



**BRING THE INDOORS OUT**

**2017 ARCHITECT BINDER**

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## INNOVATORS OF THE MODERN-DAY LOUVERED ROOF

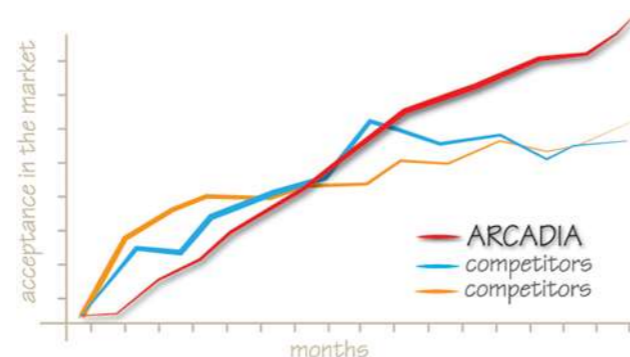
***“WE SPECIALIZE IN BRINGING THE INDOORS OUT AND CHANGING THE WAY PEOPLE LIVE THROUGH DESIGN AND INNOVATION EVERYDAY”***

Arcadia Louvered Roofs, Inc. 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 improvements 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 Roofs, 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 Arcadia System..

Engineered and designed to withstand all types of weather conditions from heavy snow to high winds, this one-of-a-kind luxury louvered roof was established in 2011 and has been one of the fastest growing privately held companies in the United States. With expansions including a new manufacturing facility in Georgia as well as plans for new locations coming to Florida, Nevada and Canada, our goal is to better serve our continuously growing network and provide the highest quality in products and customer service.

In addition to being a smart louvered roof manufacturer, we also specialize in technology and design with a focus on architectural innovation. Our 'smart roofs' 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 Arcadia is no different. We have experienced incredible growth as people discover what a louvered roof is, and how the Arcadia system can change their lifestyle. We often see jaws drop when they see an Arcadia system for the first time. We were recently awarded a spot on the Inc 5000 fastest growing companies.

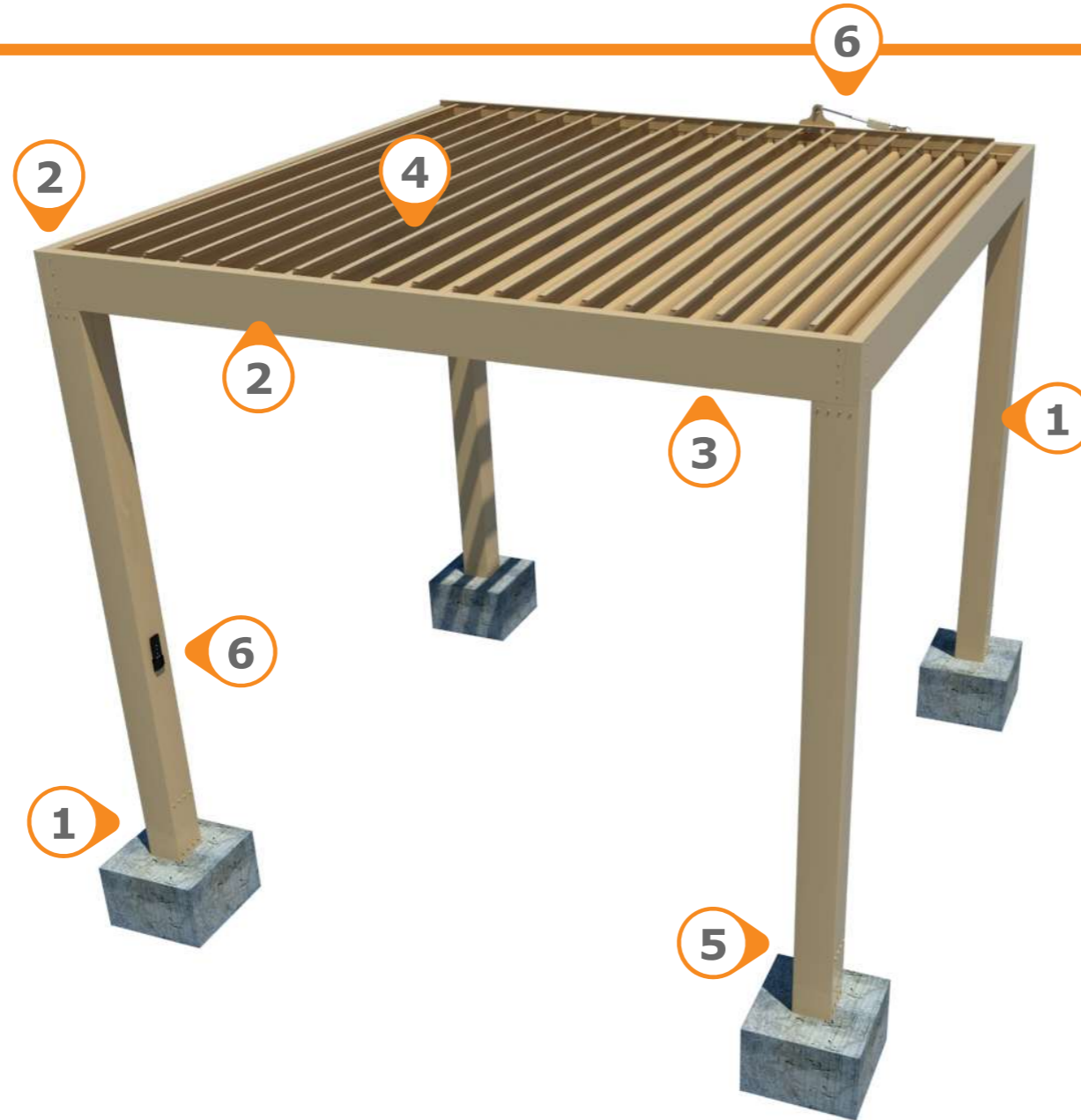
### MISSION

We want to help homeowners enjoy their corner of the world. We want to help Architects create amazing natural spaces., and we want to help dealers and builders provide something their customers will love.

# THE COMPLETE ARCADIA 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 Arcadia system in its simplest form, with the basic components or building blocks that make it work.



## BASIC COMPONENTS

1 Post *Post Bases & Bracket .....	05
2 Beams & Connectors .....	06
3 Gutters .....	07
4 Louver *Pivot & track bar .....	08
5 Additional Hardware .....	09
6 Operation Options .....	10

# THE COMPLETE ARCADIA SYSTEM IN ITS SIMPLEST FORM



## BASIC COMPONENTS

1 Post *Post Bases & Bracket .....	05
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6 Operation Options .....	10

# BASIC COMPONENTS: • Post • Post Bases & Bracket

## Navigation



### • Post

4"x4" column 1/8" thick  
4"x4" column 1/4" thick

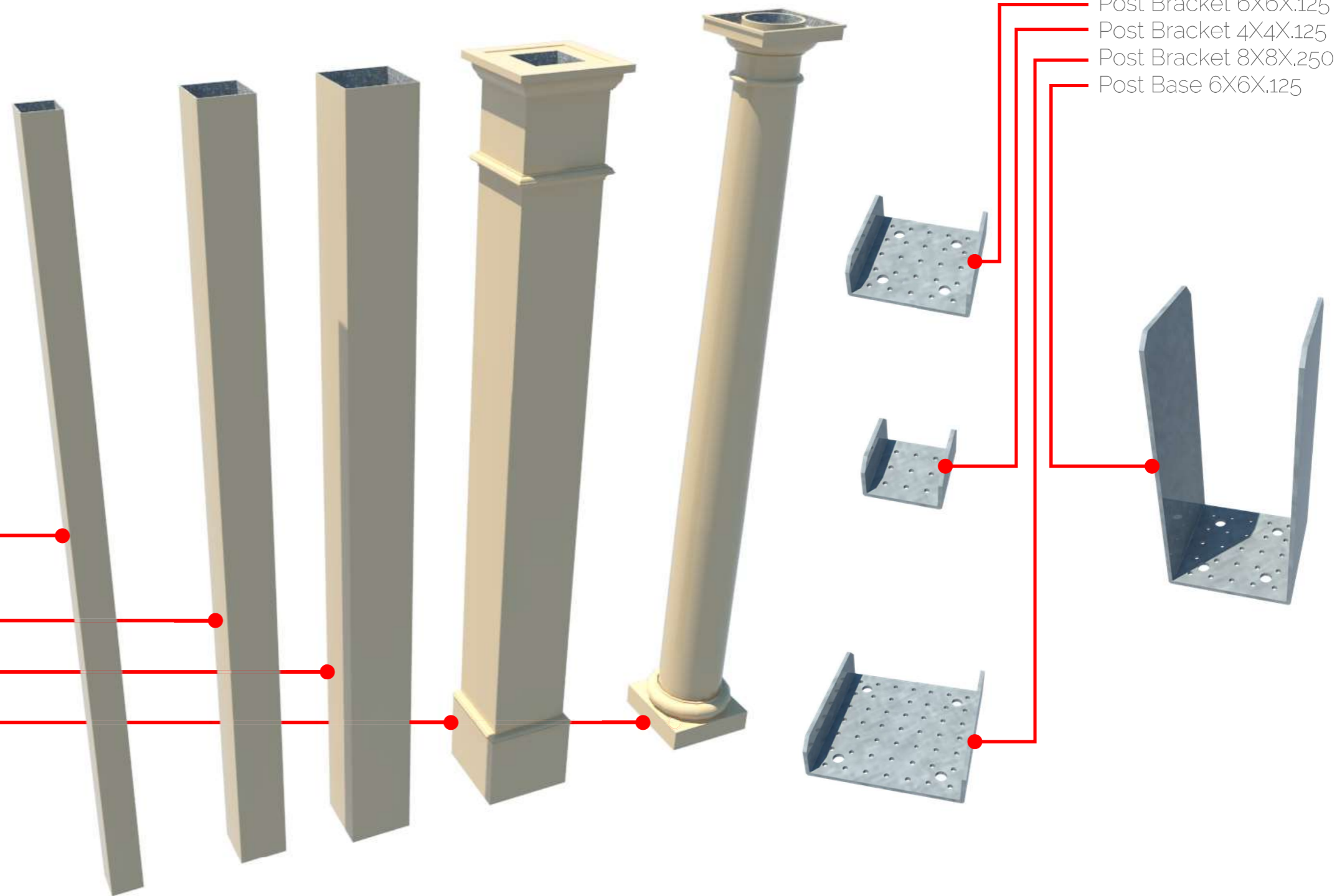
6"x6" column 1/8" thick  
6"x6" column 1/4" thick

8"x8" column 1/4" thick

Decorative Posts  
not provided by Arcadia

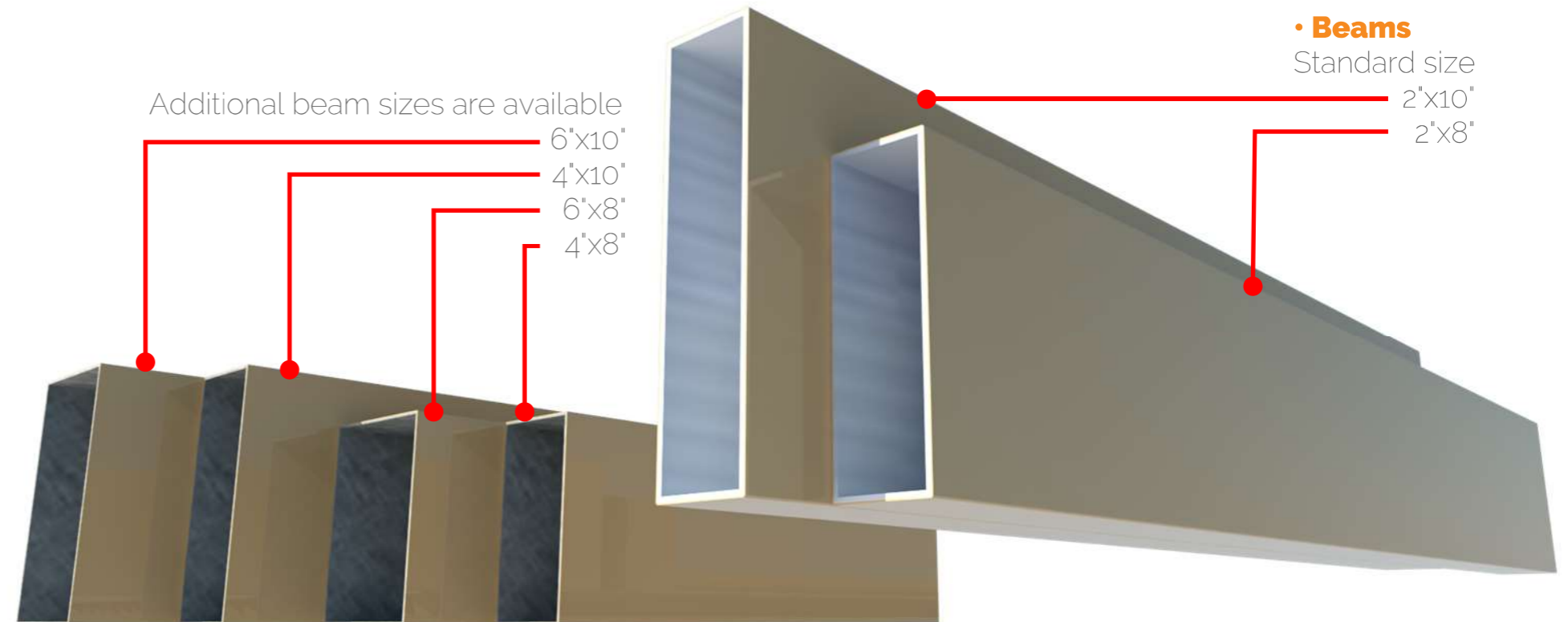
### • Post Bases & Bracket

Post Bracket 6X6X.125  
Post Bracket 4X4X.125  
Post Bracket 8X8X.250  
Post Base 6X6X.125



# BASIC COMPONENTS: • Beams • Connectors

## Navigation



## • Connectors

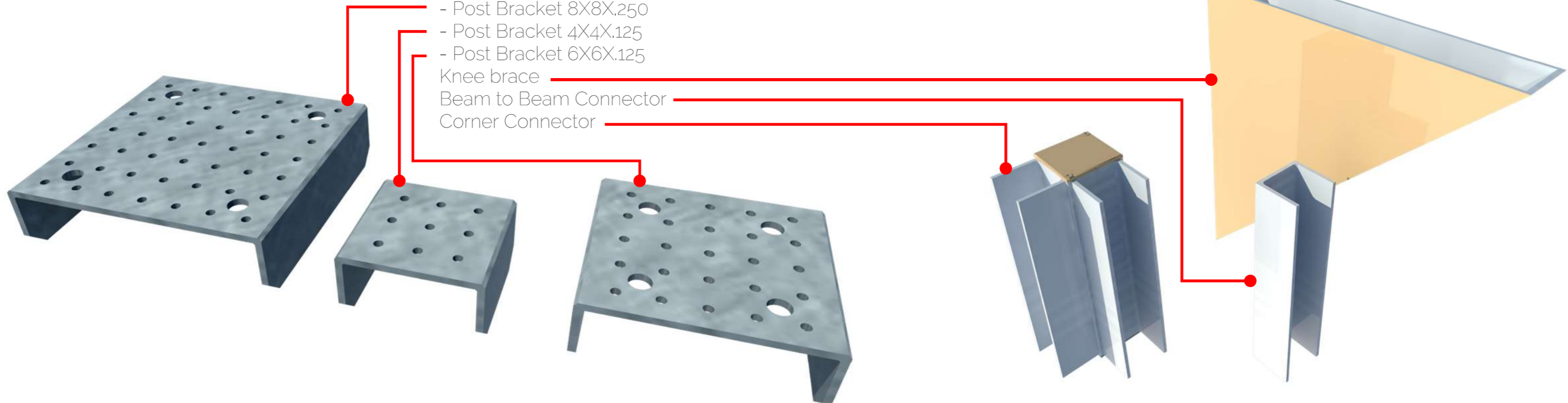
Beam to Post Connector:

- Post Bracket 8X8X.250
- Post Bracket 4X4X.125
- Post Bracket 6X6X.125

Knee brace

Beam to Beam Connector

Corner Connector

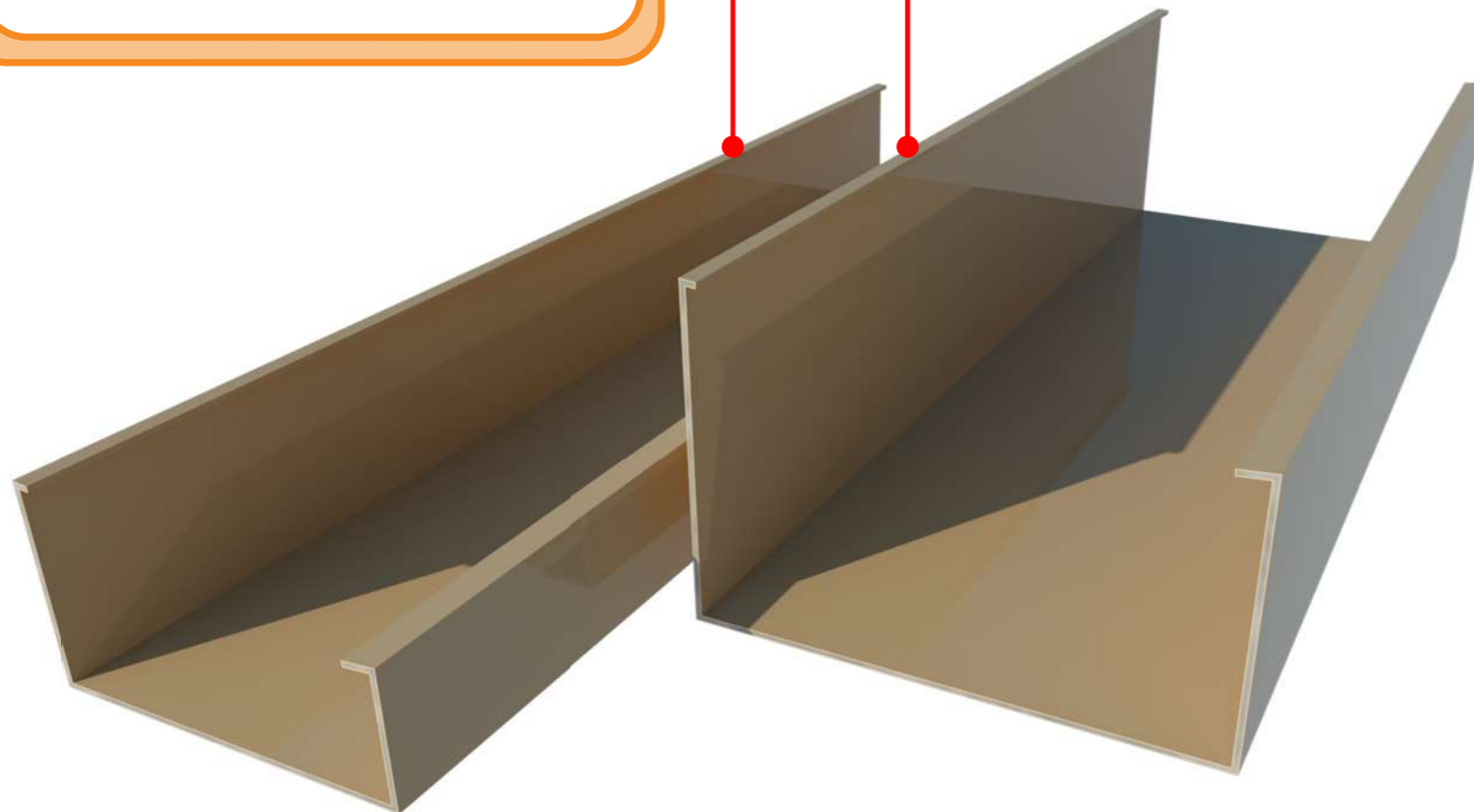


## Navigation



### • Gutters

Gutter Corner  
Pass Through Gutter  
Gutter 5,5"  
Gutter 7,5"

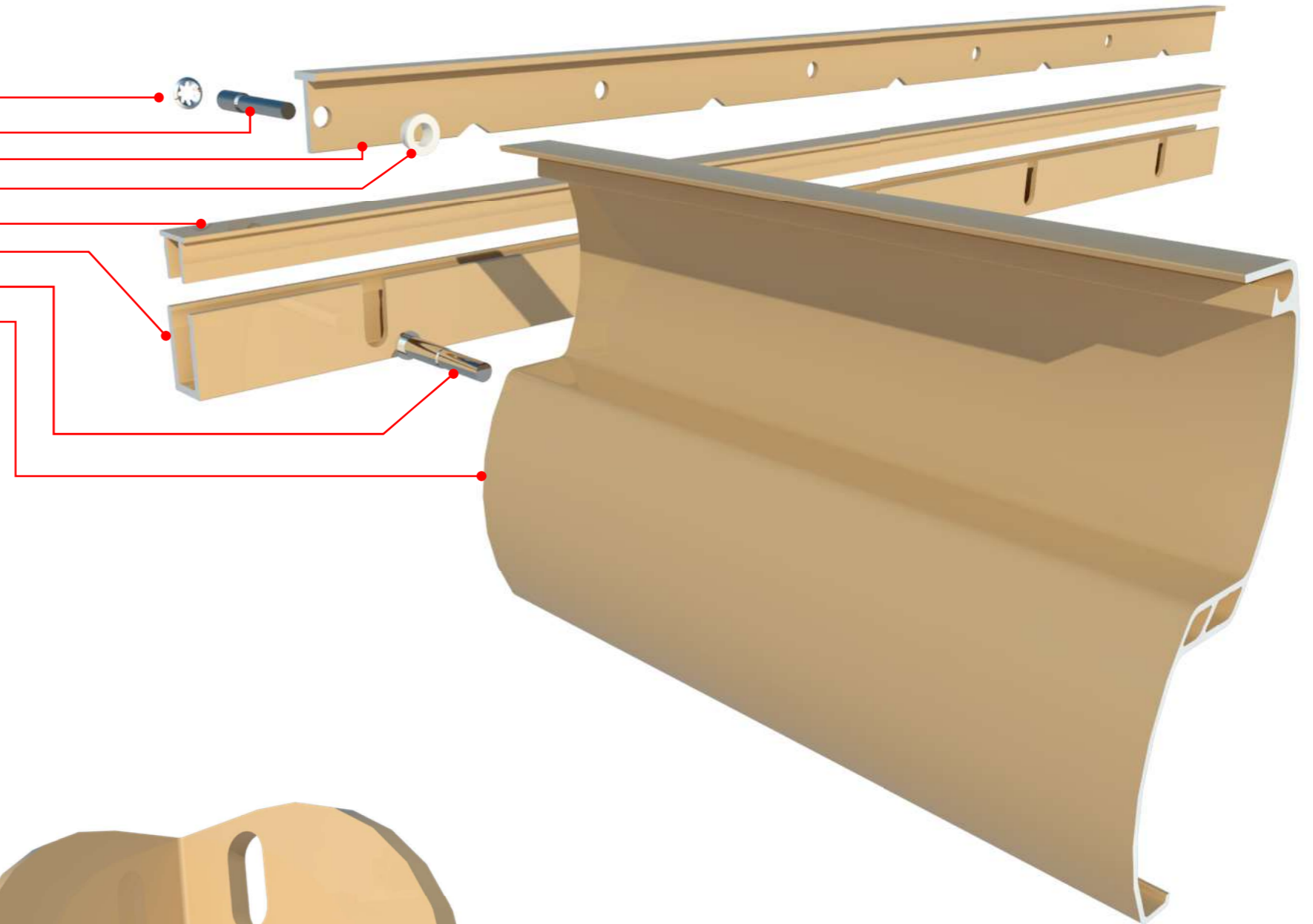


# BASIC COMPONENTS: • Louver • Pivot & Track bar

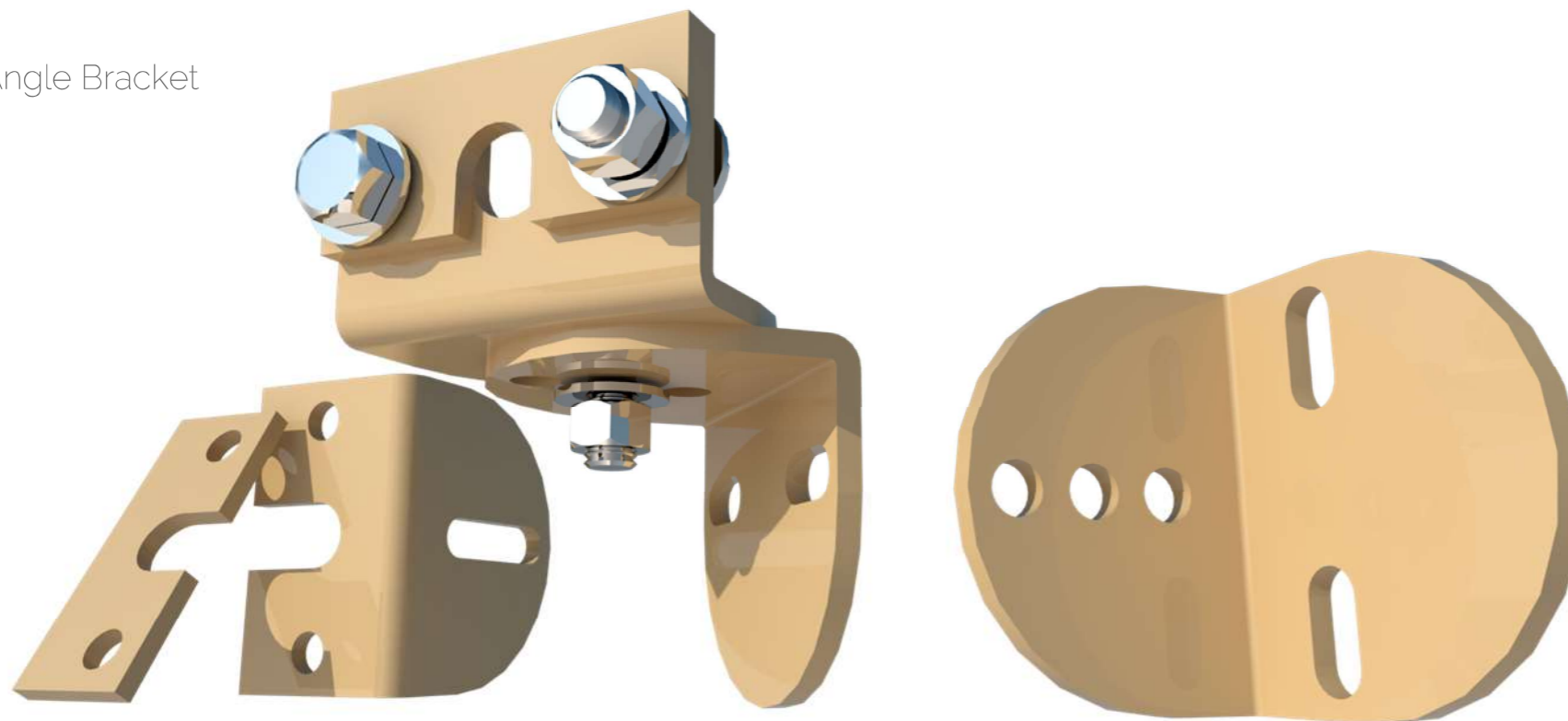
## Navigation



Push nut  
Link Bar pin  
Track Bar  
Nylon washer  
Pivot Bar CAP  
Pivot Bar  
Pivot pin  
Louver

