



 JURALCO

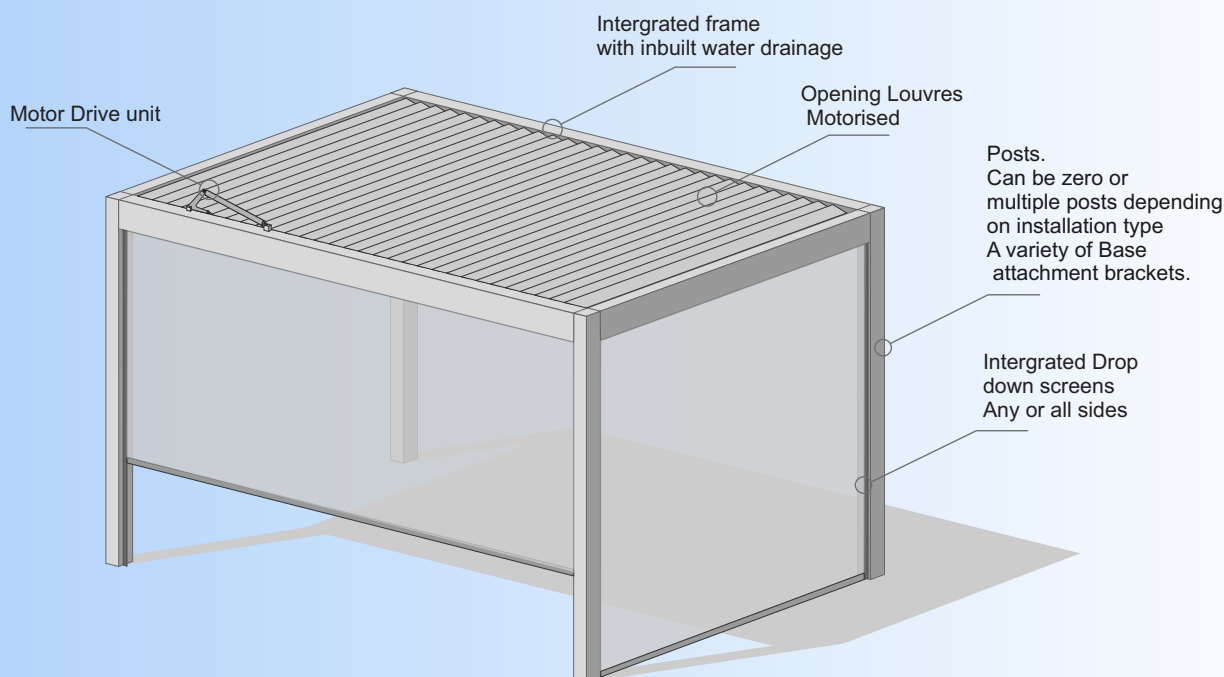
JURALCO SUNPIVOT® OUTDOOR LIVING SYSTEMS

ISSUE 3-24 v1

Juralco Aluminium Building Products Ltd designs and distributes specialist aluminium joinery systems through a national network of franchised fabricators and agents. For more than 25 years we have been at the forefront of specialist aluminium designs suitable for New Zealand joinery and building methods. Our comprehensive product range includes security and insect screens, balustrades and gates, shutters and awnings, shower screens, wardrobe doors and organisers and louvre systems

The SunPivot® Outdoor Living System is ideal for extra outdoor shelter for you home. The high quality extruded aluminium structure and louvres can be custom powder coated in a colour of your choice. The motorised ceiling louvres when closed form a weatherproof seal. The structure can be added to with drop down screens, or sliding Glass doors on any sides.

SunPivot® Outdoor Living System - Features (Freestanding Series, 4 Post shown)



The SunPivot® Outdoor Living System is built from the following sub systems...

- Louvres. One type only. Pivot pin at one end; designed to provide a more weatherproof seal when closed. Motorised only
- Posts. These are a two part post, with inner stainless steel angles top and bottom. Always situated at the corners.
At ground level they can be connected to foundations in a variety of ways including a hidden base plate.
A hidden drainage down pipe per post is possible.
- Beams. The Beams contain all the pivots for Louvre rotation and the Motor actuator
All these beams are of two types, depending on Wall attachments or corner Posts
All beams have a hidden drainage channel to catch rain.
- Drop down Screens. Screens from the SolarZip™ range can be completely hidden inside the Frames thus making this a very useable extra all weather space.
- Sliding Glass Doors. From the Glaslide range of 10, 12 or 15mm Glass panels. Refer to the 'Glaslide Sliding Glass Doors' Manual
- For larger installations a Multi bay setout is possible.
- LED lighting can be incorporated in the Top Frame.

The Juralco SunPivot® Outdoor Living System is wholly manufactured by Juralco and supplied as a kitset.
All to be assembled on site.

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| 9 | Flow Chart | Shows a Decision Flow chart |
| 10 | Lengths and Louvres | Shows SunPivot Overall Lengths and No of Louvres for different End Beam combinations |
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SunPivot® structure with integrated 10mm, 12mm or 15mm Glaslide™ Sliding Glass Doors on any or all available sides.
(Refer to the 'Glaslide™ Sliding Glass Doors' Manual for more details)

**Juralco Aluminium Building Products Ltd (JABP)
Specifications for Juralco SunPivot® Outdoor Living System**

Juralco Aluminium Building Products Ltd (JABP) Specifications for Juralco SunPivot® Outdoor Living System

1. Scope

- This specification details the documents the SunPivot® Outdoor Living System refers to in relation to the New Zealand Building Code, the manufacturer's documents, products used in the System, requirements in relation to fixing and surface finishes.

2. Manufacturer's Documents

- The Juralco SunPivot® Outdoor Living System manual details all extrusions and components used for the fabrication and installation/fixing of the system.
- Manuals are available from Juralco Aluminium Building Products Ltd
48 Bruce McLaren Rd, Henderson, Auckland
Phone 09 478 8018 Fax 09 478 7883 Email specify@juralco.co.nz

3. Products

- Only extrusions, components and hardware supplied by or specified by JABP may be used in the SunPivot® Outdoor Living System
- Stainless Steel components, hardware, fixings – all components to 316 grade or 304.

4. Surface Finishing

- Juralco Aluminium Building Products Ltd is a Dulux Registered Applicator site, registration number 2101. JABP uses only Dulux branded powder coating materials
- Dulux Duralloy® powder coating systems are suitable for properties greater than 100m from high tide level AAMA 2603 performance. Residential buildings, 3 levels max. Warranty 10 yrs
- Dulux Duralloy Plus® powder coating systems are suitable for properties greater than 10m from high tide level. AAMA 2603 performance. Residential and Light commercial buildings, 3 levels max Warranty 15 yrs
- Dulux Duratec® powder coating systems are suitable for properties greater than 10m from high tide level AAMA2603 and 2604 performance. All Residential and Commercial buildings. Warranty 25 yrs

5. Installation and Fixing

- The Juralco SunPivot® Outdoor Living System must only be installed in accordance with the Juralco SunPivot® Outdoor Living System manual
- The SunPivot® system Structure and Footings are based on NZS 3604:2011 and NZS 1170 Appendix D, Wind Zone calculations.

Important information - Powder Coating systems.

Powdercoat Systems The new standard Dulux powder coating system used by Juralco is Duralloy Plus®. Also Duralloy® and Duratec®. All as per specs above. Juralco Powder coated prices are for Duralloy Plus® and Duralloy® (same pricing). Duratec® prices on application.

Attachment to structures A PVC Tape or similar material spacer must be used to separate powder coated aluminium items from all concrete and steel structures. Failure to do so can lead to the chemicals in the structure affecting the powder coating, leading to corrosion.

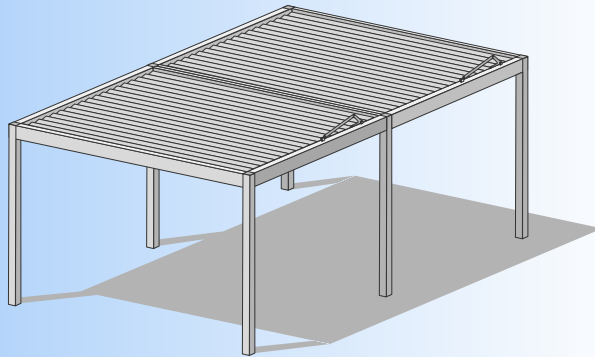
Swimming Pools The chlorinated water in swimming pools can cause the deterioration of powder coated surfaces, leading to corrosion of the underlying surface. It is recommended that Powder coated surfaces be 1200mm min from a pool.

