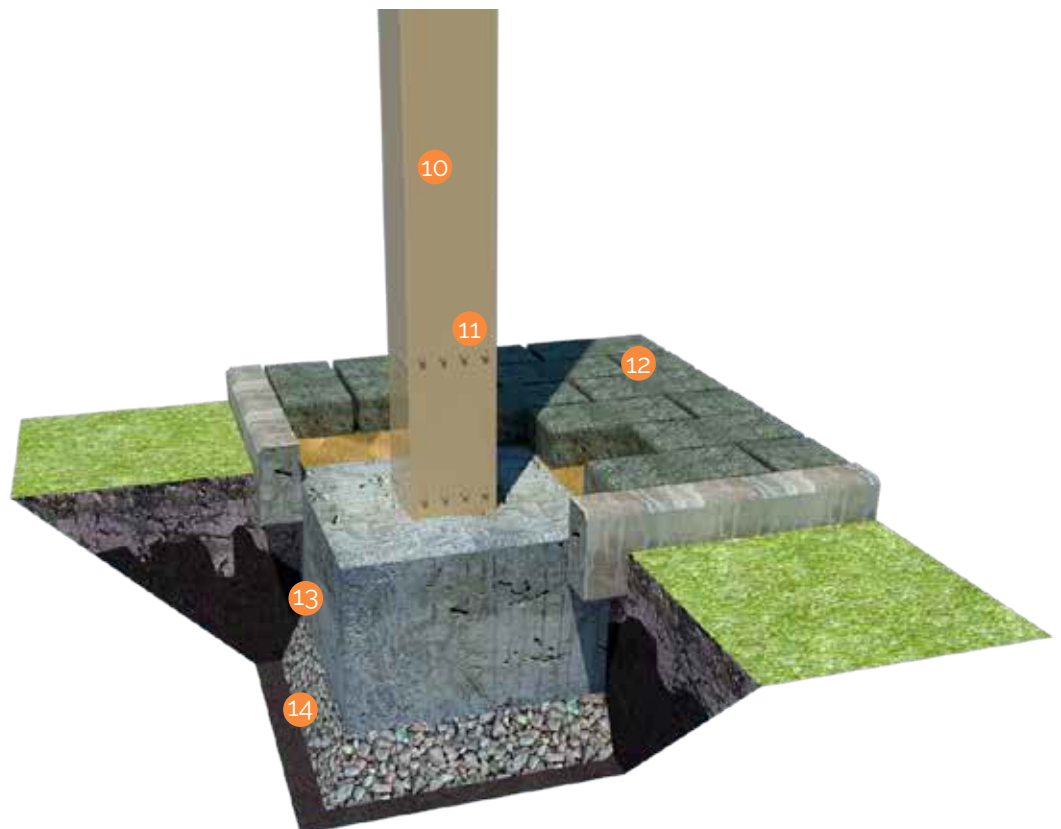
Attachment / Footers may be determined per engineering requirements.

How It All Fits Together

/ POST BRACKET TO FOOTER / POST TO POST BRACKET



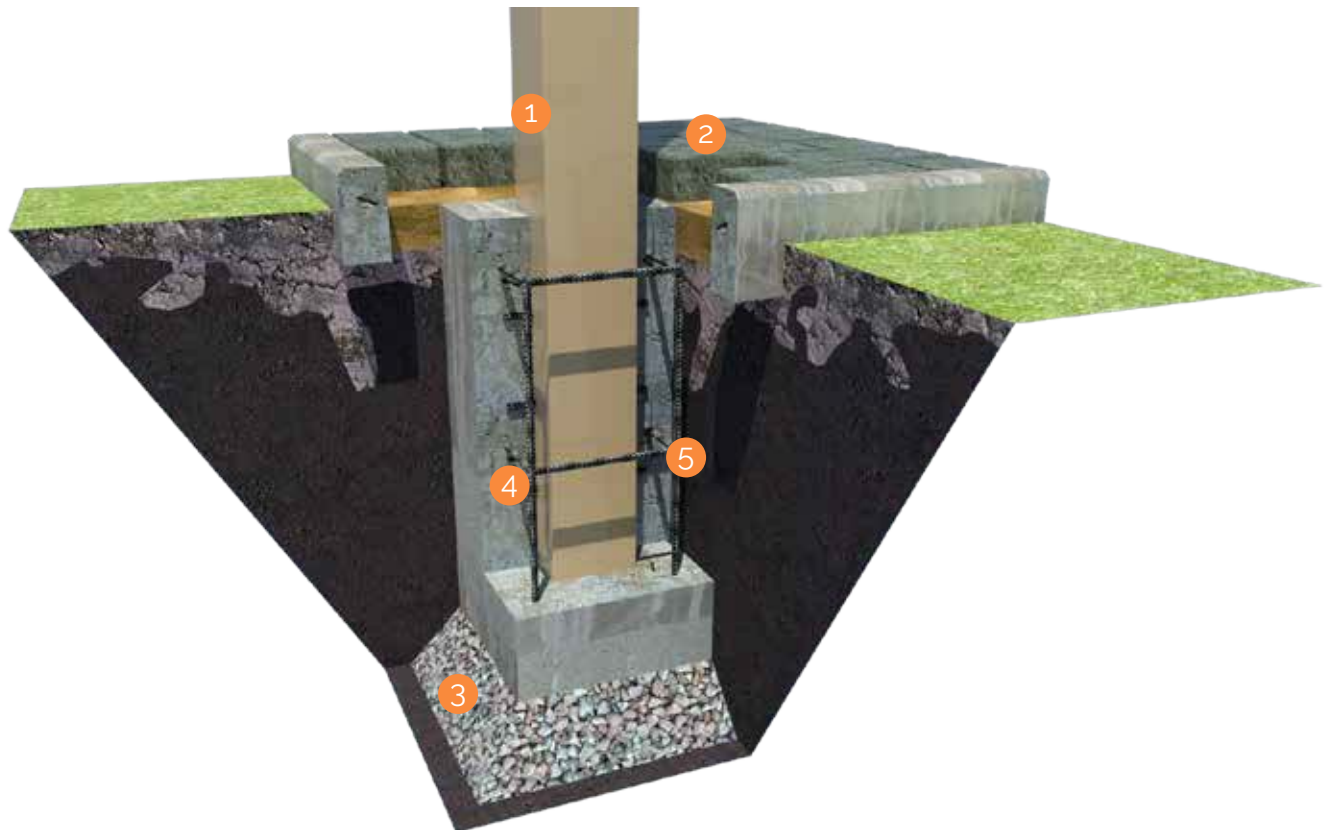
- 8 Concrete Anchors
- 9 Tek Screws
- 10 Post
- 11 Tek Screws
- 12 Floor Covering / Area Under the Louver
- 13 Concrete Footer
- 14 Gravel Leveling Layer



How It All Fits Together

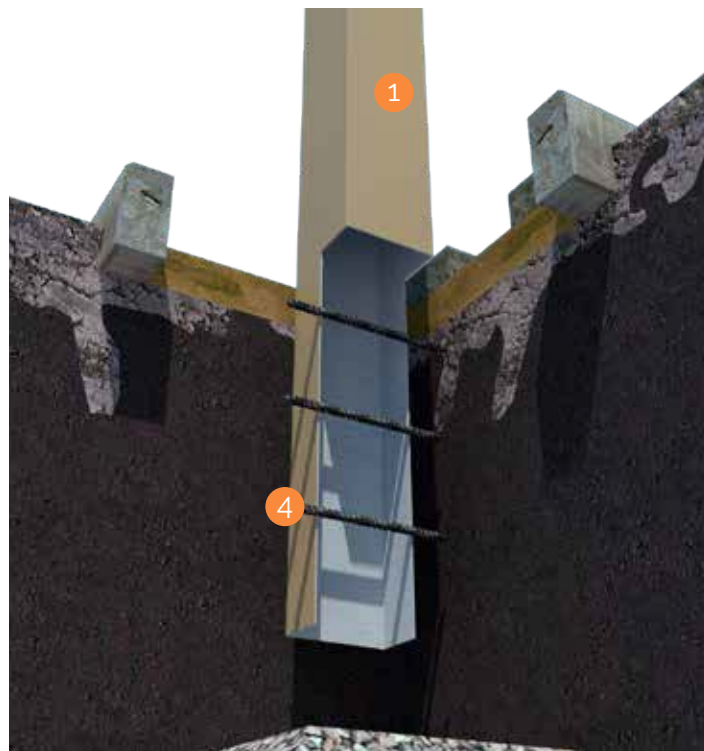
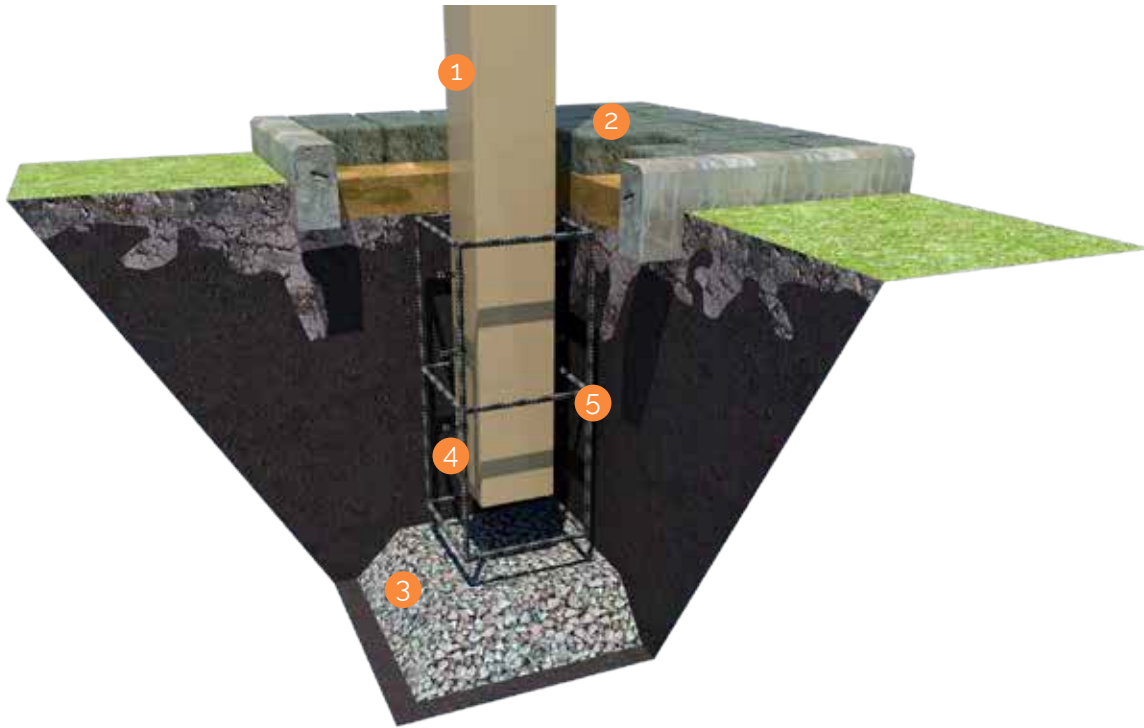
/ POST EMBEDDED INTO FOOTER

- 1 Post
- 2 Floor Covering / Area Under the Louvers
- 3 Gravel Leveling Layer
- 4 Pieces of Rebar or Similar Hardware
- 5 Box of Rebar