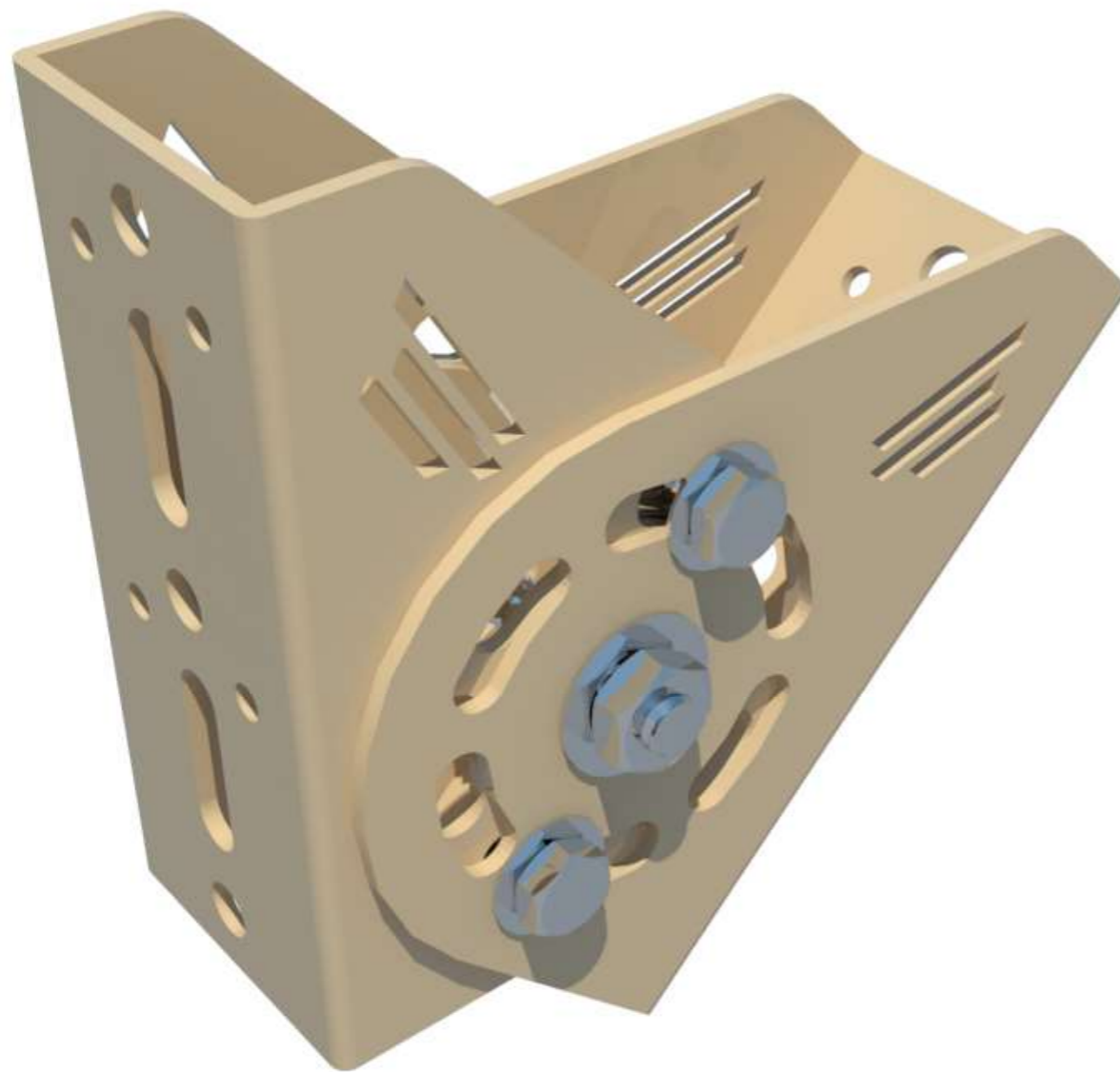


## Angle Bracket

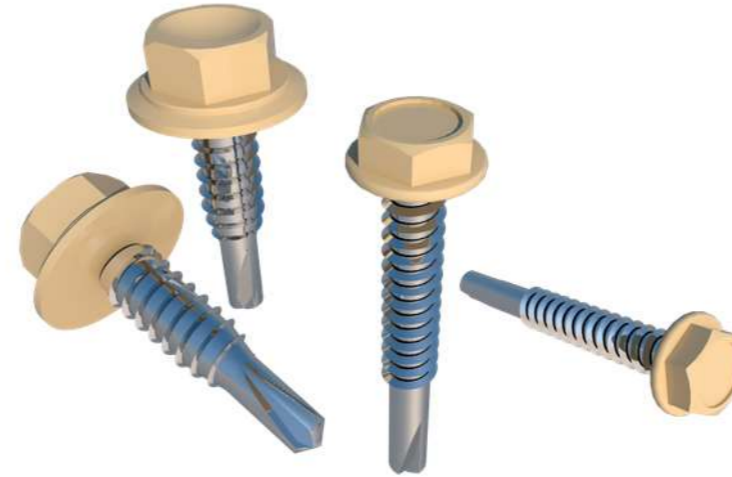


## BASIC COMPONENTS: • Additional Hardware

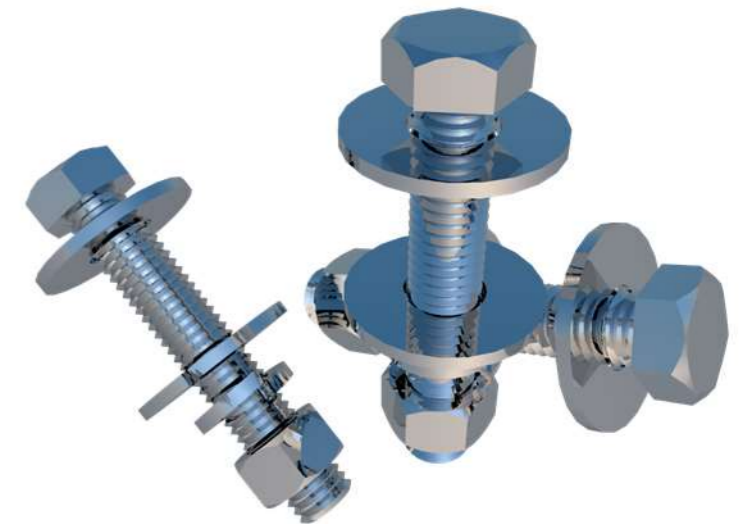
Roof Mount Bracket



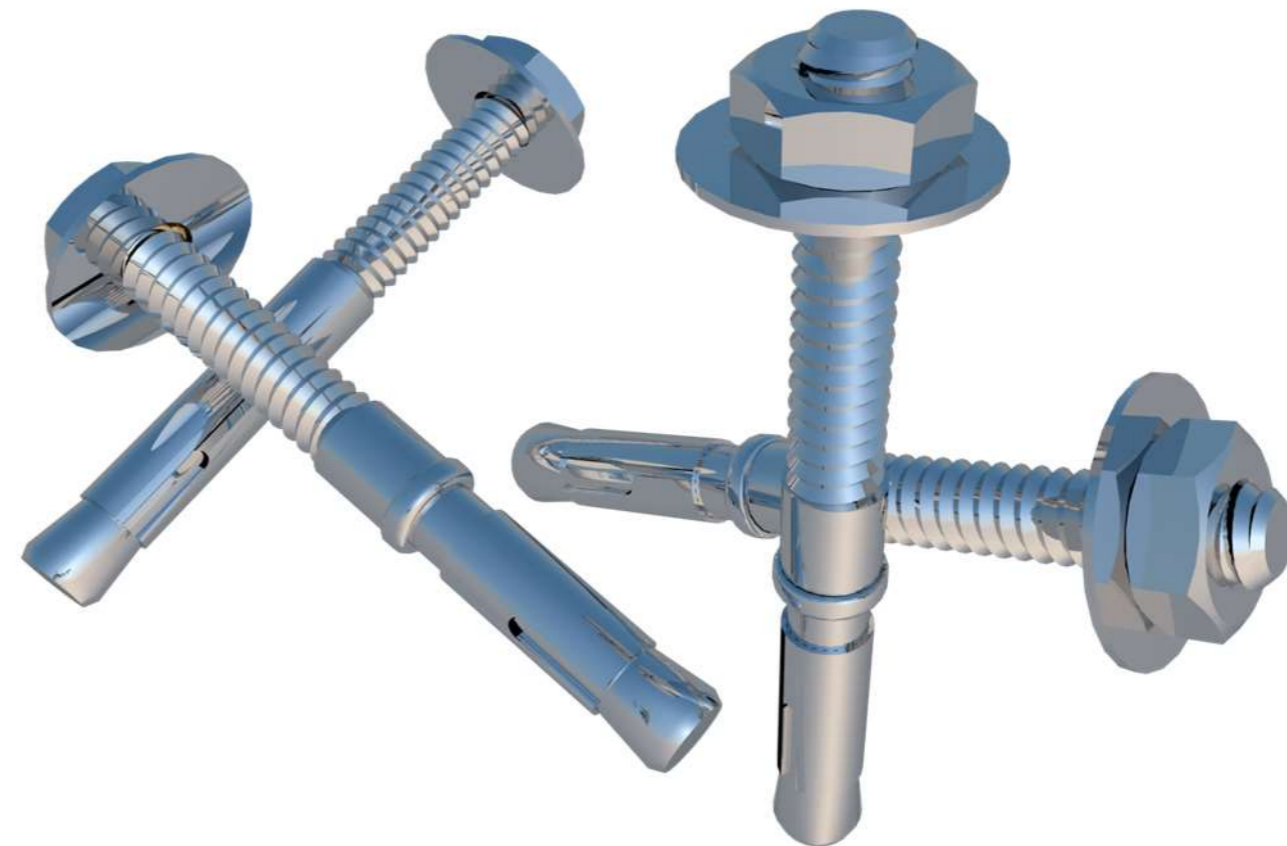
Tex Screws



Bolts

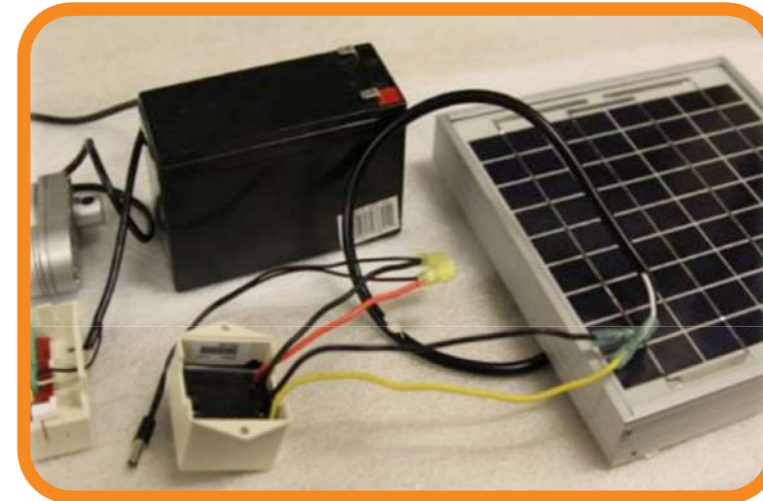


Concrete anchors



# BASIC COMPONENTS: • Operation Options

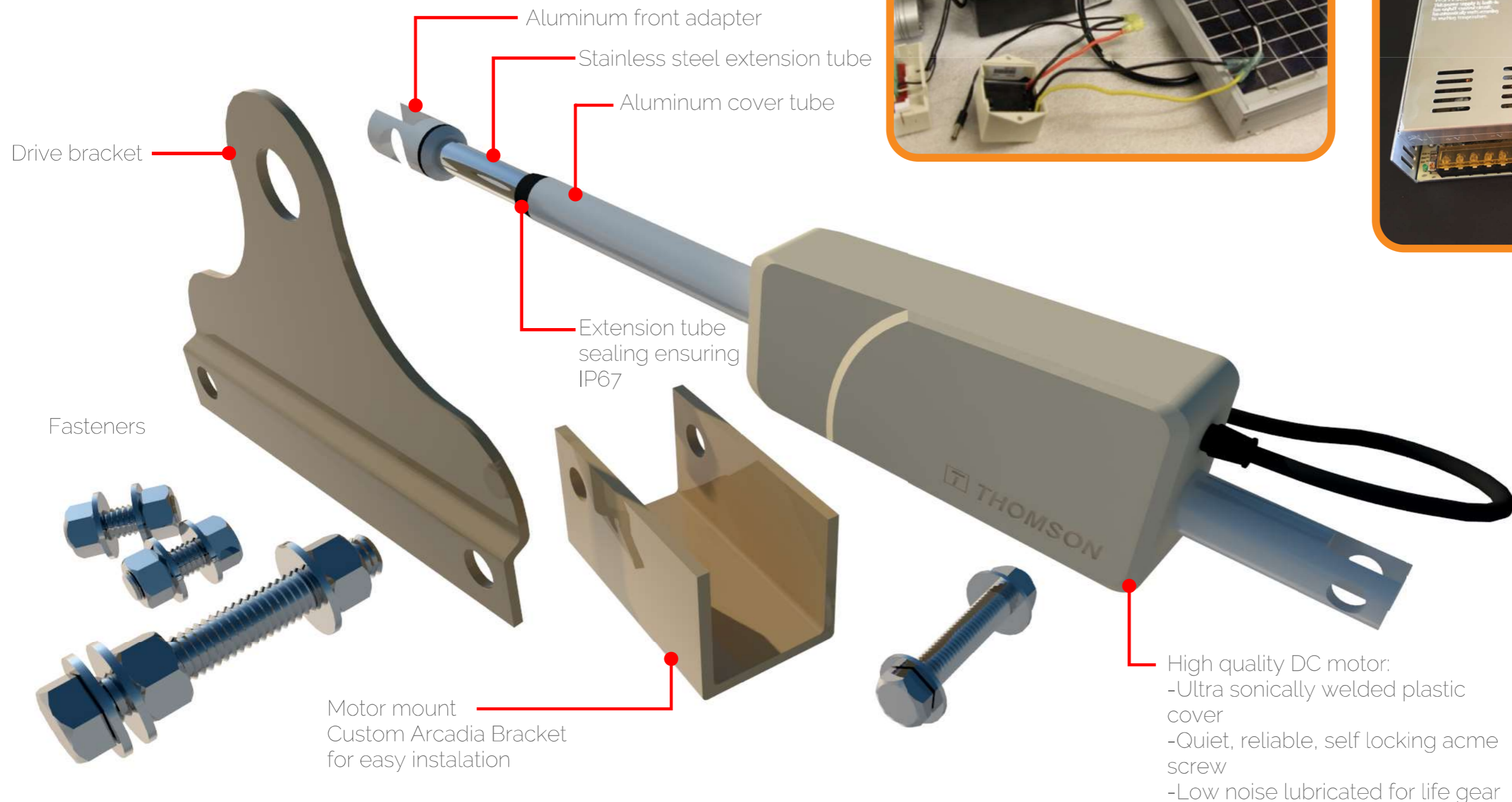
Solar Panel and battery pack



Mother Board



## • Motor Drive & Accessories



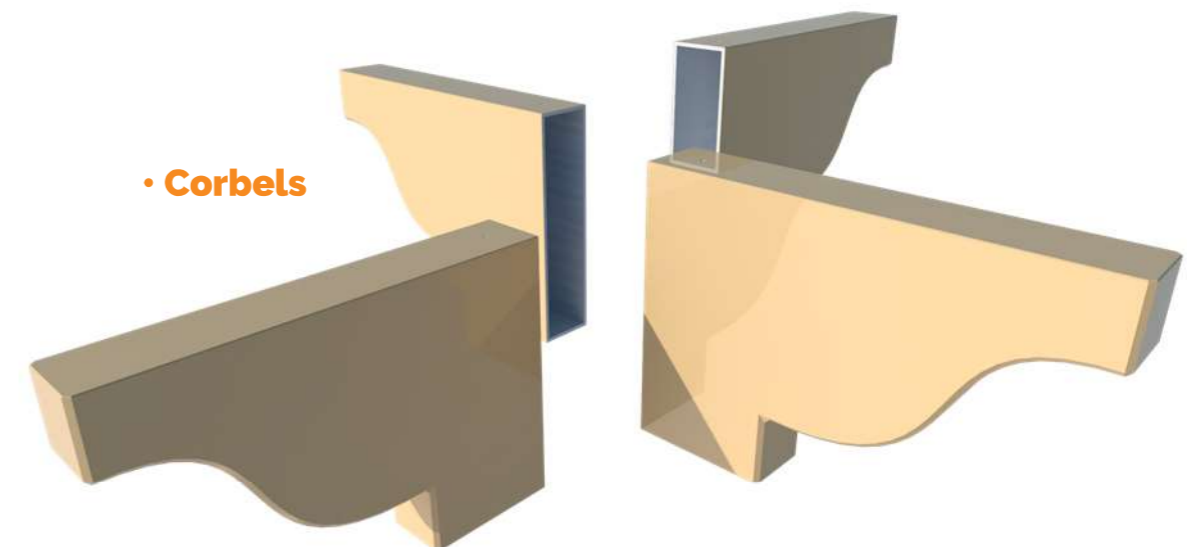
RF (Radio Frequency) Remote



# ACCESSORIES: Lighting & Fans, Corbels, Cornice Trim

## • Lighting & Fans

Ceiling fans and accent lighting can be included with your pergola, enhancing the both the look and feel of your patio. These roof accessories would either hang below the louvers or reside in a corner area of your patio cover. Either way, they are installed in a way that does not interfere 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 snazzy 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 too since they allow you to utilize your deck or patio no matter the temperature or time of the day.



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

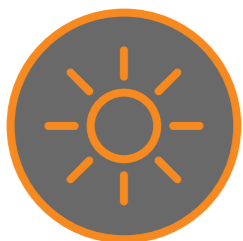
## ACCESSORIES: Motor Control Sensors, Smart Phone App

### • Motor Control sensors

Our system is the most durable louvered roof 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



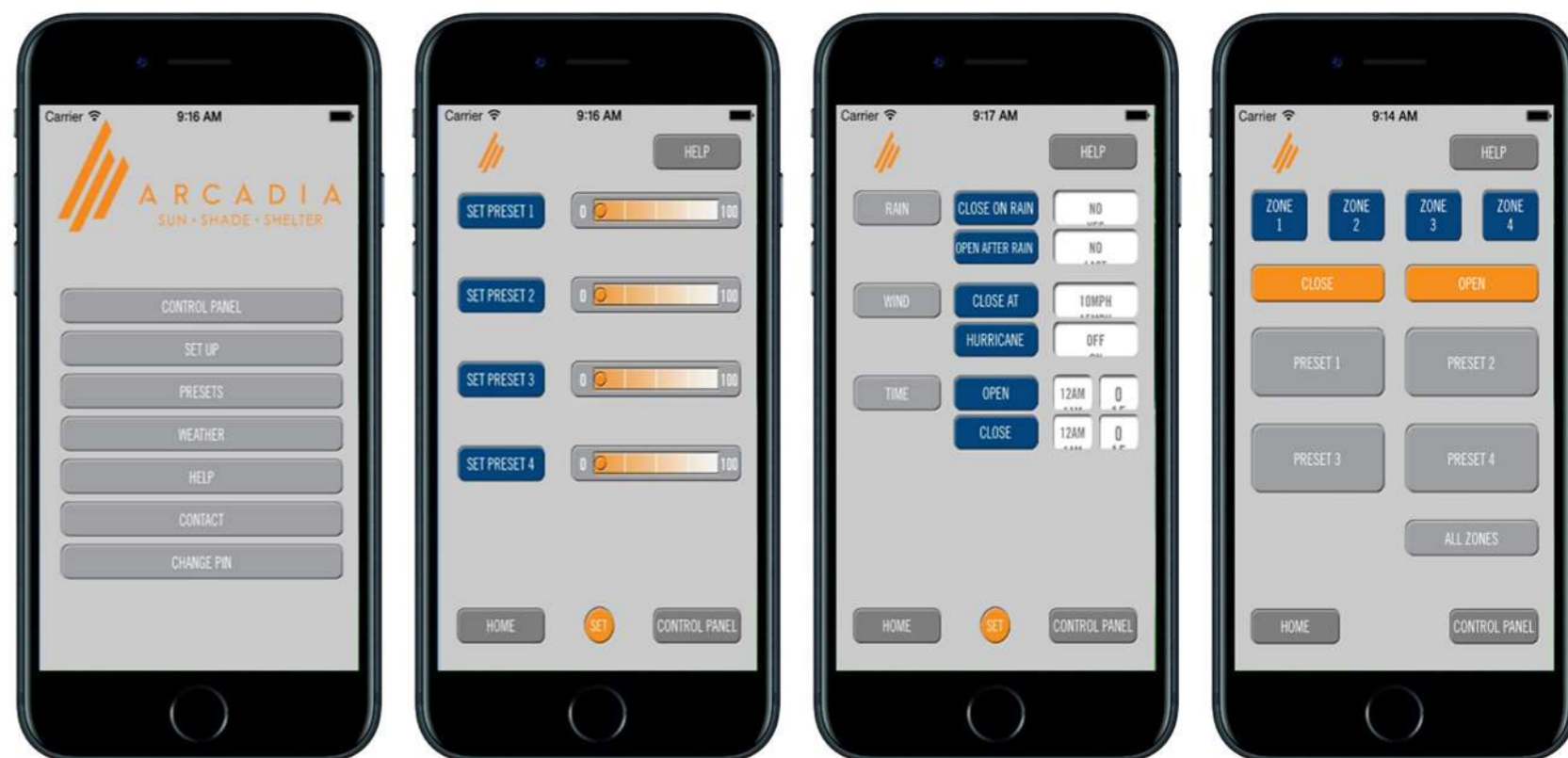
Wind



Hurricane



Snow



### • Smart Phone App



At Arcadia, when we created our iLouver 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 would improve homeowners' lives while also enhancing their homes. Our iLouver technology provides users a variety of options for programming and controlling their Arcadia systems. Homeowners can program their roof to open and close at certain times of the day, choose between 4 preset positions, and re-open to its last known position, guaranteeing the perfect position every time. iLouver technology can also automatically open and close your roof 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.

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



White /Standard



Beige (tan) /Standard



Bronze /Standard



Adobe /Standard



Customize /Any color

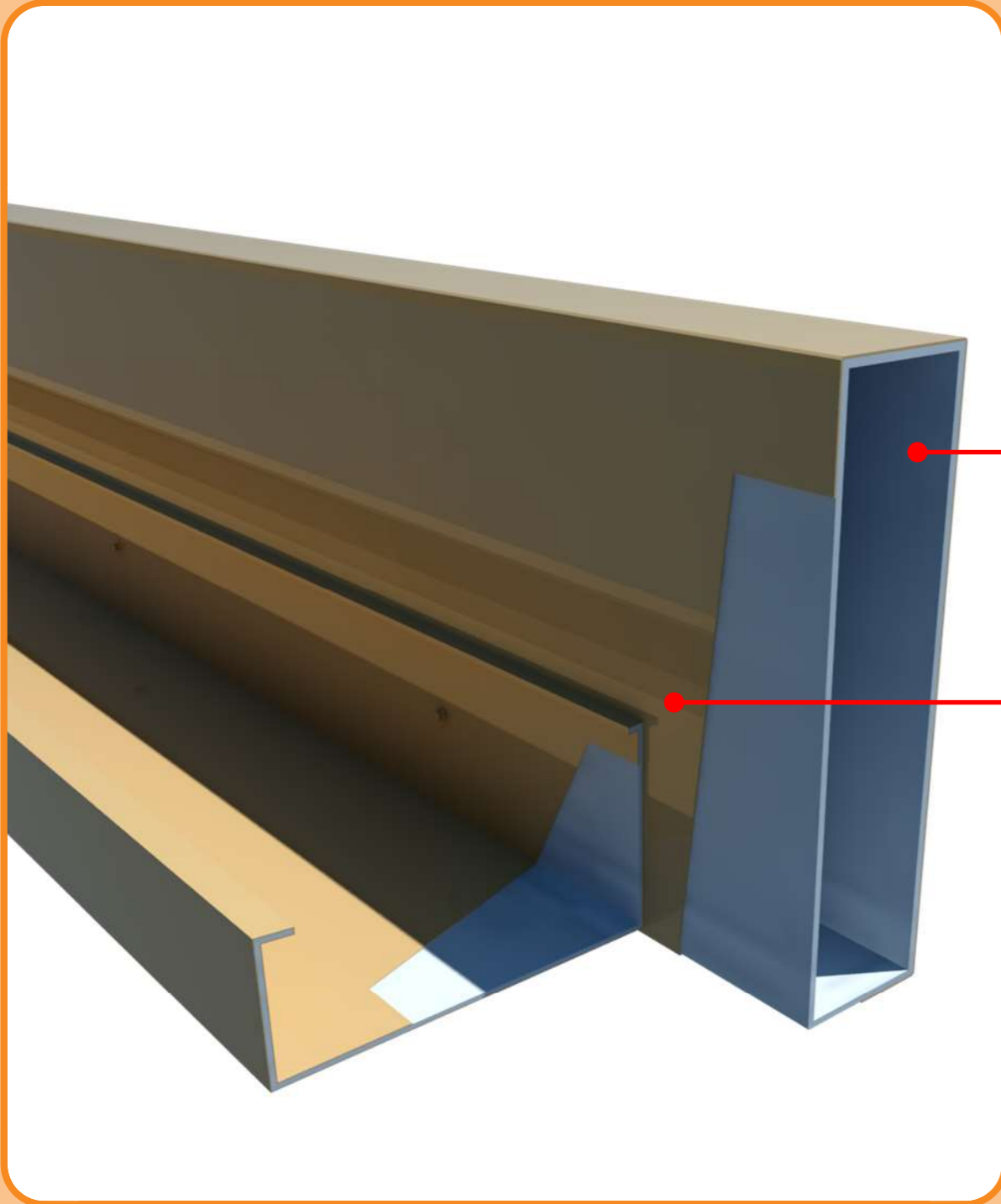


Wood texture /Custom color



# MATERIAL & PROTECTIVE COATING

## MATERIAL & PROTECTIVE COATING



### • Material

Aluminum 6063-T6. Arcadia Louvered Roof, 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 AlMg0.5Si; Aluminium 6063-T6; AA6063-T6

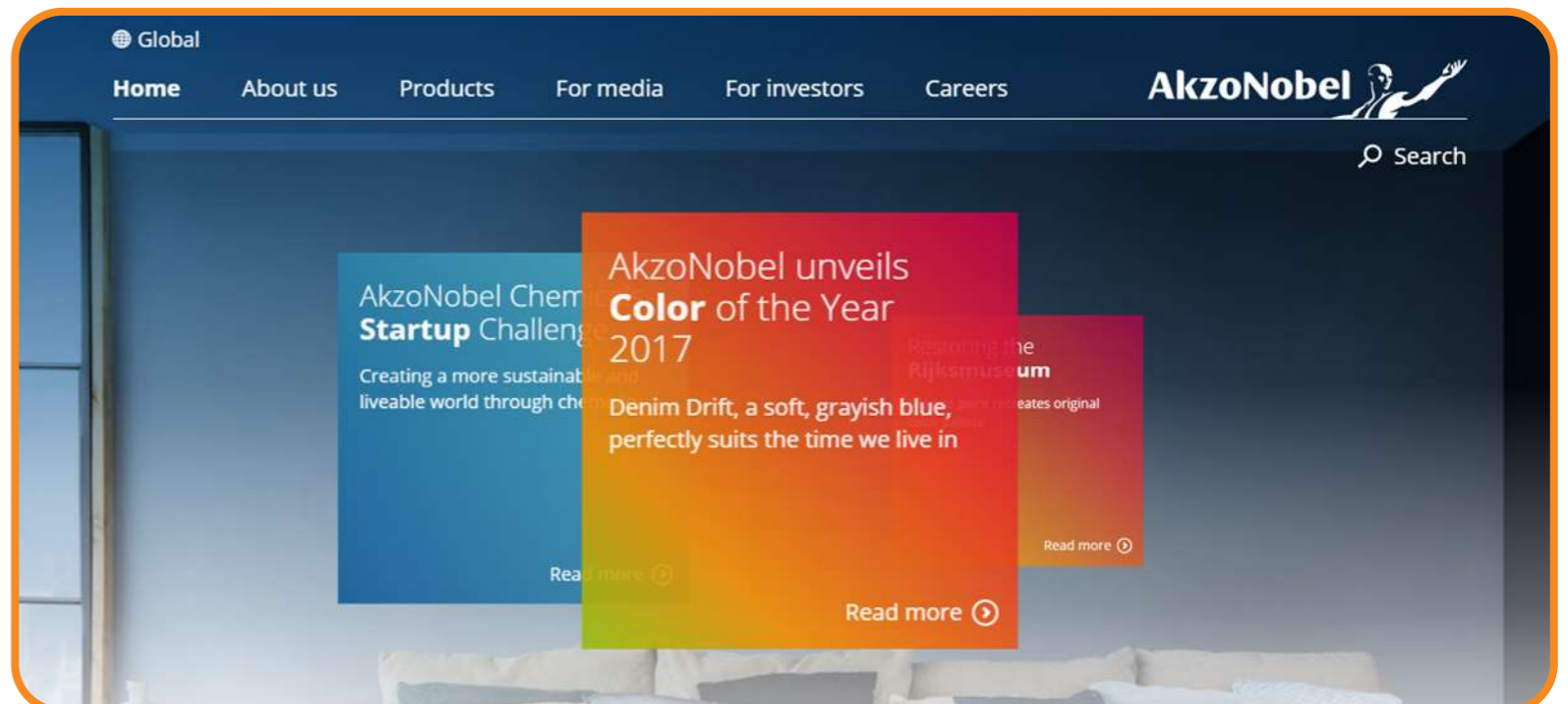
Component	Wt. %	Component	Wt. %	Component	Wt. %
Al	Max 97.5	Mg	0.45 - 0.9	Si	0.2 - 0.6
Cr	Max 0.1	Mn	Max 0.1	Ti	Max 0.1
Cu	Max 0.1	Other, each	Max 0.05	Zn	Max 0.1
Fe	Max 0.35	Other, total	Max 0.15		

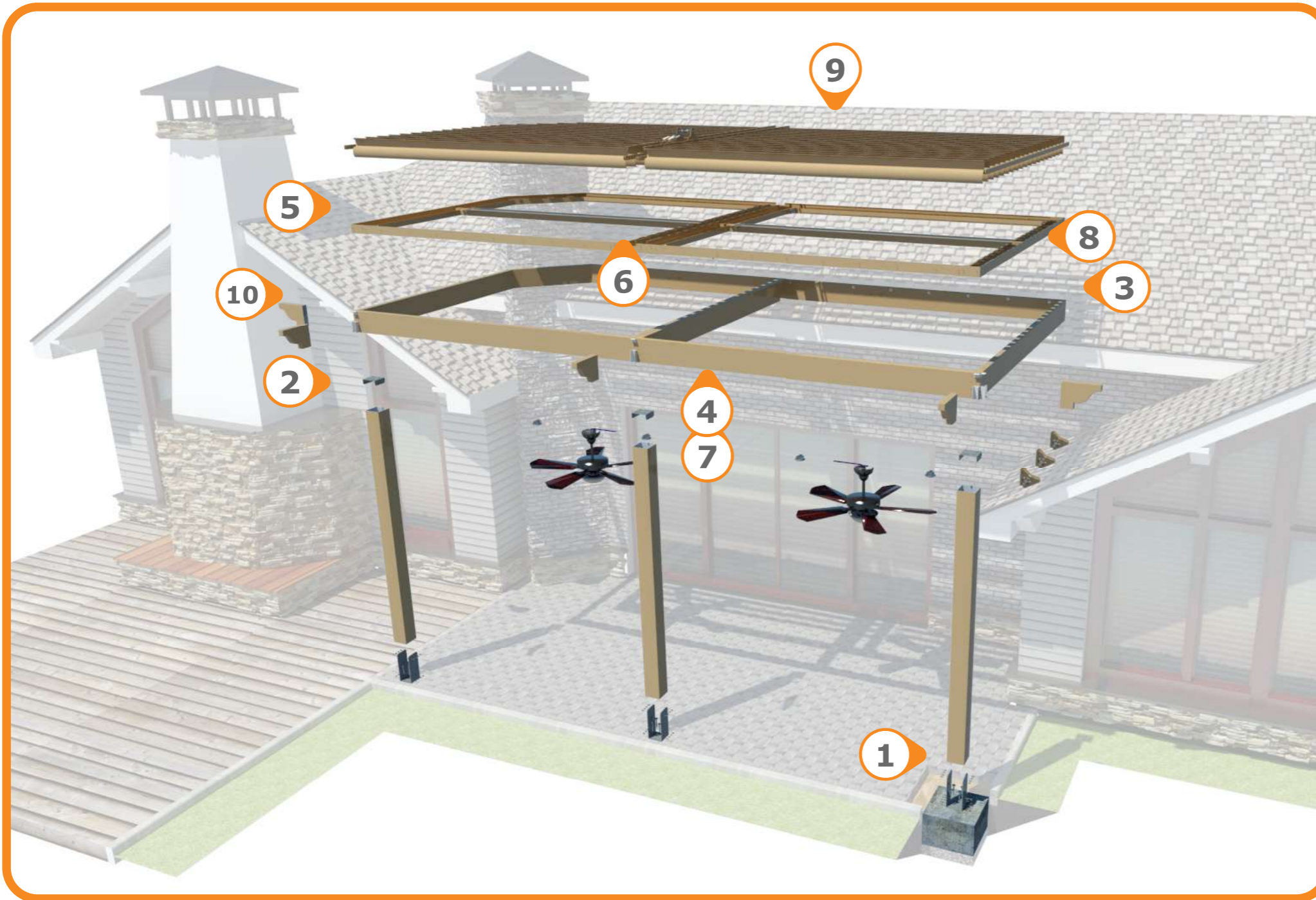
Material Notes:

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

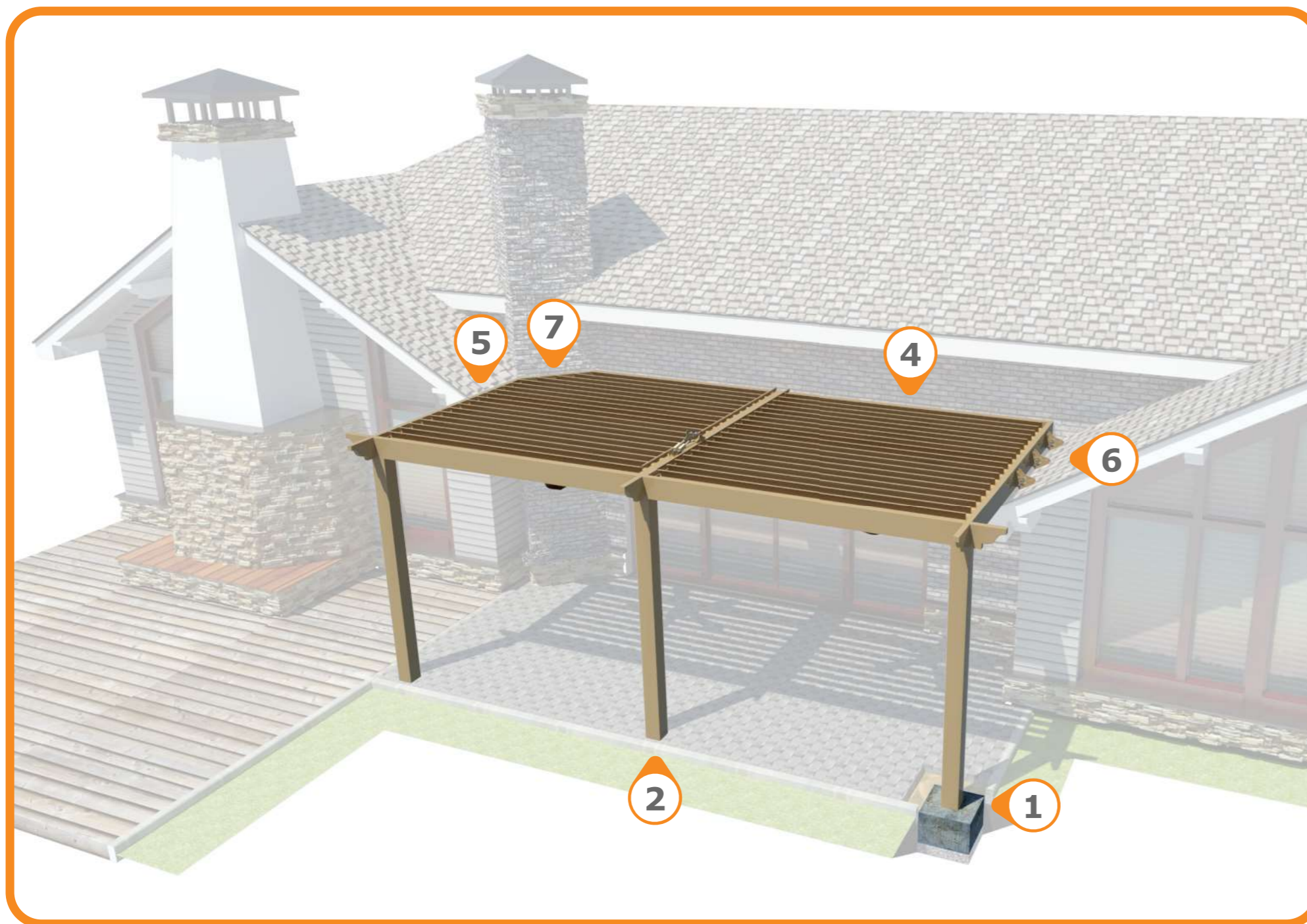
### • Protective coating

From the world leading powder coat manufacturer



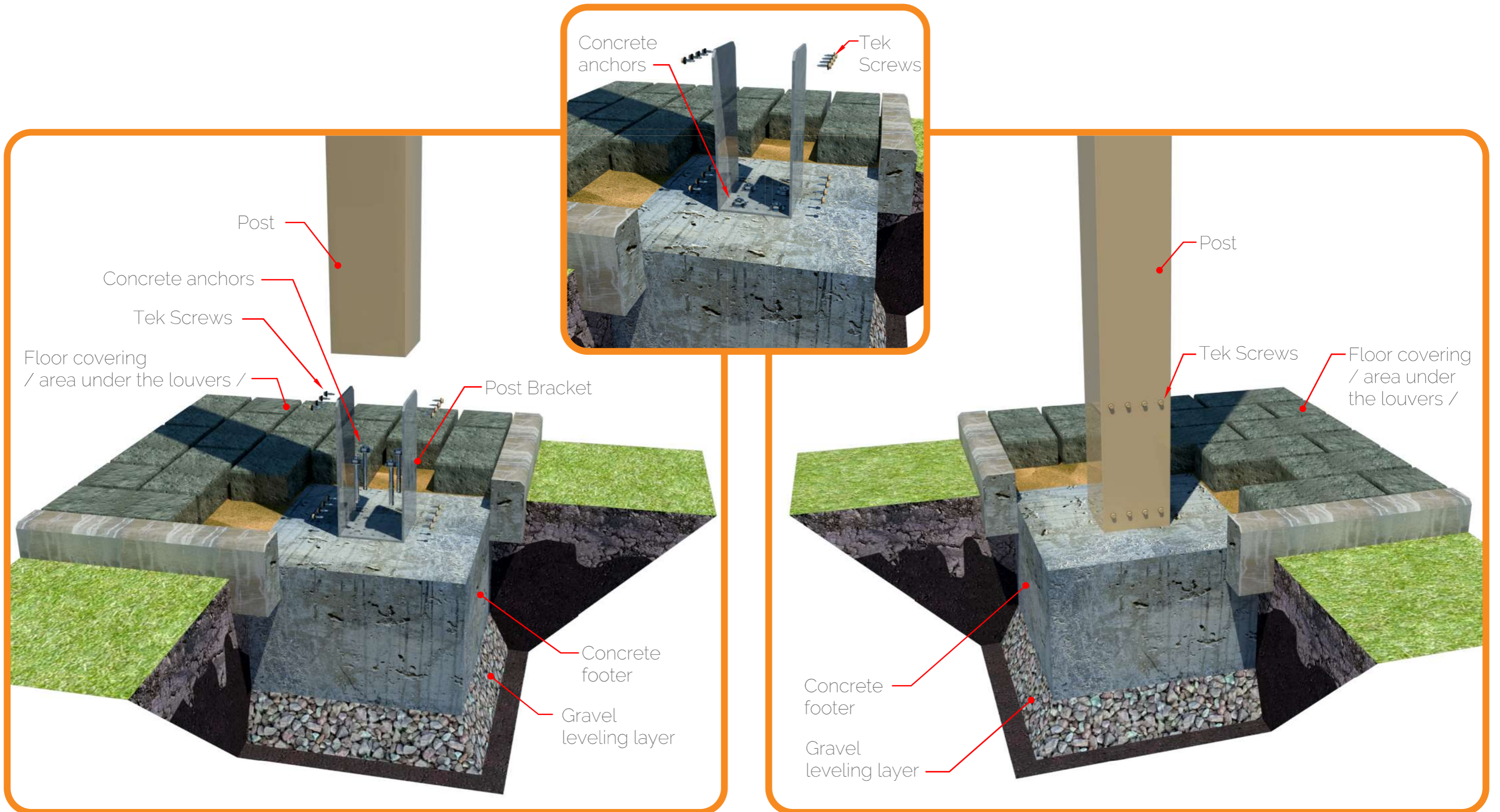


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8	Fan Beam .....	25
9	Pivot louvers .....	26
10	Corbels .....	27



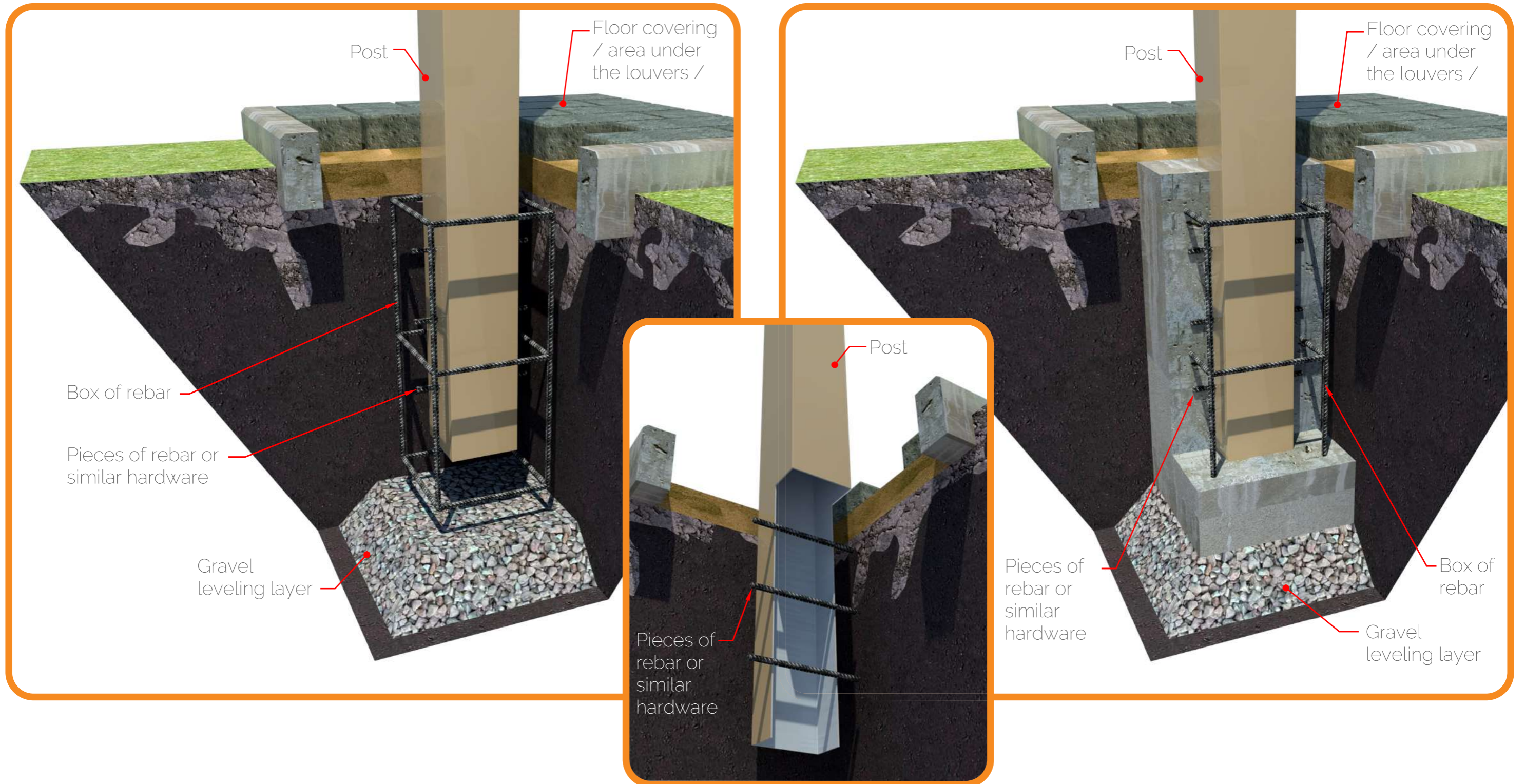
1 Post Bracket to Footer.....	15
2 Post embedded into footer.....	17
3 Perimeter Beam to host structure "Wooden Beam" .....	27
4 Perimeter Beam to host structure "Brick Wall" .....	28
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6 Perimeter Beam to host structure "Roof".....	30
7 Louvers to host structure "Angle Beam".....	32

- Post Bracket to Footer • Post to Post Bracket



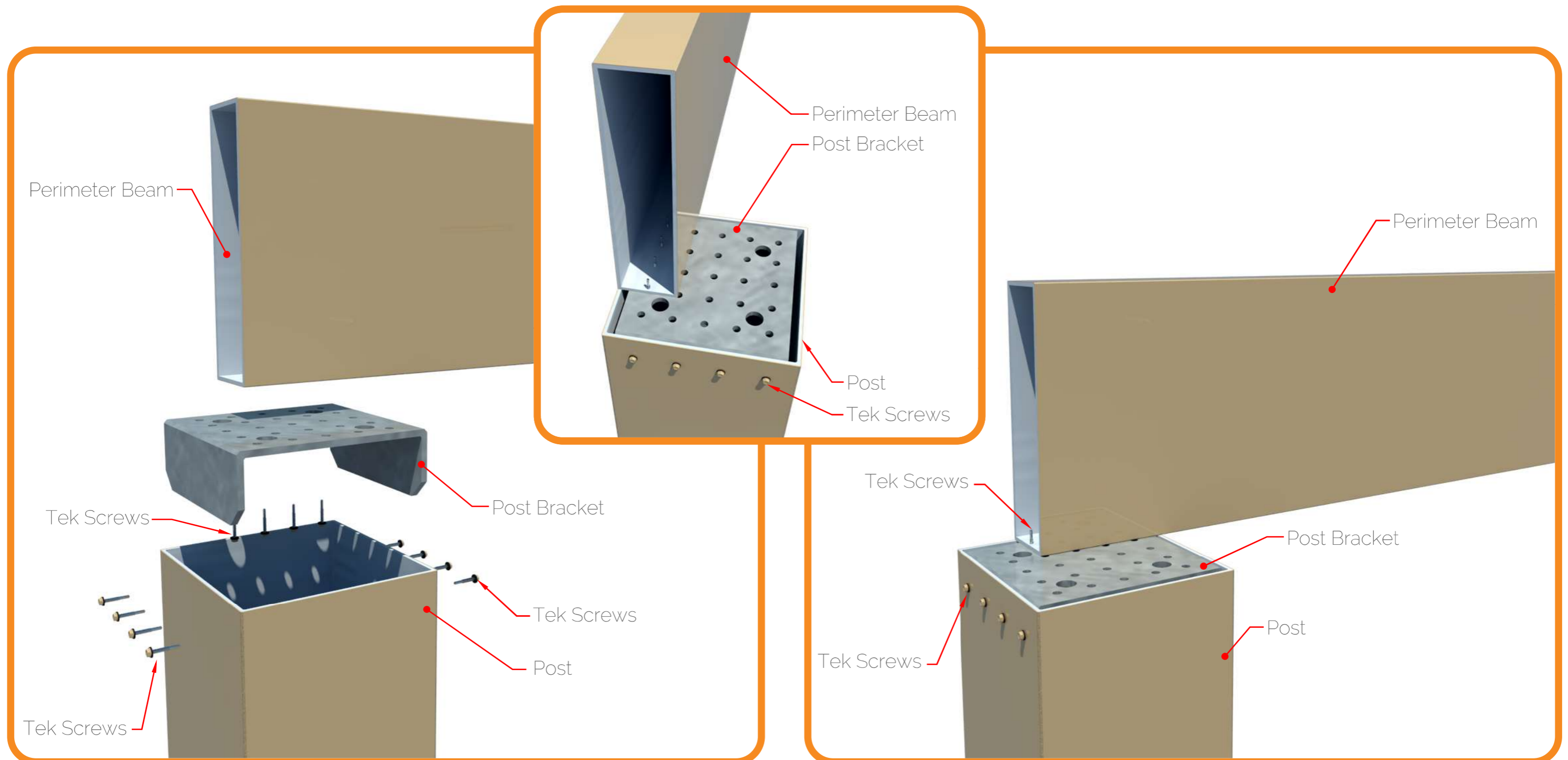
# HOW IT ALL FITS TOGETHER:

- Post embedded into footer



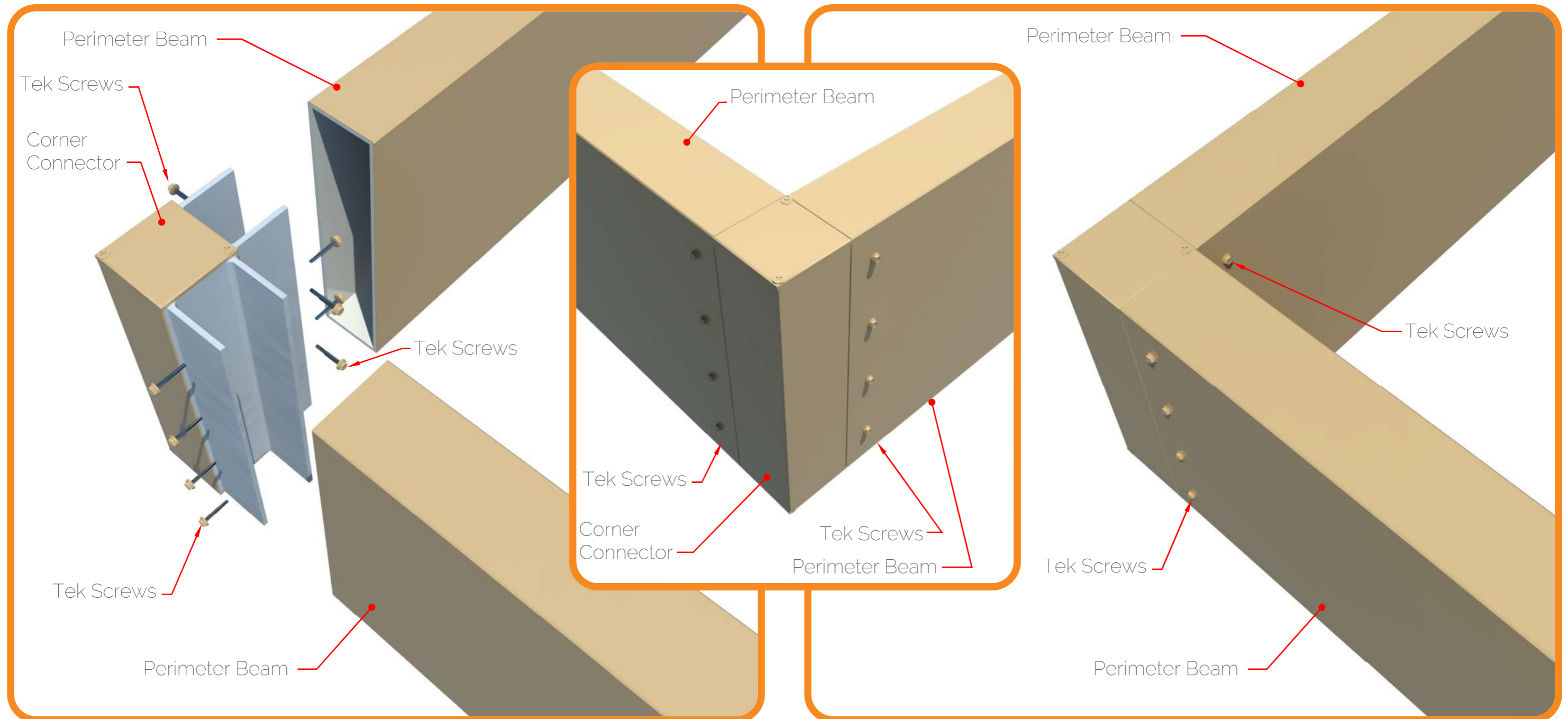
# HOW IT ALL FITS TOGETHER:

- Perimeter Beam to Post

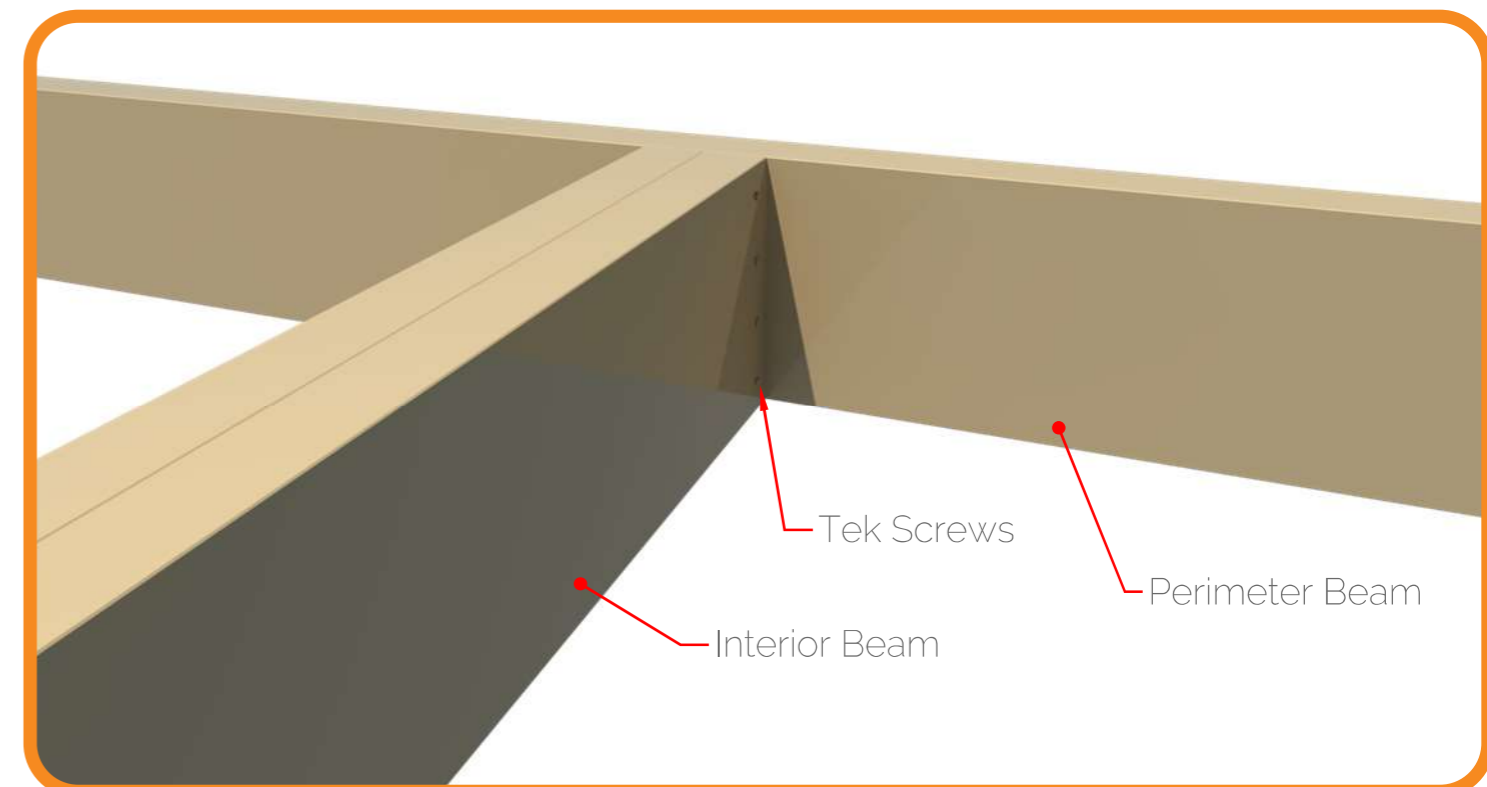
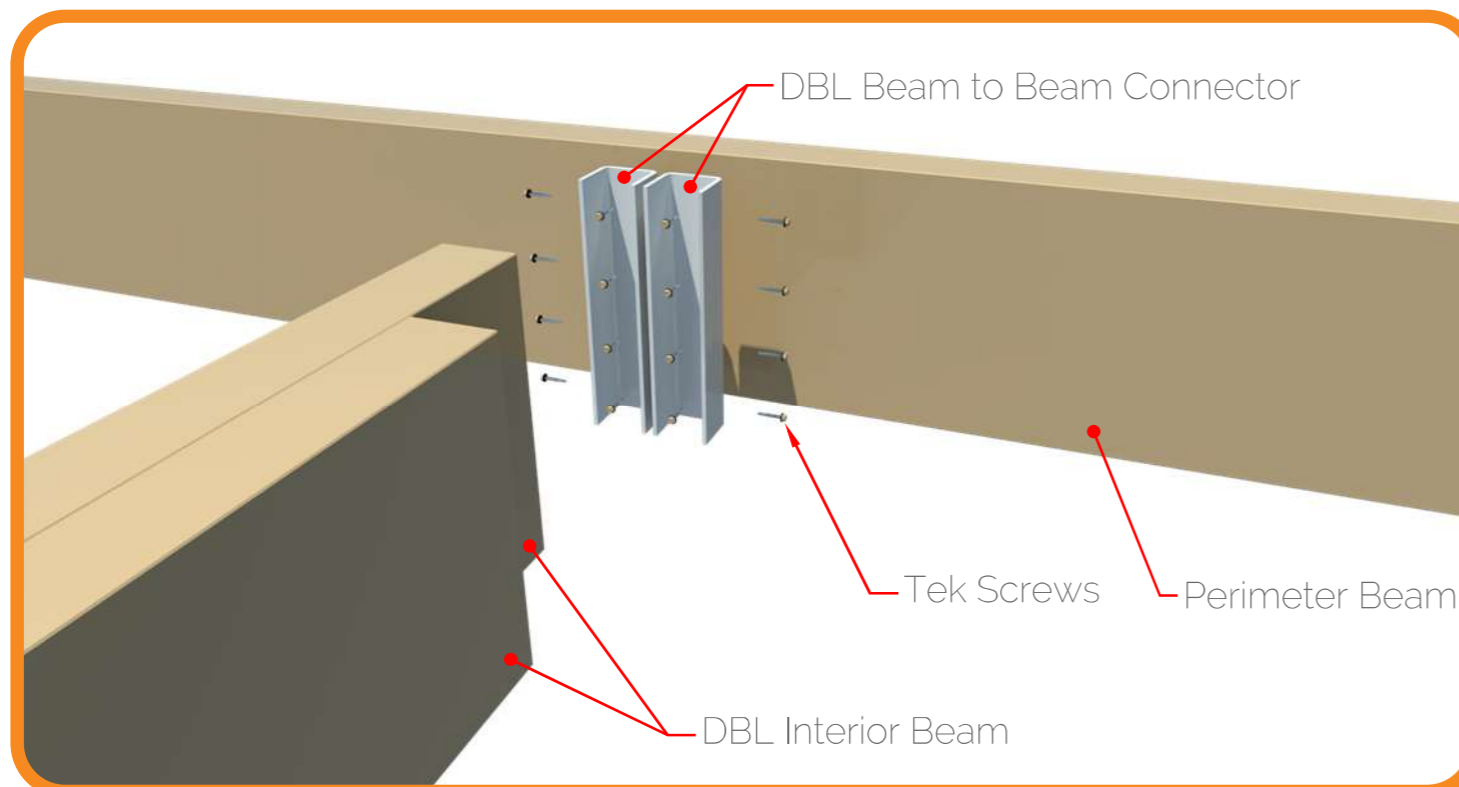
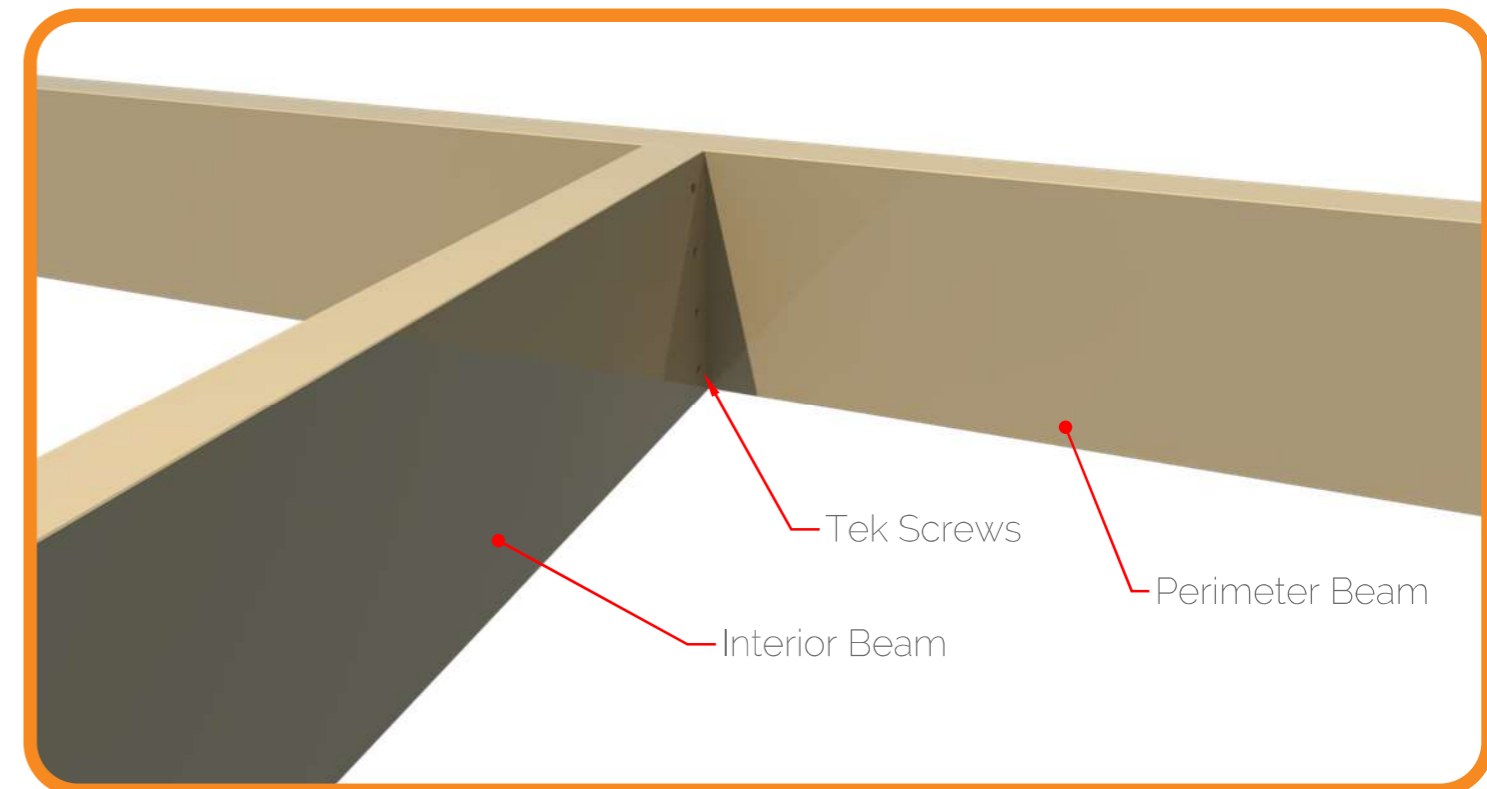
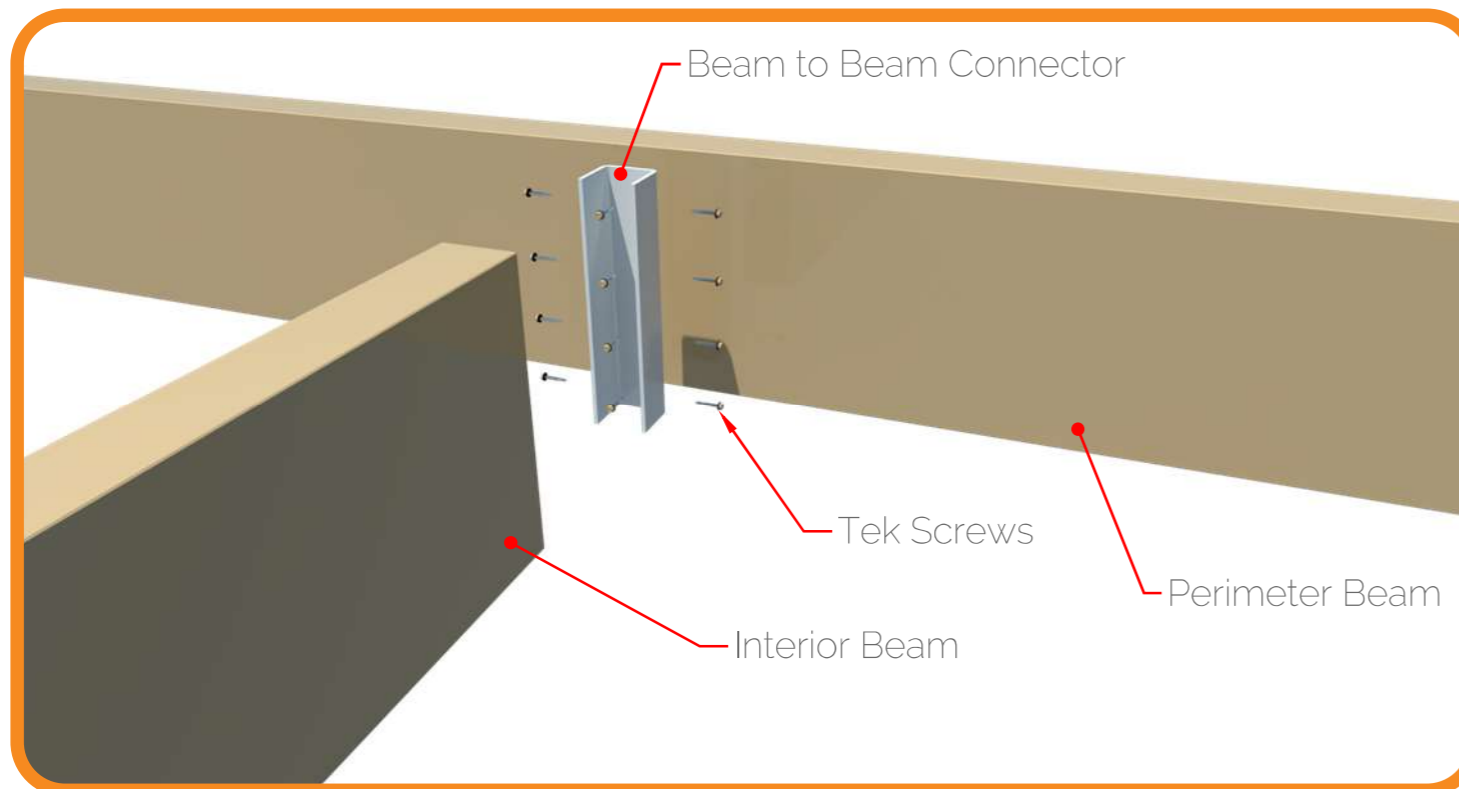