Care The Dulux powder coating warranty period is conditional upon the surface being maintained in accordance with the Dulux 'Care and Maintenance Instructions'. Download from Dulux or refer to the back page of this manual.

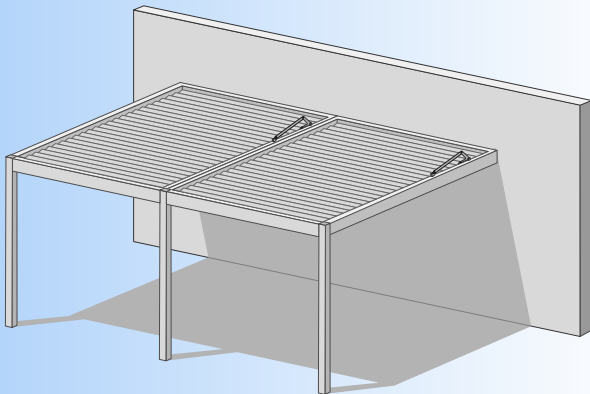
Juralco SunPivot® Outdoor Living System

**Note : These are some of our Standard Layouts - Many other configurations are possible.
See Following pages**

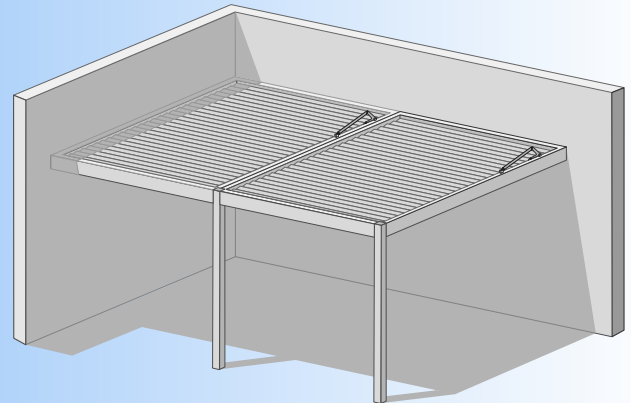
**Freestanding - Available as Single or MultiBay
SolarZip Dropscreens optional
Wireless Controls**



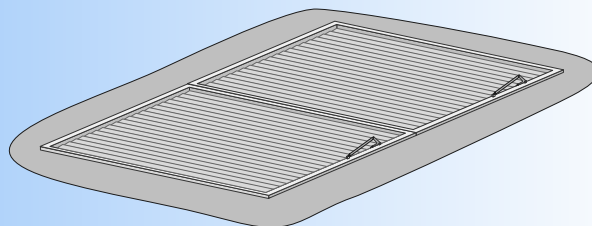
**1 x Wall - Available as Single or MultiBay
SolarZip Dropscreens optional
Wireless Controls**




**2 x Wall - Available as Single or MultiBay
SolarZip Dropscreens optional
Wireless Controls**



**Integrated - Available as Single or MultiBay
Wireless Controls**

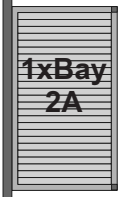


Note : These are our Standard Layouts - Many other configurations are possible. Please enquire