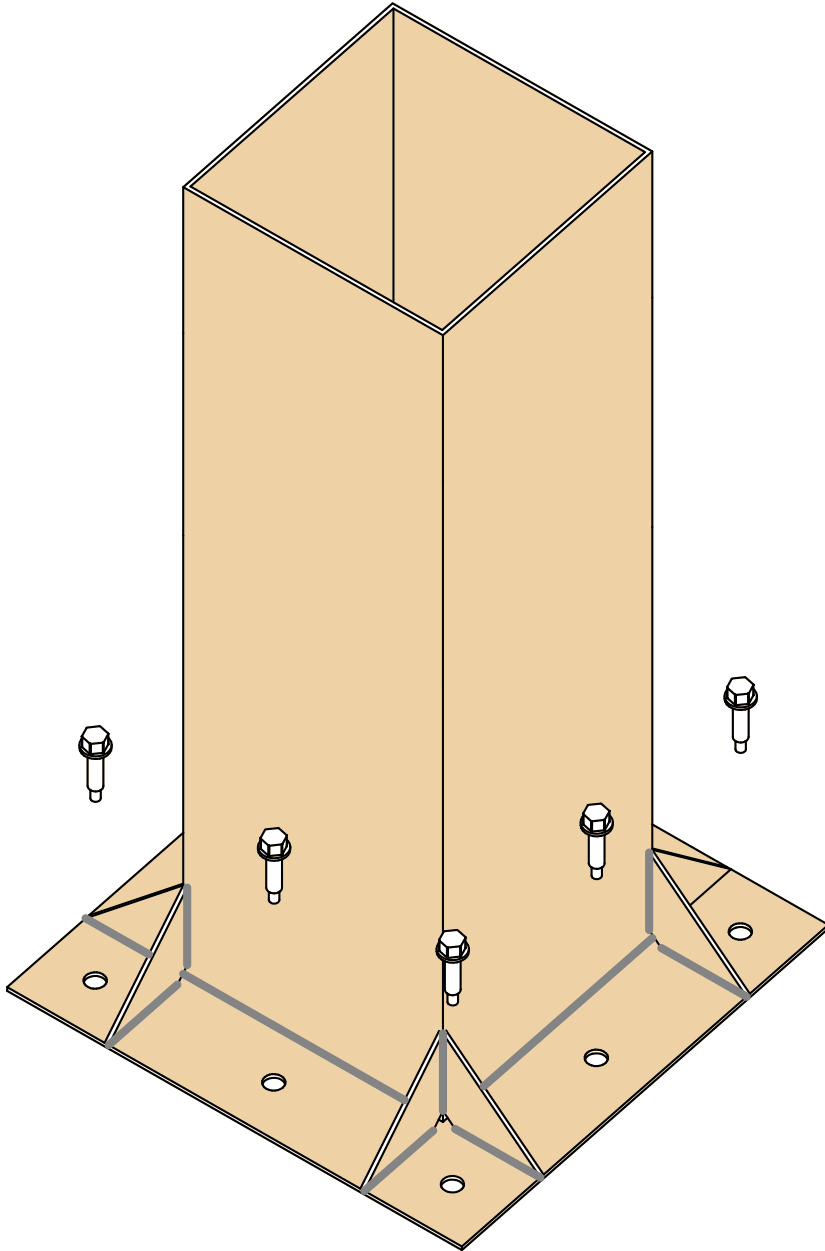
How It All Fits Together

/ POST EMBEDDED INTO FOOTER



How It All Fits Together

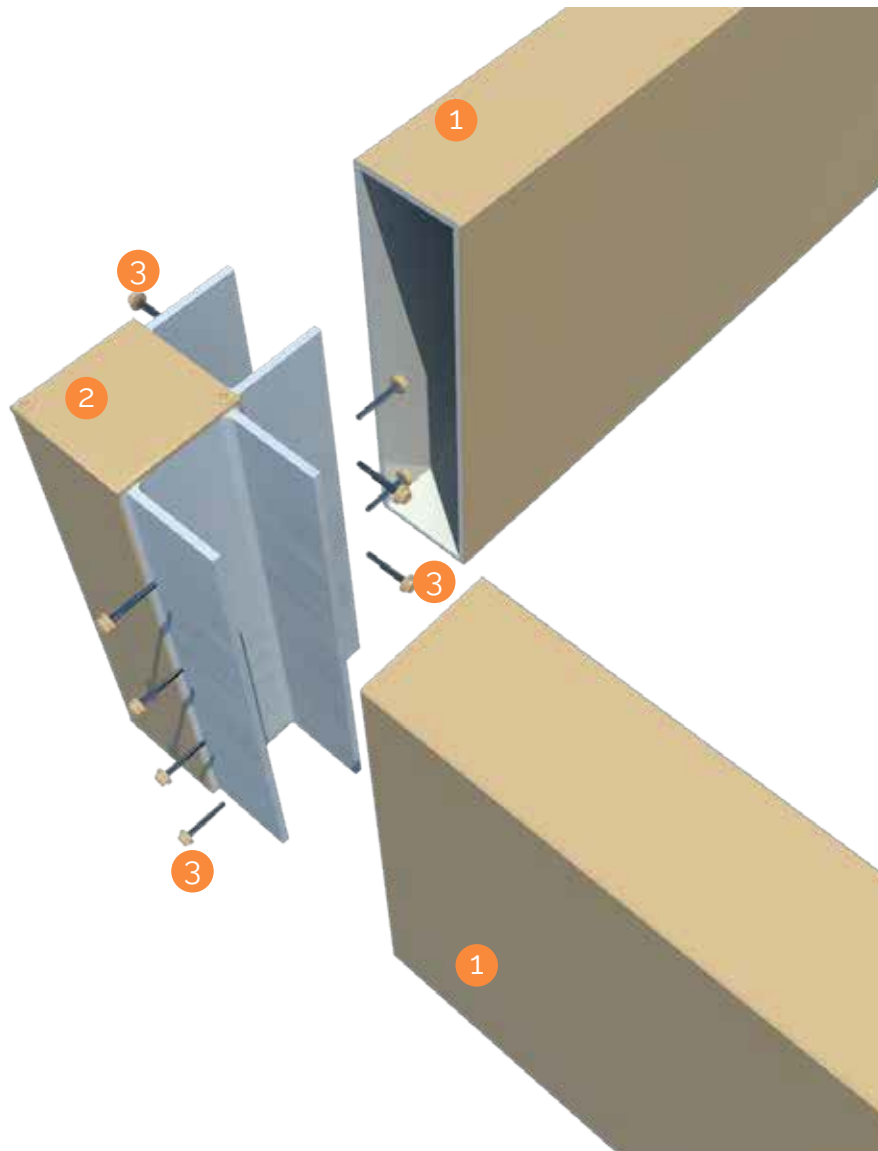
/ WELDED POST BASE



How It All Fits Together

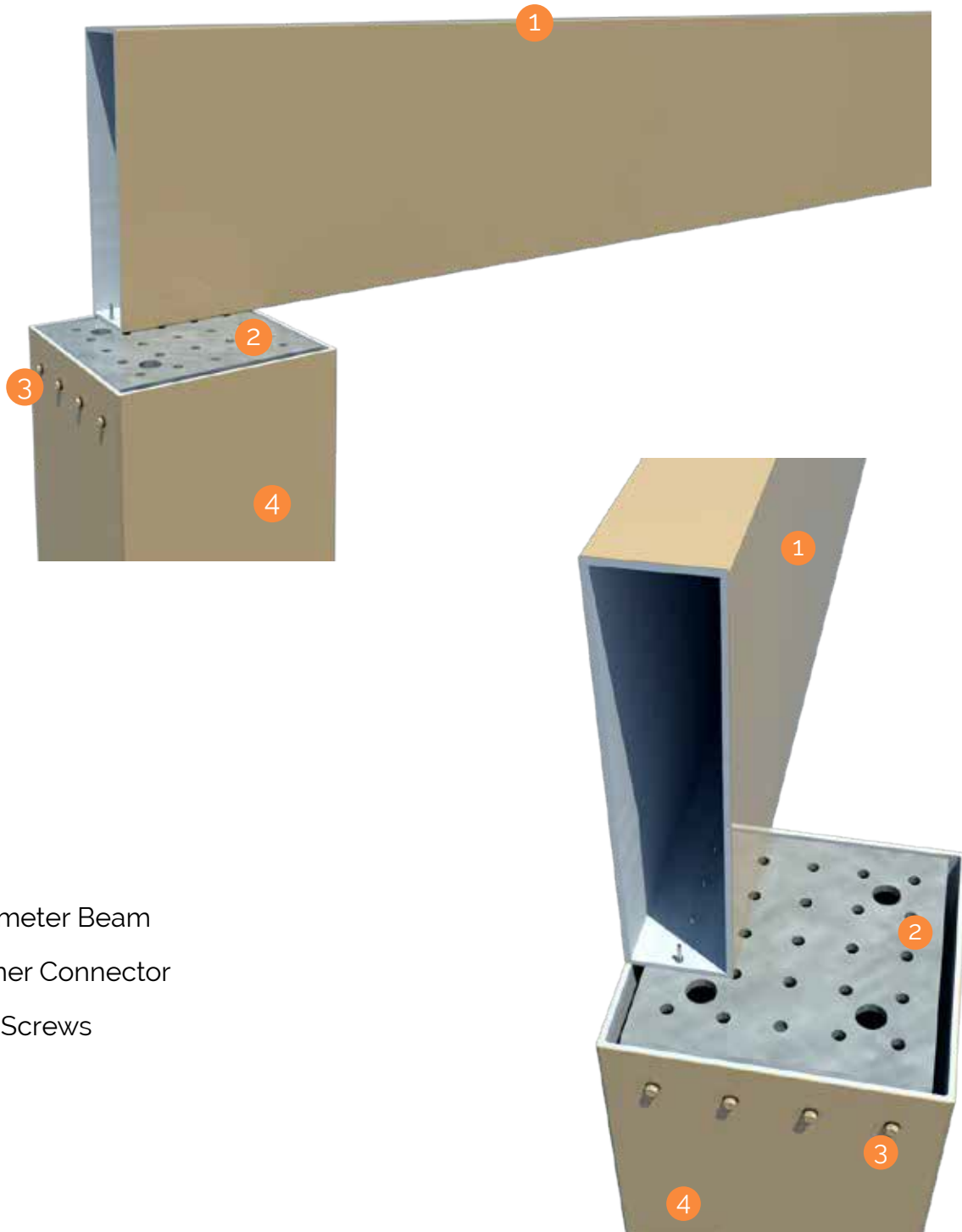
/ PERIMETER BEAM CORNER

- 1 Perimeter Beam
- 2 Corner Connector
- 3 Tek Screws



How It All Fits Together

/ PERIMETER BEAM CORNER

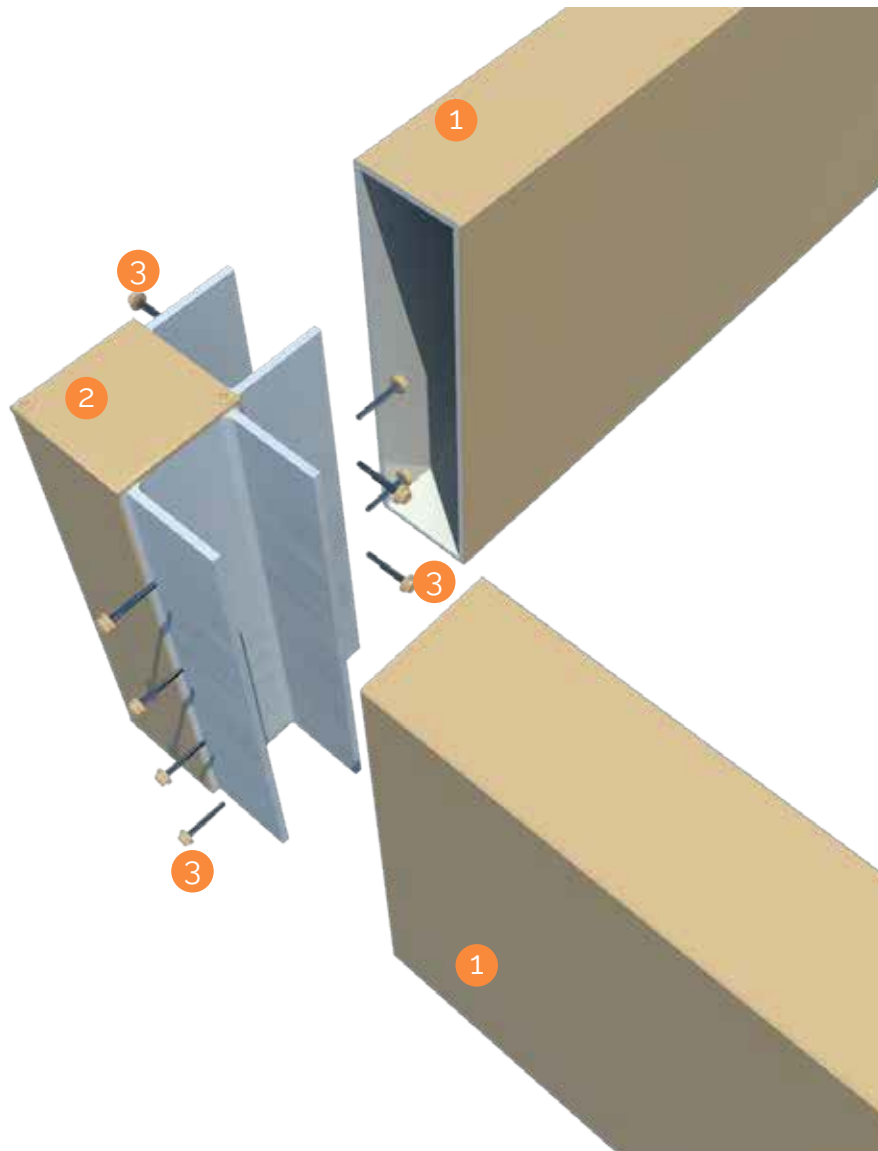


- 1 Perimeter Beam
- 2 Corner Connector
- 3 Tek Screws

How It All Fits Together

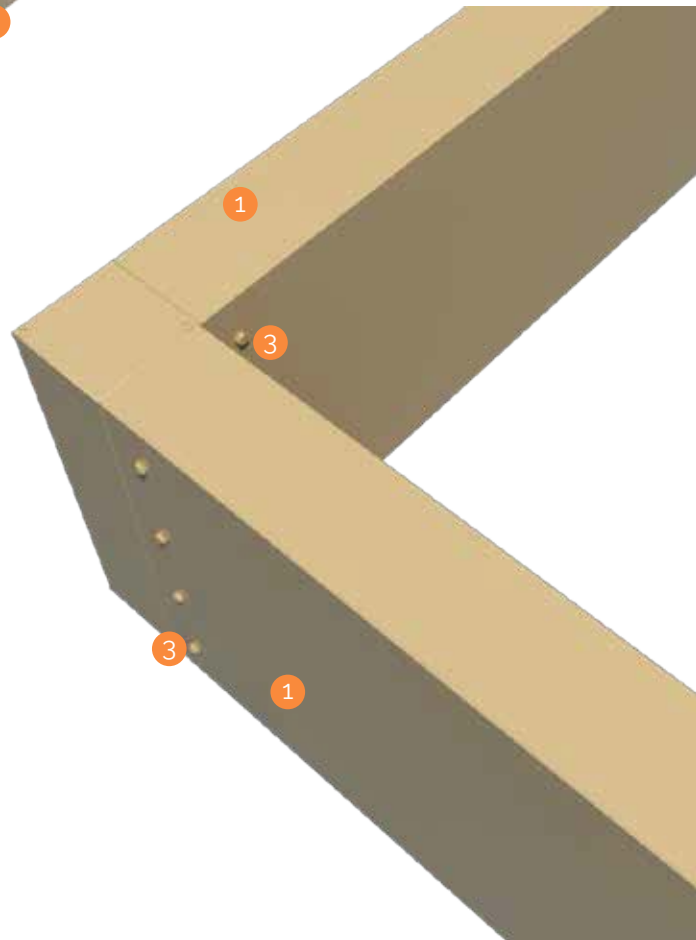
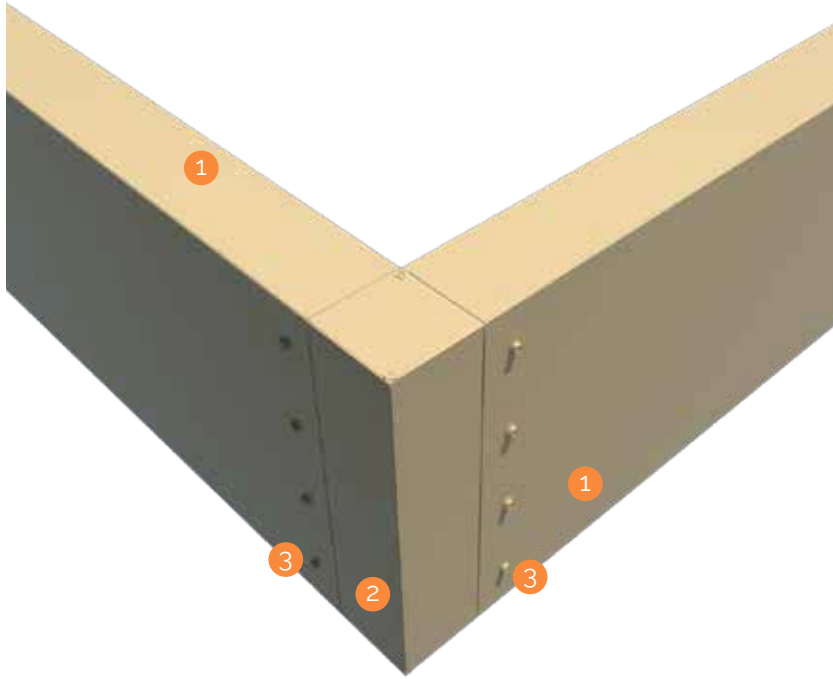
/ PERIMETER BEAM CORNER