# HOW IT ALL FITS TOGETHER:

- Perimeter Beam Corner

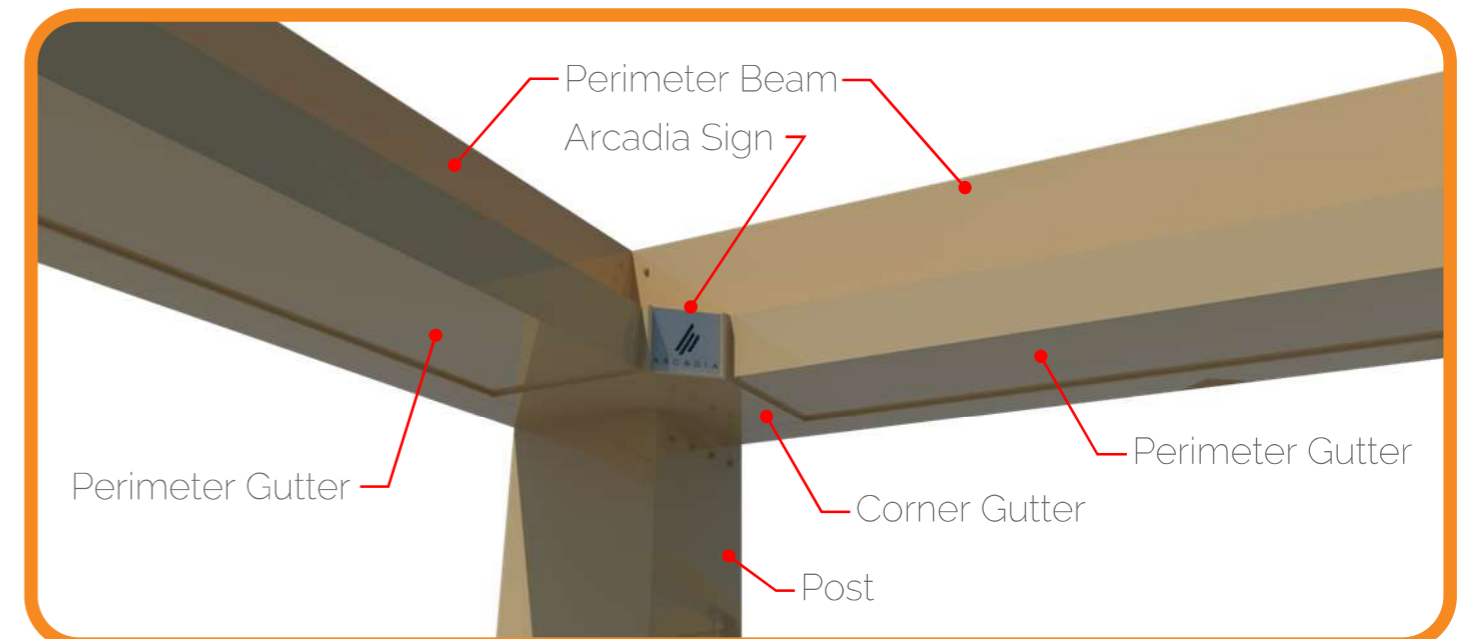
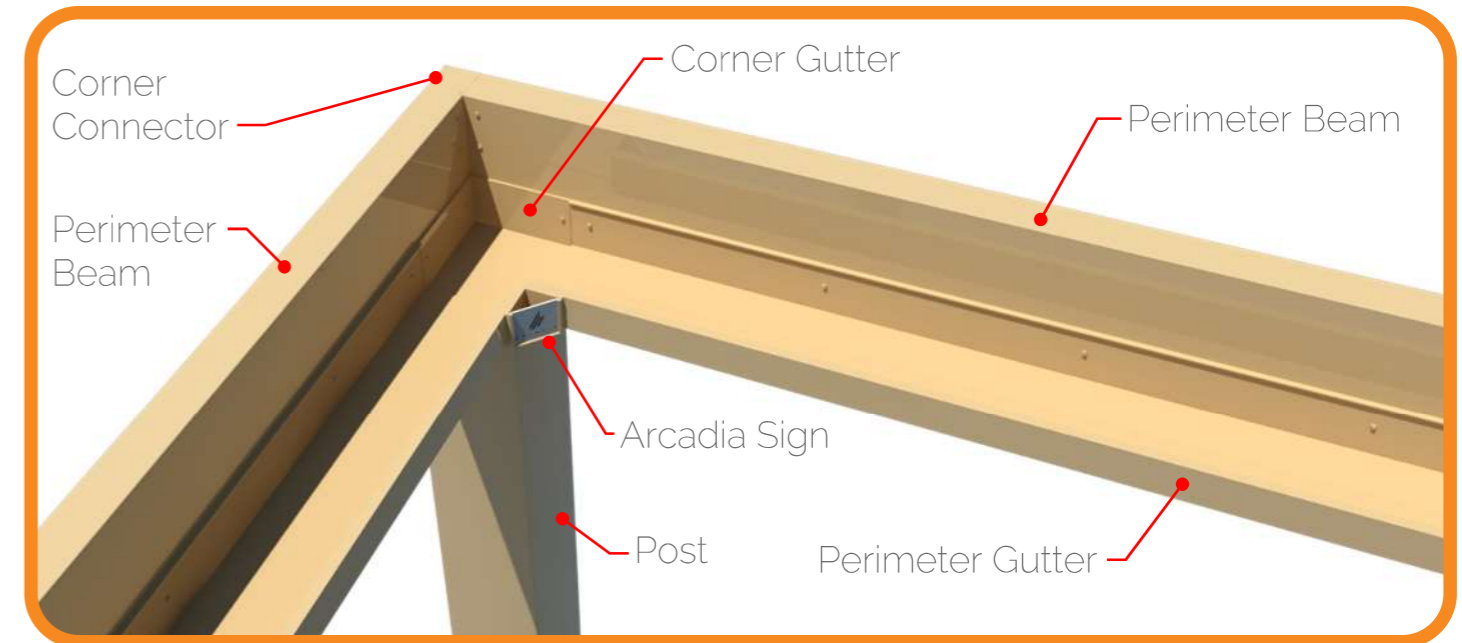
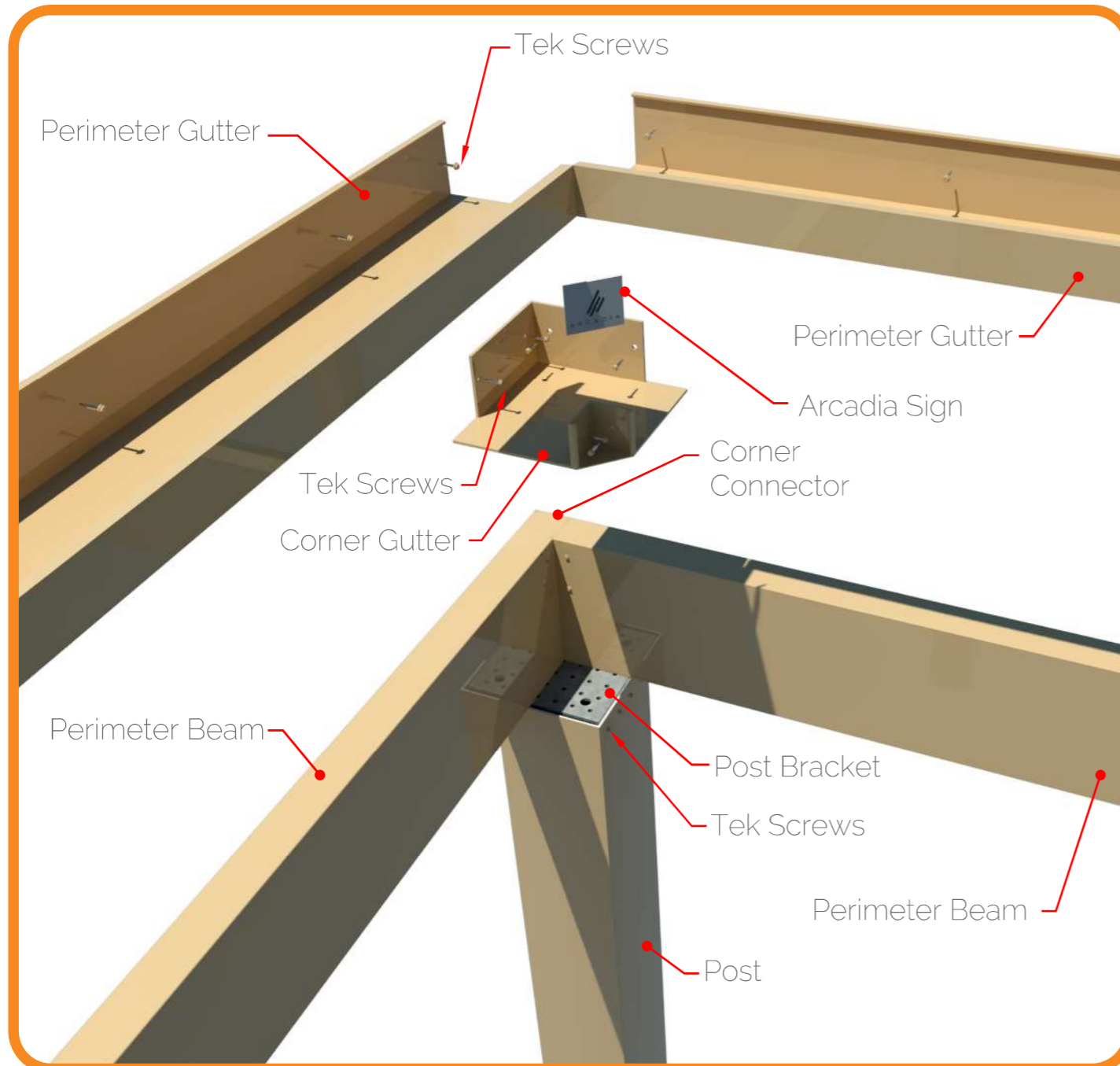


- Perimeter Beam to Interior Beam & to DBL Interior Beam



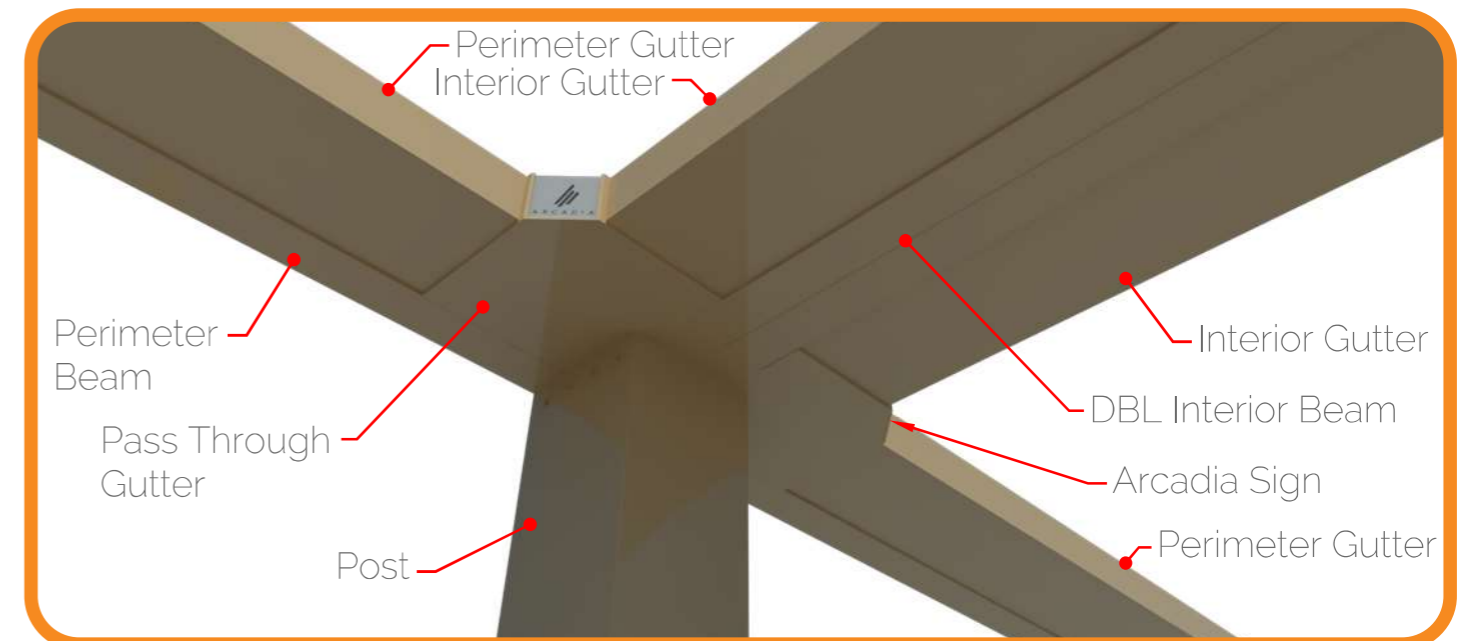
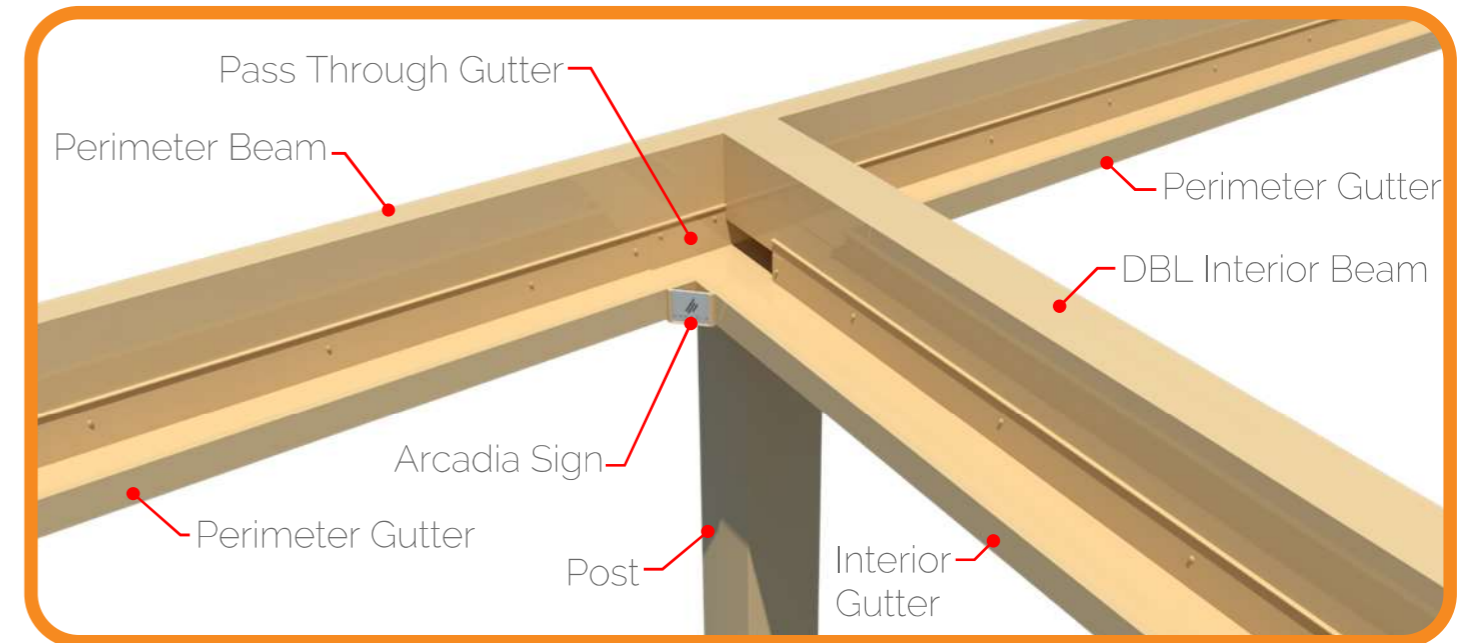
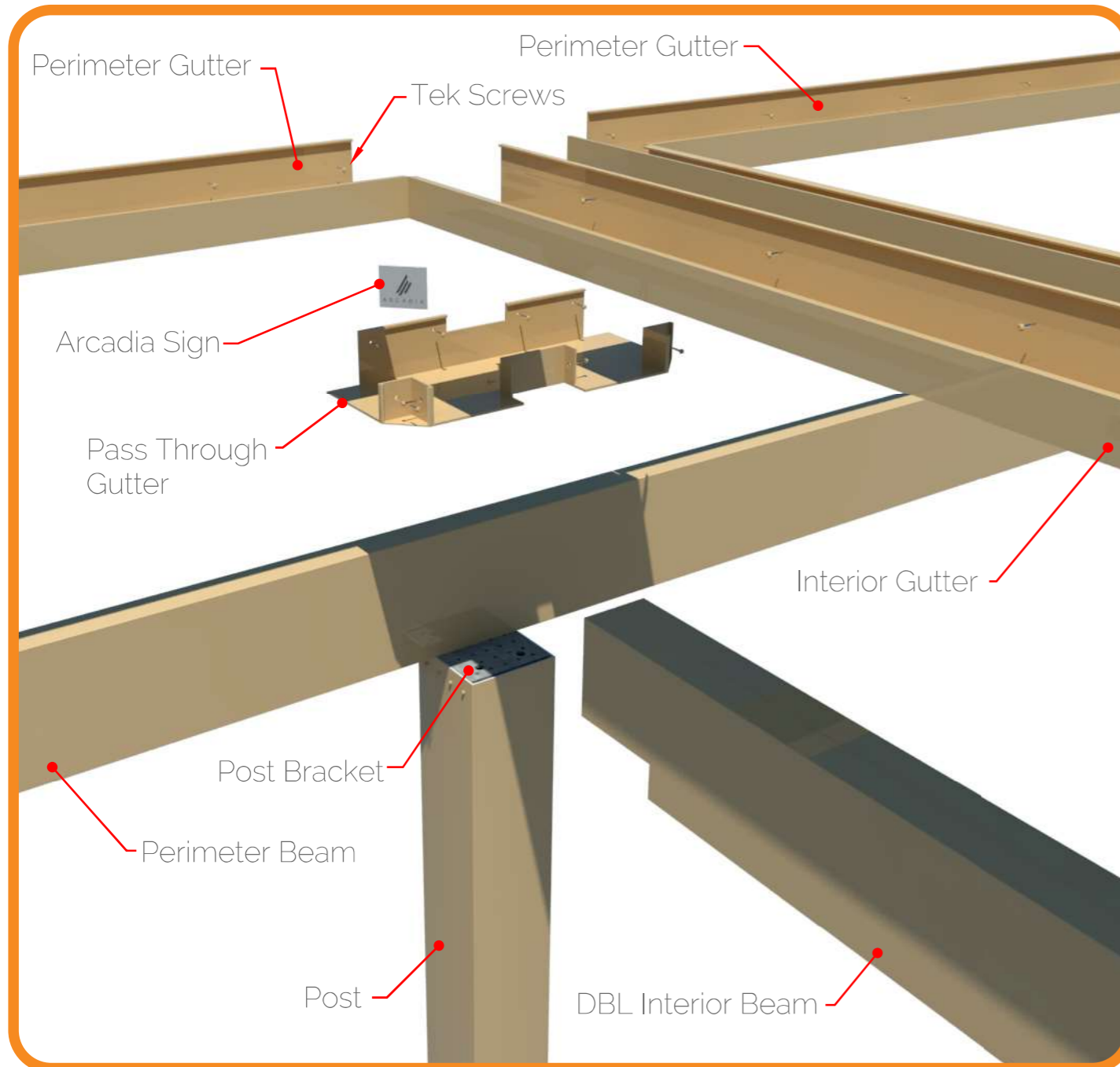
## HOW IT ALL FITS TOGETHER:

- Beam to Gutter / Corner



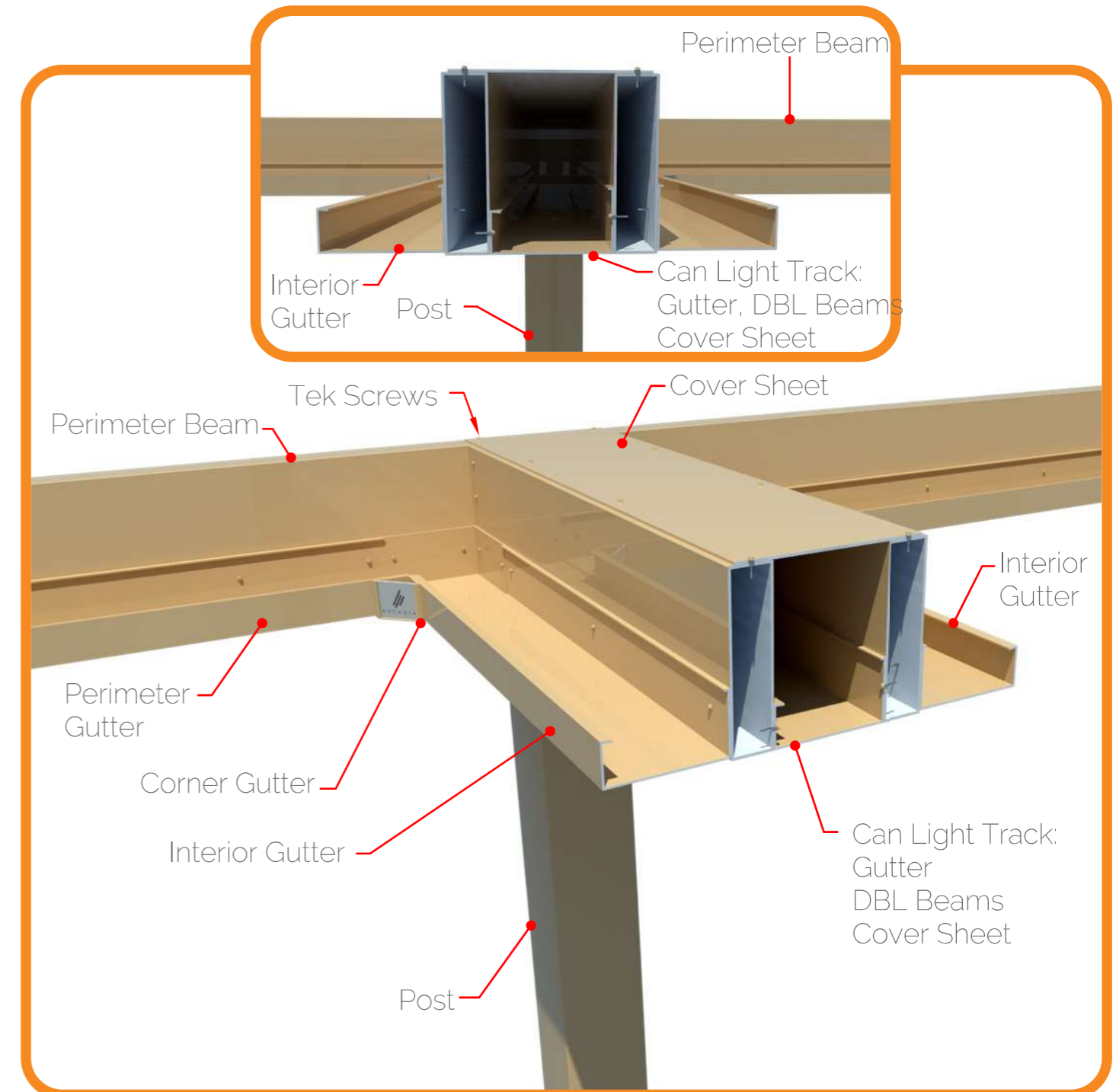
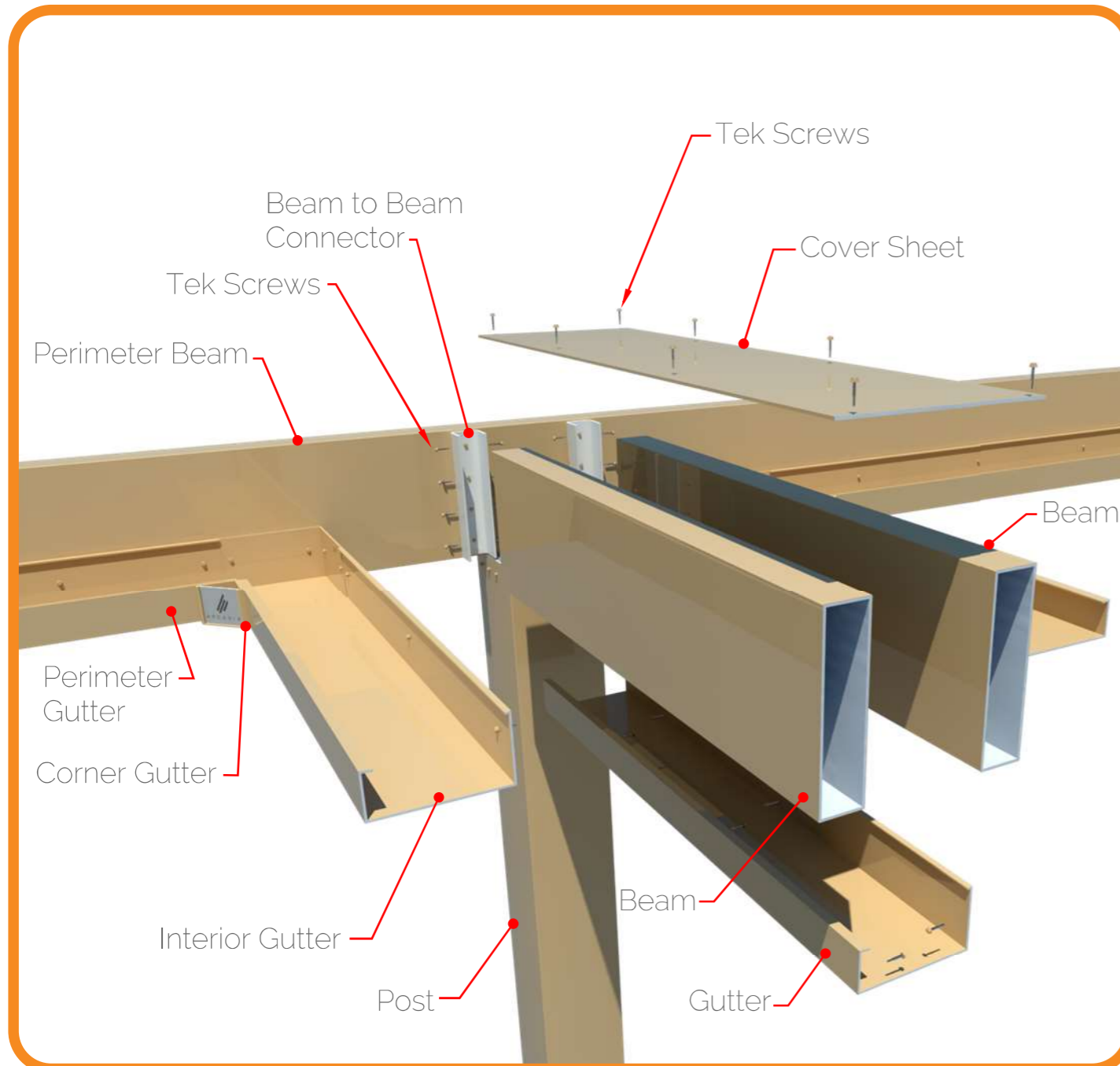
# HOW IT ALL FITS TOGETHER:

- Beam to Gutter / Pass Through



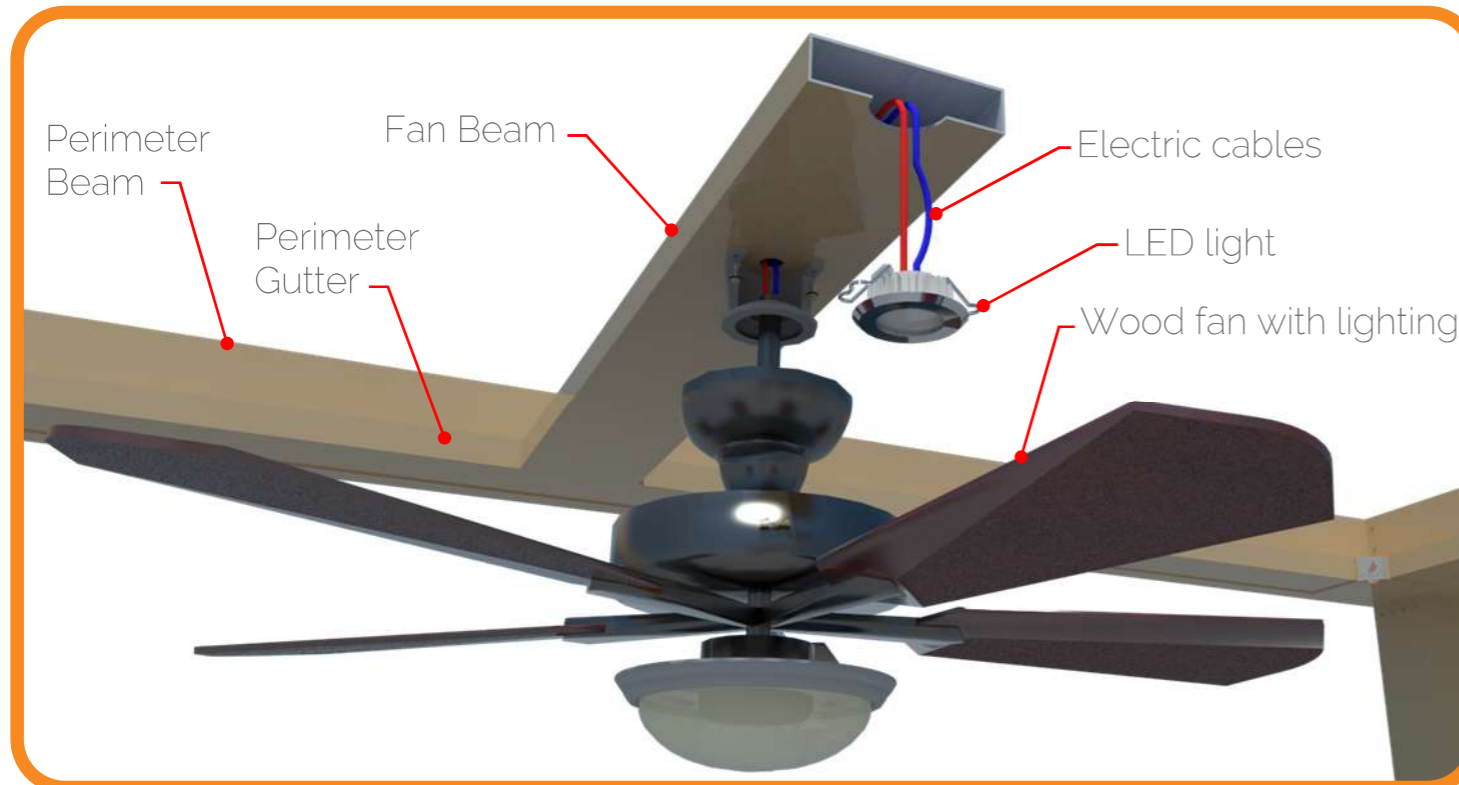
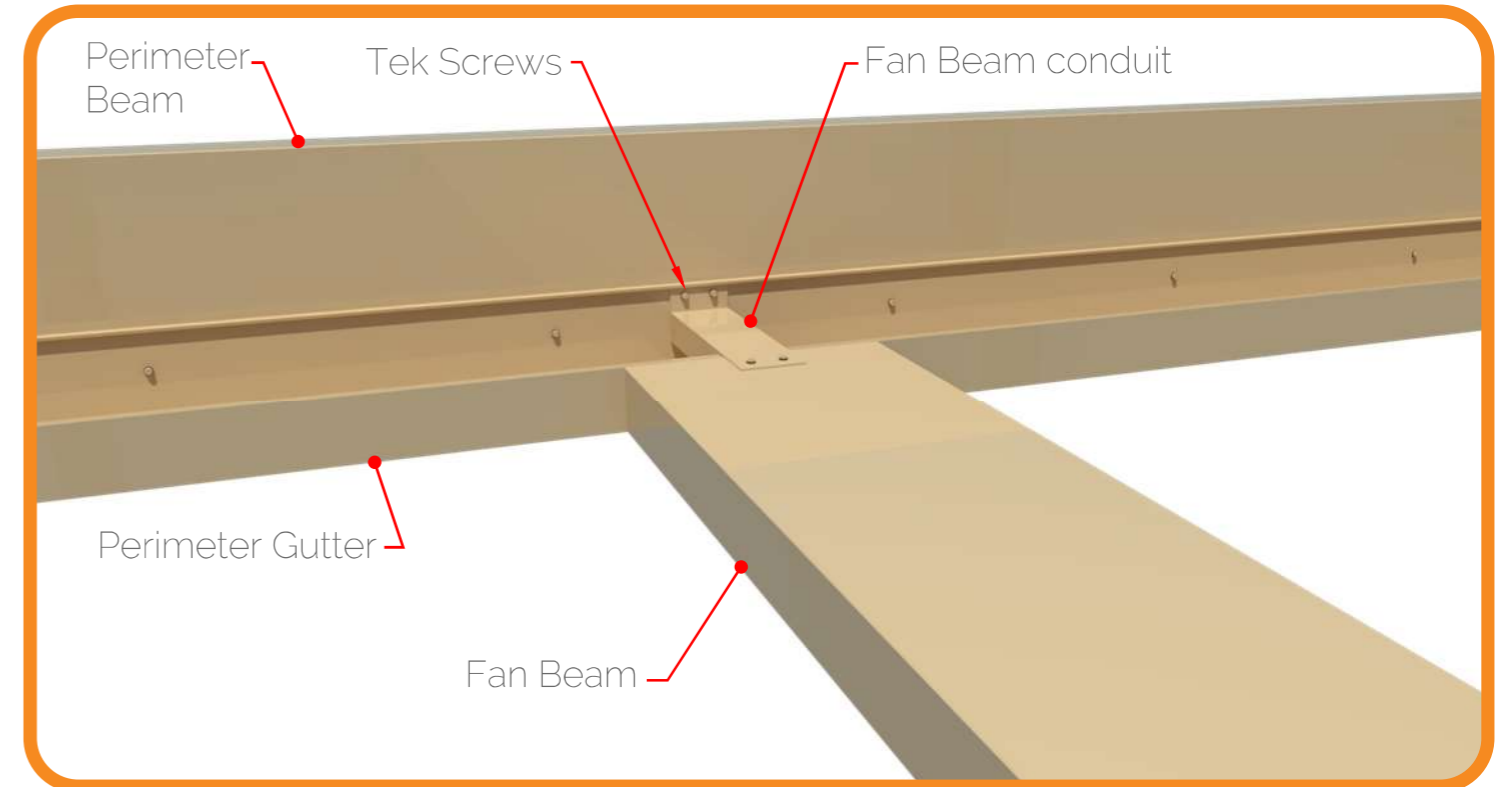
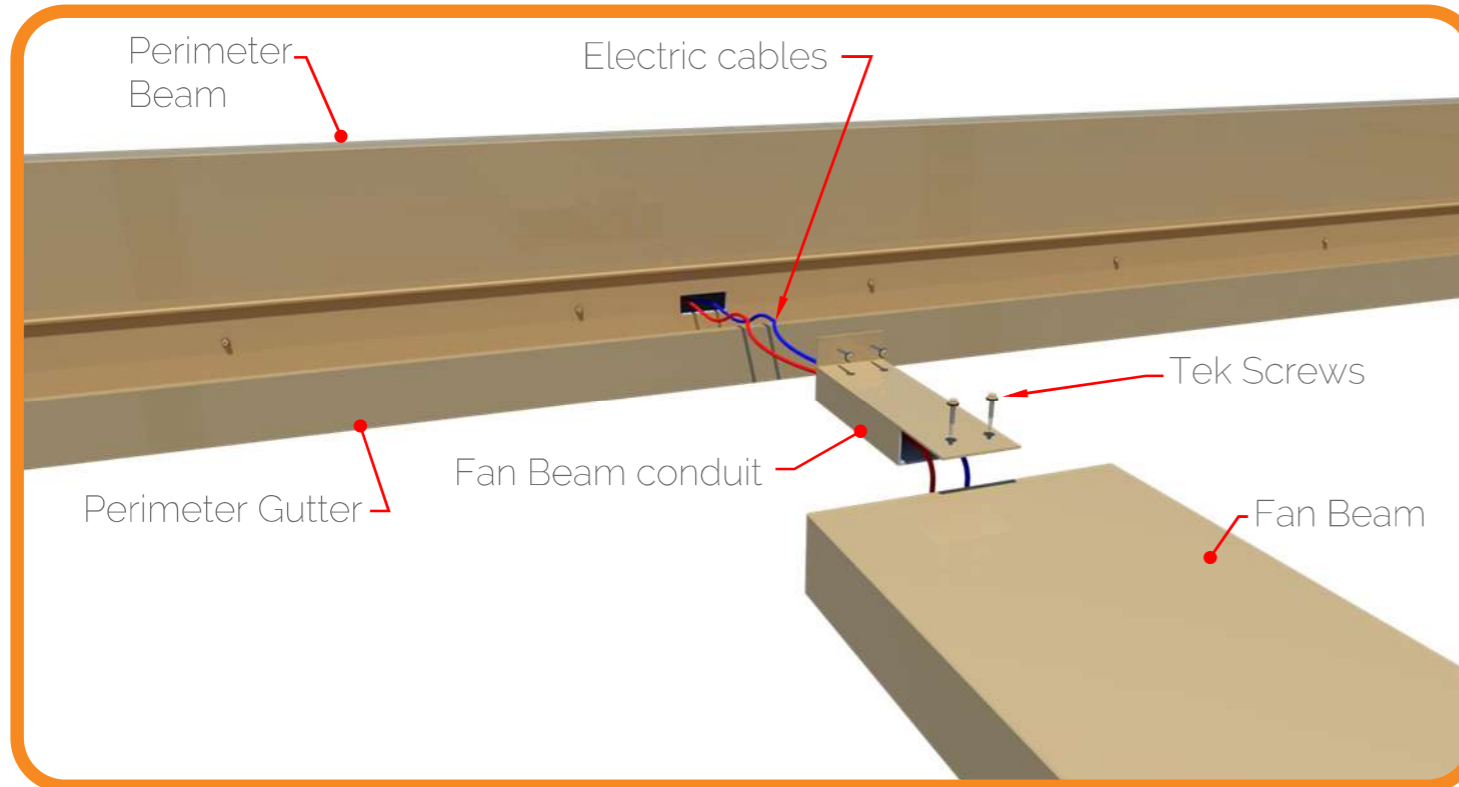
# HOW IT ALL FITS TOGETHER:

- Can Light Track



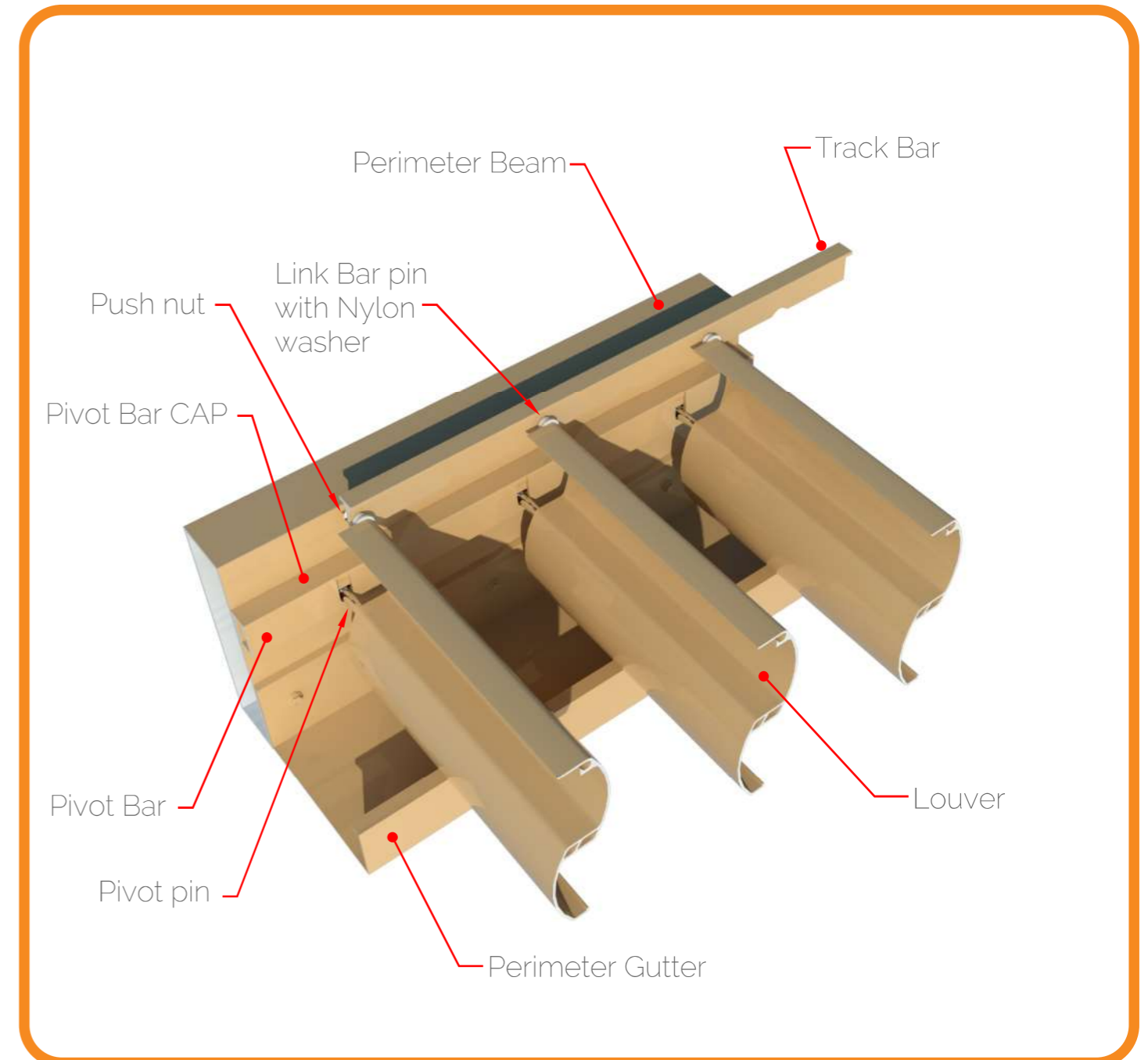
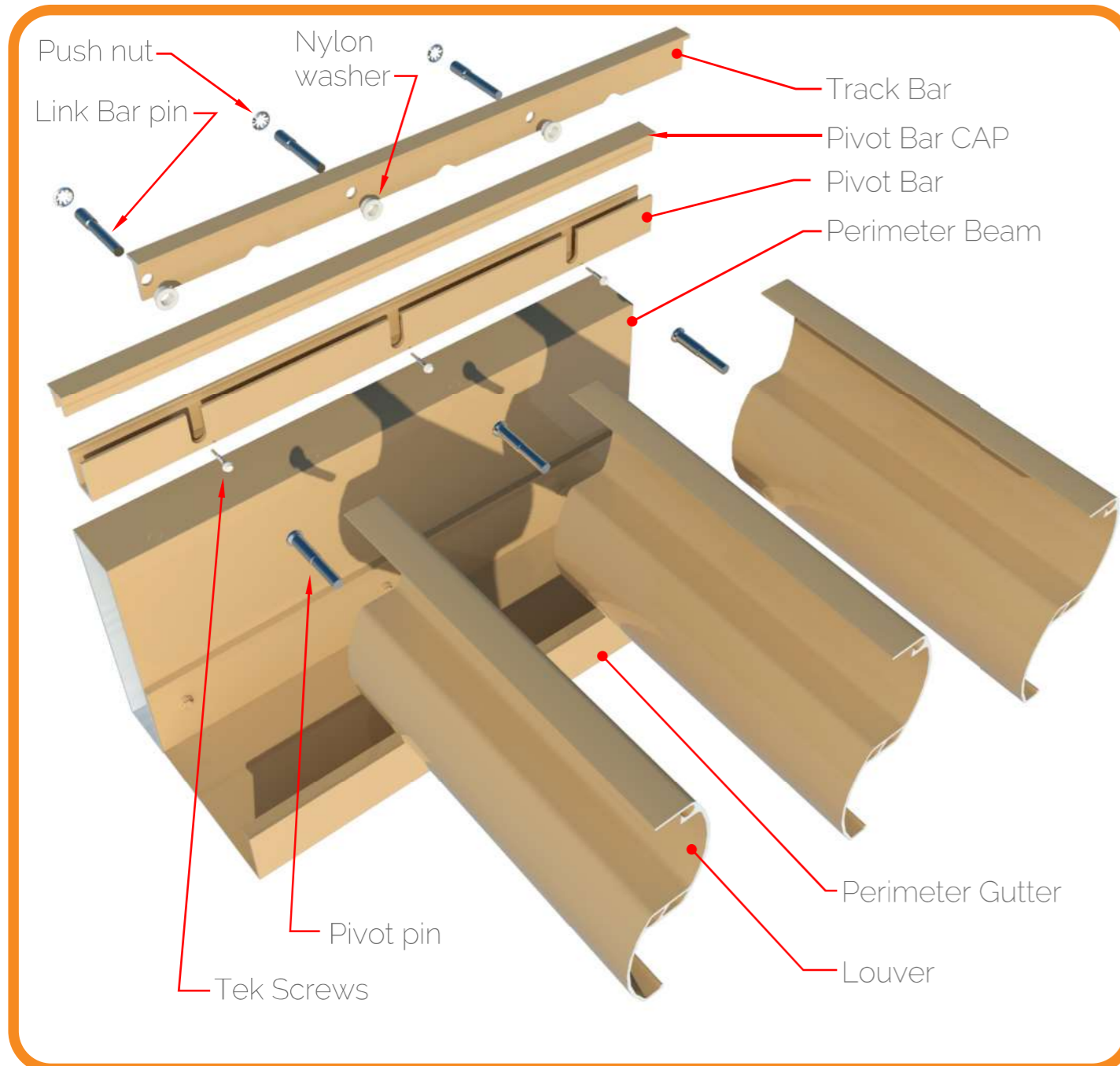
# HOW IT ALL FITS TOGETHER:

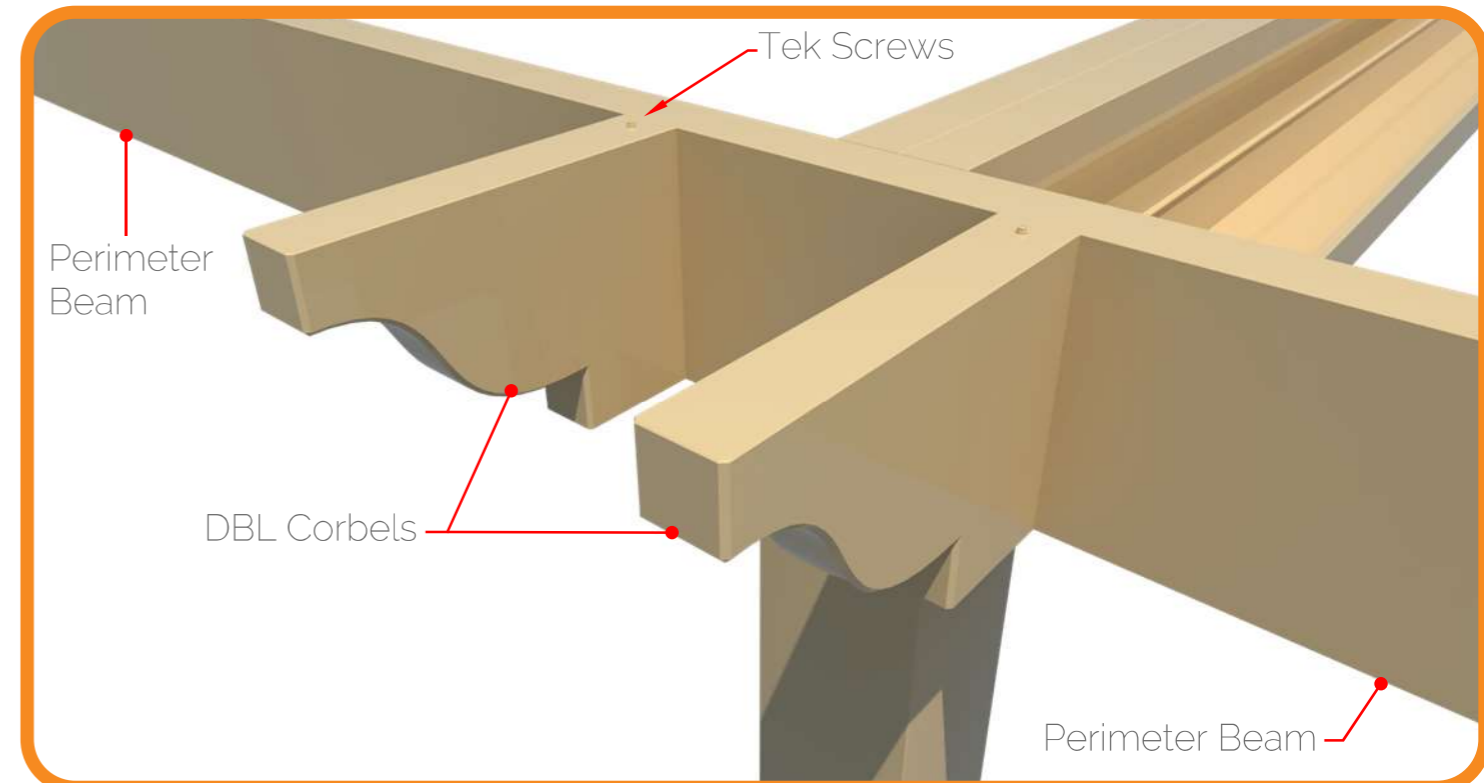
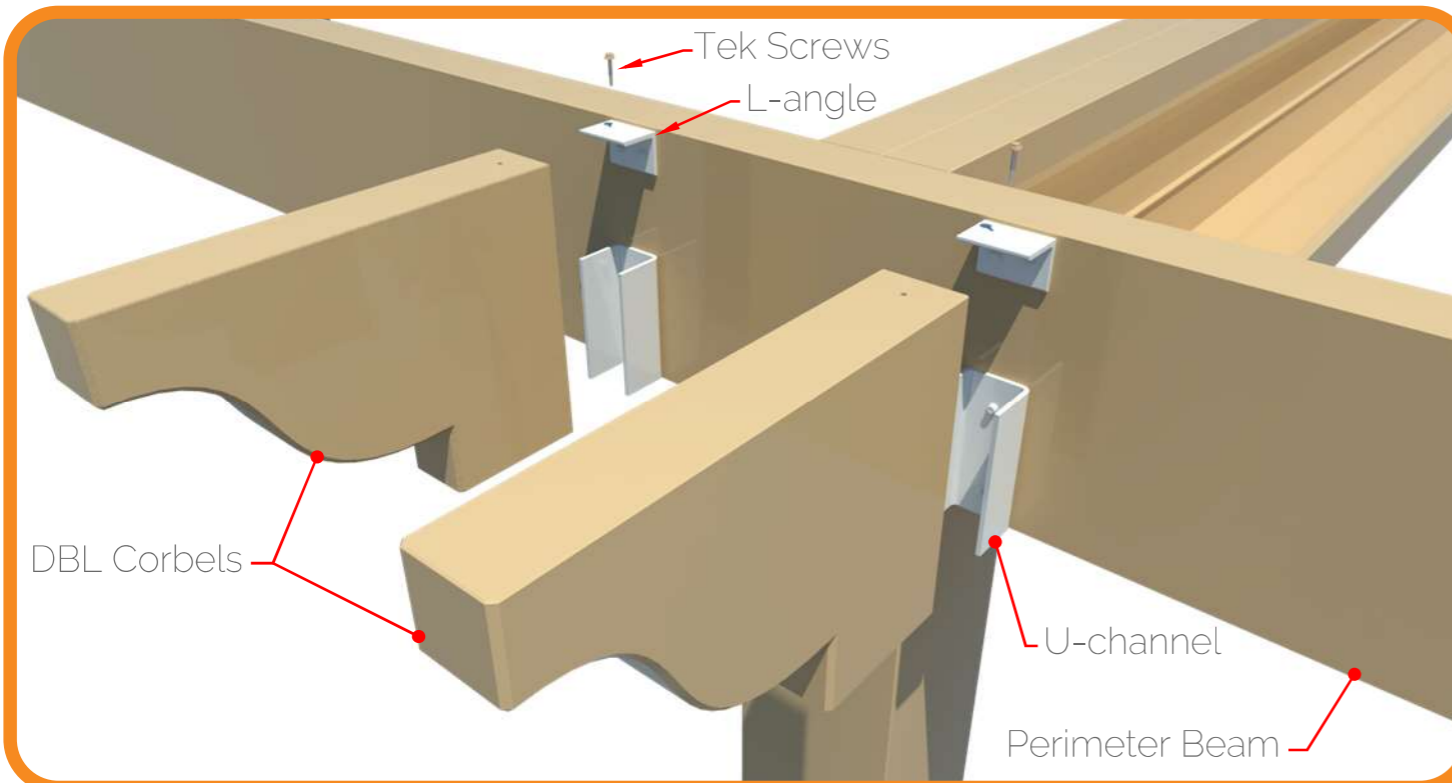
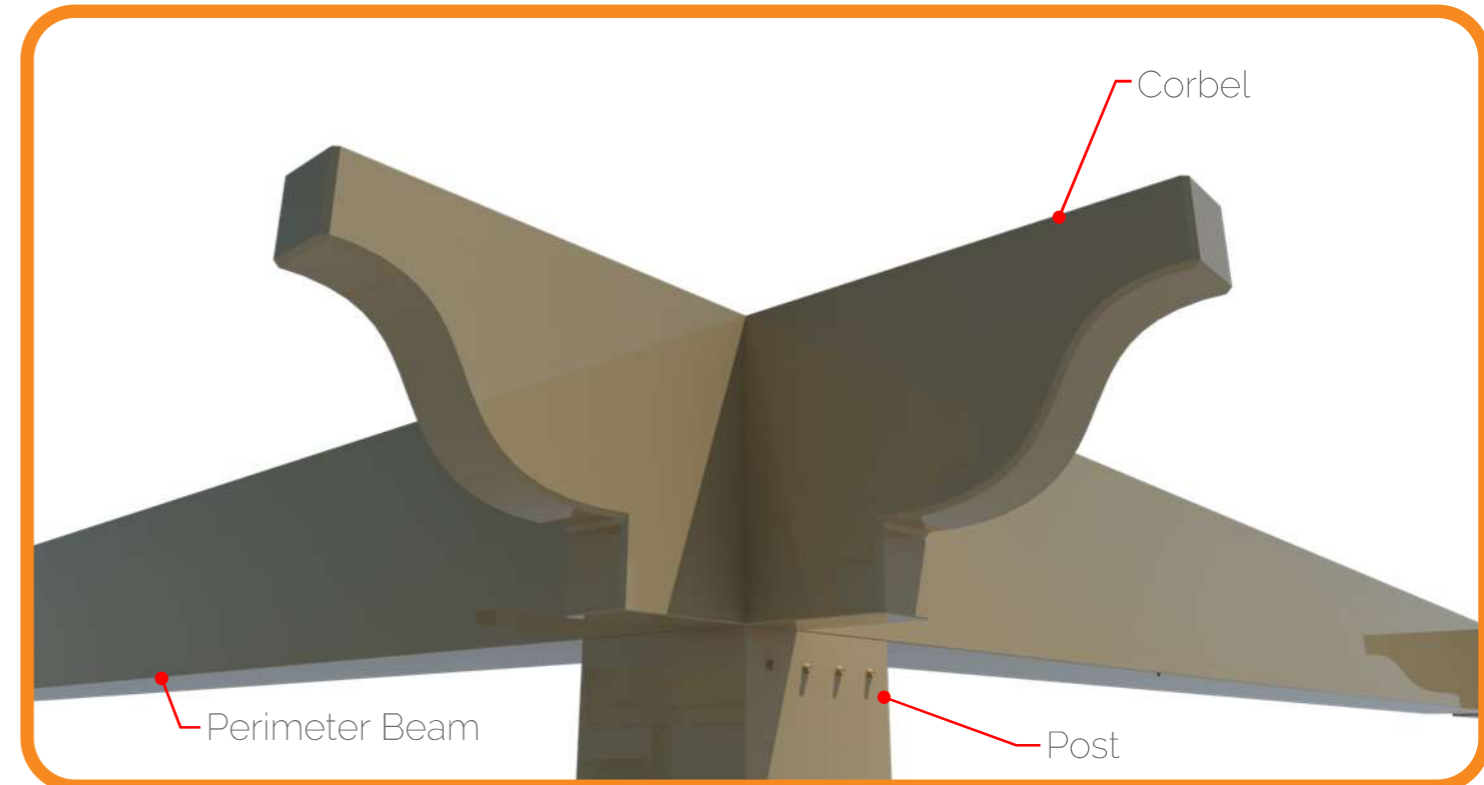
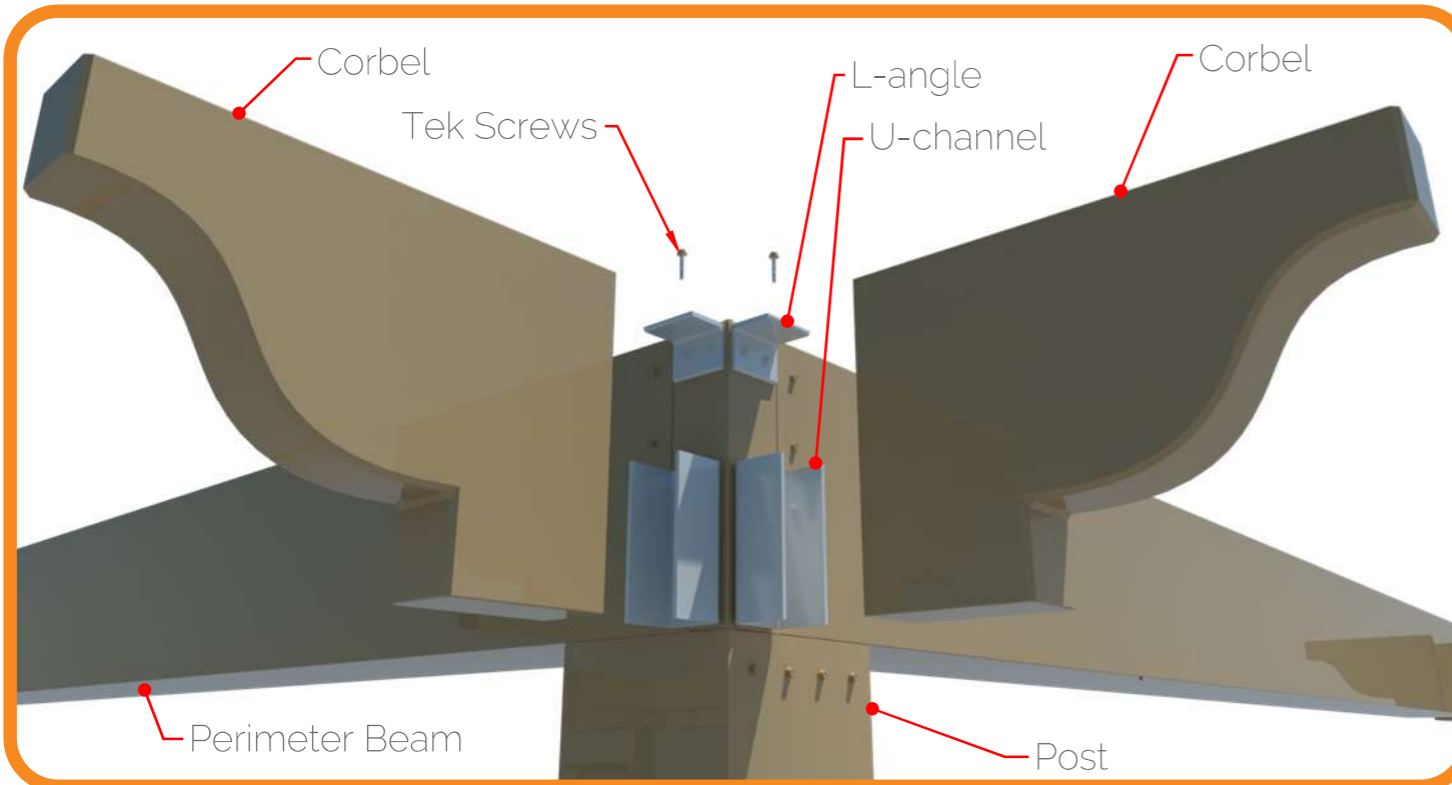
- Fan Beam