**1xBay
1**

1 x Bay, - 4 x Posts
Freestanding Series

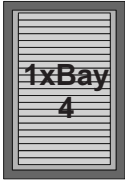


**1xBay
2A**

1 x Bay, 2 x Posts
One Wall Series




**1xBay
2B**




**1xBay
4**

1 x Bay. No Posts
Integrated Series

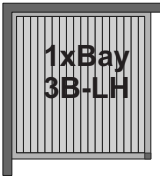


**1xBay
3A-LH**

1 x Bay, 1 x Post
Two Wall Series

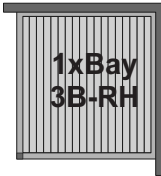


**1xBay
3A-RH**

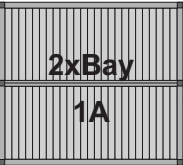


**1xBay
3B-LH**

1 x Bay, 1 x Post
Two Wall Series

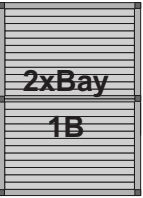


**1xBay
3B-RH**

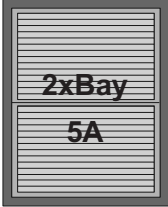


**2xBay
1A**

2 x Bay, 6 x Posts
Freestanding Series

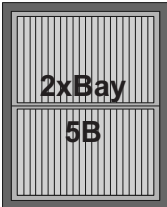


**2xBay
1B**

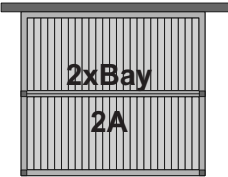


**2xBay
5A**

2 x Bay
Integrated Series

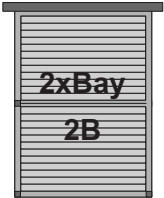


**2xBay
5B**




**2xBay
2A**

2 x Bay,
4 x Posts
One Wall Series

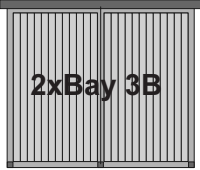


**2xBay
2B**

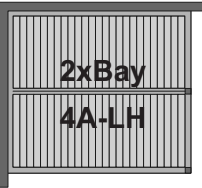


2xBay 3A

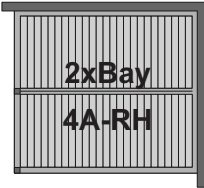
2 x Bay,
3 x Posts
One Wall Series



2xBay 3B




**2xBay
4A-LH**

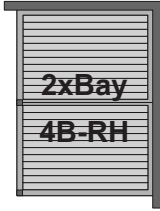


**2xBay
4A-RH**

2 x Bay, 2 Posts
Two Wall Series

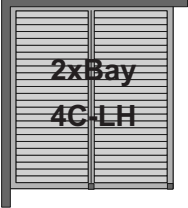


**2xBay
4B-LH**

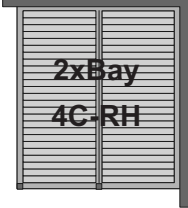


**2xBay
4B-RH**

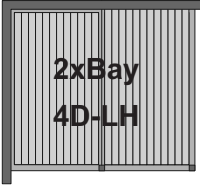
2 x Bay, 2 Posts
Two Wall Series



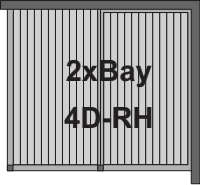
**2xBay
4C-LH**



**2xBay
4C-RH**



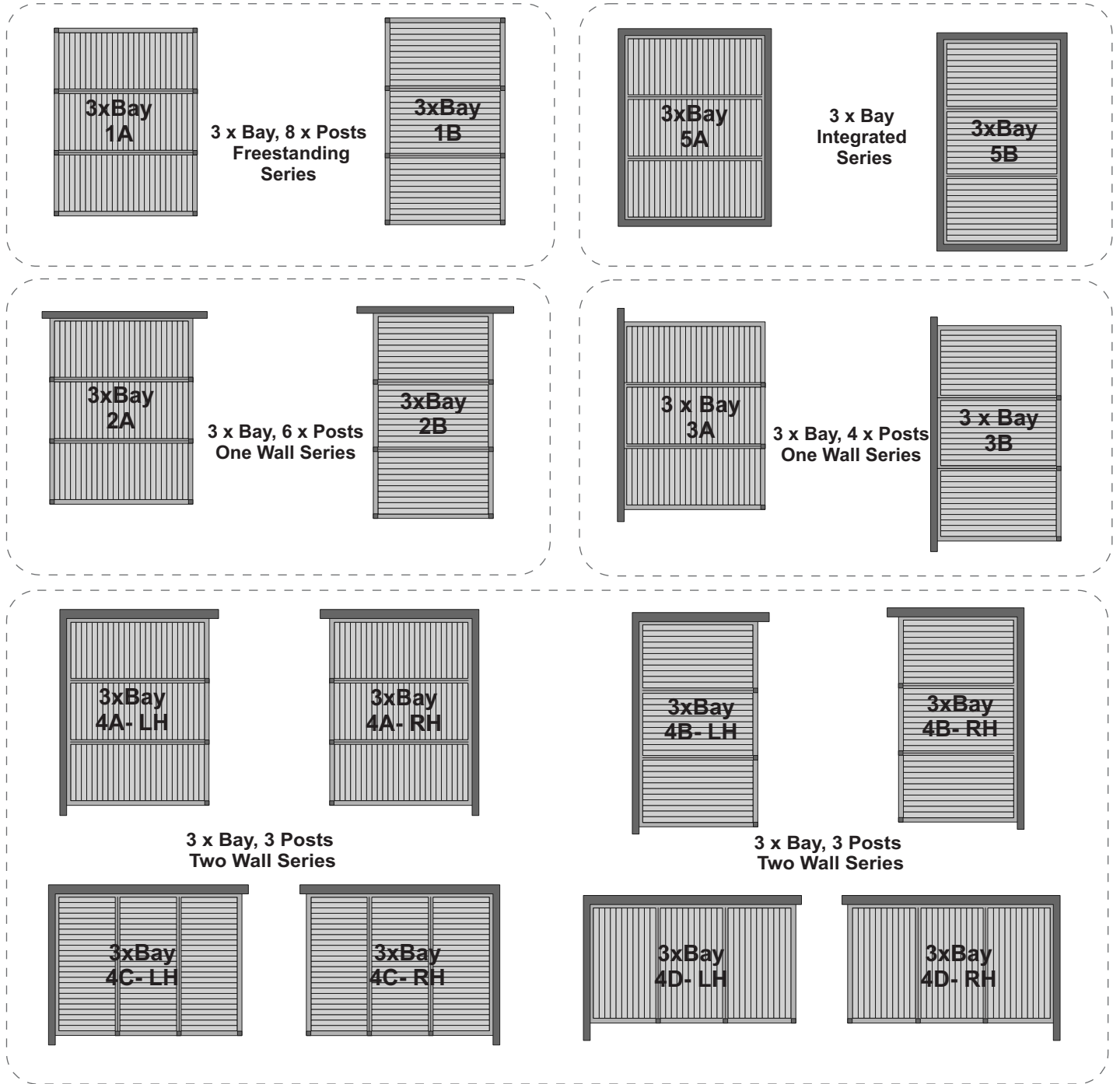
**2xBay
4D-LH**



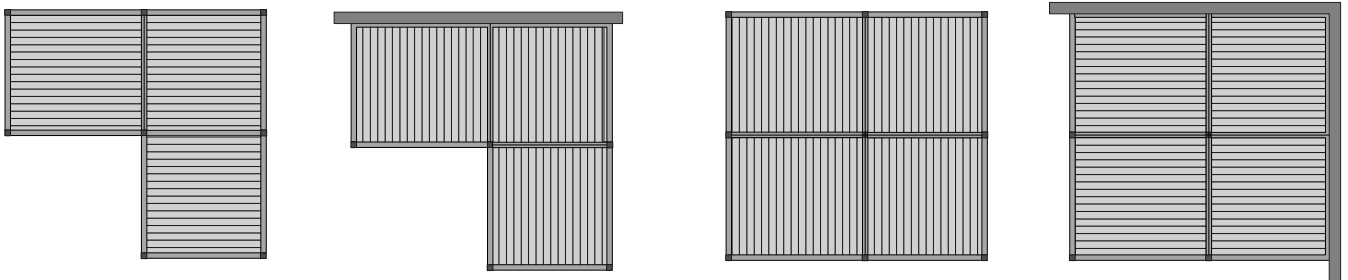
**2xBay
4D-RH**

Juralco SunPivot® Outdoor Living System

Note : These are our Standard Layouts - Many other configurations are possible. Please enquire