- 1 Perimeter Beam
- 2 Corner Connector
- 3 Tek Screws



How It All Fits Together

/ PERIMETER BEAM CORNER

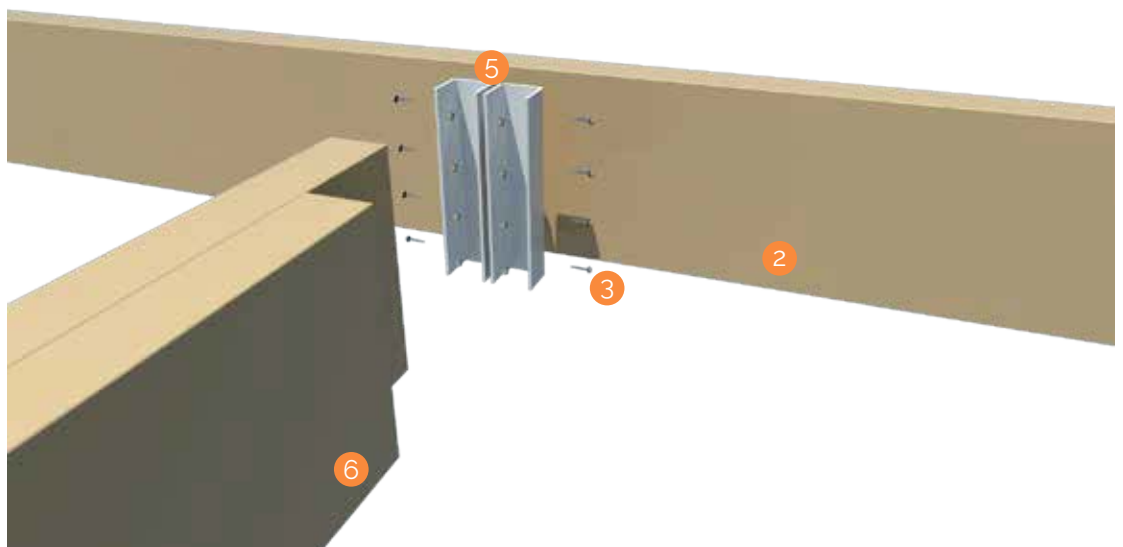
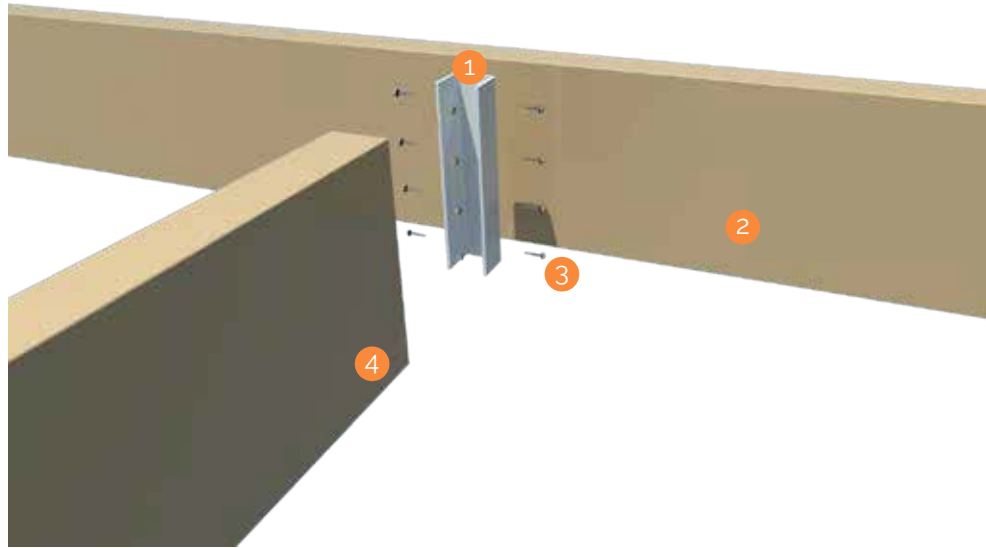


- 1 Perimeter Beam
- 2 Corner Connector
- 3 Tek Screws

How It All Fits Together

/ PERIMETER BEAM TO INTERIOR BEAM & TO DOUBLE INTERIOR BEAM

- 1 Beam to Beam Connector
- 2 Perimeter Beam
- 3 Tek Screws
- 4 Interior Beam
- 5 Double Beam to Beam Connector
- 6 Double Interior Beam



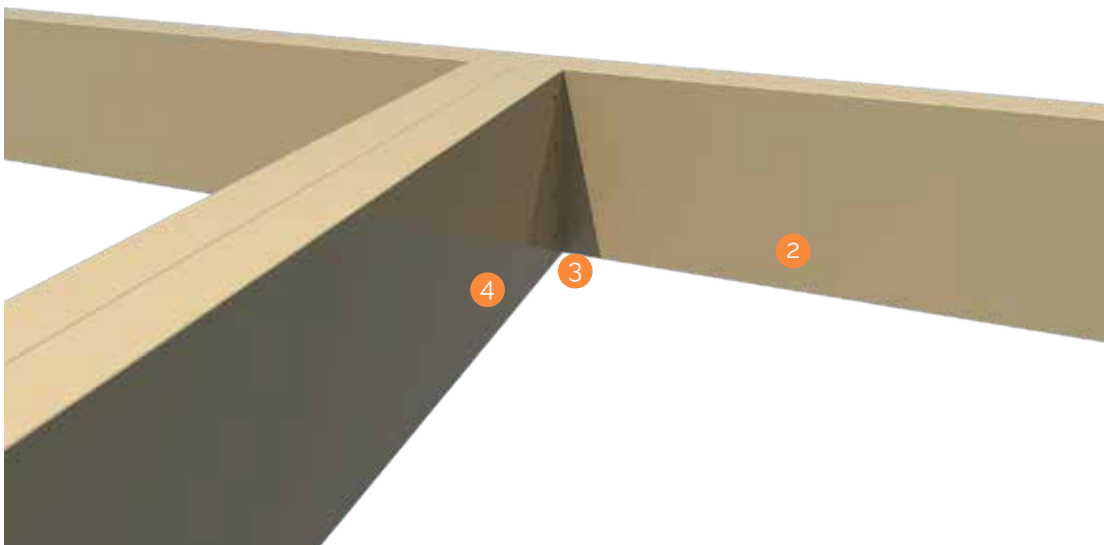
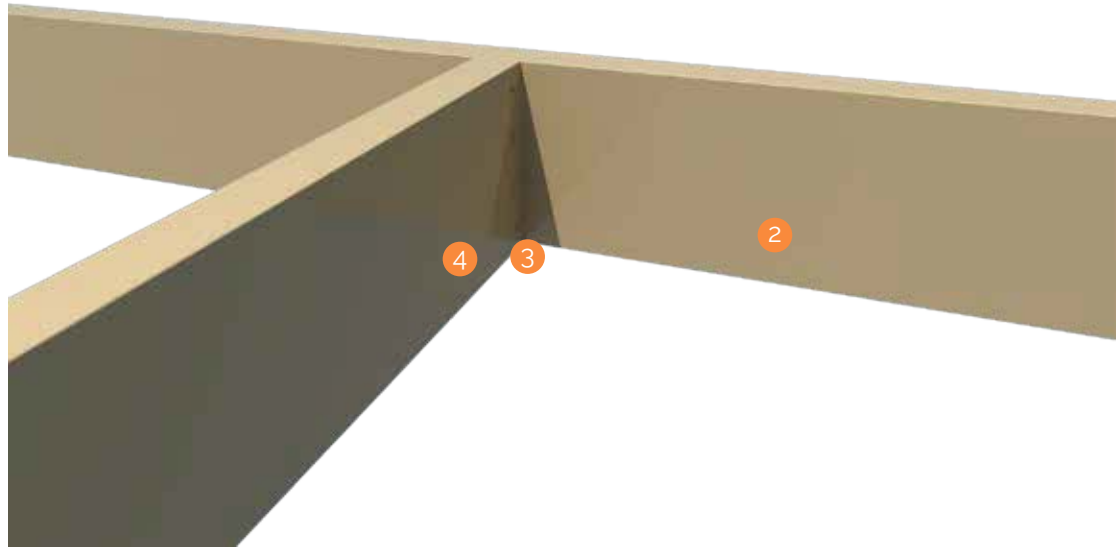
How It All Fits Together

/ PERIMETER BEAM TO INTERIOR BEAM & TO DOUBLE INTERIOR BEAM

2 Perimeter Beam

3 Tek Screws

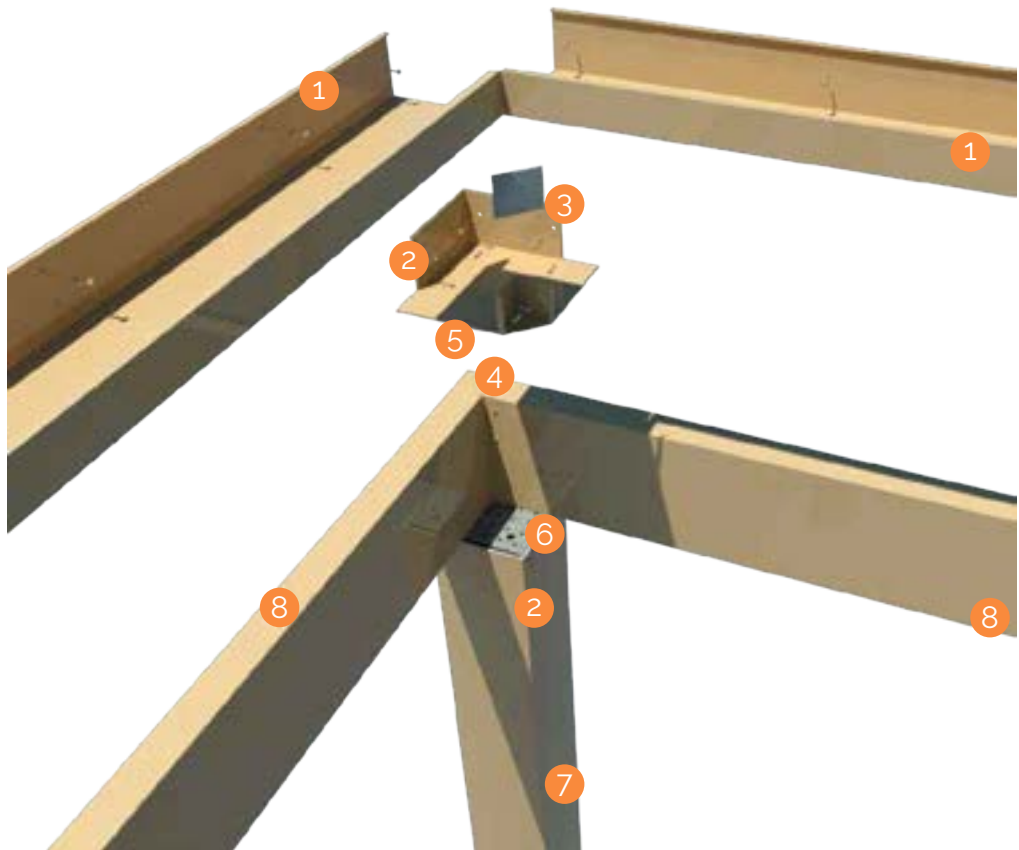
4 Interior Beam



How It All Fits Together

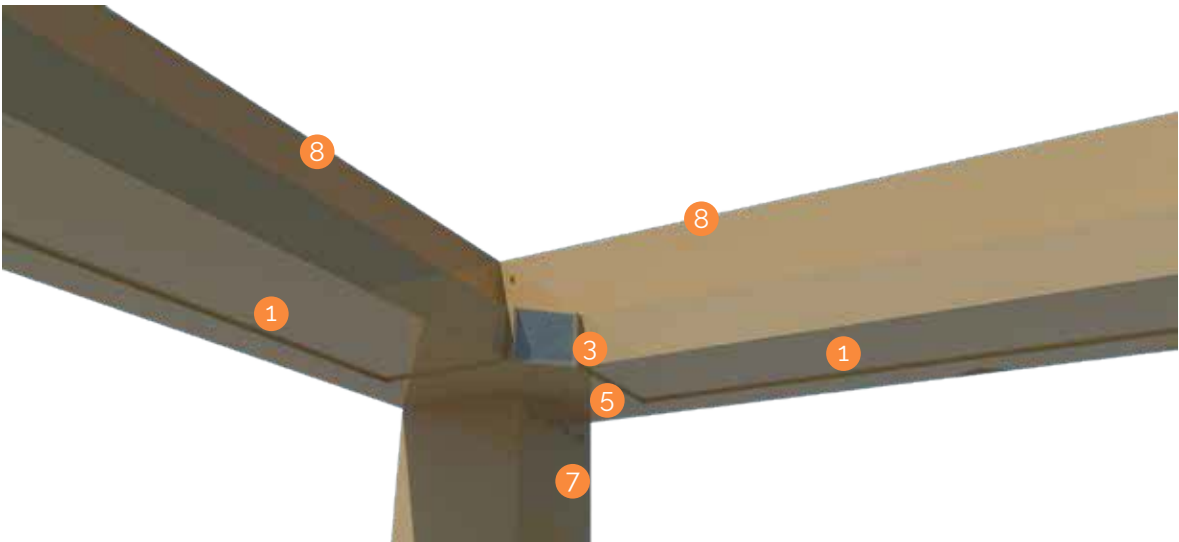
/ BEAM TO GUTTER : CORNER

- 1 Perimeter Gutter
- 2 Tek Screws
- 3 StruXure Logo Plate (Conceals Fastener)
- 4 Corner Connector
- 5 Corner Gutter
- 6 Post Bracket
- 7 Post
- 8 Perimeter Beam