# HOW IT ALL FITS TOGETHER:

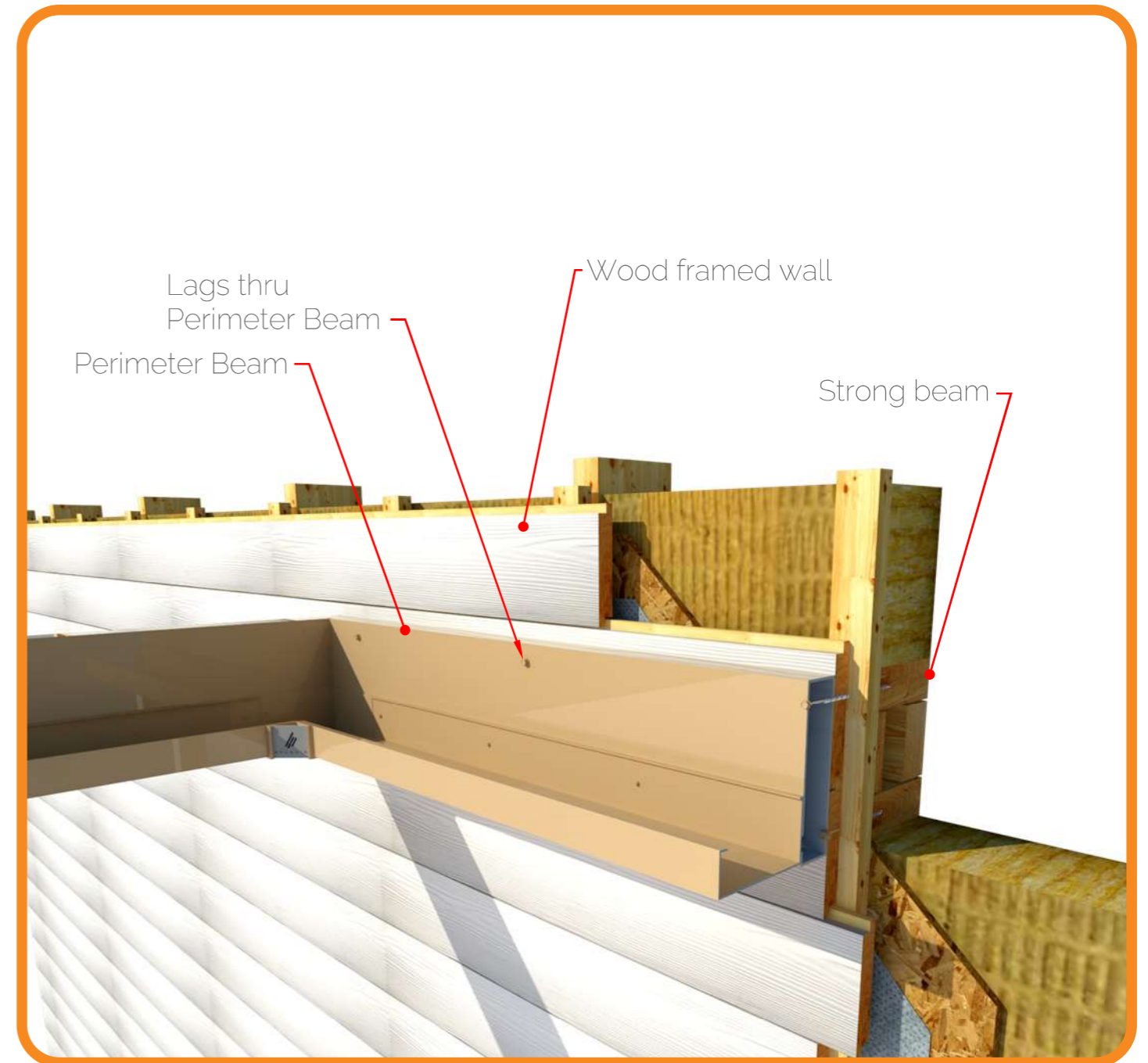
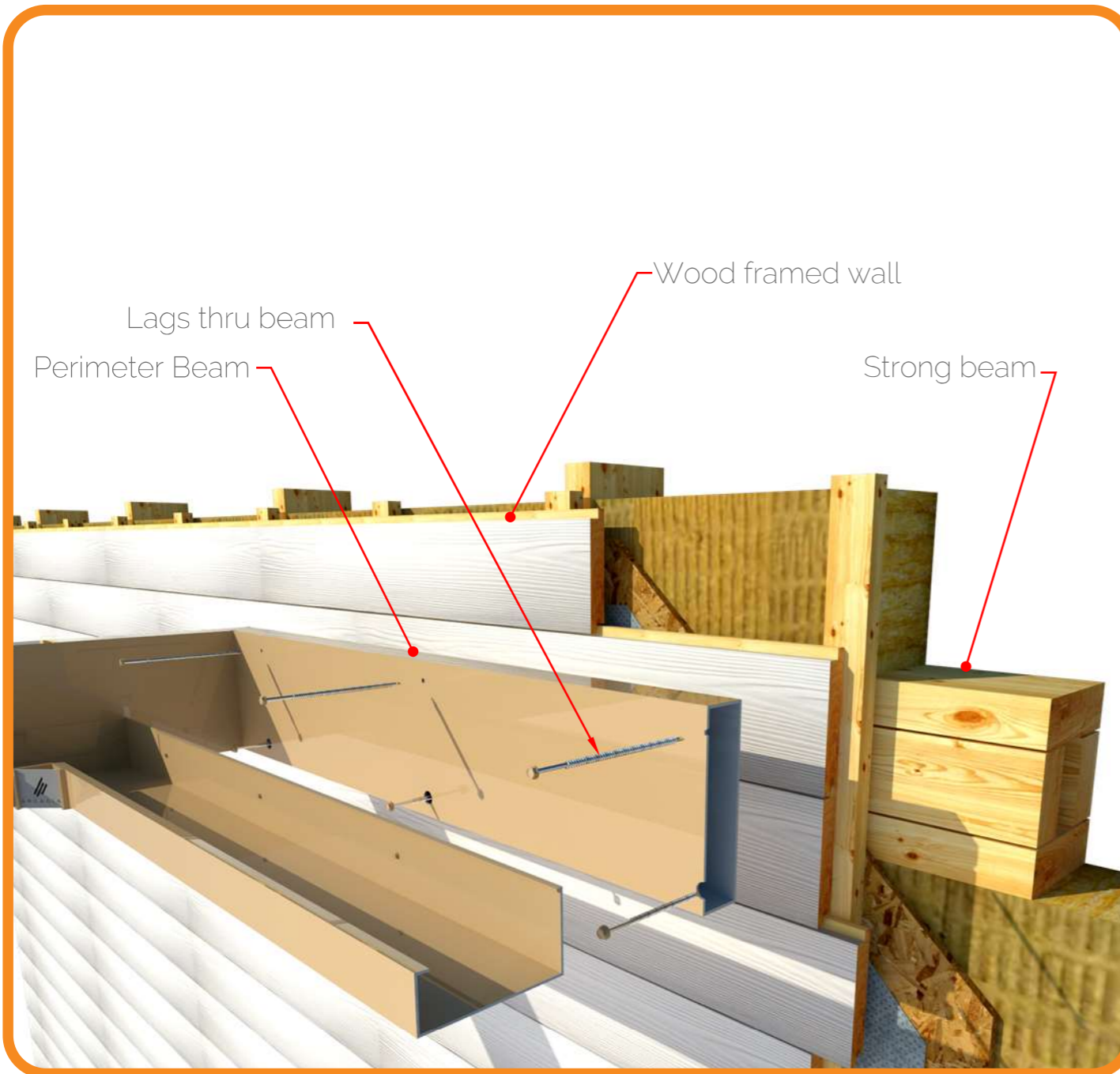
- Pivot louvers





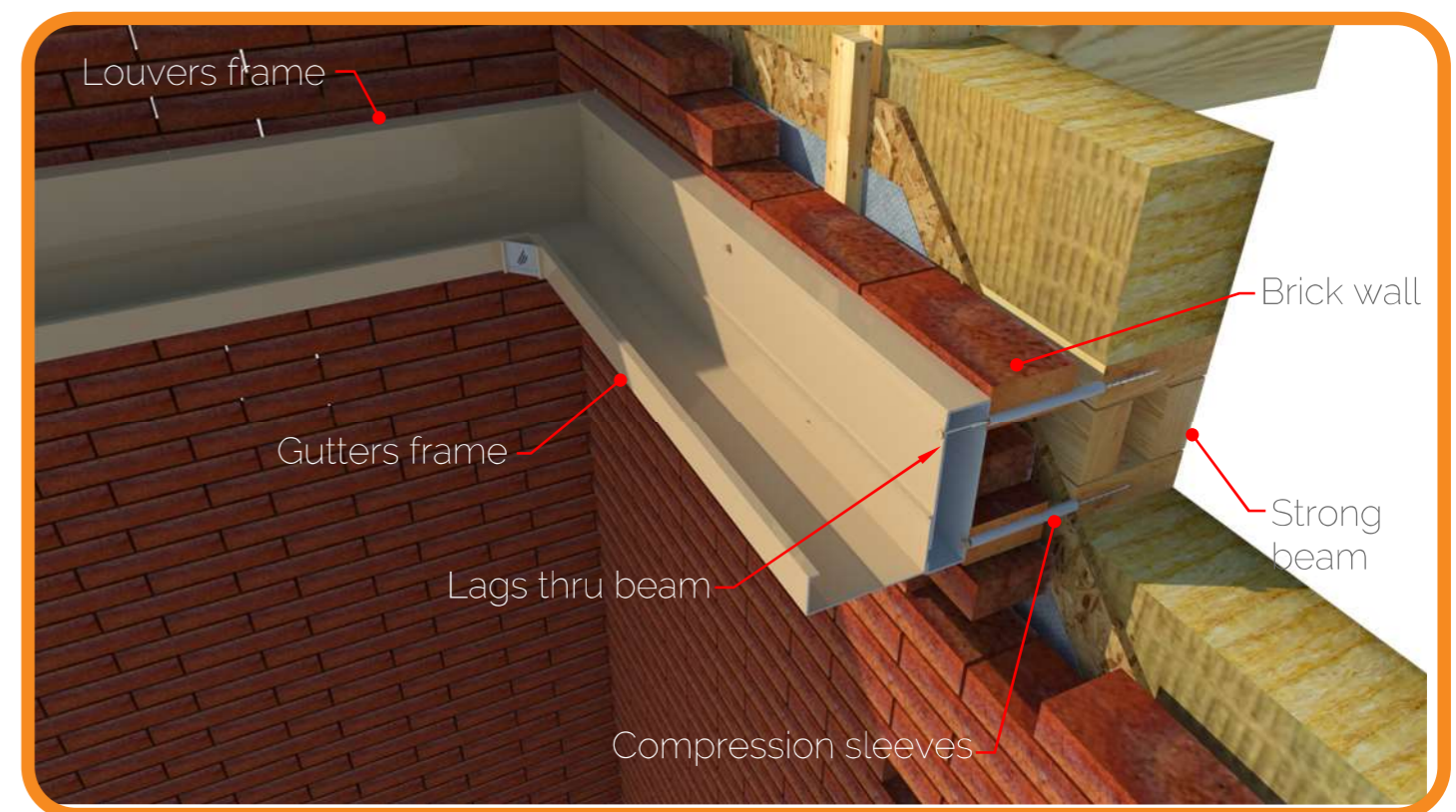
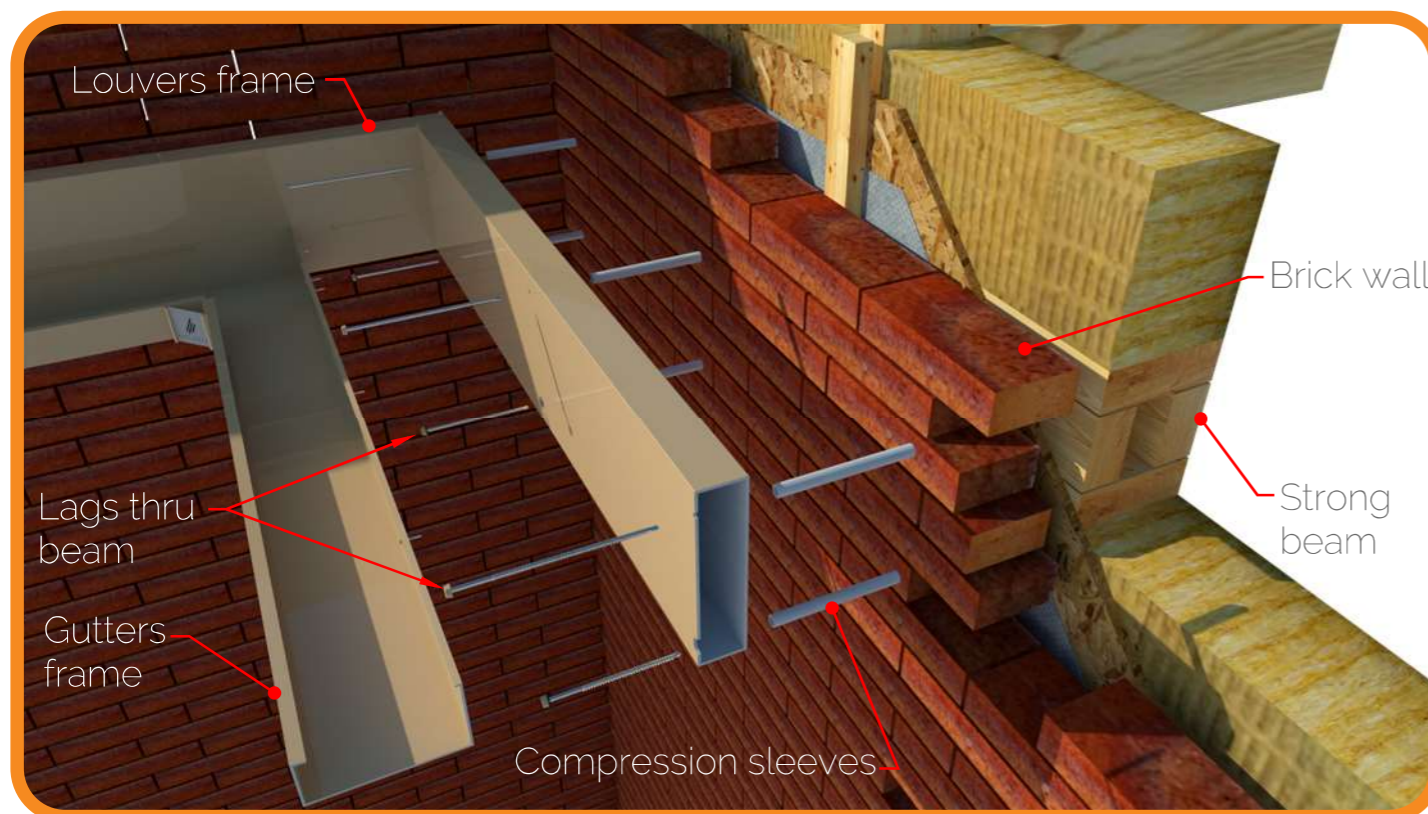
# HOW IT ALL FITS TOGETHER:

- Perimeter Beam to host structure "Wooden Beam"



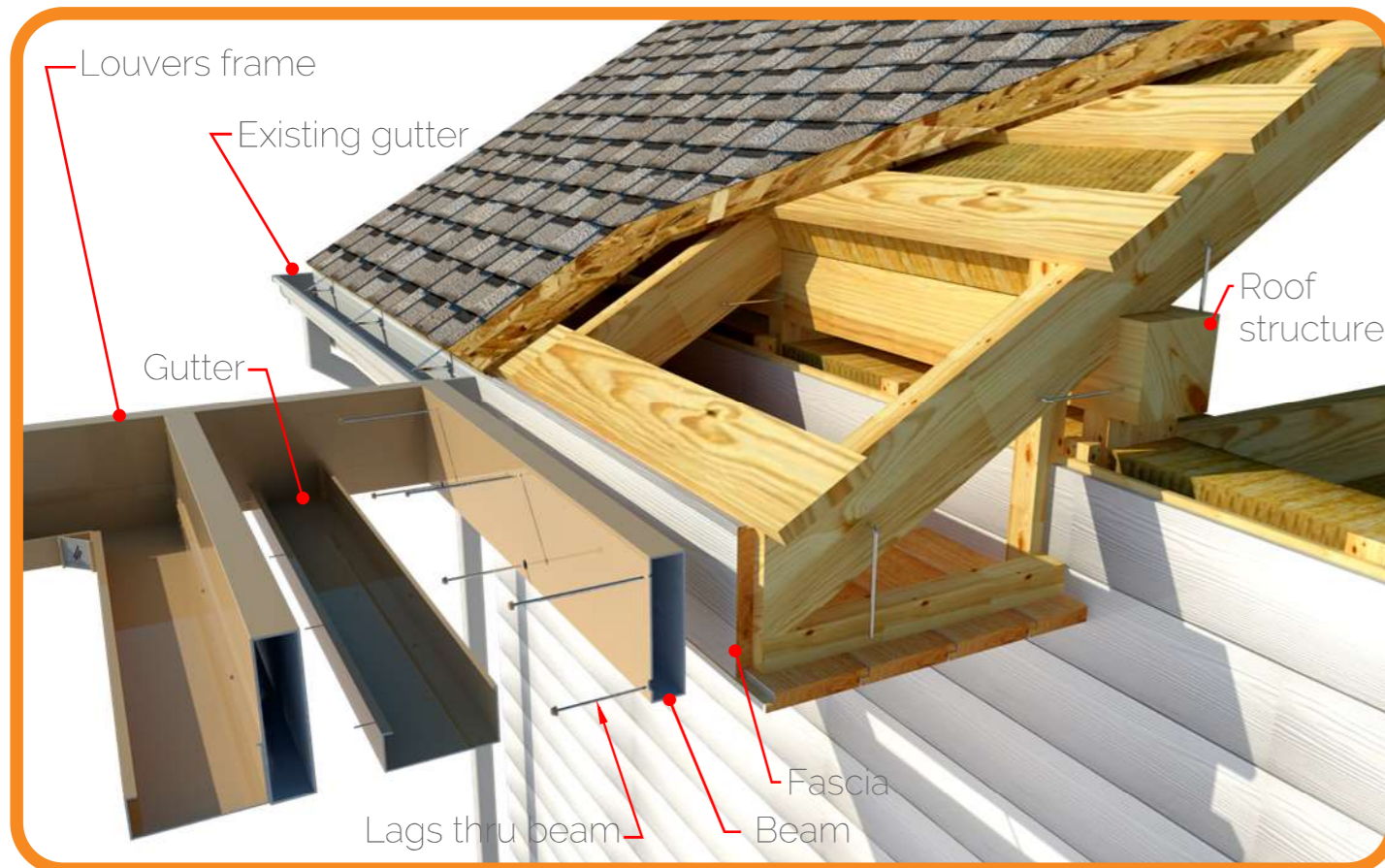
## HOW IT ALL FITS TOGETHER:

- Perimeter Beam to host structure "Brick Wall"



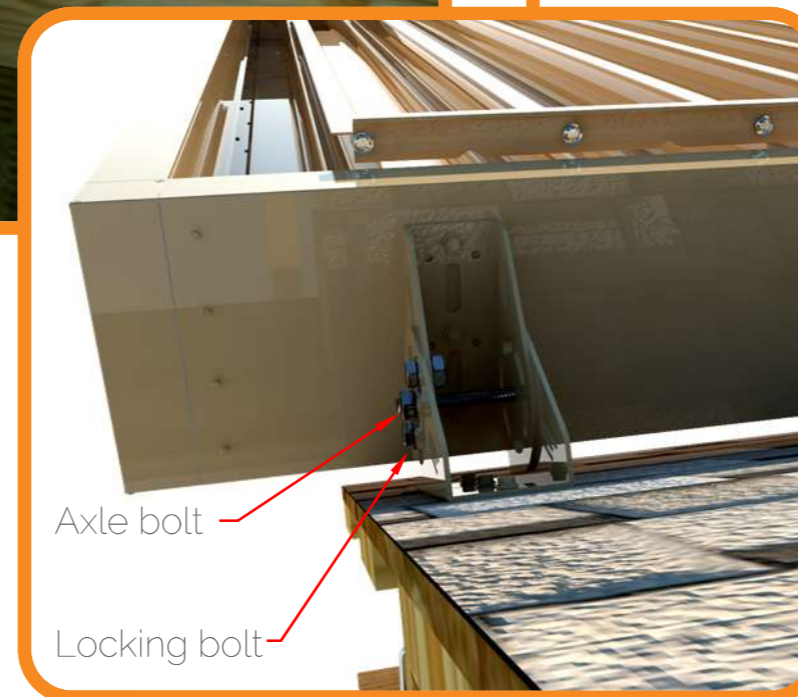
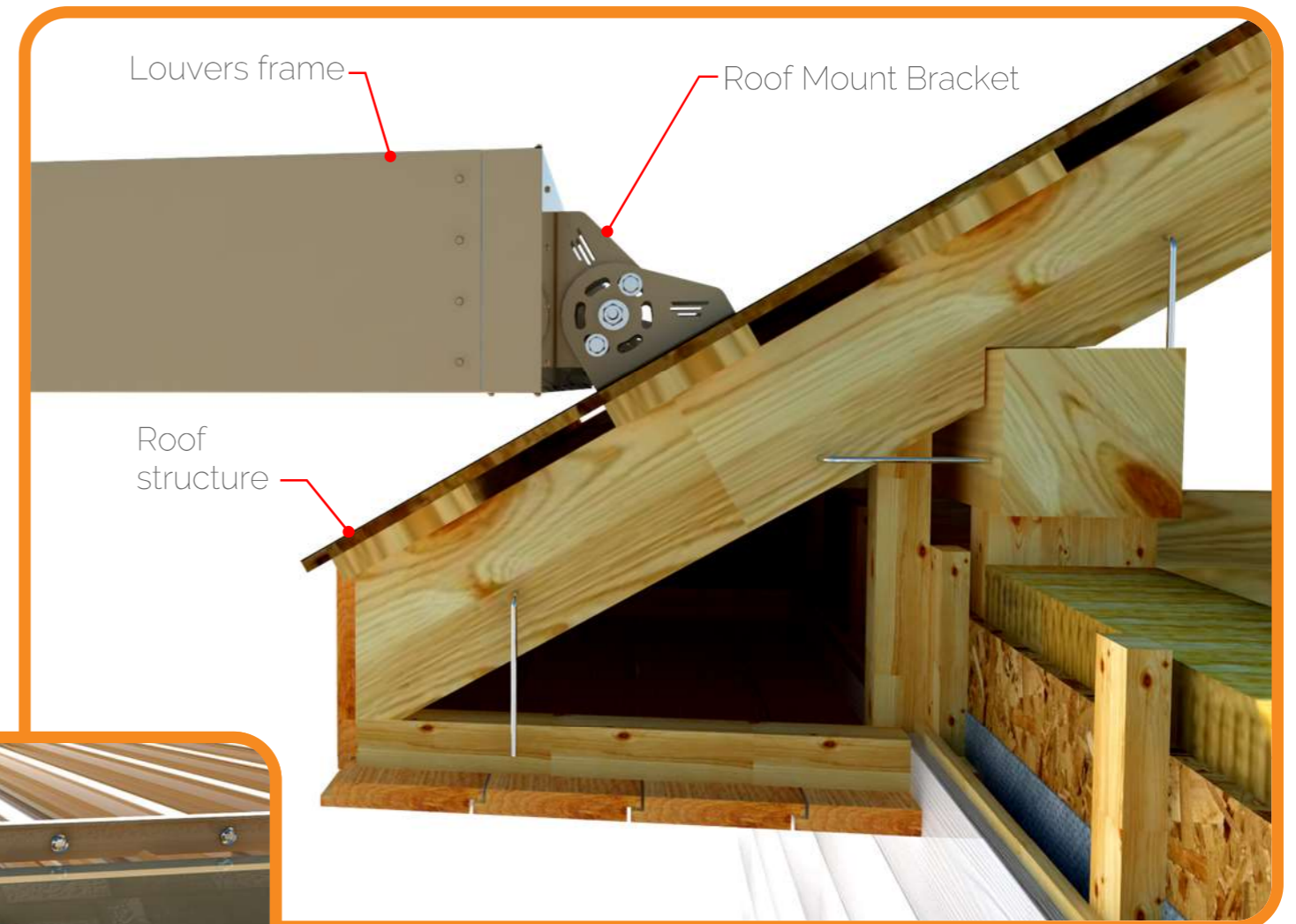
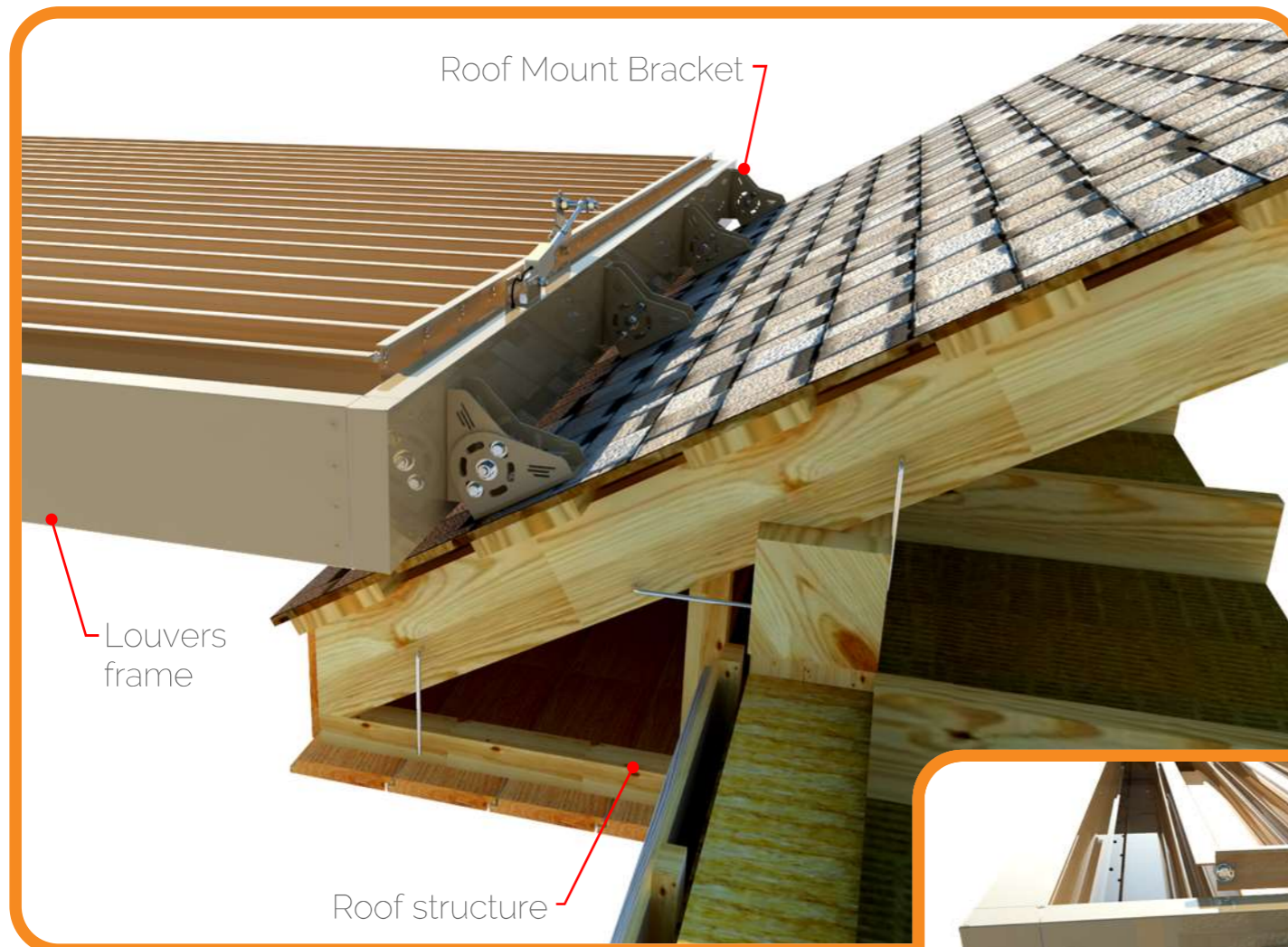
## HOW IT ALL FITS TOGETHER:

- Perimeter Beam to host structure "Fascia"