Some Possible Non Standard Layouts - Please enquire



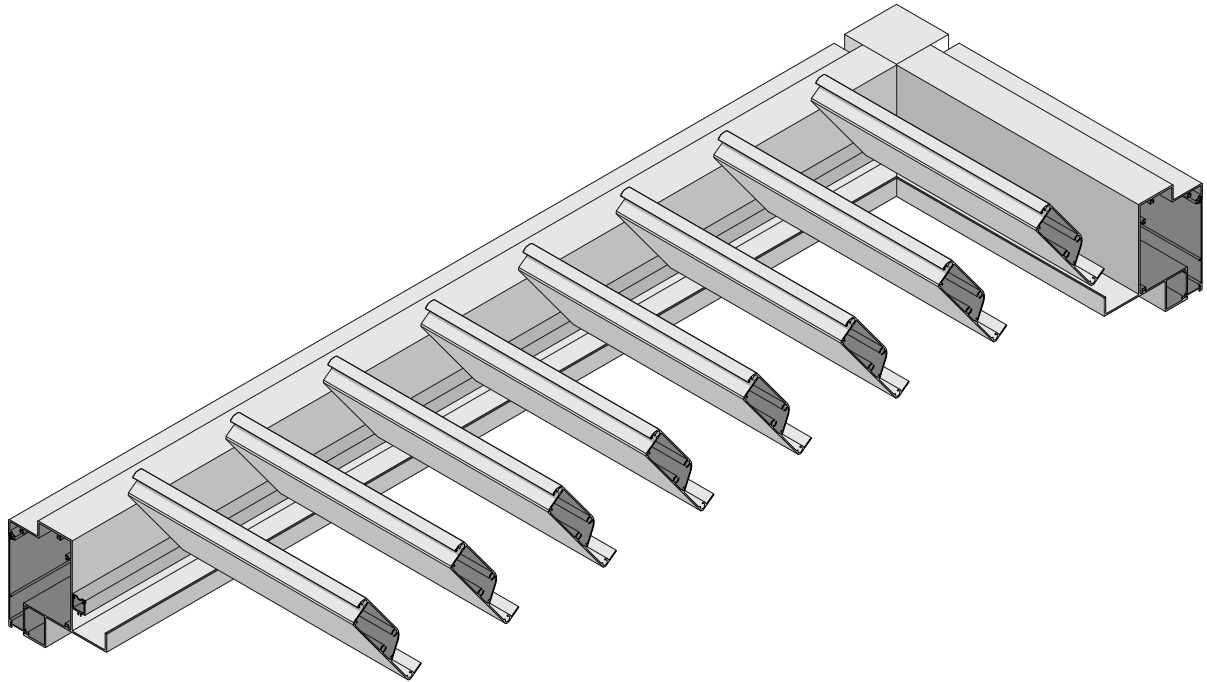
3xBay - Freestanding

3xBay - One Wall

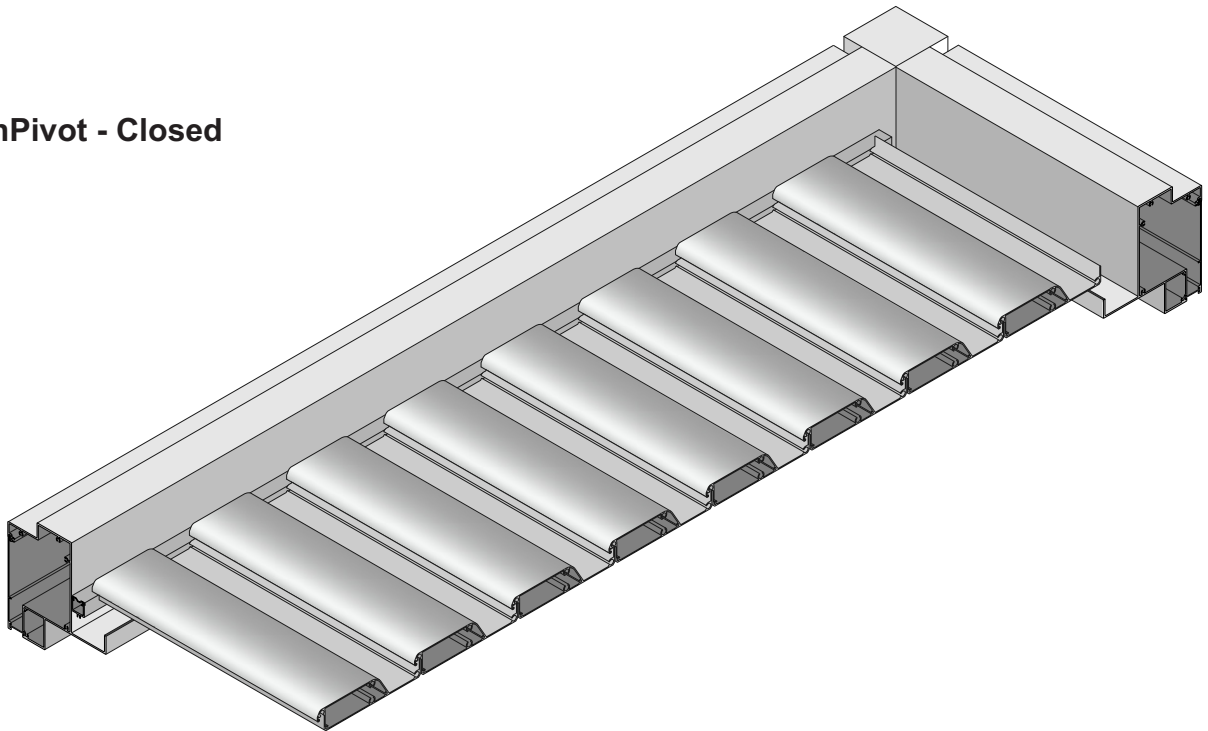
4xBay - Freestanding

4xBay - Two Wall

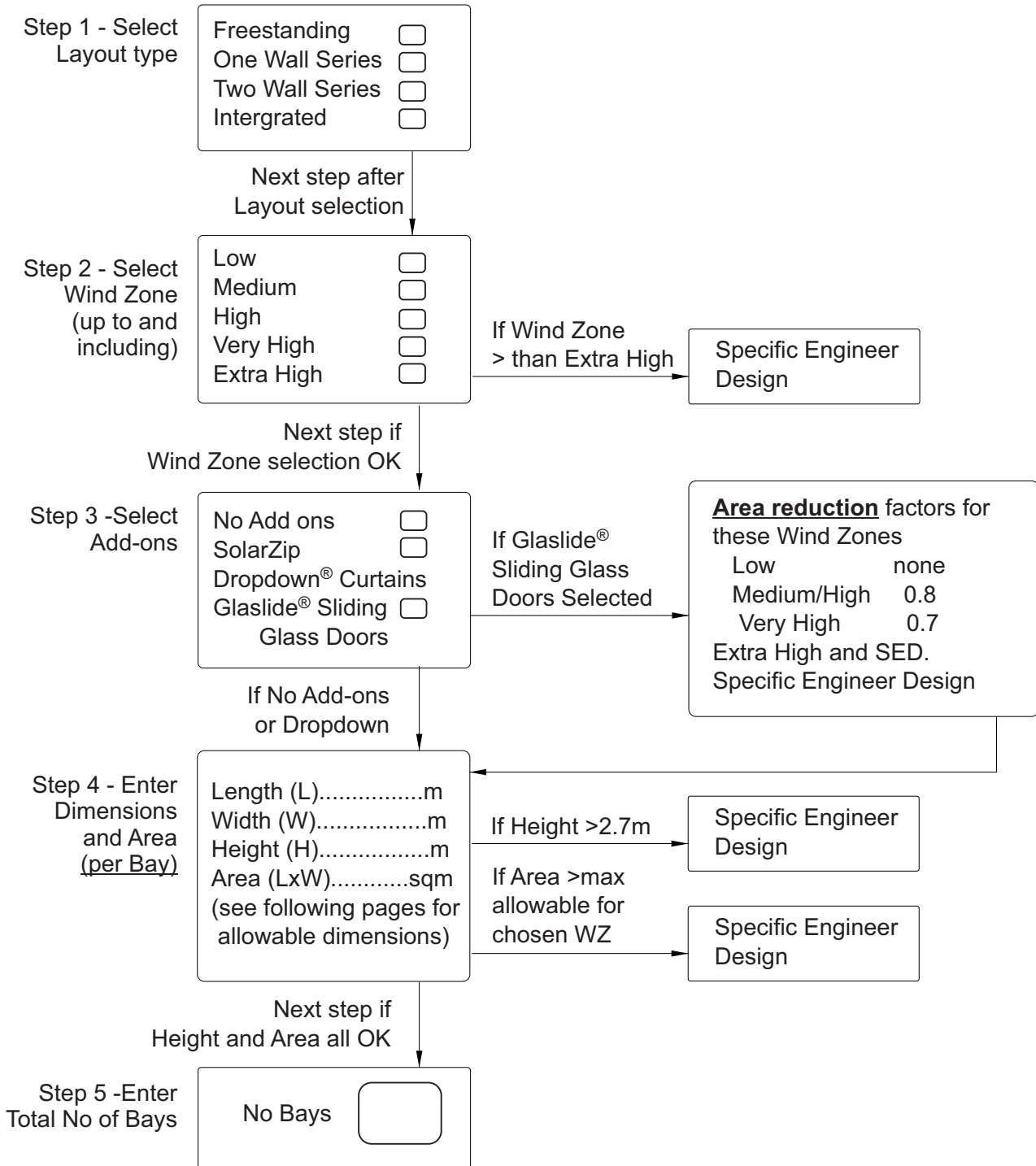
SunPivot - Open



SunPivot - Closed



Juralco SunPivot® Outdoor Living System - Flow Chart



Notes:

- 1: The flow chart can be used to determine whether or not the design is acceptable under our Generic PS1. Where the design does not meet with the criteria laid out in the manual a Specific Engineered design must be used
- 2 : Only connections described in the manual can be used.
- 3 : No substitute for products included in the manual can be used

**SunPivot,
using JOR/818N louvres**

SunPivot system Whole Louvres calculations.
Overall Lengths, Beam to Beam

| 801 to 801 | 801 to 807 | 807 to 807 | No louvres |
|------------|------------|------------|------------|
| OL | OL | OL | |
| 1270 | 1195 | 1120 | 5 |
| 1450 | 1375 | 1300 | 6 |
| 1630 | 1555 | 1480 | 7 |
| 1810 | 1735 | 1660 | 8 |
| 1990 | 1915 | 1840 | 9 |
| 2170 | 2095 | 2020 | 10 |
| 2350 | 2275 | 2200 | 11 |
| 2530 | 2455 | 2380 | 12 |
| 2710 | 2635 | 2560 | 13 |
| 2890 | 2815 | 2740 | 14 |
| 3070 | 2995 | 2920 | 15 |
| 3250 | 3175 | 3100 | 16 |
| 3430 | 3355 | 3280 | 17 |
| 3610 | 3535 | 3460 | 18 |
| 3790 | 3715 | 3640 | 19 |
| 3970 | 3895 | 3820 | 20 |
| 4150 | 4075 | 4000 | 21 |
| 4330 | 4255 | 4180 | 22 |
| 4510 | 4435 | 4360 | 23 |
| 4690 | 4615 | 4540 | 24 |
| 4870 | 4795 | 4720 | 25 |
| 5050 | 4975 | 4900 | 26 |
| 5230 | 5155 | 5080 | 27 |
| 5410 | 5335 | 5260 | 28 |
| 5590 | 5515 | 5440 | 29 |
| 5770 | 5695 | 5620 | 30 |
| 5950 | 5875 | 5800 | 31 |

For the SunPivot any OL length up to the max is permissible.