How It All Fits Together

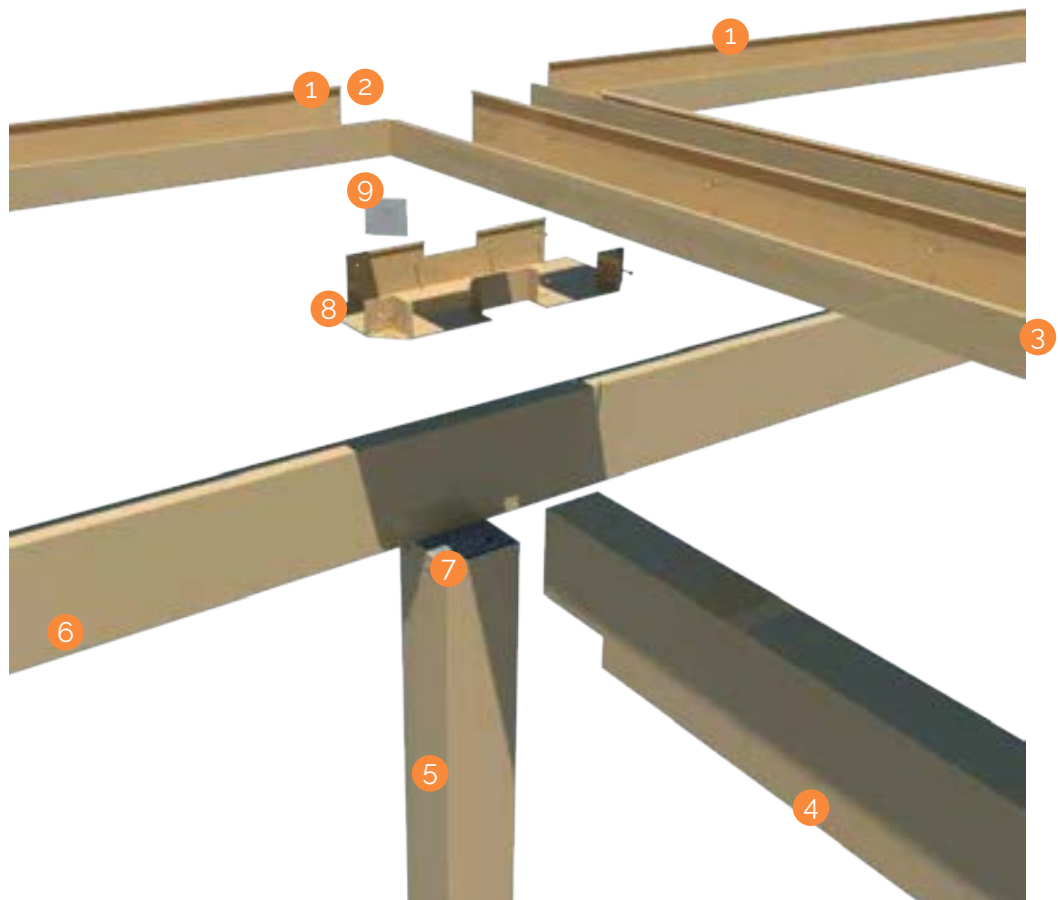
/ BEAM TO GUTTER : CORNER



How It All Fits Together

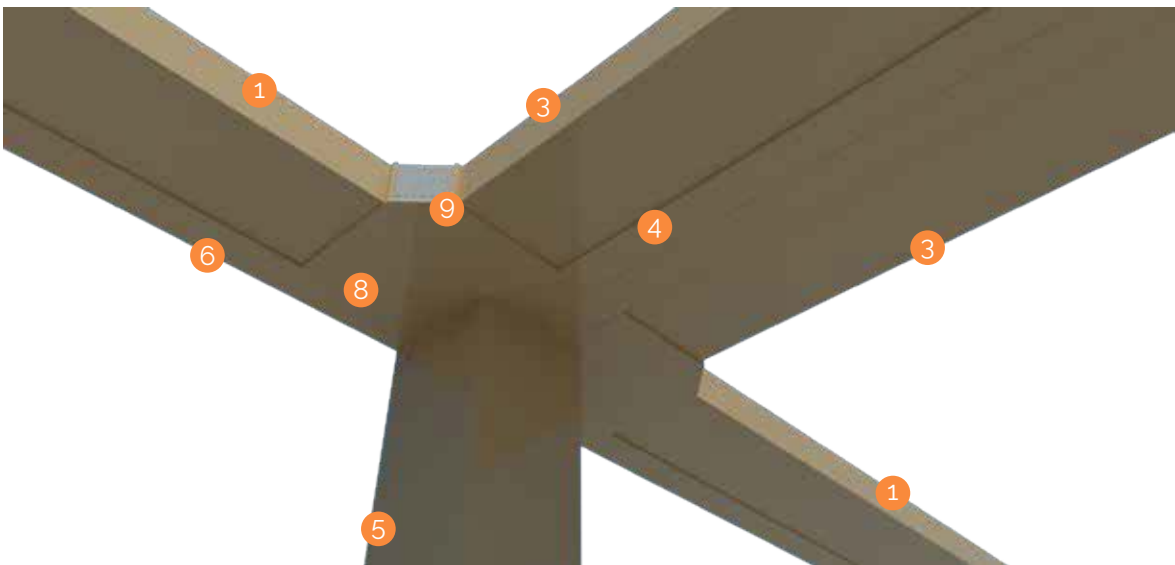
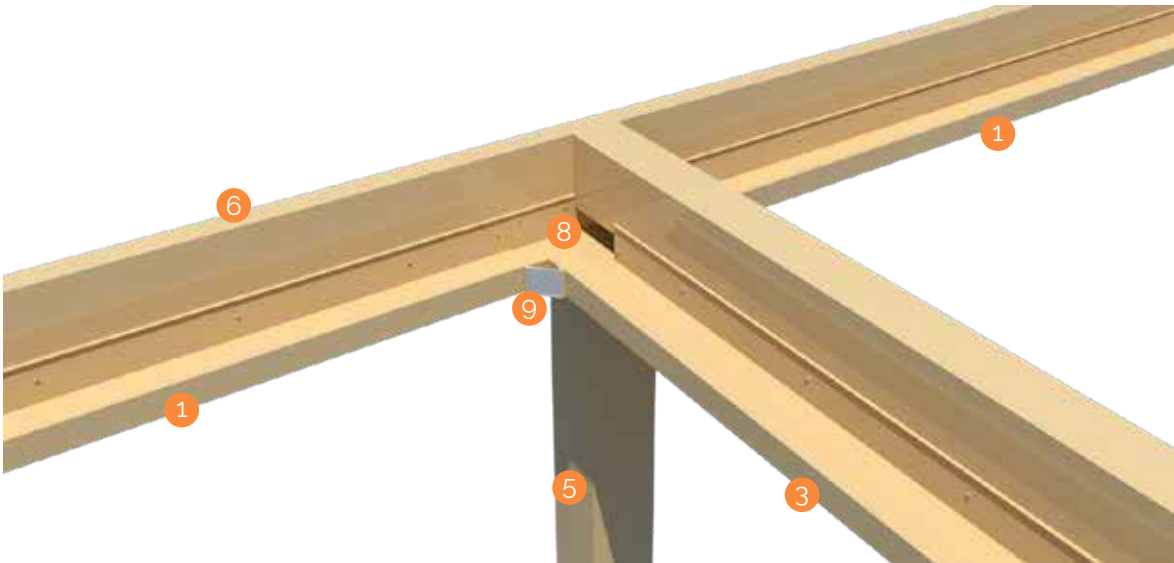
/ BEAM TO GUTTER : PASS THROUGH

- ① Perimeter Gutter
- ② Tek Screws
- ③ Interior Gutter
- ④ DBL Interior Beam
- ⑤ Post
- ⑥ Perimeter Beam
- ⑦ Post Bracket
- ⑧ Pass Through Gutter
- ⑨ StruXure Logo Plate



How It All Fits Together

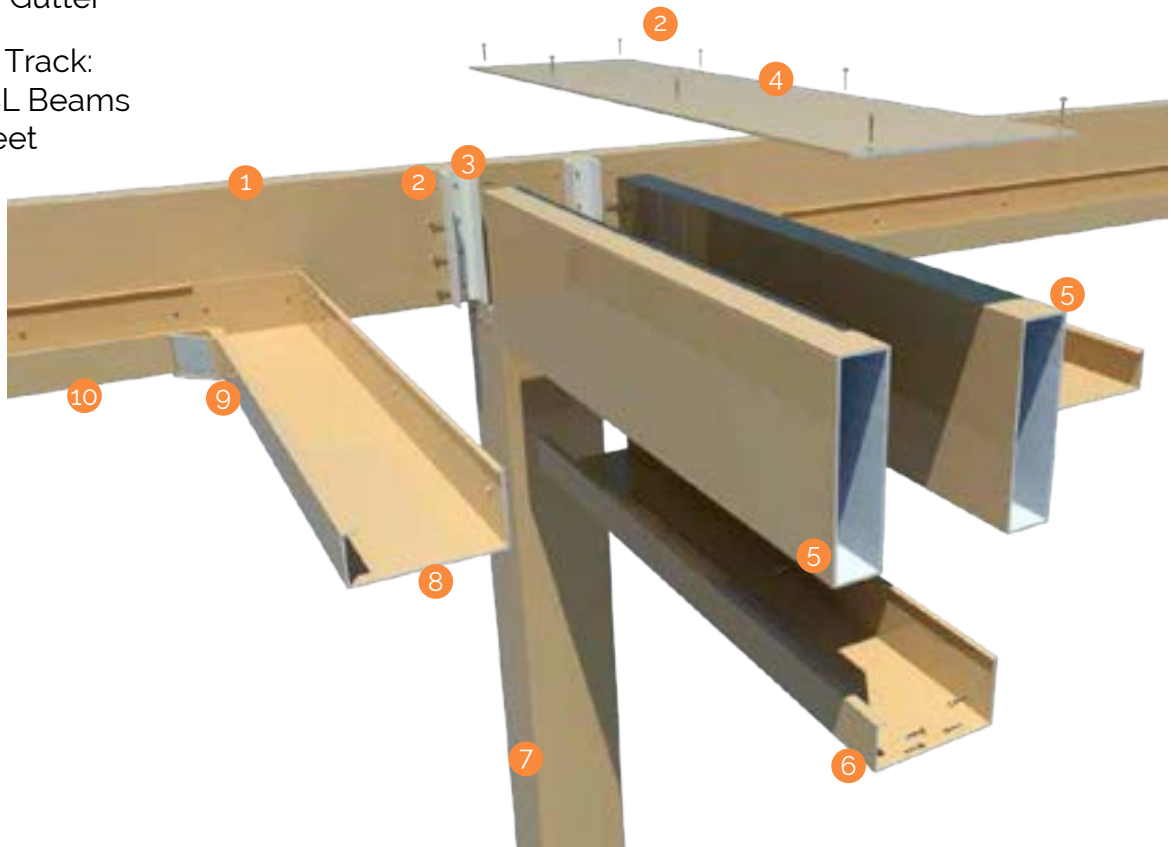
/ BEAM TO GUTTER : PASS THROUGH



How It All Fits Together

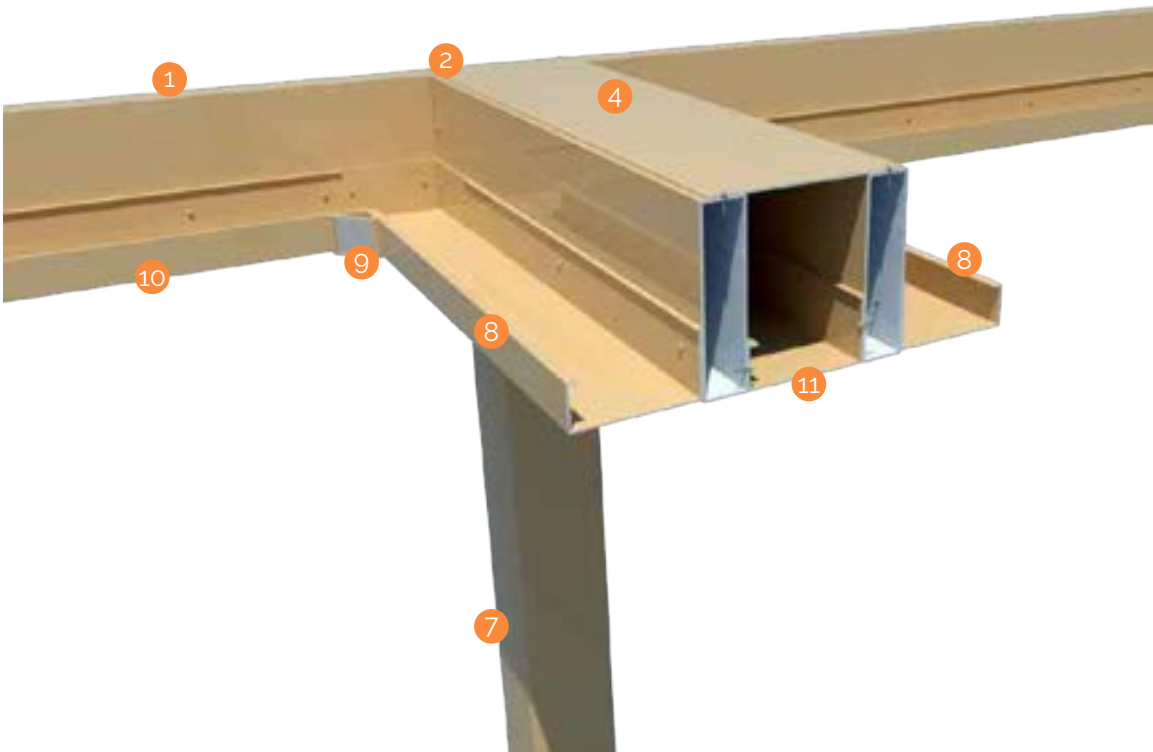
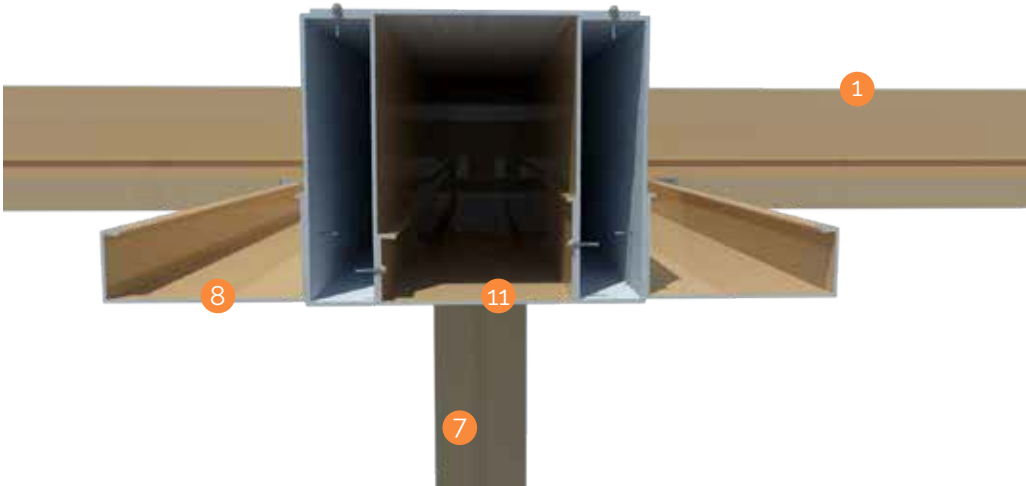
/ BEAM CHASE / CAN LIGHT TRACK

- 1 Perimeter Beam
- 2 Tek Screws
- 3 Beam to Beam Connector
- 4 Cover Sheet
- 5 Beam
- 6 Gutter
- 7 Post
- 8 Interior Gutter
- 9 Corner Gutter
- 10 Perimeter Gutter
- 11 Can Light Track:
Gutter DBL Beams
Cover Sheet



How It All Fits Together

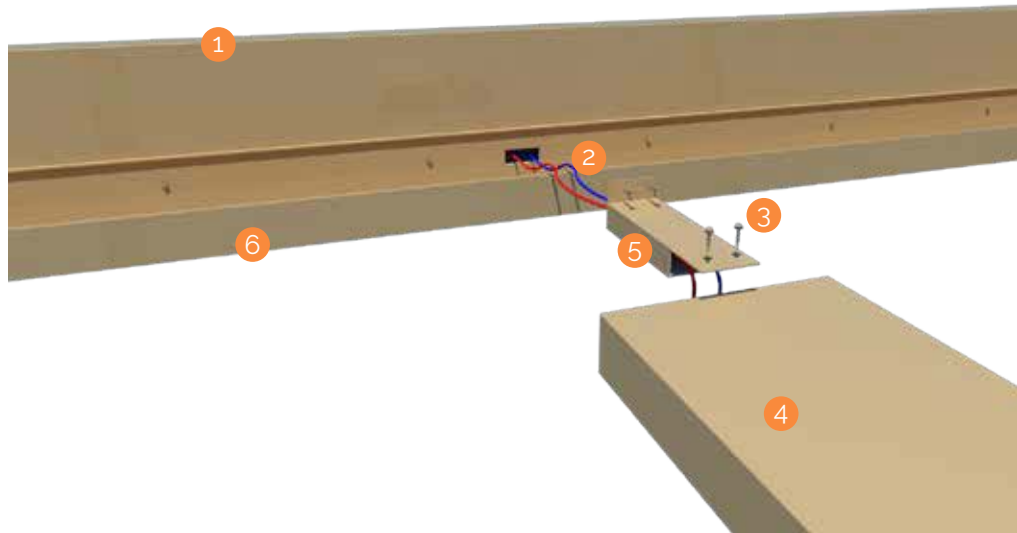
/ BEAM CHASE / CAN LIGHT TRACK



How It All Fits Together

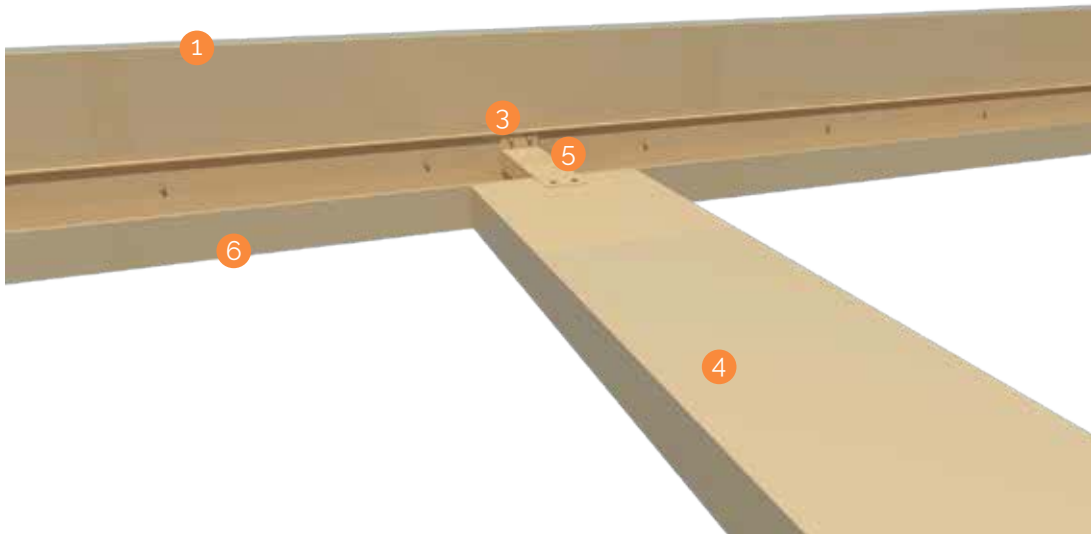
/ FAN BEAM

- 1 Perimeter Beam
- 2 Electric Cables
- 3 Tek Screws
- 4 Fan Beam (2" x 8")
- 5 Liquidtight Flexible Conduit (Provided by Others)
- 6 Perimeter Gutter
- 7 LED Light
- 8 Wood Fan with Lighting