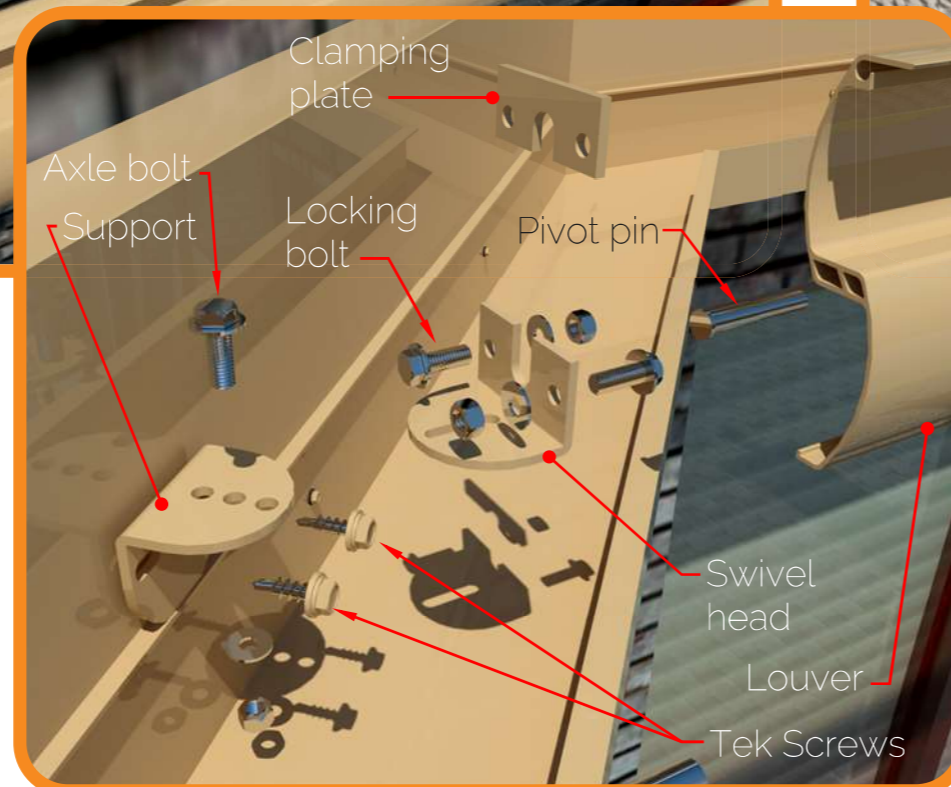
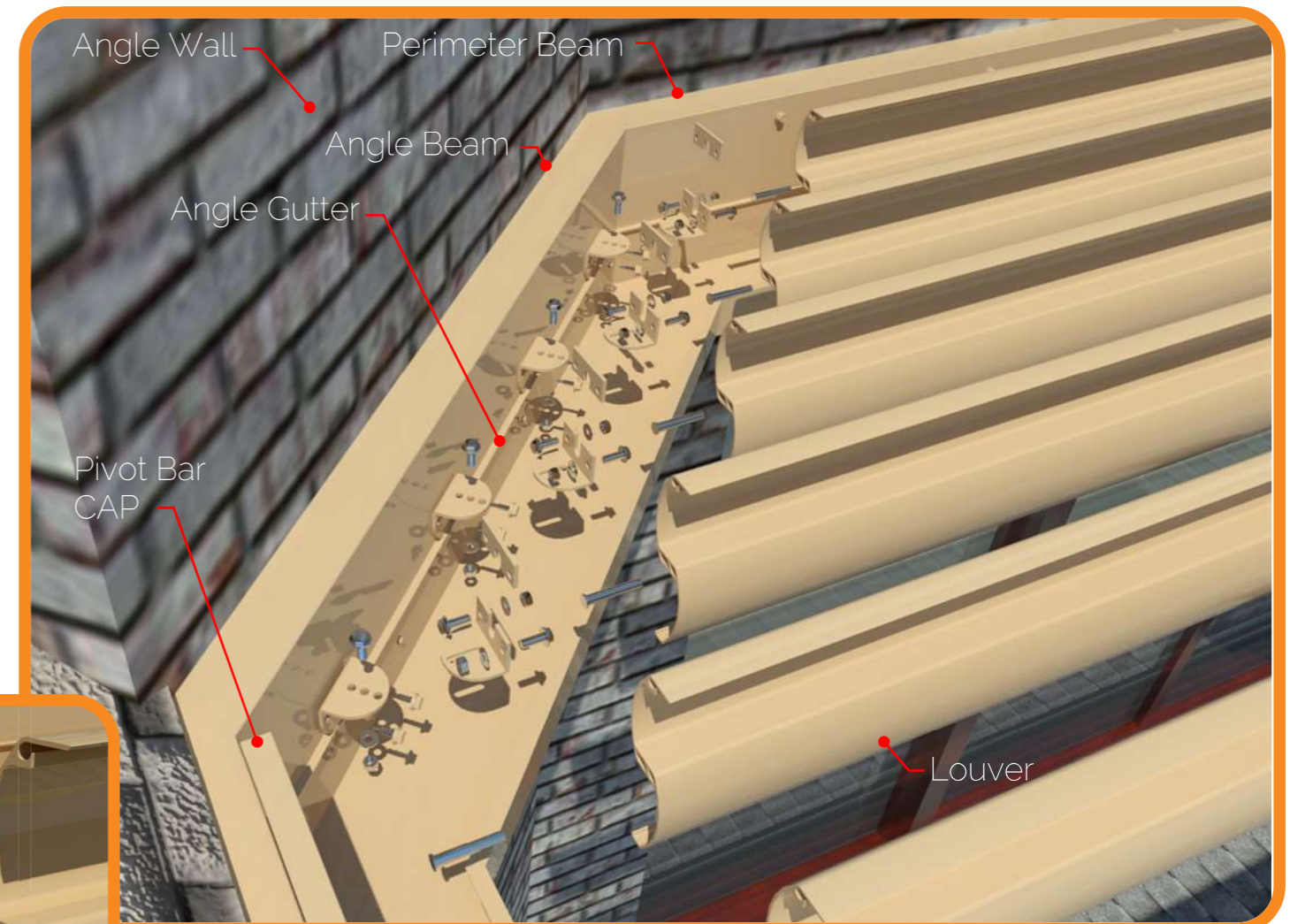
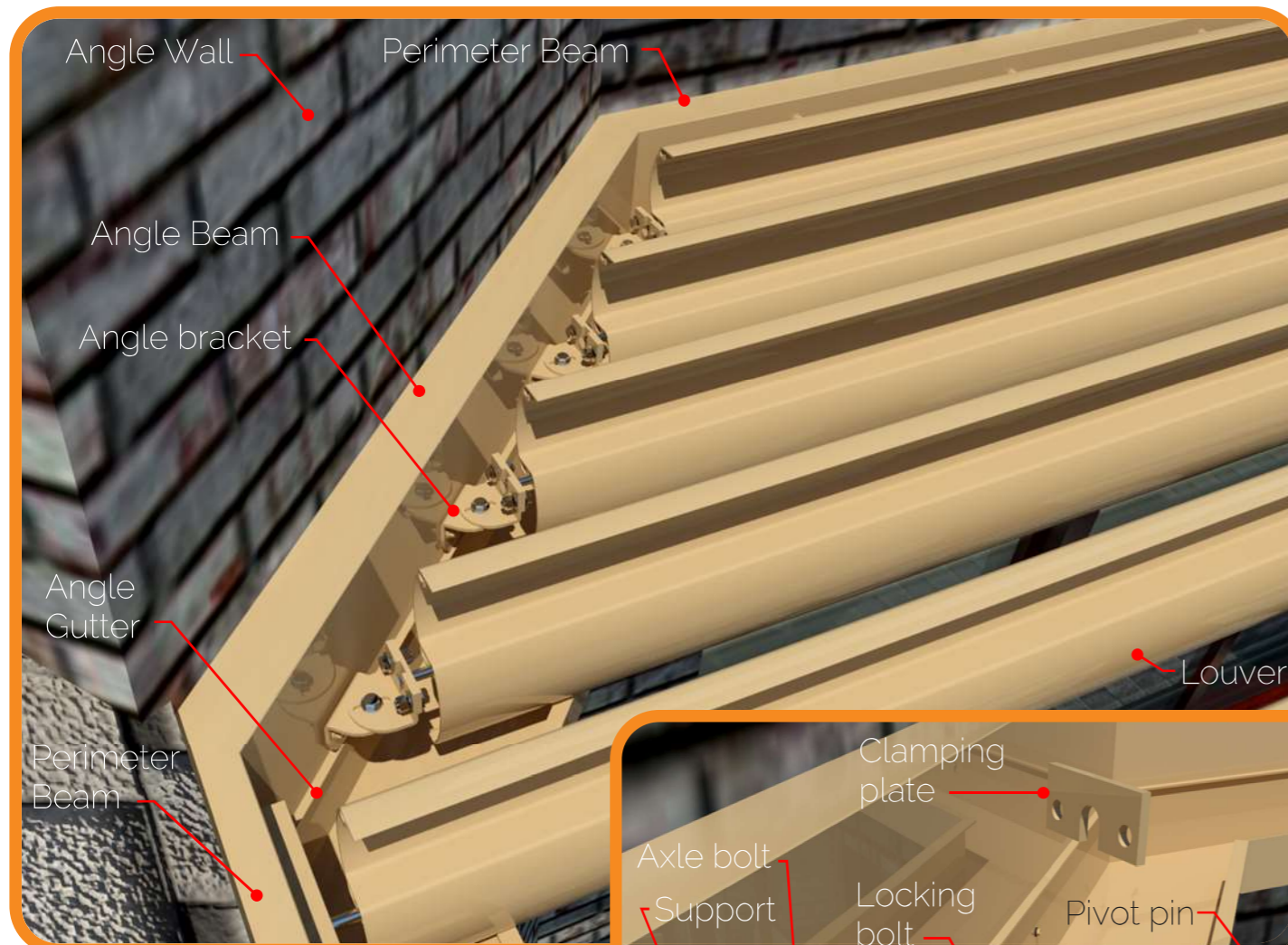
# HOW IT ALL FITS TOGETHER:

- Perimeter Beam to host structure "Roof"



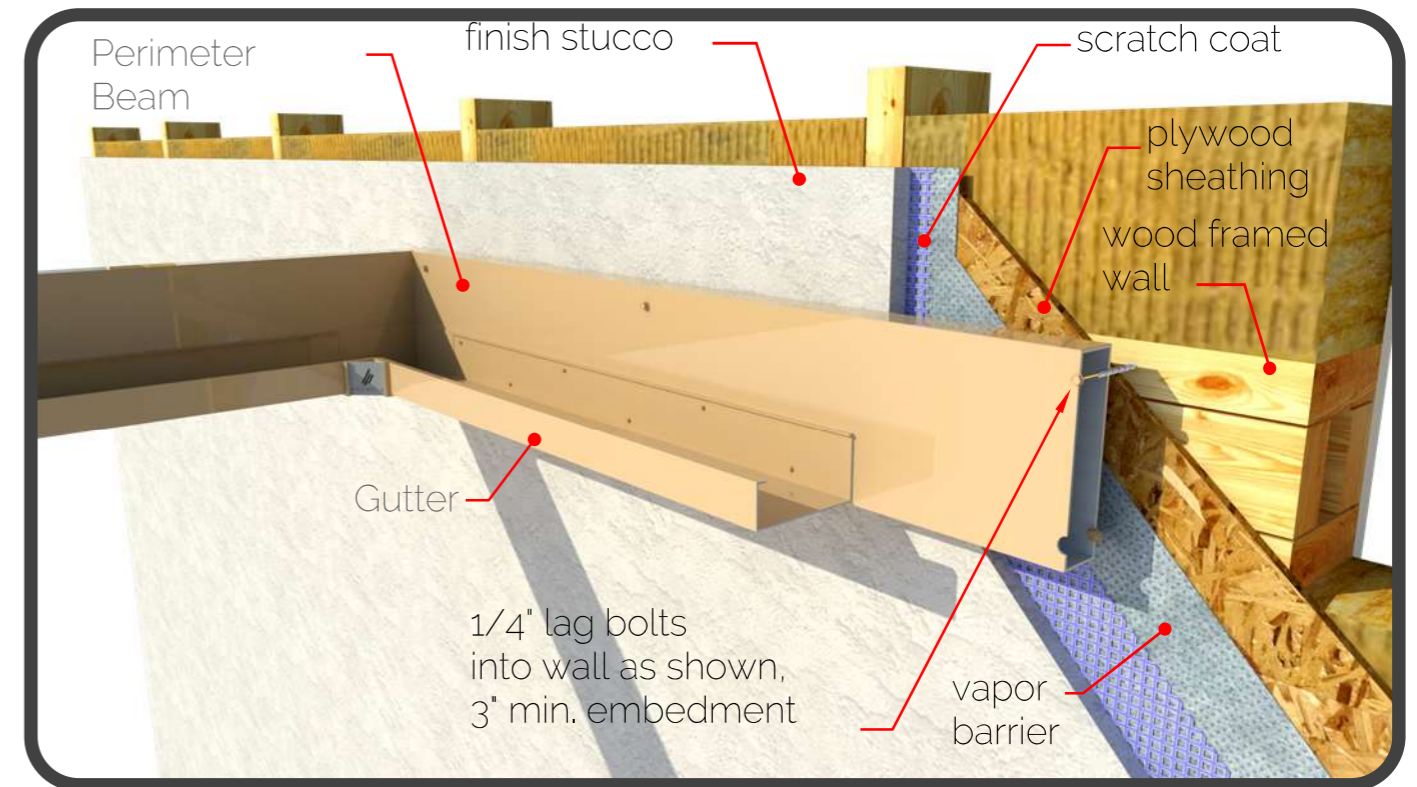
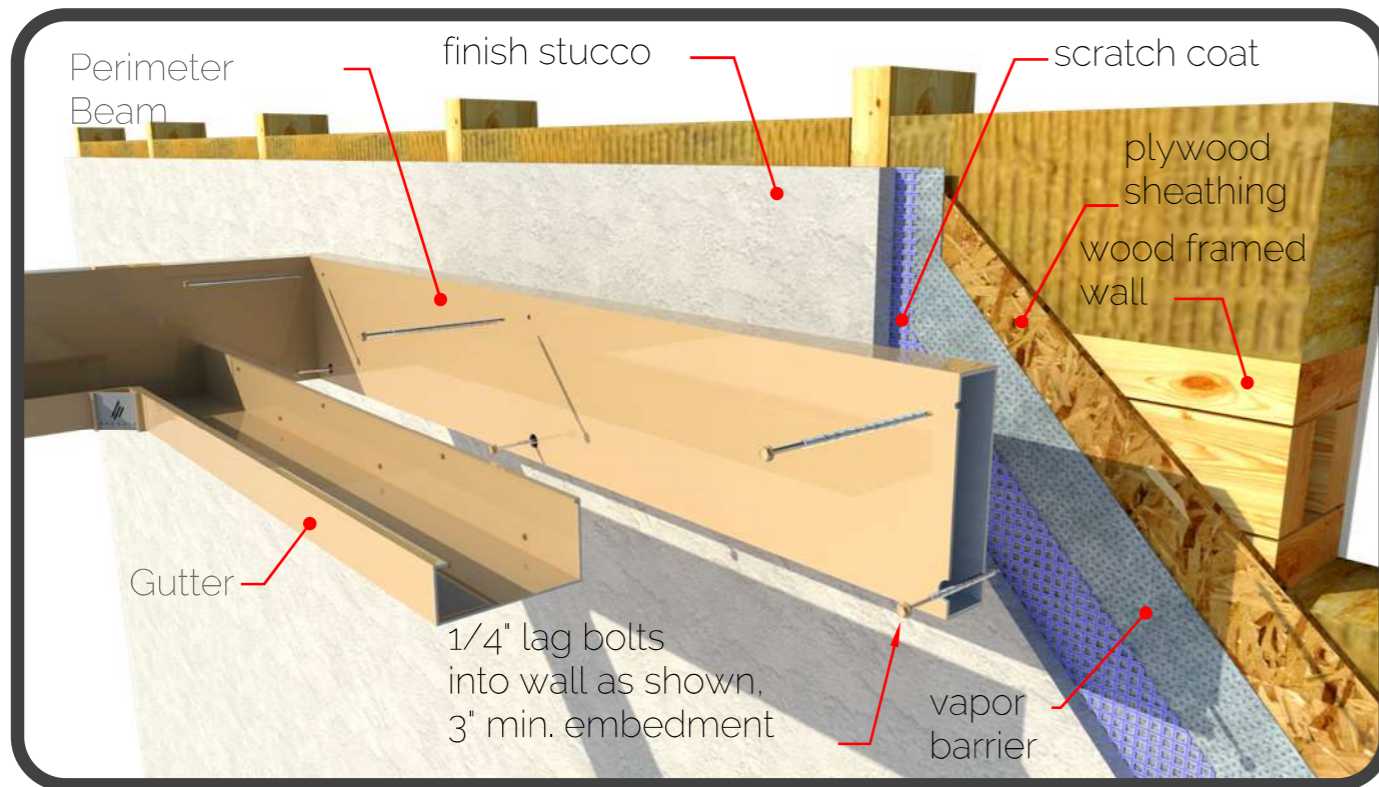
# HOW IT ALL FITS TOGETHER:

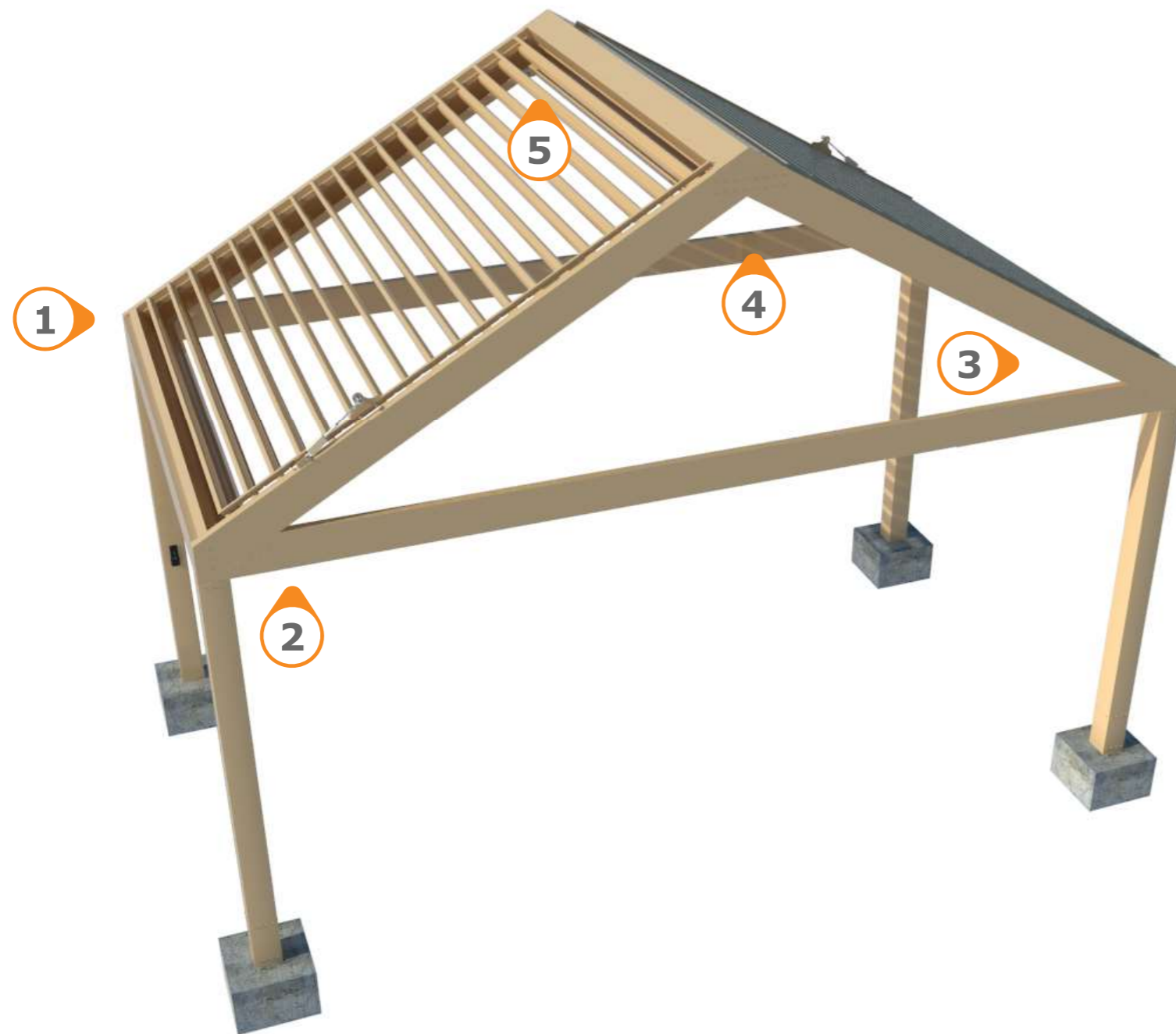
- Louvers to host structure "Angle Beam"



# HOW IT ALL FITS TOGETHER:

- Louvers to host structure "Stucco Wall"



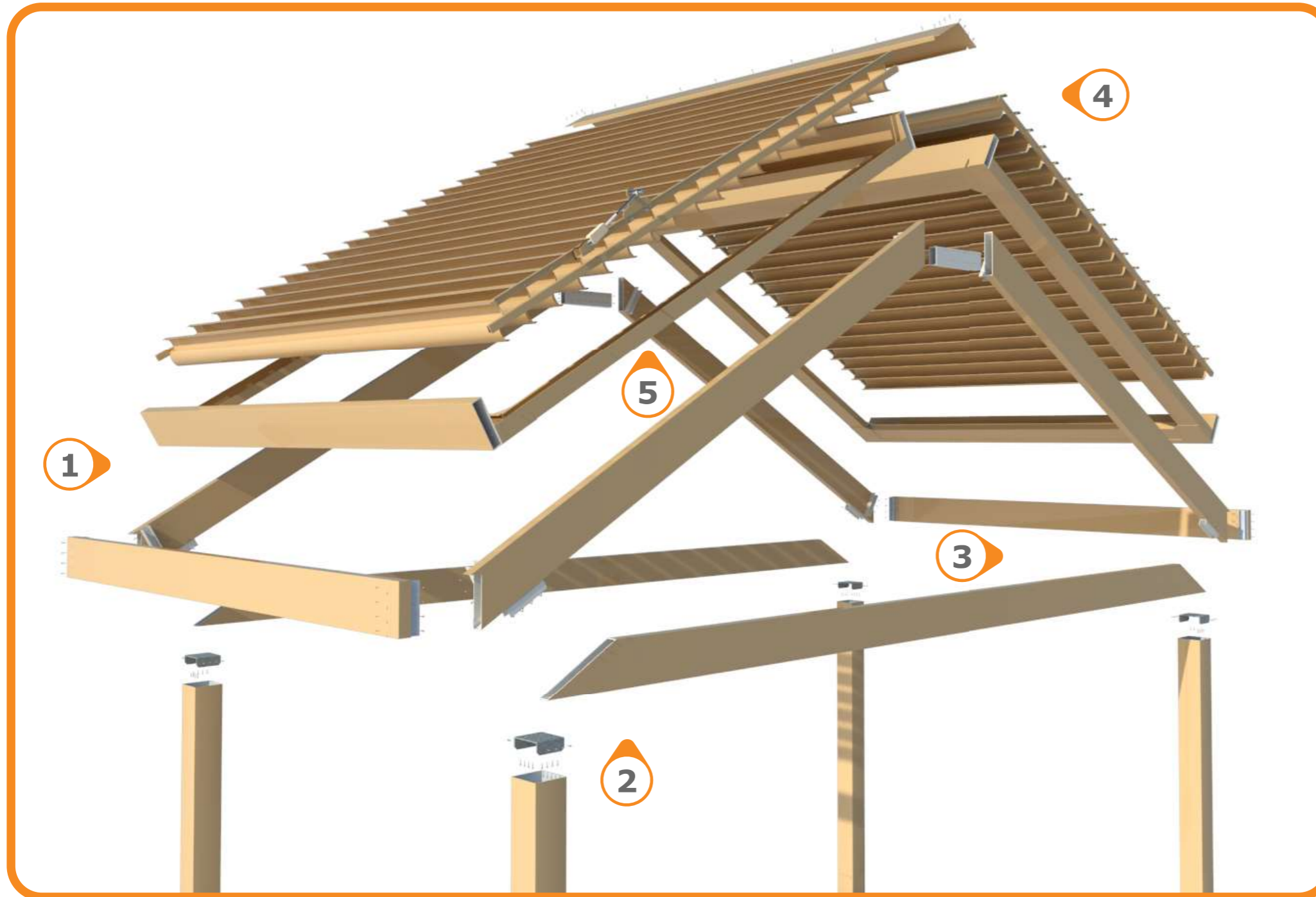


See details

1	Corner assembly (Top).....	34
2	Corner assembly (Outside) .....	35
3	Corner assembly (Inside) .....	35
4	Ridge connections (Outside).....	36
5	Ridge connections (Inside) .....	36

# HOW IT ALL FITS TOGETHER:

- Gable system /Disassembly/

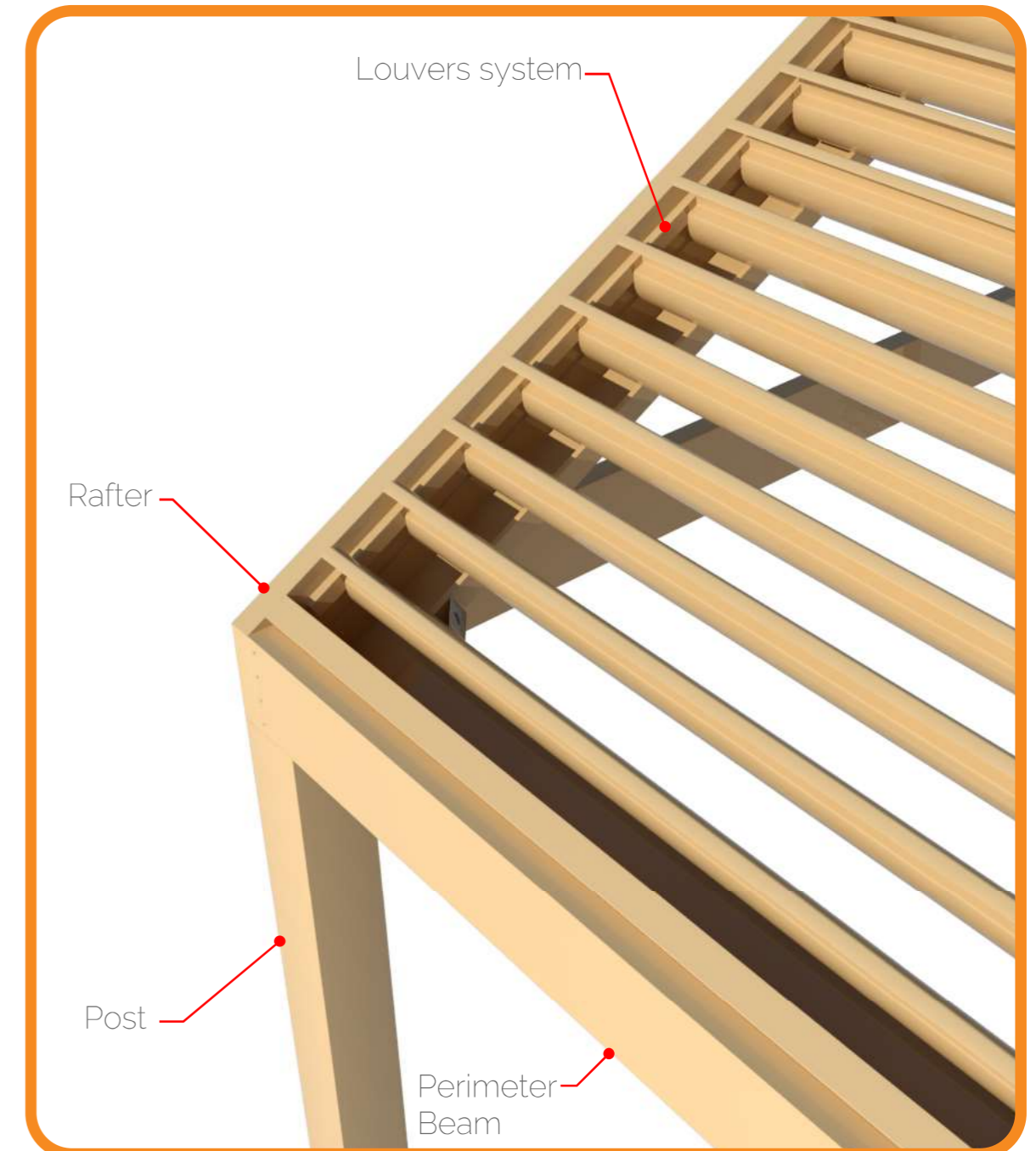
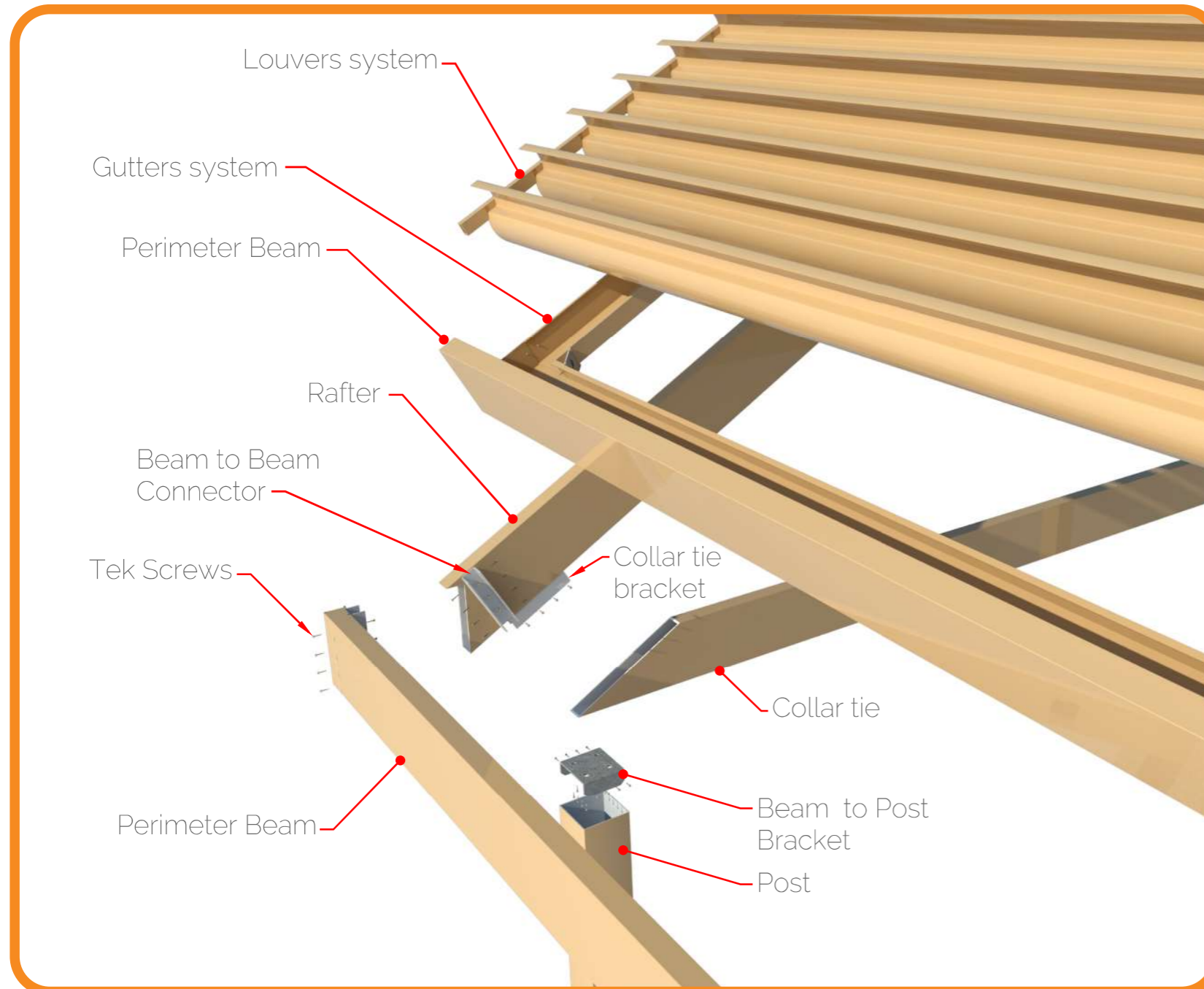