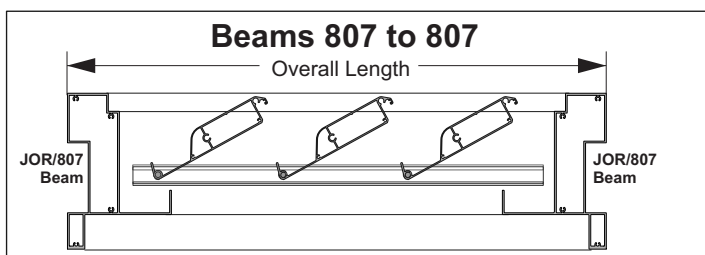
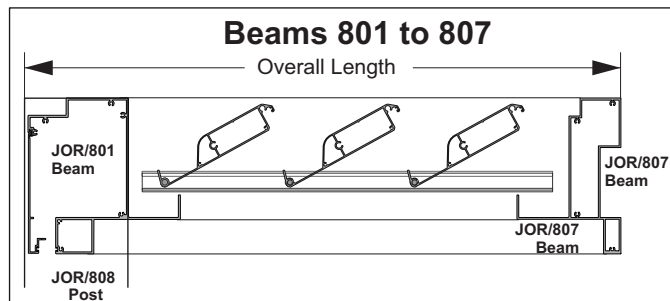
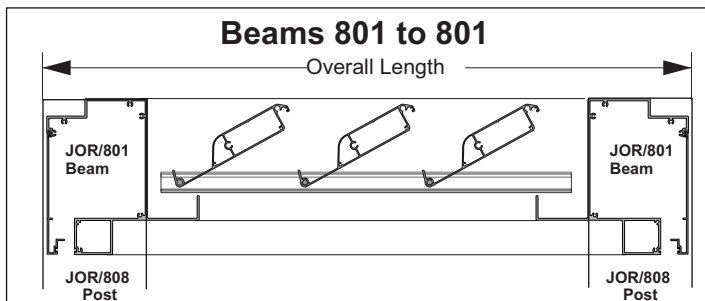
Possible Overall Lengths for Different Beam combinations to allow all Louvres to tilt.
OL allowable Float -20mm to +20mm

ie say for 801 to 807, an OL of 3500mm is wanted
This is not possible for all louvres to Tilt
- All tilting, nearest possibility is $3535 - 20 = 3515\text{mm}$
- All tilting + 1 x stationary part louvre 3500mm OK

(801Perimeter Beam to 801 Perimeter Beam,
801Perimeter Beam to 807 Narrow Beam,
or 807 Narrow Beam to 807 Narrow Beam)

Lengths outside these Min/Max ranges will employ 1x stationary part louvre

| Max Widths for Beam Combinations | Max Width |
|----------------------------------|-----------|
| 801 Beam to 801 Beam | 4200 |
| 801 Beam to 807 Beam | 4125 |
| 807 Beam to 807 Beam | 4050 |



Notes :

- 1 - All Overall Dimensions are to Post outsides (ie each Post projects out 5mm past beam)
- 2 - Unlike the SunFold the SunPivot can use Part louvres. See above for possible Overall Lengths.

Point Loads - Can be installed to Walls or Soffits only if properly strengthened at attach points

Distributed Loads - Can be installed to normal Walls or to under Soffits

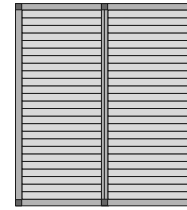
Attachment Types

Point Loads + = Strengthened Wall or Soffit attachment only

Normal Wall or Soffit = Attach points over whole Width

Freestanding Series (2 x Bay example)

Total Uplift loads, according to the appropriate Wind Zone are resisted by the Foundations at each Post.
Post foundations can be Concrete masses in soil, a suitable continuous Concrete pad or connections to a Timber Deck.

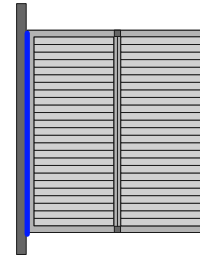


2xBay 1A

Wall Series. Louvres Perpendicular to Wall (2 x Bay example)

Total Uplift loads, according to the appropriate Wind Zone are resisted by the Foundations/attachments. Post foundations can be Concrete masses in soil, a suitable continuous Concrete pad or connections to a Timber Deck.
At the Wall/Soffit the load is equally distributed over the whole length.
Multiple bracket attachments for Wall or Soffit are available

The Project Engineer must ensure the structure can support the appropriate loads.

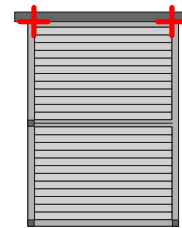


2xBay 2A

Wall Series. Louvres Parallel to Wall (2 x Bay example)

Total Uplift loads, according to the appropriate Wind Zone are resisted by the Foundations/attachments. Post foundations can be Concrete masses in soil, a suitable continuous Concrete pad or connections to a Timber Deck.
At the Wall the load is **concentrated**.
This type is **not suitable** for Wall or Soffit mounting unless strengthening work is undertaken

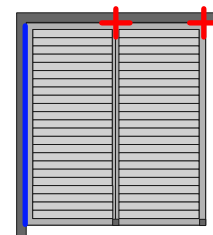
The Project Engineer must ensure the structure can support the appropriate loads..



2xBay 2B

Two Wall Series (2 x Bay example)

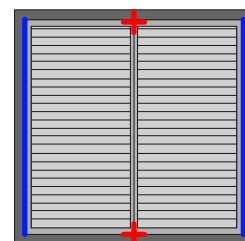
These are a combination of the two Wall types above.
Distributed (Wall or Soffit) and Point (Wall only) loads.



2xBay 4A

Integrated Series. No Posts. (2 x Bay example)

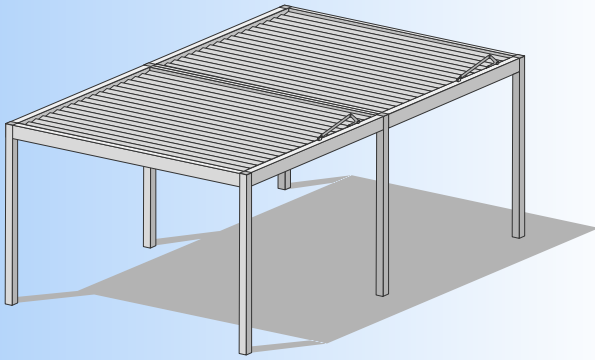
As for Two Wall series above.
Louvres Perpendicular to Wall - OK for direct Wall attachment.
Louvres Parallel to Wall - See comments above



2xBay 5

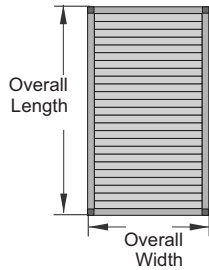
Juralco SunPivot® Outdoor Living System - Area and Wind Zone Tables

Freestanding - Available as Single or MultiBay
SolarZip Dropscreens, Glaslide Sliding Glass Doors optional
Wireless Controls



Available as Single or MultiBay
Electrically operated with Wireless Remotes
SolarZip® Dropscreens available for Shade protection
Glaslide® Sliding Glass doors available for Wind protection
Mounting to Timber or Concrete decks.
Refer to the Flow Chart to find allowable Design under the Generic PS1
Specific Engineers design available, see notes below

Single Bay Freestanding

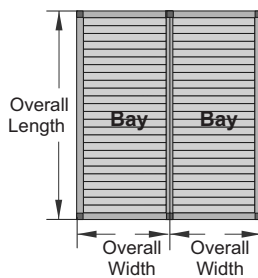


| Wind Zone | All Area and Dimensions, per Bay | | All values, per Post | |
|------------|----------------------------------|--|----------------------|-------------------------|
| | Area Max sqm | Approx Max Dimensions | Uplift kN | Concrete m ³ |
| Low | 22.8 | Per Bay Overall Width max 4.2m Overall Length max 5.8m | 4.18 | 0.18 |
| Medium | 22.8 | | 5.59 | 0.24 |
| High | 22.8 | | 7.90 | 0.34 |
| Very High | 17.6 | | 7.92 | 0.34 |
| Extra High | 14.5 | | 7.03 | 0.31 |

Use this figure as a basis for strength calculations if attaching to other than Concrete