How It All Fits Together

/ FAN BEAM

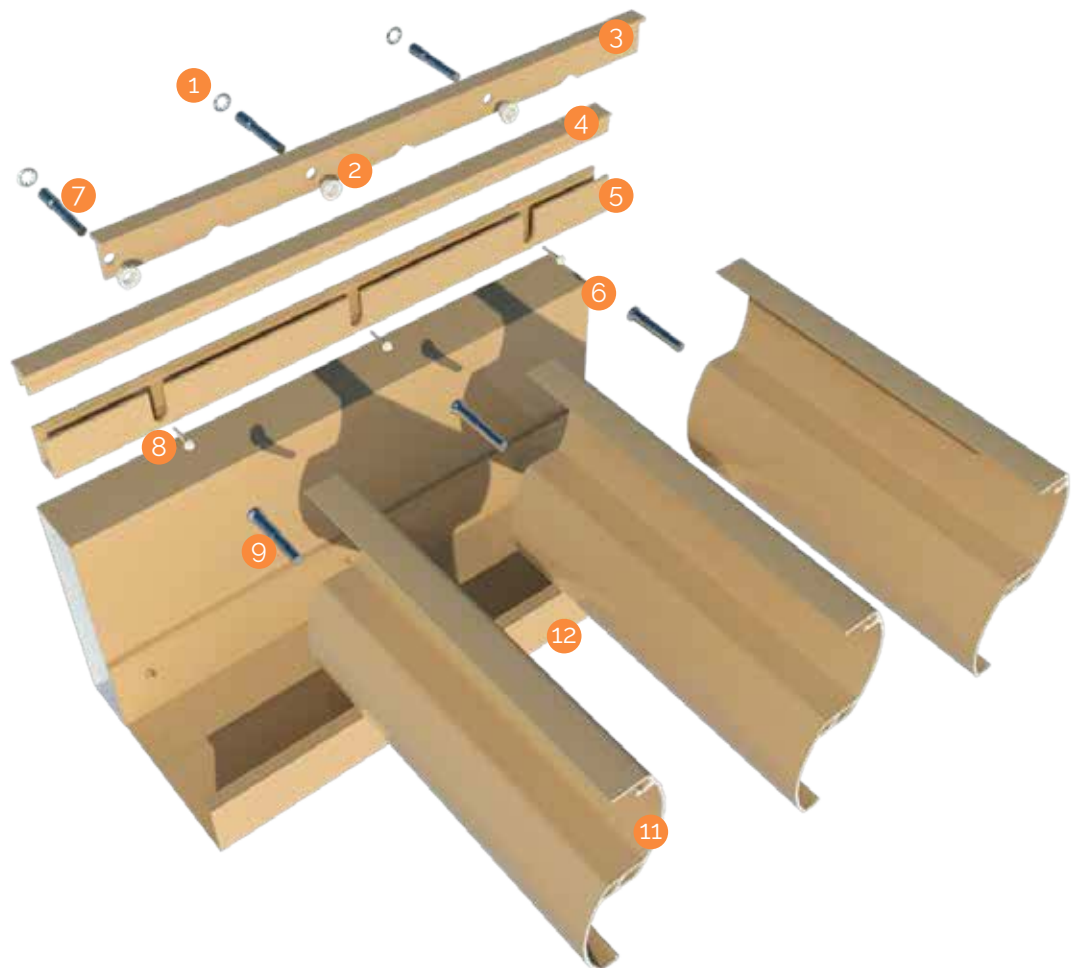


Fan to be selected and provided by client or designer. Outdoor rated fans must be selected and come in a variety of options (aluminum fan, wood fan, plastic fan, with or without lighting)

How It All Fits Together

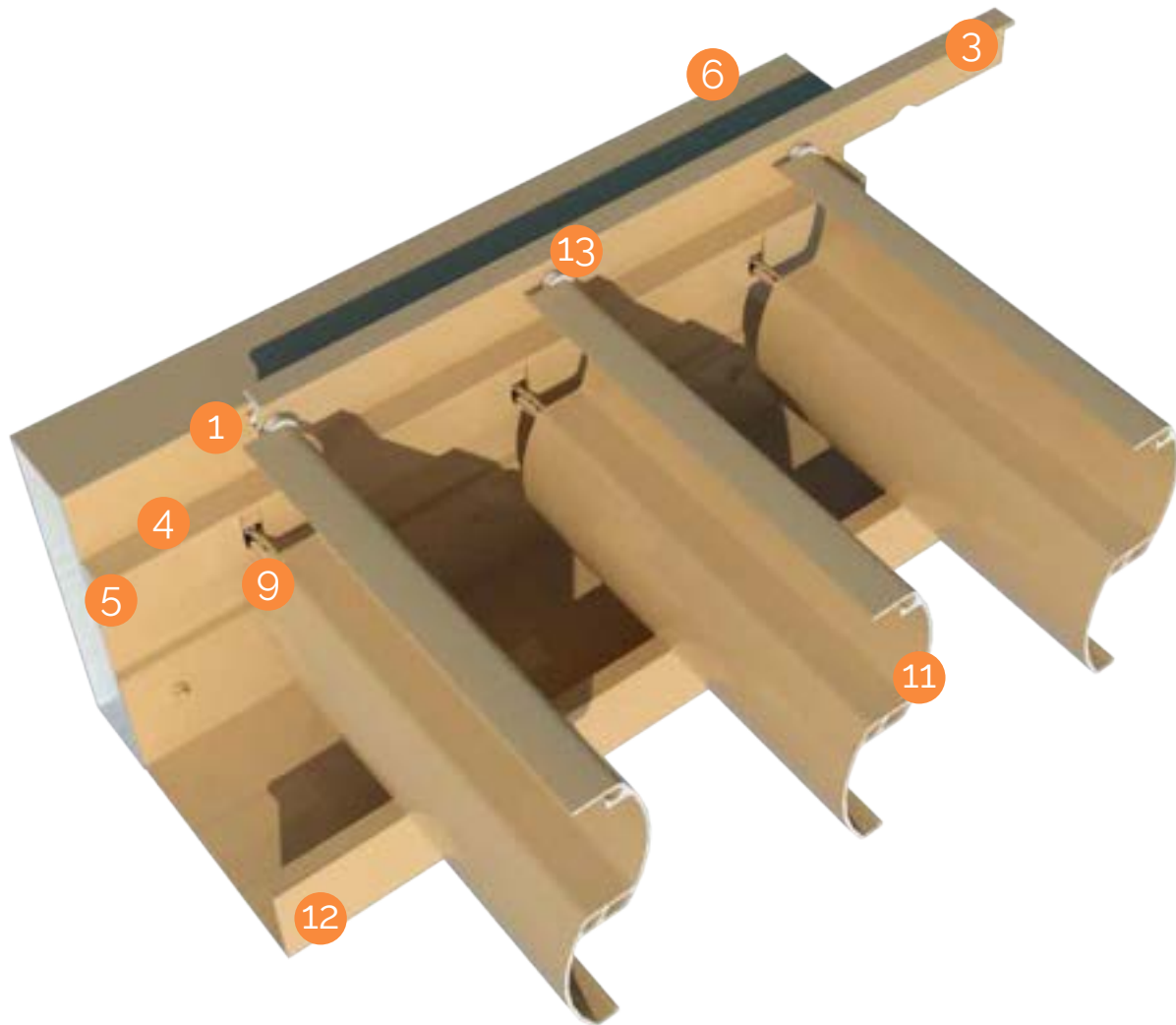
/ PIVOT LOUVERS

- 1 Push Nut
- 2 Nylon Washer
- 3 Track Bar
- 4 Pivot Bar CAP
- 5 Pivot Bar
- 6 Perimeter Beam
- 7 Lock Bar Pin
- 8 Tek Screws
- 9 Pivot Pin
- 10 Tek Screws
- 11 Louver
- 12 Perimeter Gutter
- 13 Lock Bar Pin with Nylon Washer



How It All Fits Together

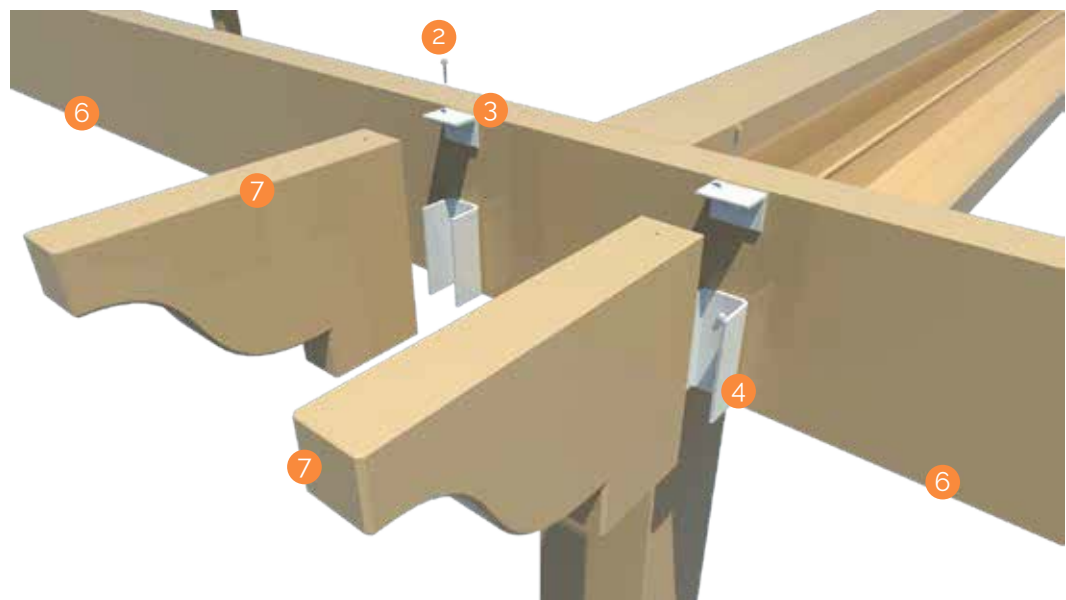
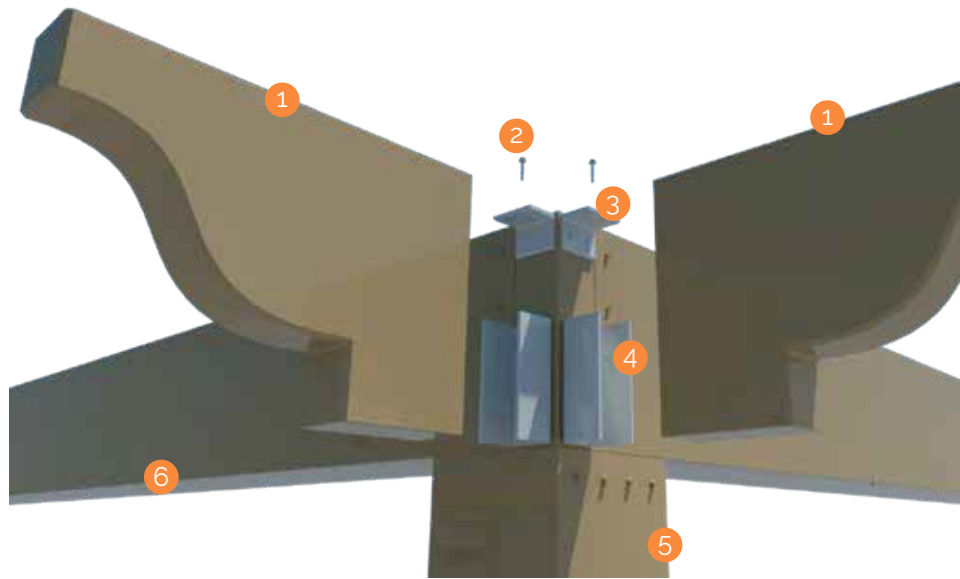
/ PIVOT LOUVERS



How It All Fits Together

/ CORBELS

- ① Corbel
- ② Tek Screws
- ③ L-Angle
- ④ U-Channel
- ⑤ Post
- ⑥ Perimeter Beam
- ⑦ Double Corbels



How It All Fits Together

/ PERIMETER BEAM TO HOST STRUCTURE "WOODEN BEAM"

- ① Lags Through Beam
- ② Wood Framed Wall
- ③ Strong Beam
- ④ Perimeter Beam
- ⑤ Lags Through Perimeter Beam



See additional attachment details to host structure: [CAD Details](#)

How It All Fits Together

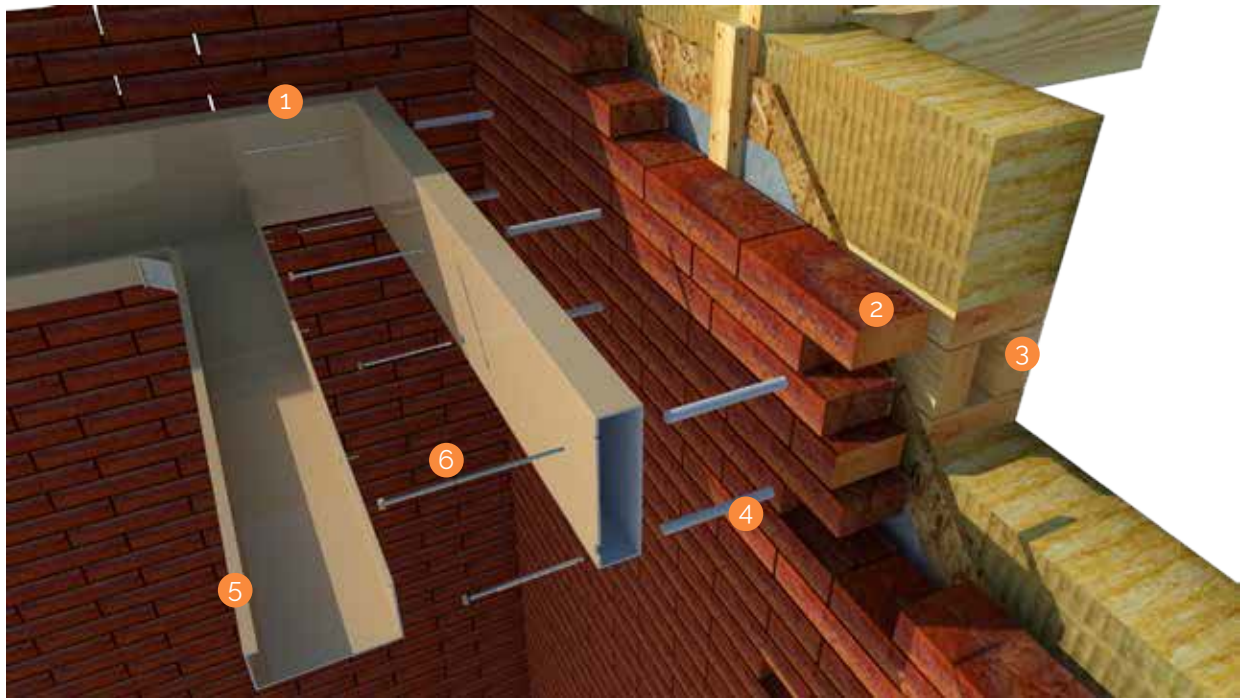
/ PERIMETER BEAM TO HOST STRUCTURE "WOODEN BEAM"