See details

1	Corner assembly (Top).....	34
2	Corner assembly (Outside) .....	35
3	Corner assembly (Inside) .....	35
4	Ridge connections (Outside).....	36
5	Ridge connections (Inside) .....	36

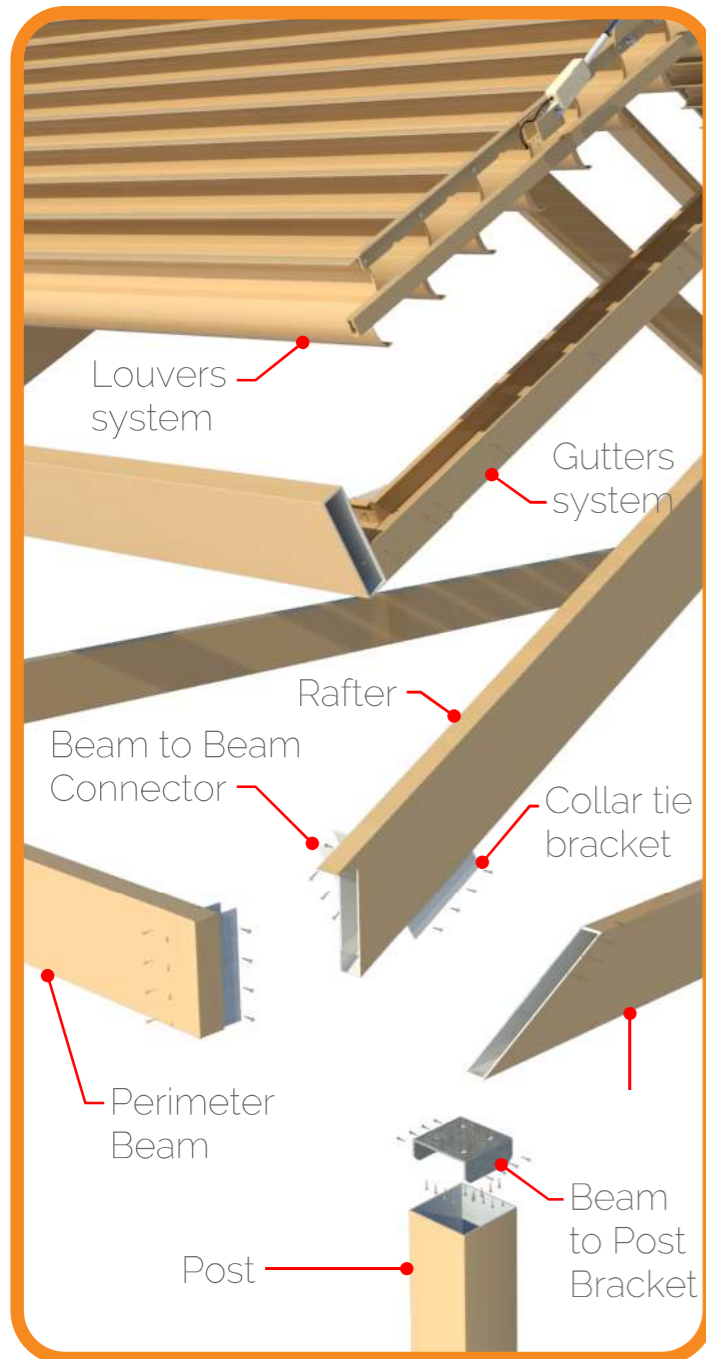
# HOW IT ALL FITS TOGETHER:

- Gable system / Corner assembly (Top)

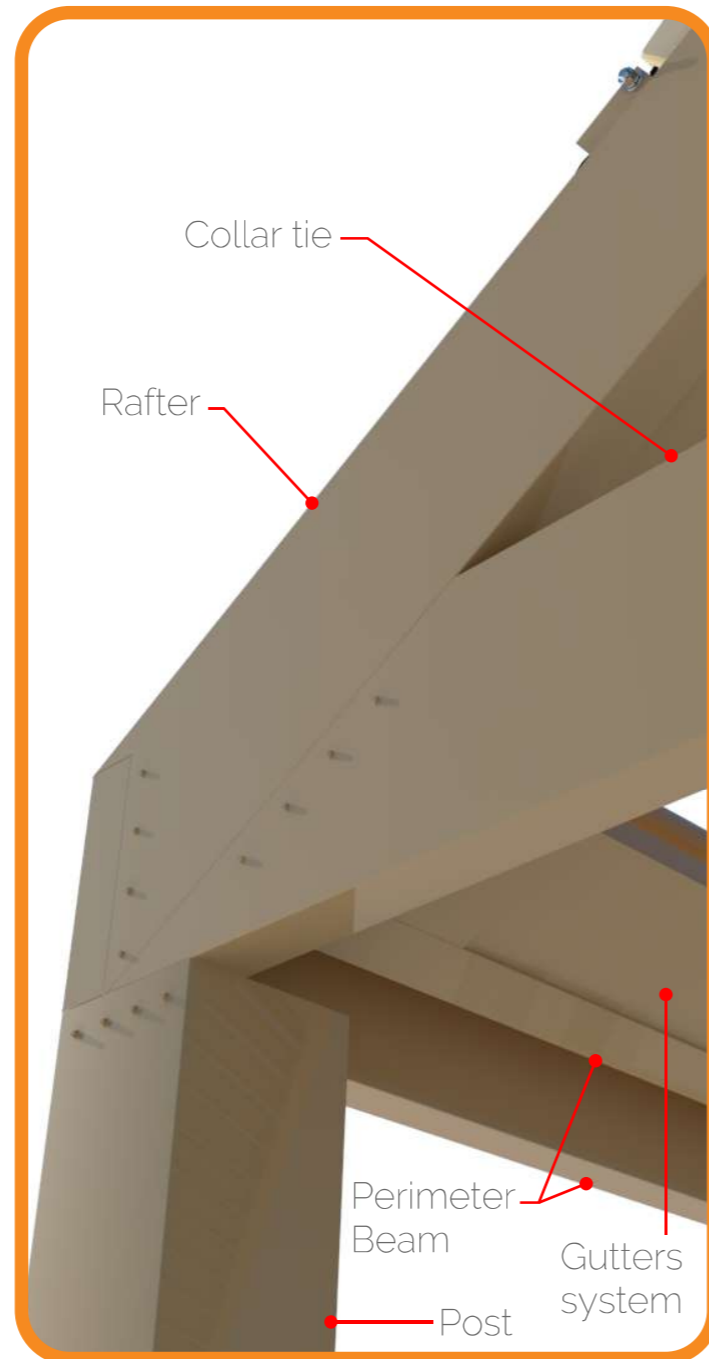


# HOW IT ALL FITS TOGETHER:

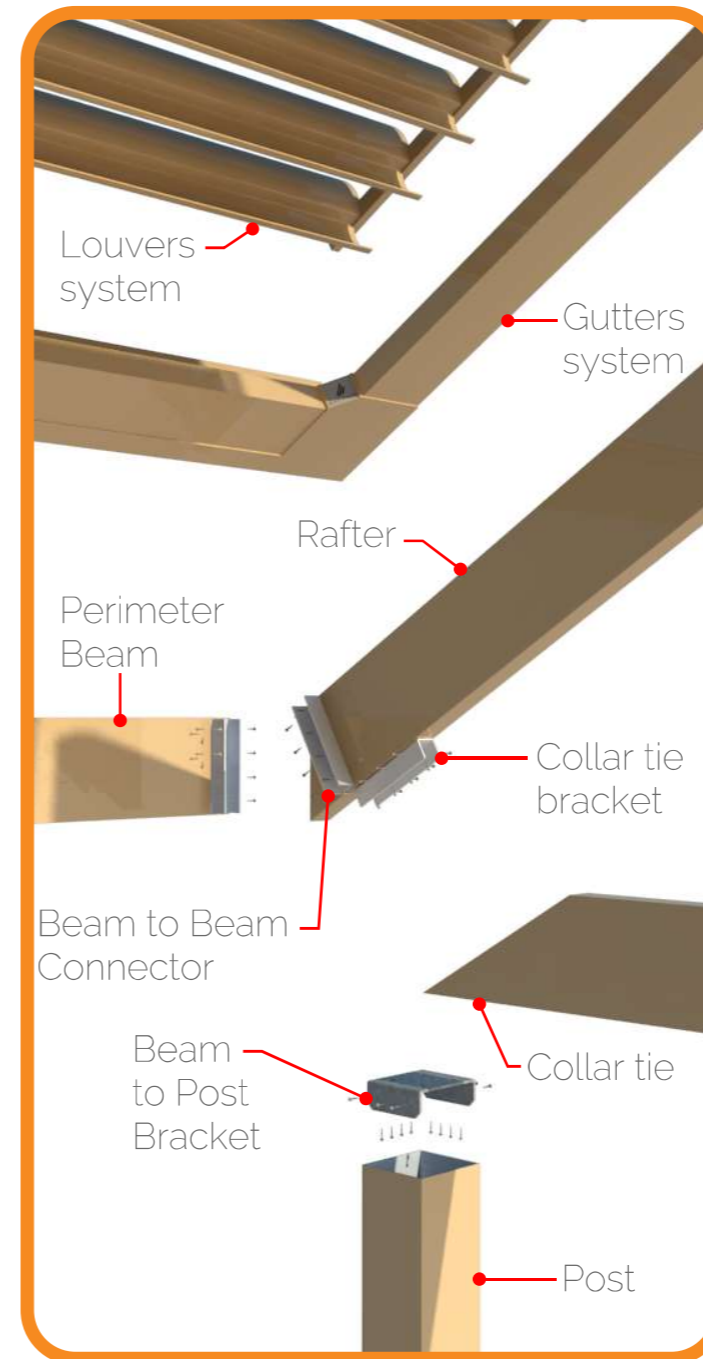
- Gable system /Corner assembly (Outside/Inside)



Outside



Outside



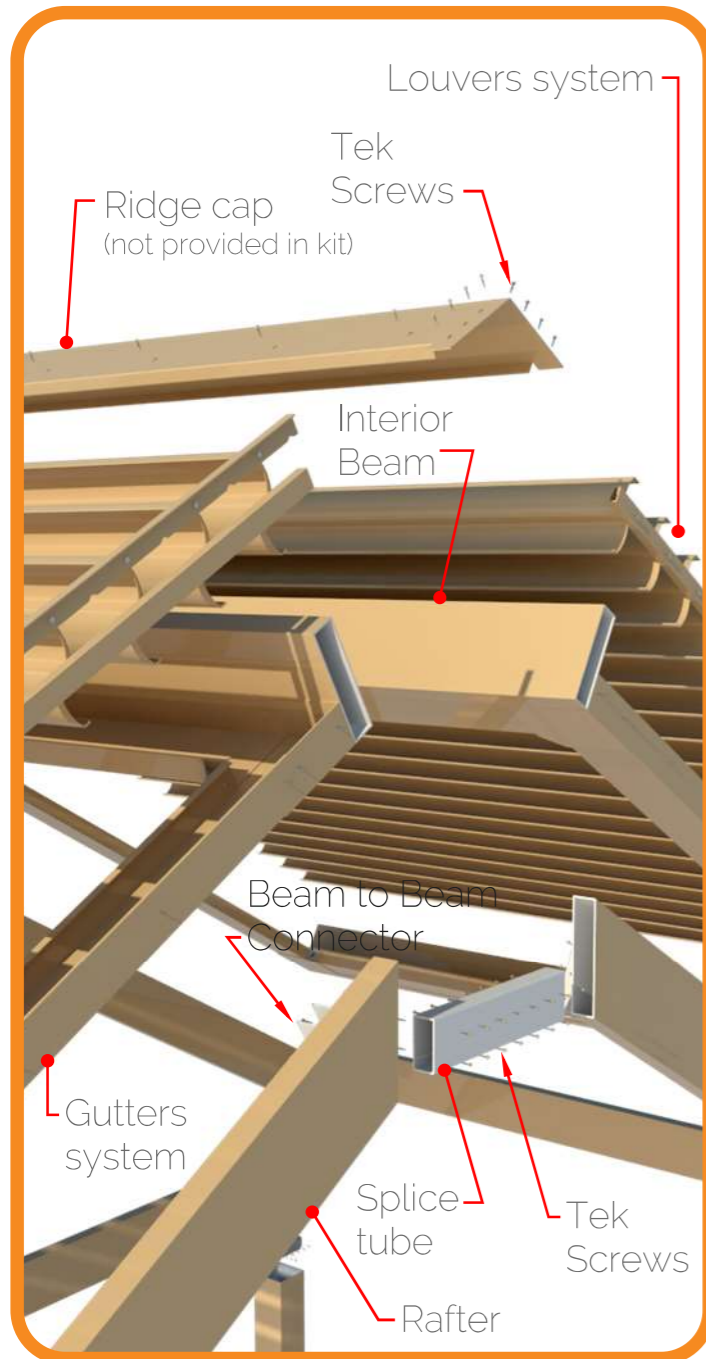
Inside



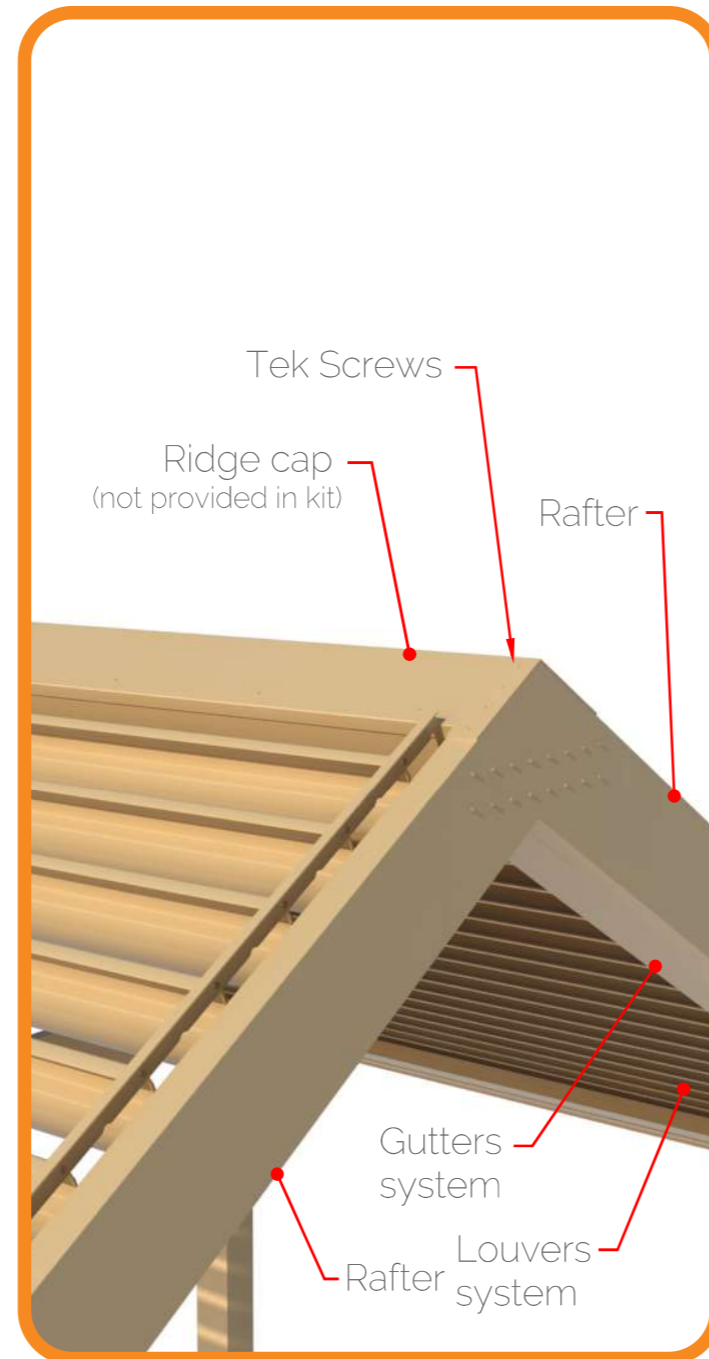
Inside

# HOW IT ALL FITS TOGETHER:

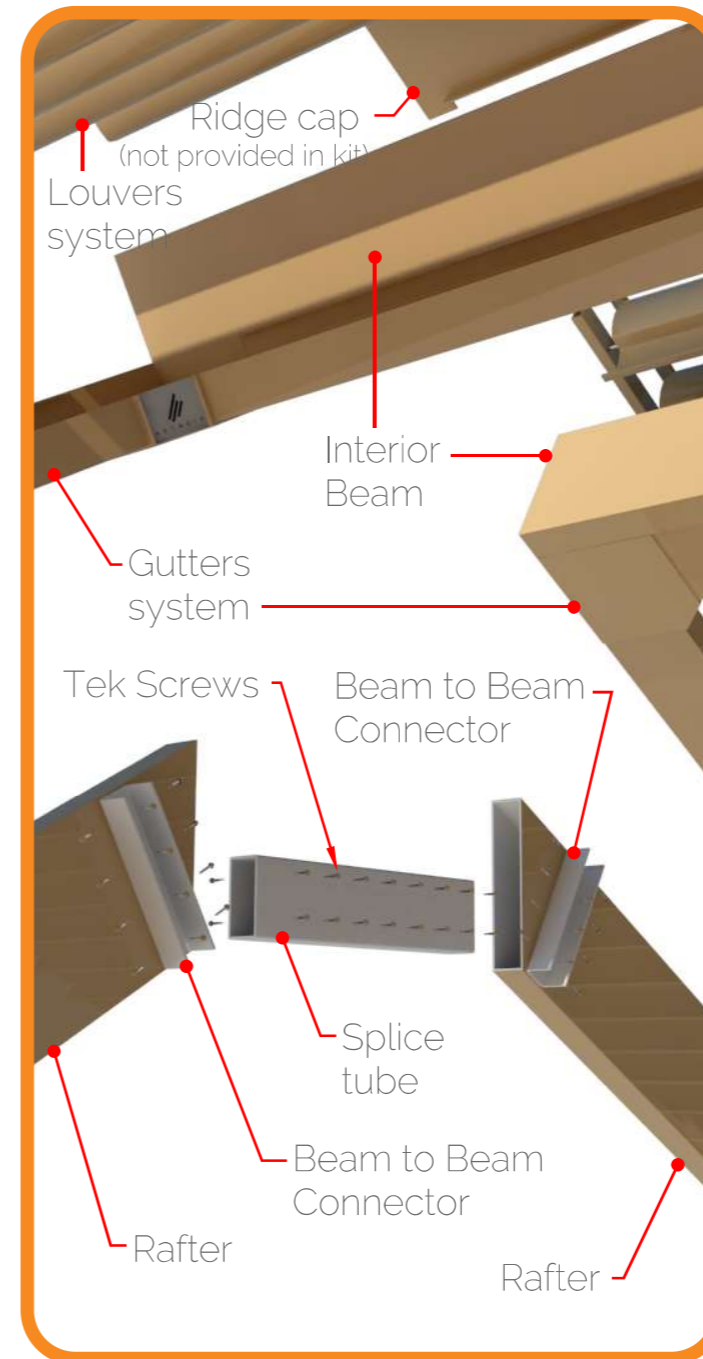
- Gable system /Ridge connections (Outside/Inside)



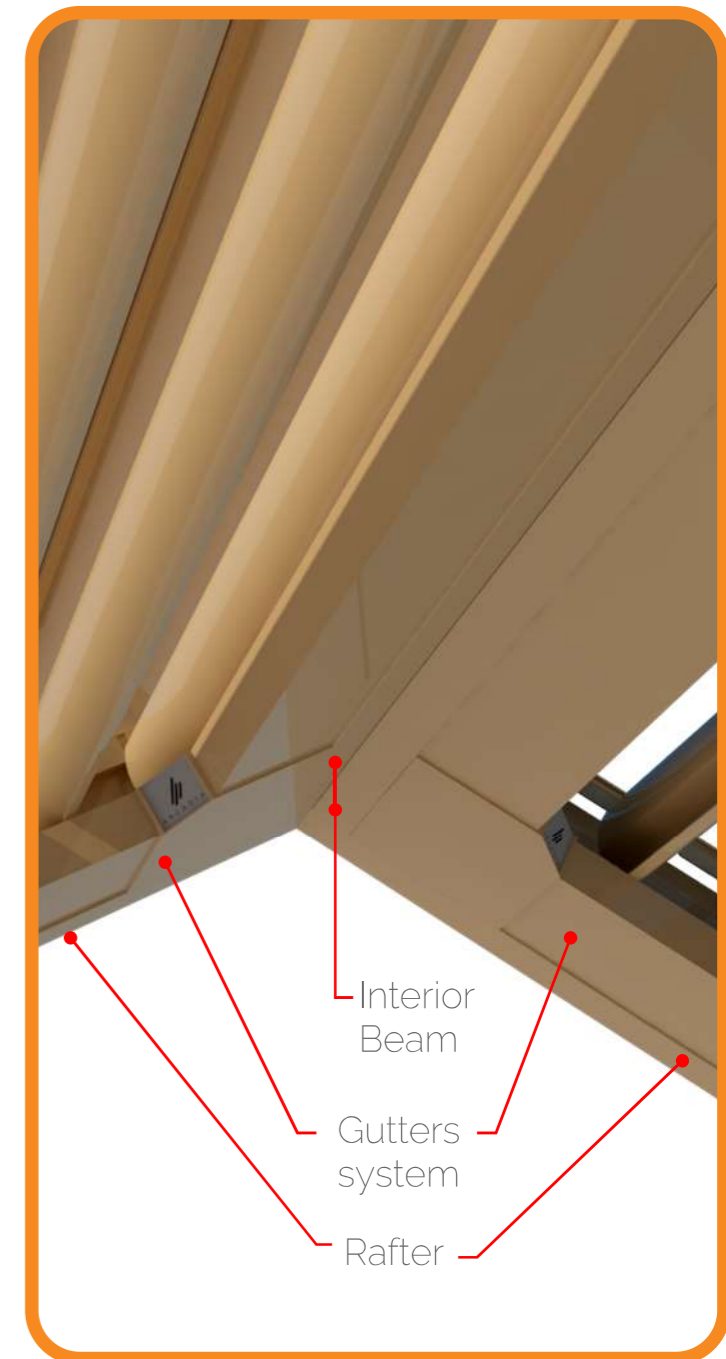
Outside



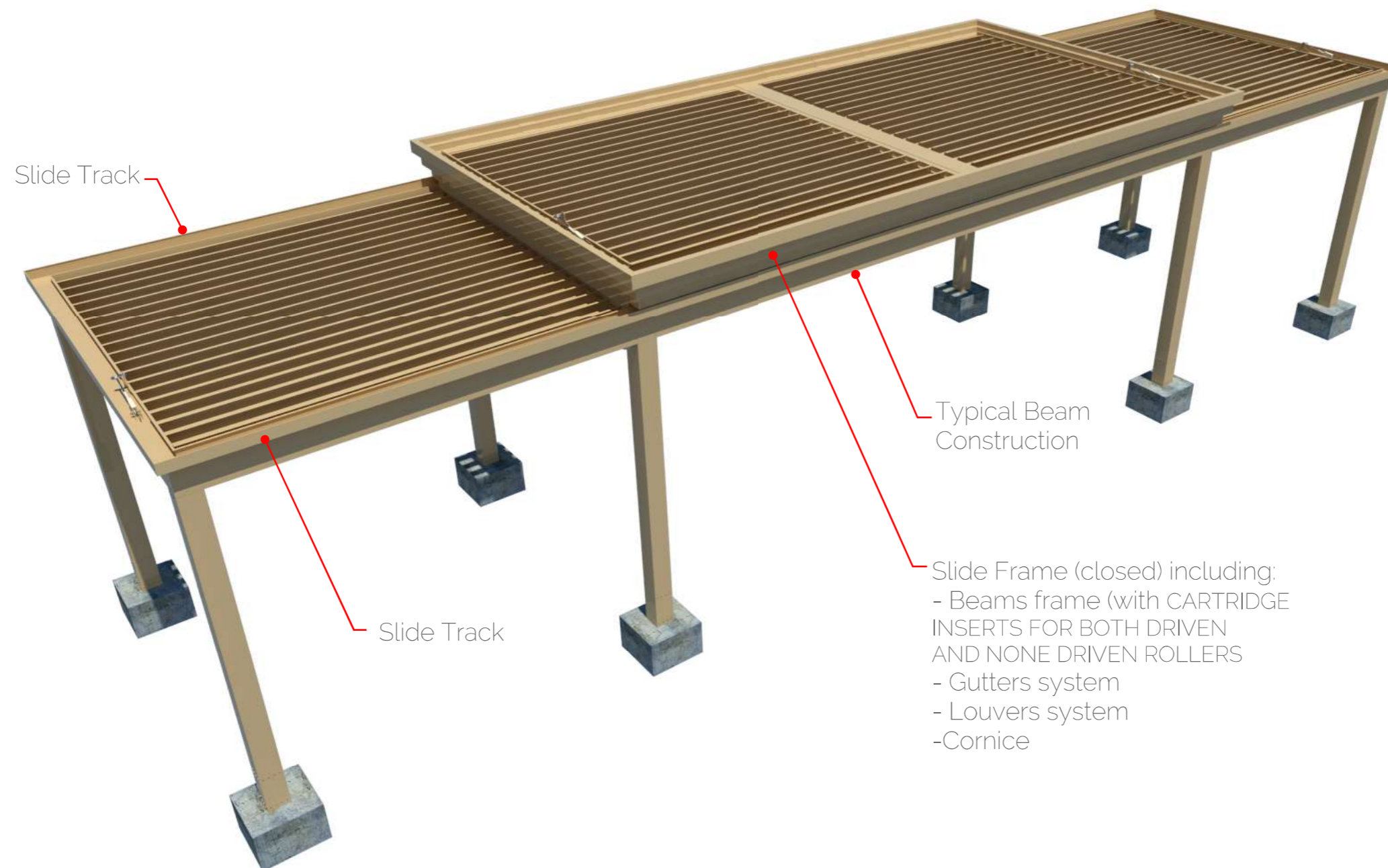
Outside

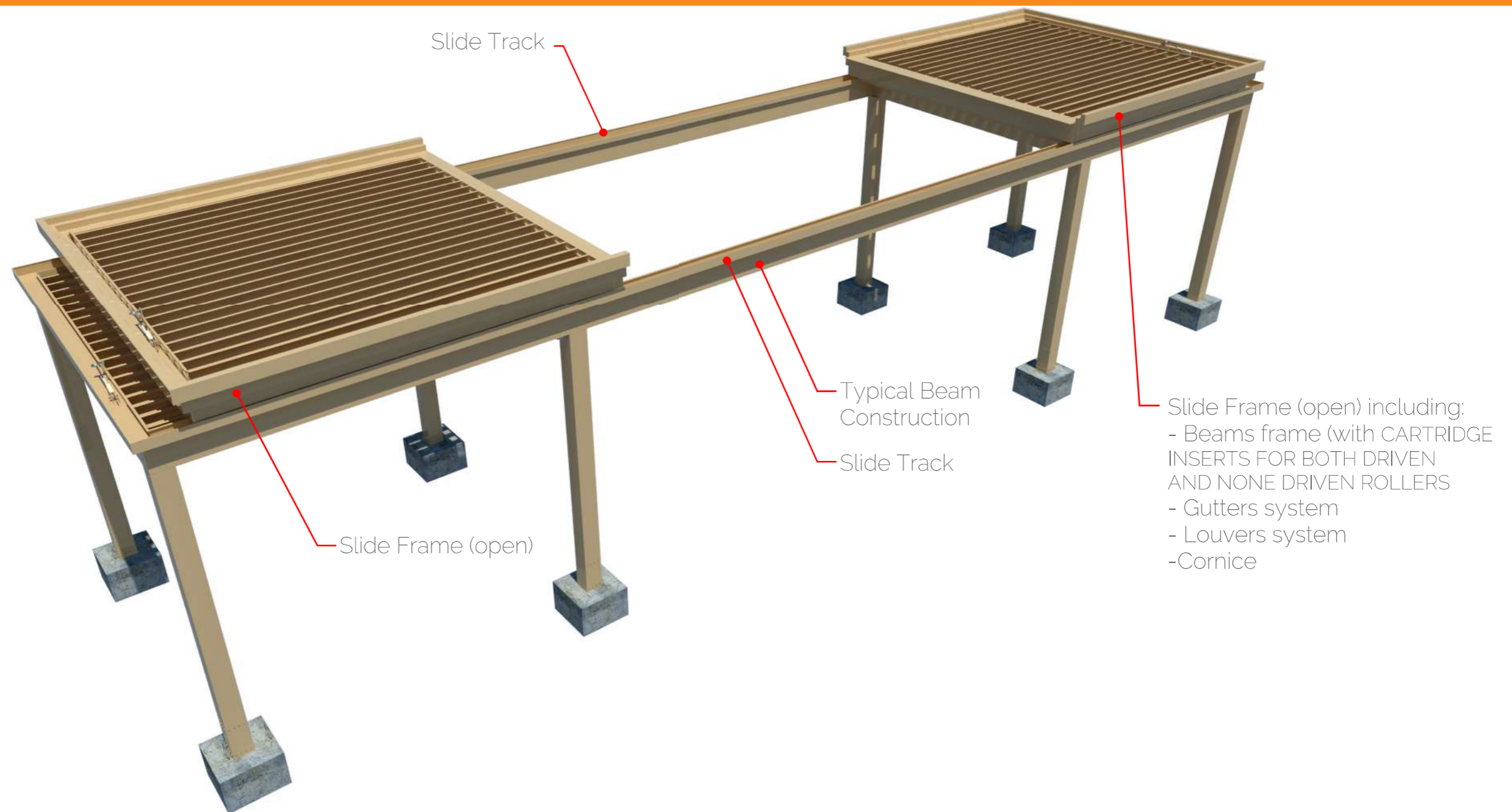


Inside



Inside





# HOW IT ALL FITS TOGETHER:

- Slide system

Slide Frame (closed) including:

- Beams frame (with CARTRIDGE INSERTS FOR BOTH DRIVEN AND NONE DRIVEN ROLLERS)
- Gutters system
- Louvers system
- Cornice

Slide Track



Slide Frame (open) including:

- Beams frame (with CARTRIDGE INSERTS FOR BOTH DRIVEN AND NONE DRIVEN ROLLERS)
- Gutters system
- Louvers system
- Cornice

Slide Track

Slide Frame (open)





FOR NOTES AND SKETCHES

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