Use this figure if attaching Concrete

Multi Bay Freestanding (2 or more bays)



| Wind Zone | All Area and Dimensions, per Bay | | All values, per Post | | | |
|------------|----------------------------------|--|----------------------------|-------------------------|------------------------------|-------------------------|
| | Area Max sqm | Approx Max Dimensions | Applies to Outer 4 x Posts | | Applies to Central 2 x Posts | |
| | | | Uplift kN | Concrete m ³ | Uplift kN | Concrete m ³ |
| Low | 22.8 | Overall Width 4.2m max Overall Length 5.8m max (these will vary slightly with different beam combinations) | 4.18 | 0.18 | 8.36 | 0.36 |
| Medium | 22.8 | | 5.59 | 0.24 | 11.18 | 0.49 |
| High | 22.8 | | 7.90 | 0.34 | 15.84 | 0.69 |
| Very High | 17.6 | | 7.92 | 0.34 | 15.84 | 0.69 |
| Extra High | 14.5 | | 7.03 | 0.31 | 14.06 | 0.61 |

Use these figures as a basis for strength calculations if attaching to other than Concrete

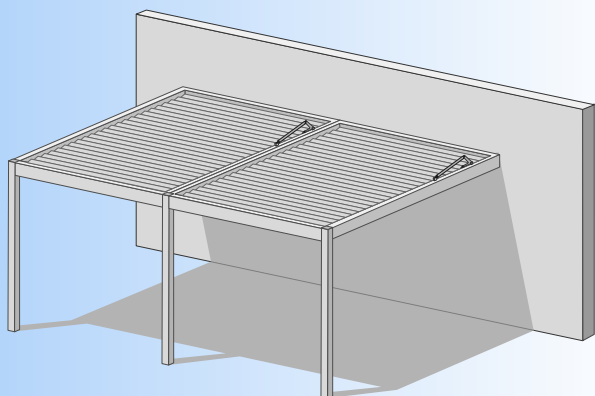
Use these figures if attaching Concrete

Notes:

- 1 - For Posts, for all configurations Max Height is 2.7m.
- 2 - The Project engineer must ensure the structure can support the appropriate loads
- 3 - If Glaslide Sliding Glass doors are attached to the structure max Areas for ea **Wind Zone are reduced**
Low/Medium WZ- no reduction, High WZ 0.8, Very High WZ 0.7, Extra High and SED, Specific Design required

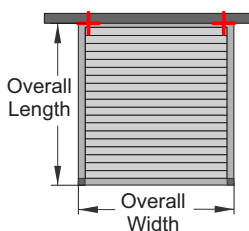
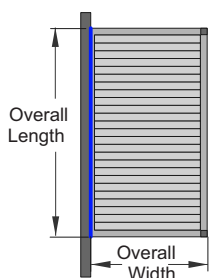
Juralco SunPivot® Outdoor Living System - Area and Wind Zone Tables

1 x Wall - Available as Single or MultiBay
SolarZip Dropscreens, Glaslide Sliding Glass Doors optional
Wireless Controls



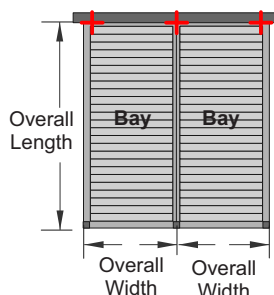
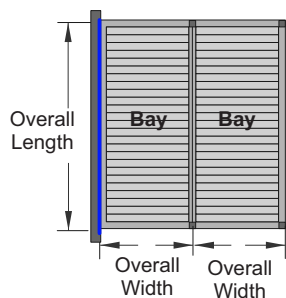
Available as Single or MultiBay
 Electrically operated with Wireless Remotes
 SolarZip® Dropscreens available for Shade protection
 Glaslide® Sliding Glass doors available for Wind protection
 Mounting to Timber or Concrete decks.
 Refer to the Flow Chart to find allowable Design under the Generic PS1
 Specific Engineers design available, see notes below

Two Wall Series



| Wind Zone | All Area and Dimensions, per Bay | | All values, per Post | | Applies to Wall and Soffit attach | | Applies to Wall attach point |
|------------|---|--|-----------------------------|-------------------------|-----------------------------------|----------------|------------------------------|
| | Area Max sqm | Approx Max Dimensions | Uplift kN | Concrete m ³ | Distributed Load kN/m | Fixings Screws | Point Load kN |
| Low | 22.68 | Per Bay Overall Width max 4.2m Overall Length max 5.8m | 5.23 | 0.23 | 1.94 | 1x14g @600 | 5.23 |
| Medium | 21.84 | | 6.73 | 0.29 | 2.59 | 1x14g @600 | 6.73 |
| High | 17.64 | | 7.68 | 0.33 | 3.66 | 2x14g @600 | 7.68 |
| Very High | 13.69 | | 7.70 | 0.33 | 4.16 | 2x14g @600 | 7.70 |
| Extra High | 12.25 | | 7.45 | 0.32 | 4.26 | 2x14g @600 | 7.45 |

Multi Bay Two Wall Series (2 or more bays)



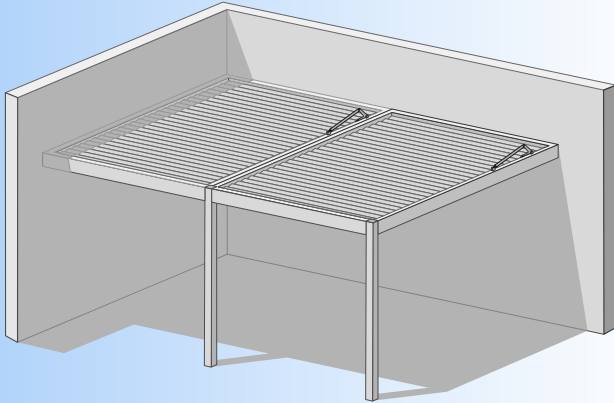
| Wind Zone | All Area and Dimensions, per Bay | | All values, per Post | | | | Applies to Wall and Soffit attach | | Applies to Outer Wall attach point | Applies to Central Wall attach point |
|------------|---|--|-----------------------------|-------------------------|-----------|-------------------------|-----------------------------------|---------------|------------------------------------|--------------------------------------|
| | Area Max sqm | Approx Max Dimensions | Uplift kN | Concrete m ³ | Uplift kN | Concrete m ³ | Distributed Load kN/m | Fixing Screws | Point Load kN | Point Load kN |
| Low | 22.68 | Overall Width 4.2m max Overall Length 5.8m max (these will vary slightly with different beam combinations) | 5.23 | 0.23 | 10.45 | 0.45 | 1.94 | 1x14g @600 | 5.23 | 10.45 |
| Medium | 21.84 | | 6.75 | 0.29 | 13.45 | 0.58 | 2.59 | 1x14g @600 | 6.73 | 13.45 |
| High | 17.64 | | 7.68 | 0.33 | 15.37 | 0.67 | 3.66 | 2x14g @600 | 7.68 | 15.37 |
| Very High | 13.69 | | 7.70 | 0.33 | 15.40 | 0.67 | 4.16 | 2x14g @600 | 7.70 | 15.400 |
| Extra High | 12.25 | | 7.45 | 0.32 | 14.91 | 0.65 | 4.26 | 2x14g @600 | 7.45 | 14.91 |

Notes:

- 1 - For Posts, for all configurations Max Height is 2.7m.
- 2 - The Project engineer must ensure the structure can support the appropriate loads
- 3 - If Glaslide Sliding Glass doors are attached to the structure max Areas for ea **Wind Zone are reduced**
 Low/Medium WZ- no reduction, High WZ 0.8, Very High WZ 0.7, Extra High and SED, Specific Design required

Juralco SunPivot® Outdoor Living System - Area and Wind Zone Tables

2 x Wall - Available as Single or MultiBay
SolarZip Dropscreens, Glaslide Sliding Glass Doors optional
Wireless Controls



Available as Single or MultiBay

Electrically operated with Wireless Remotes

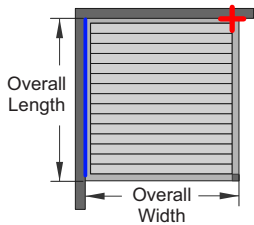
SolarZip® Dropscreens available for Shade protection

Glaslide® Sliding Glass doors available for Wind protection

Mounting to Timber or Concrete decks.