How It All Fits Together

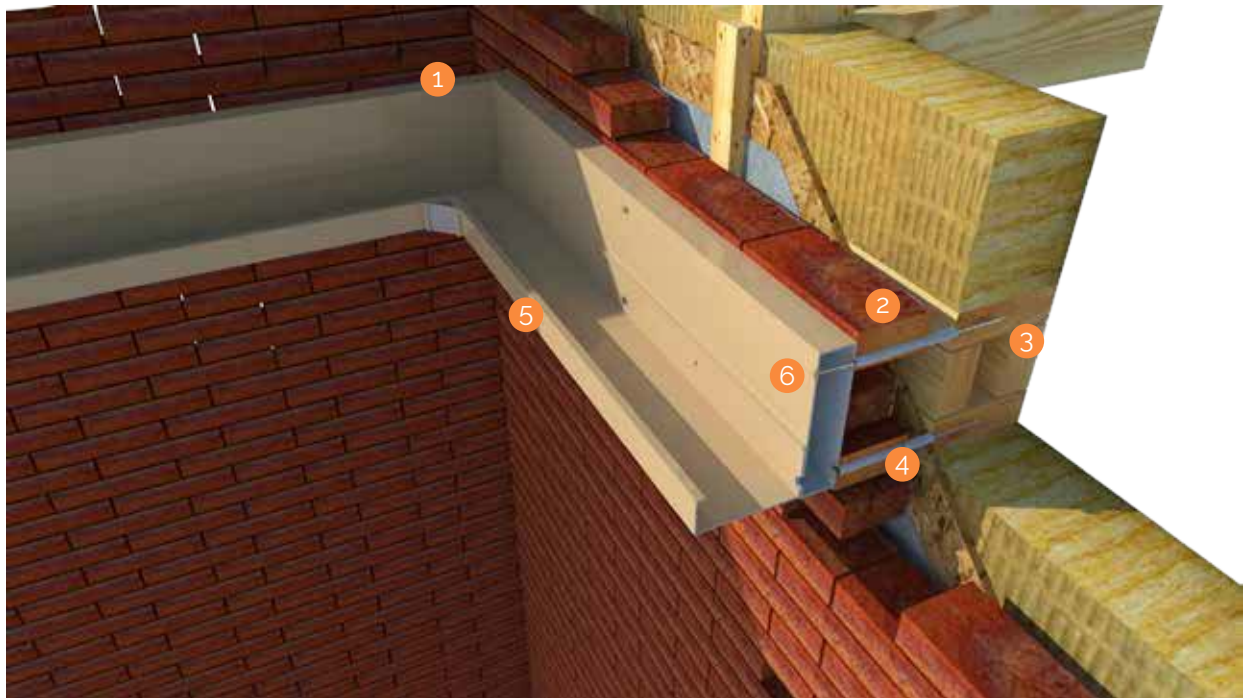
/ PERIMETER BEAM TO HOST STRUCTURE "BRICK WALL"

- ① Louvers Frame
- ② Brick Wall
- ③ Strong Beam
- ④ Compression Sleeves
- ⑤ Gutters Frame
- ⑥ Lags Through Beam



How It All Fits Together

/ PERIMETER BEAM TO HOST STRUCTURE "BRICK WALL"



How It All Fits Together

/ PERIMETER BEAM TO HOST STRUCTURE "FASCIA"

- ① Louvers Frame
- ② Existing Gutter
- ③ Roof Structure
- ④ Fascia
- ⑤ Beam
- ⑥ Lags Through Beam
- ⑦ Gutter
- ⑧ Beam Spacer:
Beam from Louvers Frame
Gutter Beam

IMPORTANT NOTE:

Louver motor requires a minimum 15" clearance to host structure in order to allow full range of motion for louver operation.



How It All Fits Together

/ PERIMETER BEAM TO HOST STRUCTURE "FASCIA"



How It All Fits Together

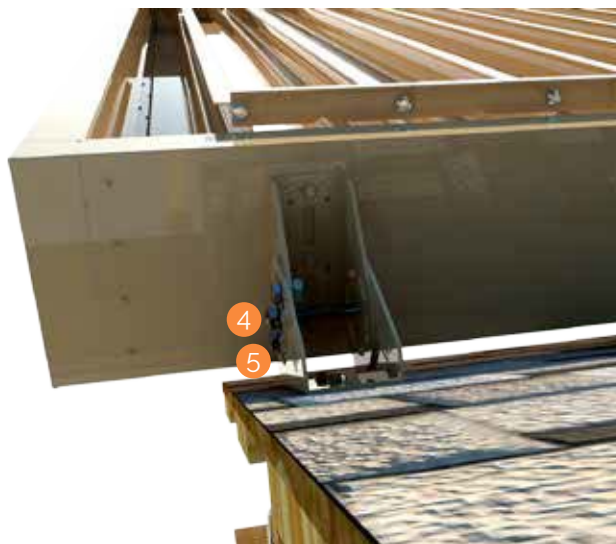
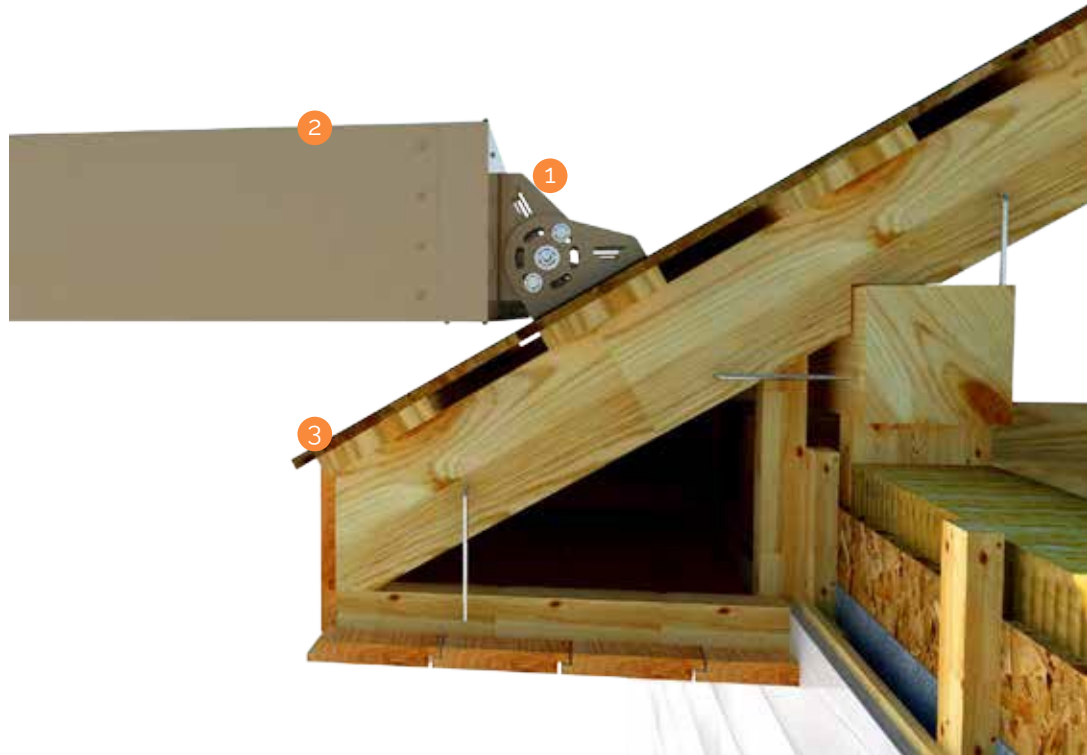
/ PERIMETER BEAM TO HOST STRUCTURE "ROOF"

- ① Roof Mount Bracket
- ② Louvers Frame
- ③ Roof Structure
- ④ Axle Bolt
- ⑤ Locking Bolt



How It All Fits Together

/ PERIMETER BEAM TO HOST STRUCTURE "ROOF"



How It All Fits Together

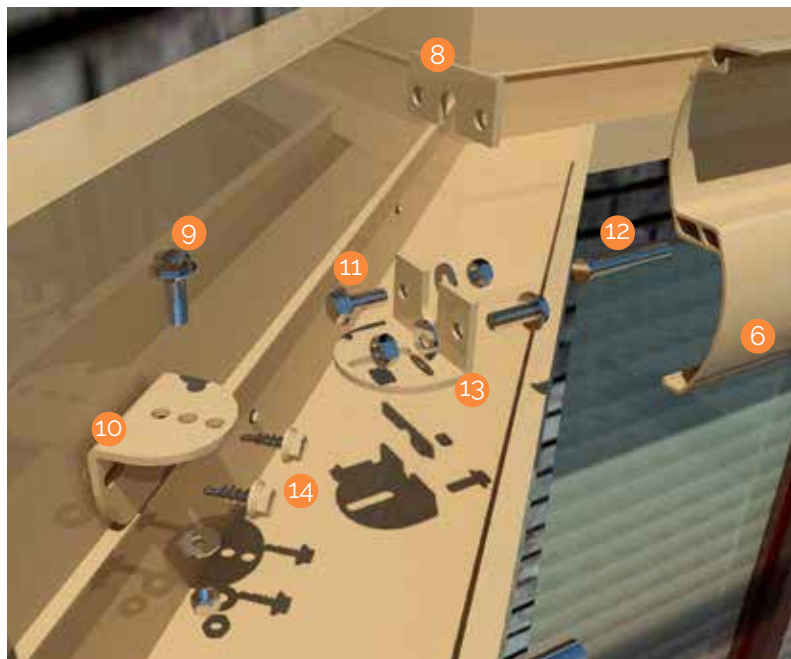
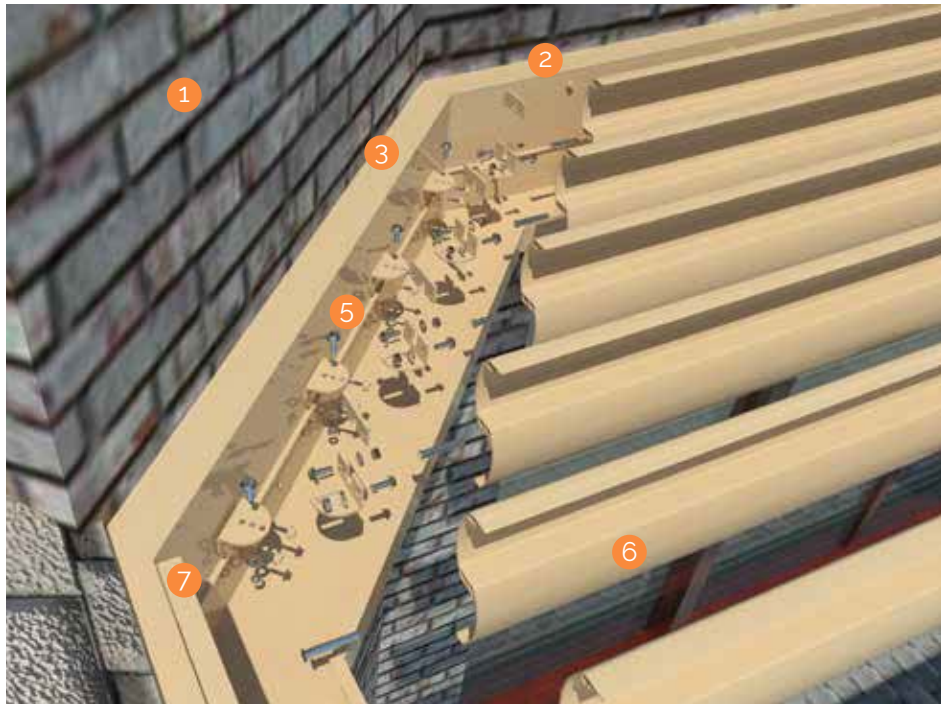
/ LOUVERS TO HOST STRUCTURE "ANGLE BEAM"

- 1 Angle Wall
- 2 Perimeter Beam
- 3 Angle Beam
- 4 Angle Bracket
- 5 Angle Gutter
- 6 Louver
- 7 Pivot Bar CAP
- 8 Clamping Plate
- 9 Axle Bolt
- 10 Support
- 11 Locking Bolt
- 12 Pivot Pin
- 13 Swivel Head
- 14 Tek Screws



How It All Fits Together

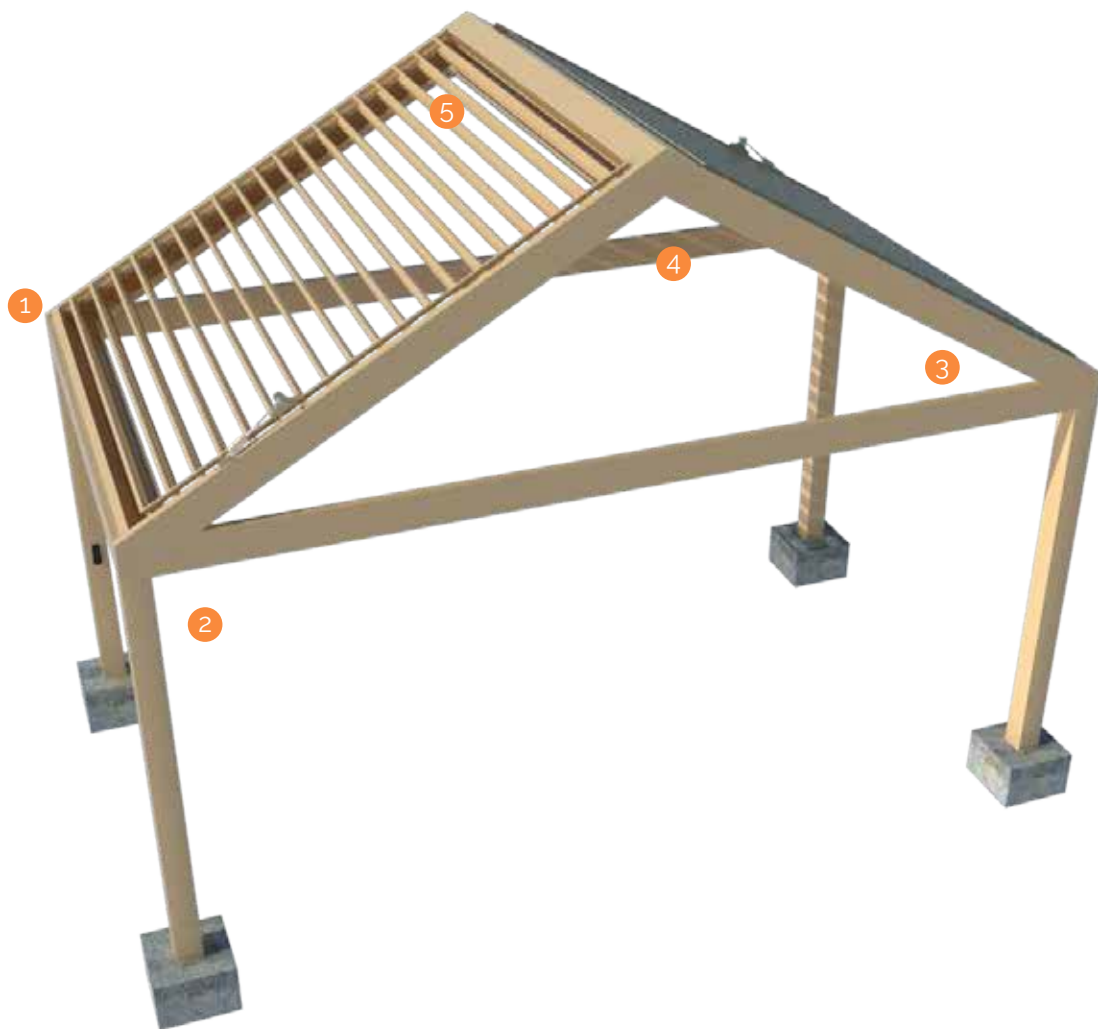
/ LOUVERS TO HOST STRUCTURE "ANGLE BEAM"