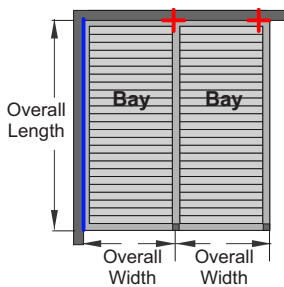
Refer to the Flow Chart to find allowable Design under the Generic PS1
Specific Engineers design available, see notes below

Two Wall Series



| Wind Zone | All Area and Dimensions, per Bay | | All values, per Post | | Applies to Wall and Soffit attach | | Applies to Wall attach point |
|------------|----------------------------------|--|----------------------|-------------------------|-----------------------------------|----------------|------------------------------|
| | Area Max sqm | Approx Max Dimensions | Uplift kN | Concrete m ³ | Distributed Load kN/m | Fixings Screws | Point Load kN |
| Low | 22.68 | Per Bay Overall Width max 4.2m Overall Length max 5.8m | 5.23 | 0.23 | 1.94 | 1x14g @600 | 5.23 |
| Medium | 21.84 | | 6.73 | 0.29 | 2.59 | 1x14g @600 | 6.73 |
| High | 17.64 | | 7.68 | 0.33 | 3.66 | 2x14g @600 | 7.68 |
| Very High | 13.69 | | 7.70 | 0.33 | 4.16 | 2x14g @600 | 7.70 |
| Extra High | 12.25 | | 7.45 | 0.32 | 4.26 | 2x14g @600 | 7.45 |

Multi Bay Two Wall Series (2 or more bays)



| Wind Zone | All Area and Dimensions, per Bay | | All values, per Post | | | | Applies to Wall and Soffit attach | | Applies to Outer Wall attach point | Applies to Central Wall attach point |
|------------|----------------------------------|--|----------------------|-------------------------|-----------|-------------------------|-----------------------------------|---------------|------------------------------------|--------------------------------------|
| | Area Max sqm | Approx Max Dimensions | Uplift kN | Concrete m ³ | Uplift kN | Concrete m ³ | Distributed Load kN/m | Fixing Screws | Point Load kN | Point Load kN |
| Low | 22.68 | Overall Width 4.2m max Overall Length 5.8m max (these will vary slightly with different beam combinations) | 5.23 | 0.23 | 10.45 | 0.45 | 1.94 | 1x14g @600 | 5.23 | 10.45 |
| Medium | 21.84 | | 6.75 | 0.29 | 13.45 | 0.58 | 2.59 | 1x14g @600 | 6.73 | 13.45 |
| High | 17.64 | | 7.68 | 0.33 | 15.37 | 0.67 | 3.66 | 2x14g @600 | 7.68 | 15.37 |
| Very High | 13.69 | | 7.70 | 0.33 | 15.40 | 0.67 | 4.16 | 2x14g @600 | 7.70 | 15.400 |
| Extra High | 12.25 | | 7.45 | 0.32 | 14.91 | 0.65 | 4.26 | 2x14g @600 | 7.45 | 14.91 |

Notes:

- 1 - For Posts, for all configurations Max Height is 2.7m.
- 2 - The Project engineer must ensure the structure can support the appropriate loads
- 3 - If Glaslide Sliding Glass doors are attached to the structure max Areas for ea **Wind Zone are reduced**
Low/Medium WZ- no reduction, High WZ 0.8, Very High WZ 0.7, Extra High and SED, Specific Design required

Juralco SunPivot® Outdoor Living System - Area and Wind Zone Tables

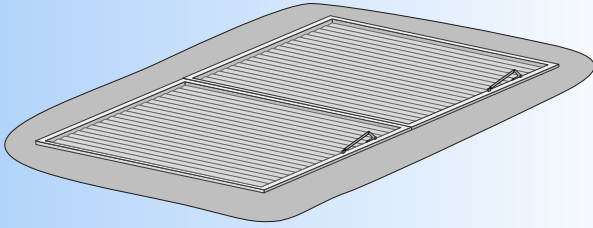
Integrated - Available as Single or MultiBay
Wireless Controls

Available as Single or MultiBay

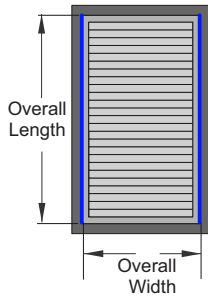
Electrically operated with Wireless Remotes

Refer to the Flow Chart to find allowable Design under the Generic PS1

Specific Engineers design available, see notes below

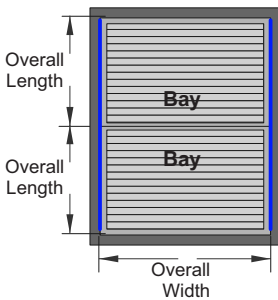
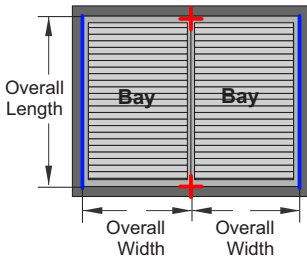


Single Bay Intergrated Series



| All Area and Dimensions, per Bay | | | | | |
|----------------------------------|--------------|--|-----------------------|----------------|--|
| Wind Zone | Area Max sqm | Approx Max Dimensions | Distributed Load kN/m | Fixings Screws | |
| Low | 22.68 | Per Bay Overall Width max 4.2m Overall Length max 5.8m | 1.94 | 1x14g at 600 | |
| Medium | 21.84 | | 2.59 | 1x14g at 600 | |
| High | 17.64 | | 3.66 | 2x14g at 600 | |
| Very High | 13.69 | | 4.16 | 2x14g at 600 | |
| Extra High | 12.25 | | 4.26 | 2x14g at 600 | |

Multi Bay Intergrated Series (2 or more bays)



| All Area and Dimensions, per Bay | | | | | |
|----------------------------------|--------------|--|-----------------------|---------------|---------------|
| Wind Zone | Area Max sqm | Approx Max Dimensions | Distributed Load kN/m | Fixing Screws | Point Load kN |
| Low | 22.68 | Overall Width 4.2m max Overall Length 5.8m max (these will vary slightly with different beam combinations) | 1.94 | 1x14g @600 | 10.45 |
| Medium | 21.84 | | 2.59 | 1x14g @600 | 13.45 |
| High | 17.64 | | 3.66 | 2x14g @600 | 15.37 |
| Very High | 13.69 | | 4.16 | 2x14g @600 | 15.40 |
| Extra High | 12.25 | | 4.26 | 2x14g @600 | 14.91 |

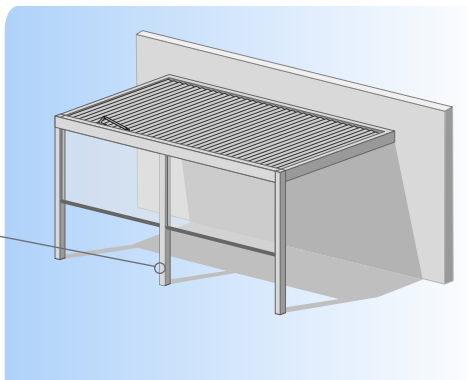
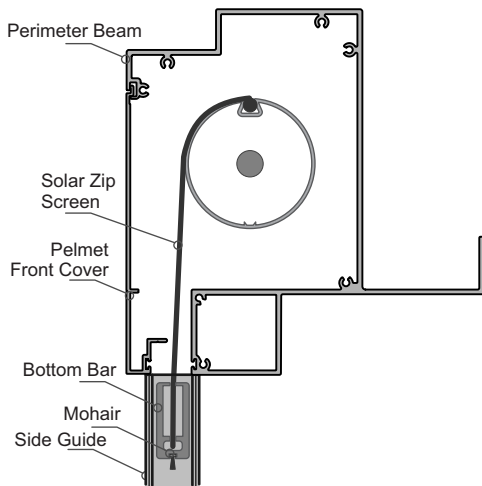
Applies to Wall attach