How It All Fits Together

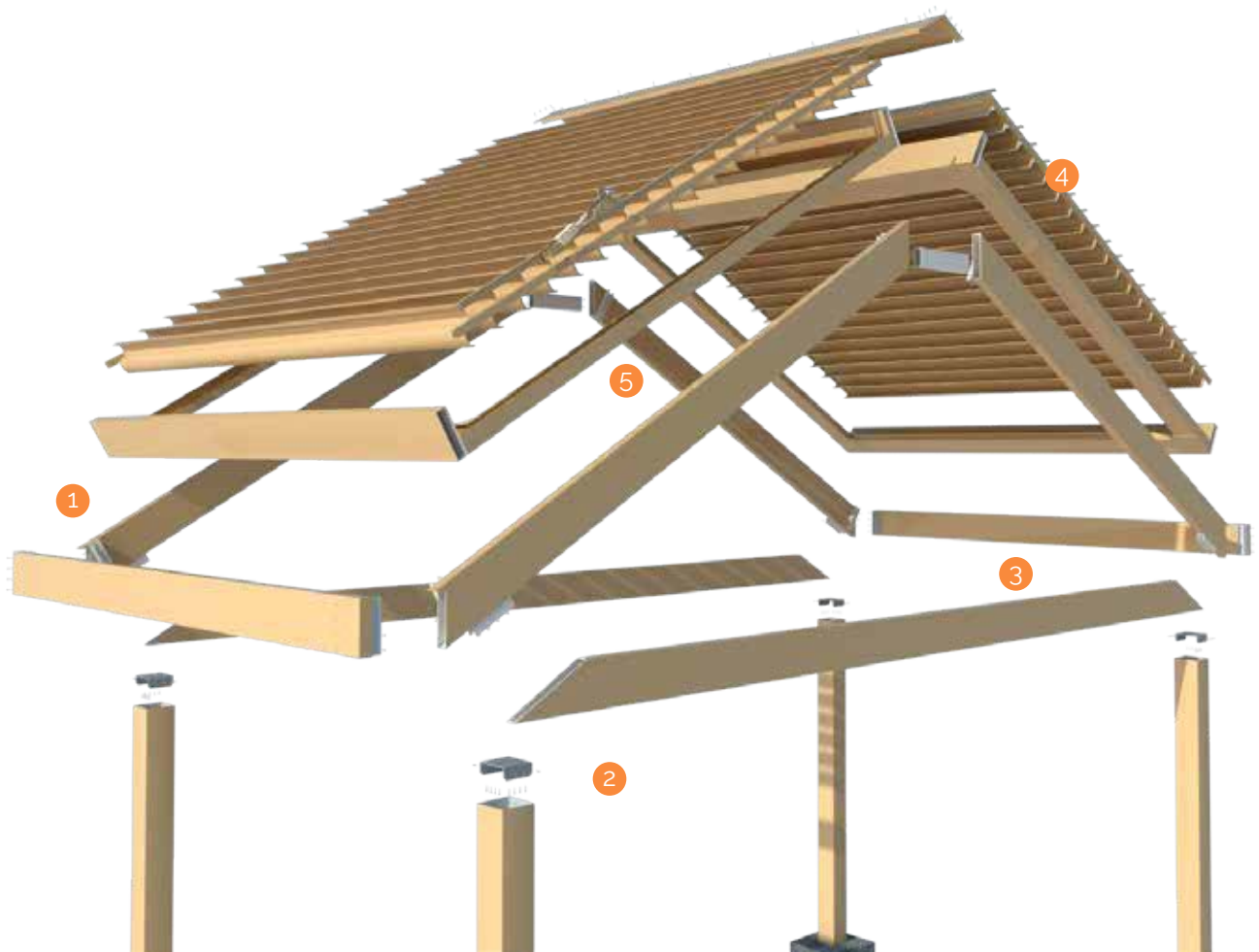
/ GABLE SYSTEM / DISASSEMBLY

- 1 Corner Assembly (Top)
- 2 Corner Assembly (Outside)
- 3 Corner Assembly (Inside)
- 4 Ridge Connections (Outside)
- 5 Ridge Connections (Inside)



How It All Fits Together

/ GABLE SYSTEM / DISASSEMBLY

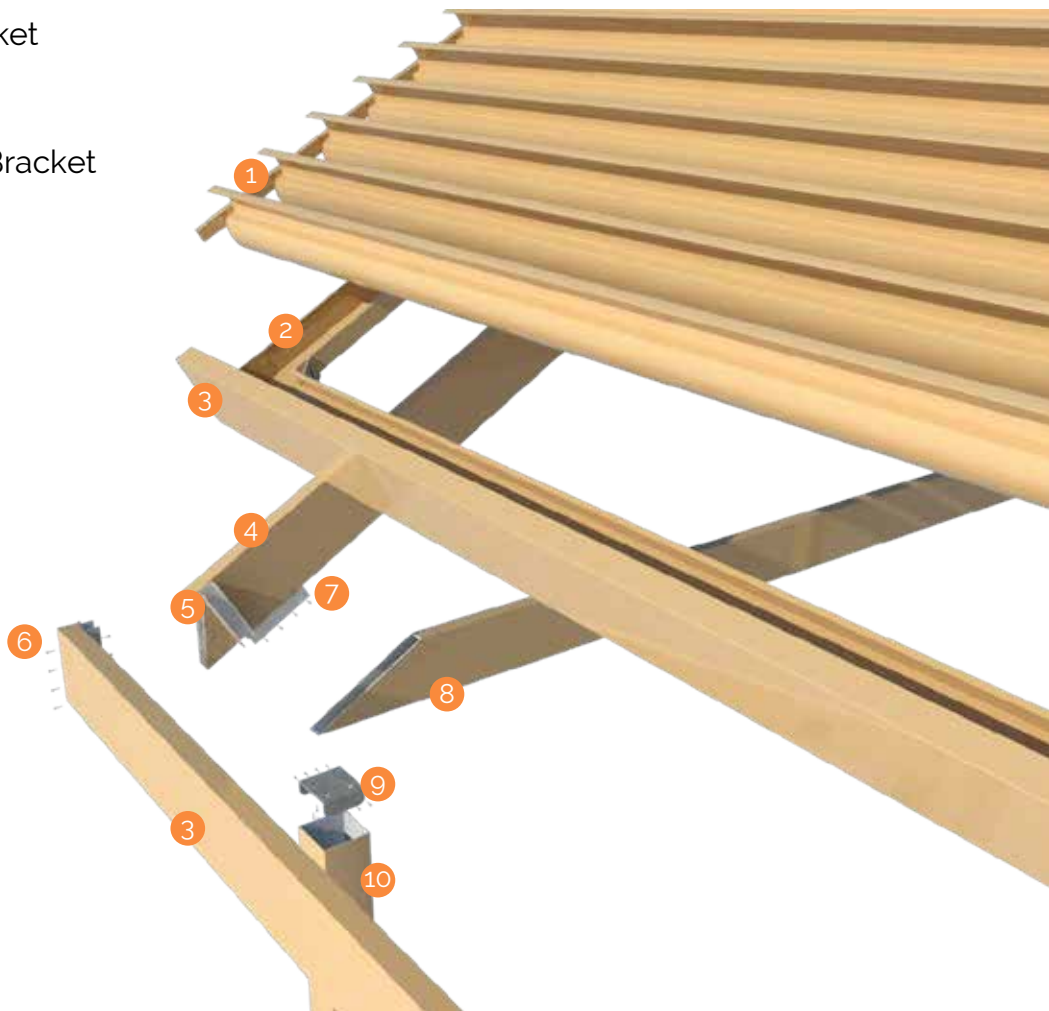


Designs vary per engineering requirements.

How It All Fits Together

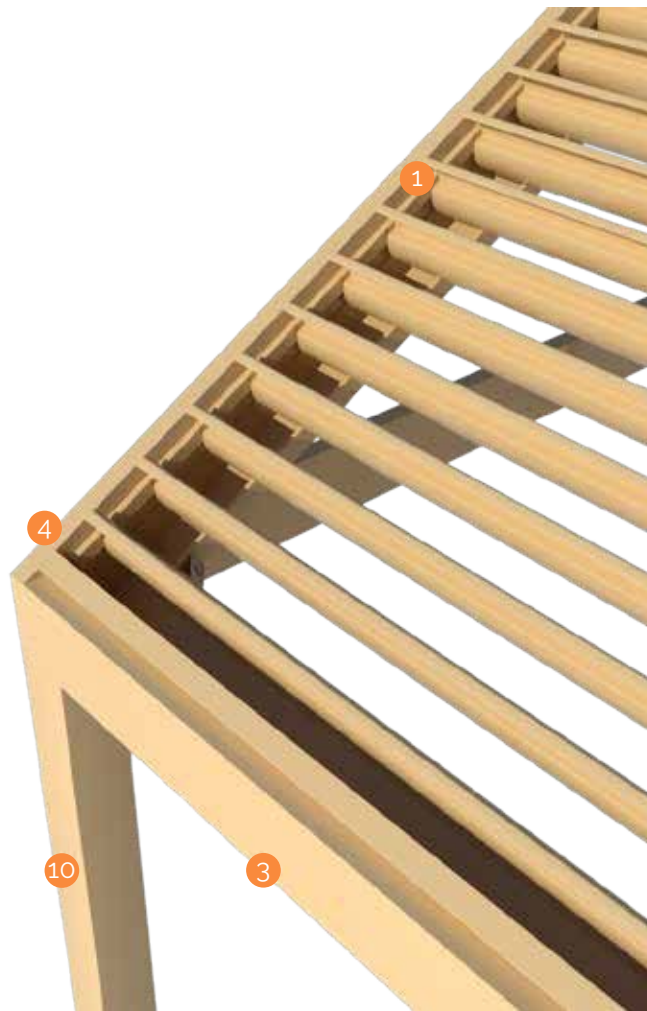
/ GABLE SYSTEM / CORNER ASSEMBLY (TOP)

- 1 Louvers System
- 2 Gutters System
- 3 Perimeter Beam
- 4 Rafter
- 5 Beam to Beam Connector
- 6 Tek Screws
- 7 Collar Tie Bracket
- 8 Collar Tie
- 9 Beam to Post Bracket
- 10 Post



How It All Fits Together

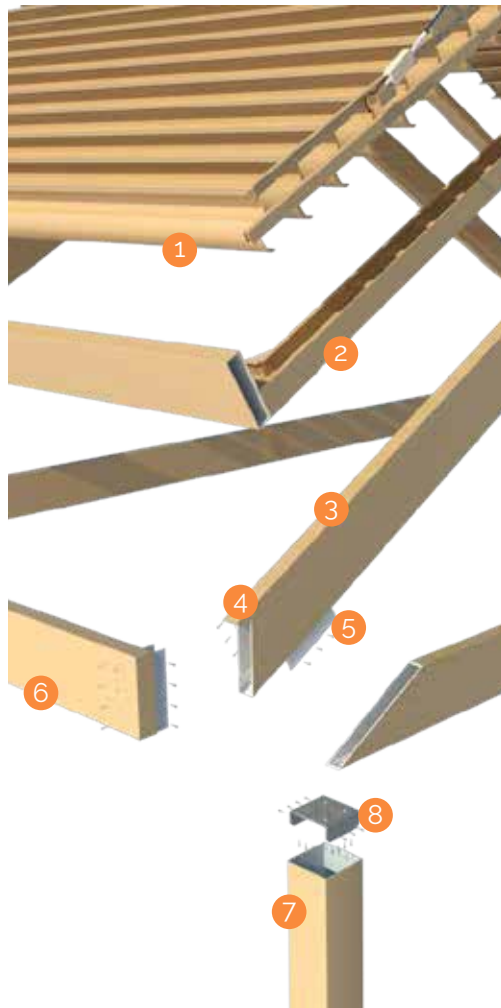
/ GABLE SYSTEM / CORNER ASSEMBLY (TOP)



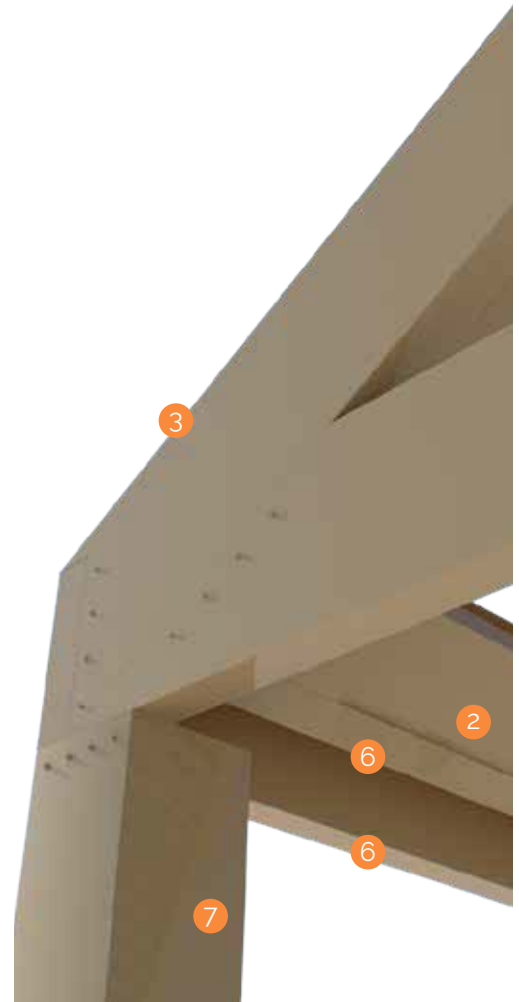
How It All Fits Together

/ GABLE SYSTEM / CORNER ASSEMBLY (OUTSIDE/INSIDE)

- 1 Louvers System
- 2 Gutters System
- 3 Rafter
- 4 Beam to Beam Connector
- 5 Collar Tie Bracket
- 6 Perimeter Beam
- 7 Post
- 8 Beam to Post Bracket
- 9 Collar Tie



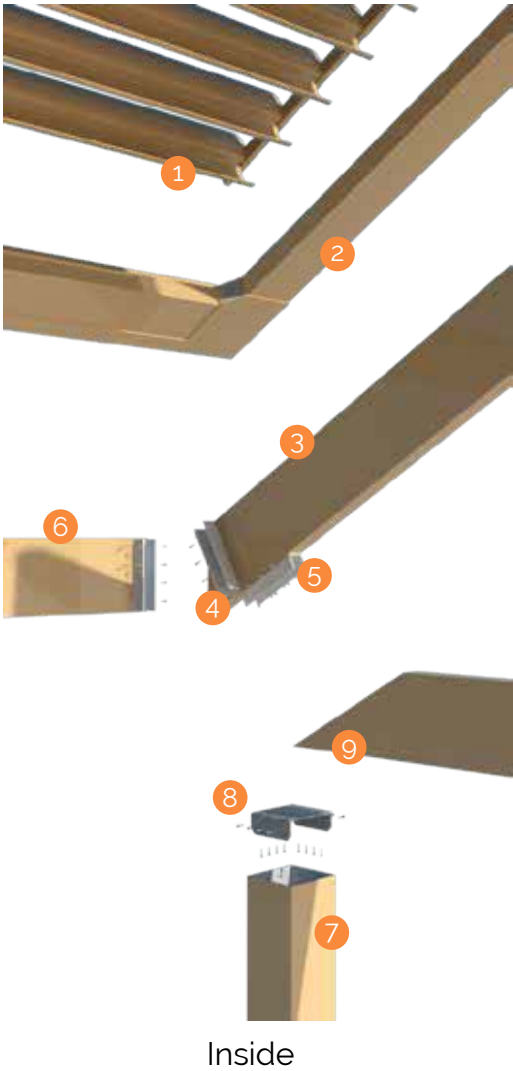
Outside



Outside

How It All Fits Together

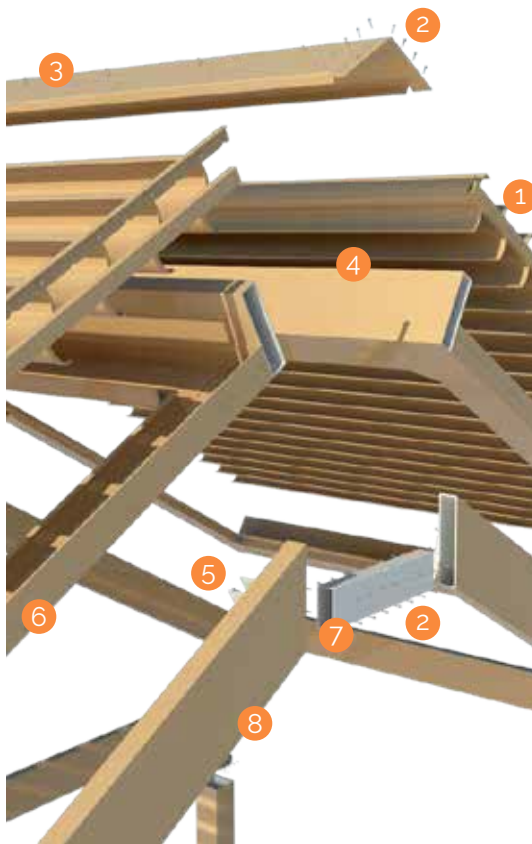
/ GABLE SYSTEM / CORNER ASSEMBLY (OUTSIDE/INSIDE)



How It All Fits Together

/ GABLE SYSTEM / RIDGE CONNECTIONS (OUTSIDE/INSIDE)

- 1 Louvers System
- 2 Tek Screws
- 3 Ridge Cap (not provided in kit)
- 4 Interior Beam
- 5 Beam to Beam Connector
- 6 Gutters System
- 7 Splice Tube
- 8 Rafter



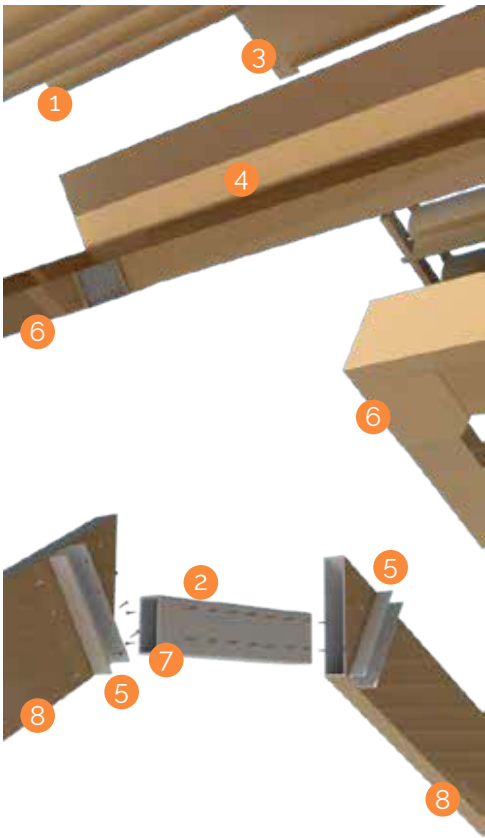
Outside



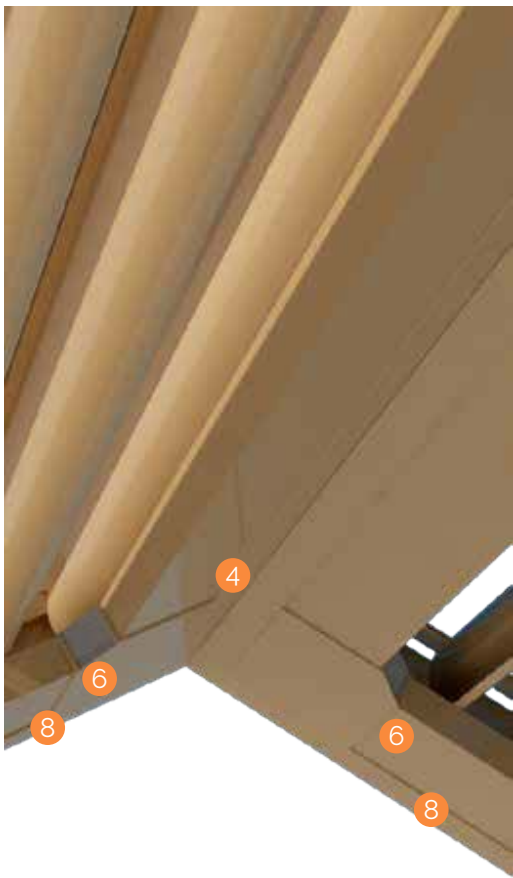
Outside

How It All Fits Together

/ GABLE SYSTEM / RIDGE CONNECTIONS (OUTSIDE/INSIDE)



Inside

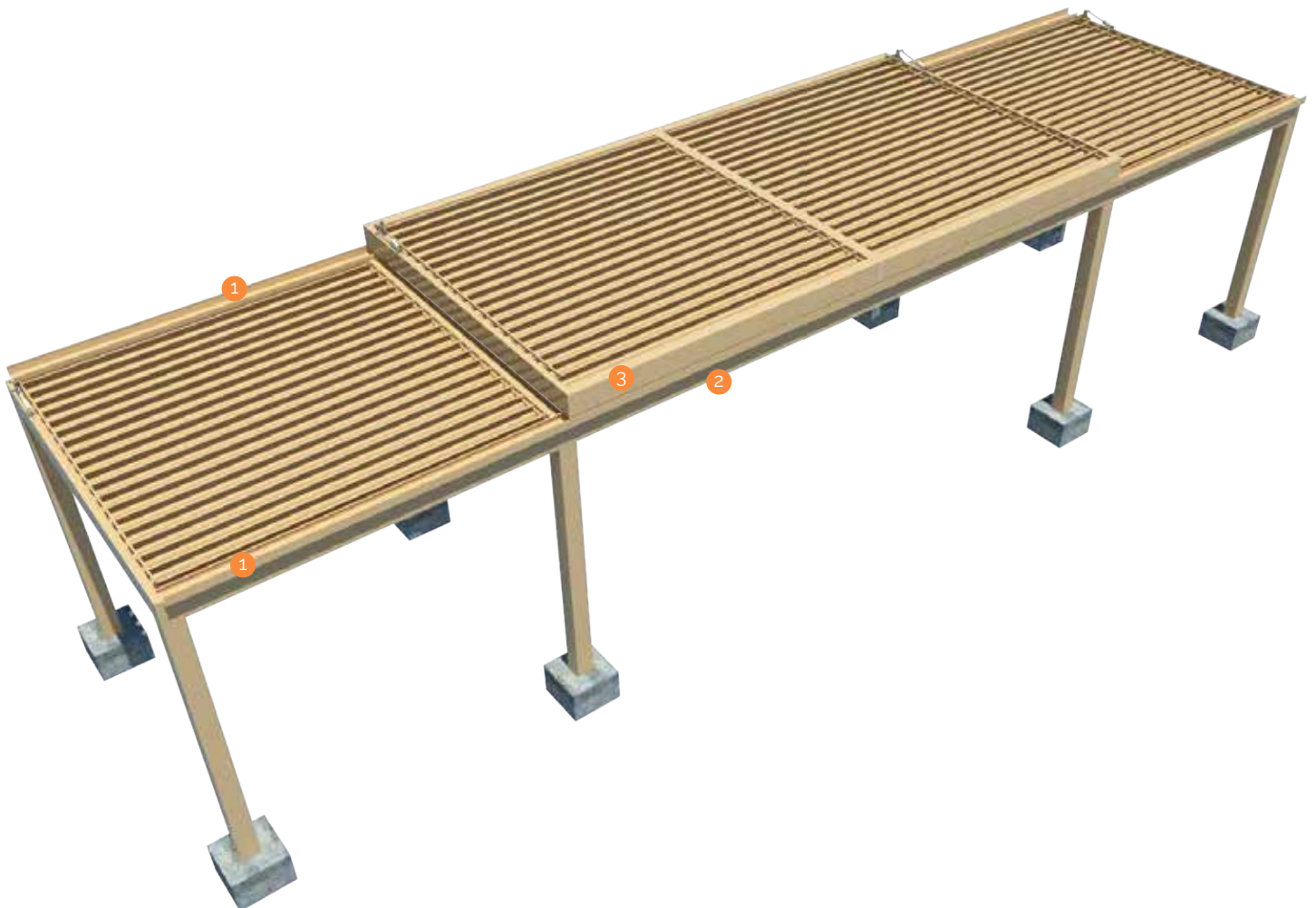


Inside

How It All Fits Together

/ SLIDE SYSTEM

- ① Slide Track
- ② Typical Beam Construction
- ③ Slide Frame (Closed) Including:
 - Beams Frame (with CARTRIDGE INSERTS FOR BOTH DRIVEN AND NON-DRIVEN ROLLERS)
 - Gutters system
 - Louvers System
 - Cornice



How It All Fits Together

/ SLIDE SYSTEM

- 1 Slide Track
- 2 Typical Beam Construction
- 3 Slide Frame (Open)
- 4 Slide Frame (Open) Including:
 - Beams Frame (with CARTRIDGE INSERTS FOR BOTH DRIVEN AND NON-DRIVEN ROLLERS)
 - Gutters System
 - Louvers System
 - Cornice



How It All Fits Together

/ SLIDE SYSTEM

- ① Slide Track
- ② Typical Beam Construction
- ③ Slide Frame (Closed) Including:
 - Beams Frame (with CARTRIDGE INSERTS FOR BOTH DRIVEN AND NON-DRIVEN ROLLERS)
 - Gutters System
 - Louvers System
 - Cornice
- ⑤ Slide Frame (Open)
- ⑥ Slide Frame (Open) Including:
 - Beams Frame (with CARTRIDGE INSERTS FOR BOTH DRIVEN AND NON-DRIVEN ROLLERS)
 - Gutters System
 - Louvers System
 - Cornice



How It All Fits Together

/ SLIDE SYSTEM



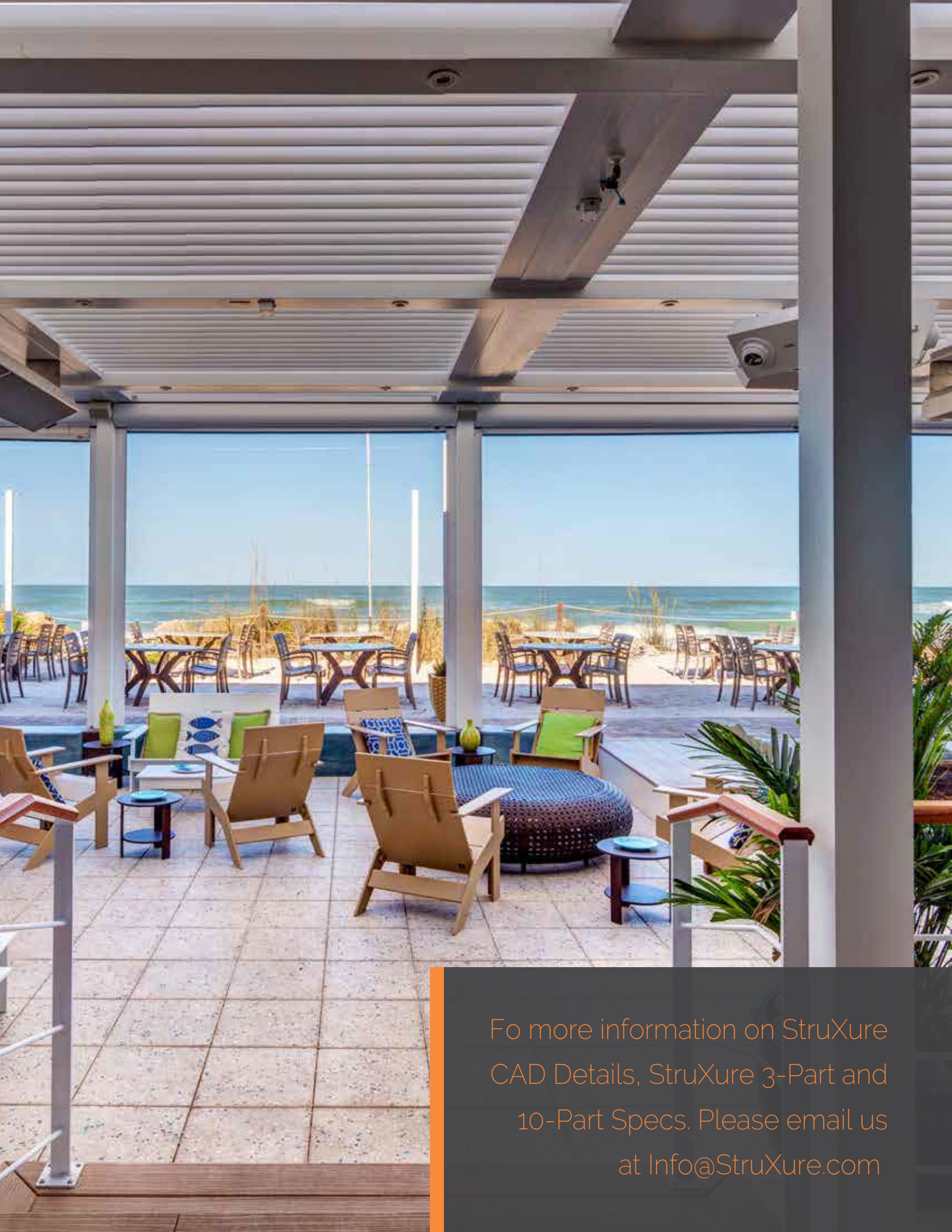
Flat Pan Roof Details

/ PAN 6

Some projects require a solid material to cover areas of the patio design. Solid Pan roof is the perfect product for this requirement and it integrates beautifully with the StruXure louvered zones.







For more information on StruXure
CAD Details, StruXure 3-Part and
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