Applies to Inner Wall attach points



Juralco SolarZip Dropdown

- For afternoon sun shade protection
- When retracted hidden completely in the Perimeter beam
- Curtain edges run inside guide rails.
- Motorised only.
- Wireless controls
- All units come with Wind Sensors to automatically retract if winds get too high



Dummy Post

- For Side openings greater than 4m a Dummy Post can be used to give a 4m max opening

- For more details please Refer to the Juralco Solar Zip Dropscreen manual



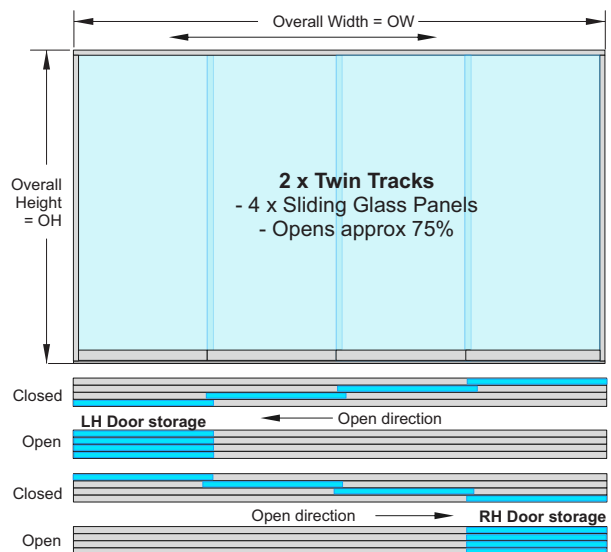
Juralco Glaslide System

- For wind protection
- Can attach the Glaslide system to the SunPivot framework
- Glass panels max 1.1m Wide ex 15mm Toughened Glass.
- Panels slide and stack to a max panel width of 1.1m
- Max Glass Panel Heights when installed in the SunPivot system

| Wind Zone | Glass Height m |
|------------|----------------|
| Low | 2.7m |
| Medium | 2.6m |
| High | 2.4m |
| Very High | 2.2m |
| Extra High | NA |

- The incorporation of a Glaslide Sliding Door panel system as part of a SunPivot frame will cause a reduction of the max allowable Area for any given Wind Zone.
 Low WZ - no reduction
 Medium/High WZ 0.8, Very High WZ 0.7
 Extra High WZ and above - Specific Design only.

Available as Twin and Triple tracks incorporating Magnetic latches



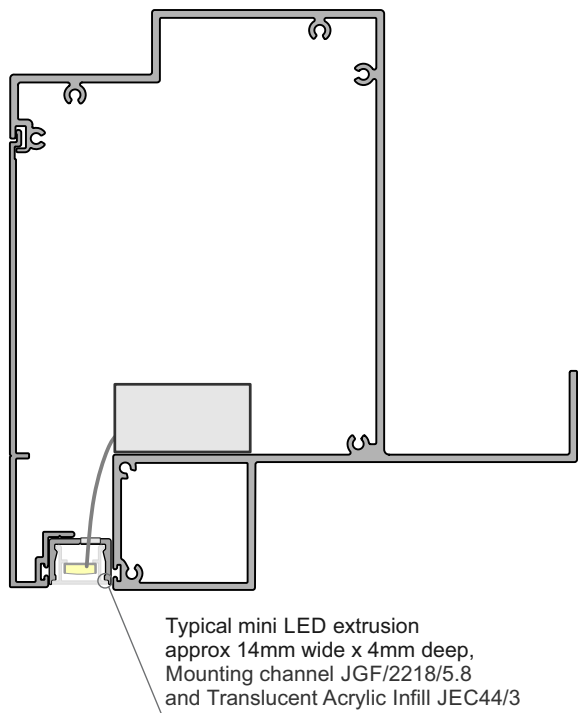
- For more details please Refer to the Juralco Glaslide manual

Juralco SunPivot® Living Systems - Lighting

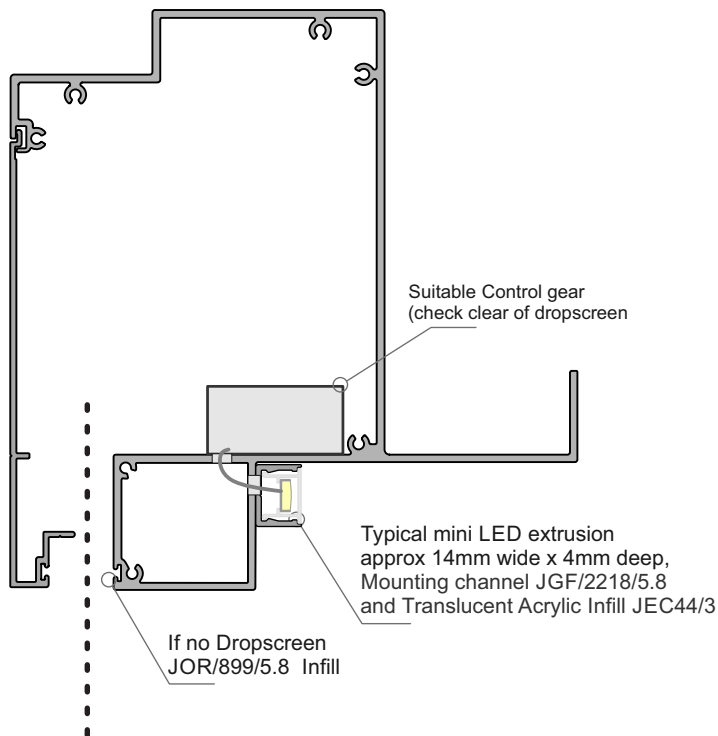
Lighting.

The SunPivot® system is designed to be installed outside, suitable lighting will extend its evening use for entertaining and relaxing. Many lighting solutions exist, depending on client requirements; the following are recommendations only. LED Striplights, enclosed on extrusions with diffuser covers are available in a variety of shapes from a variety of suppliers. Most of these are quite small, about 20mm wide x 10mm deep, and usually up to 2m long. Waterproof strips only 11mm wide x 3mm deep (IP 67) can be obtained up to 10m long. Attachment with suitable double sided tape is satisfactory. Control gear can be housed inside the JOR/801 extrusion. Dimming and colour changing are possible options.

Perimeter Beam JOR/801
(Option if No Dropscreen only)



Perimeter Beam JOR/801
(With/without Dropscreen option)



Mindy TT1L miniaturised receiver control units with pass-through installation, IP55 protection.
With radio-controls 433.92 MHZ receiver with over 4.5 million billion combinations.
Self-recognition of the transmitters of the NiceWay series with 2, 4 or 6 channels.
TT1 L for Lighting control Ultra compact 96mm long x 26 x20mm

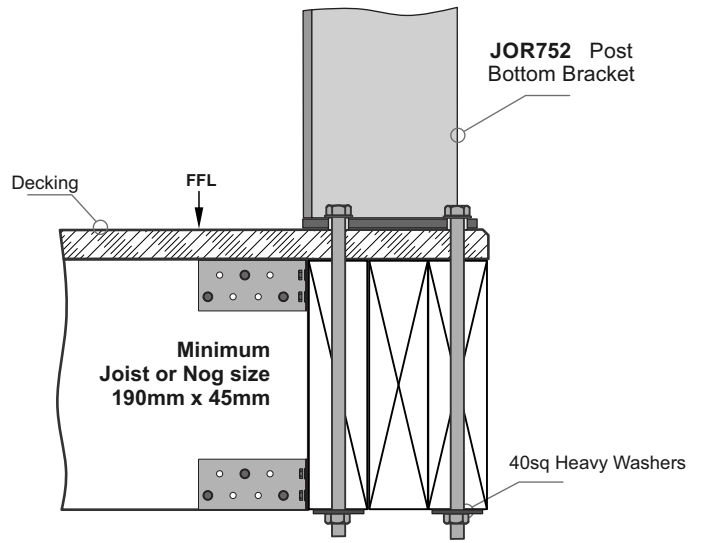
Juralco SunPivot® Outdoor Living System - Structural - Post attach to Joists

Complies with NZS3604:2011 - Double Boundary Joists

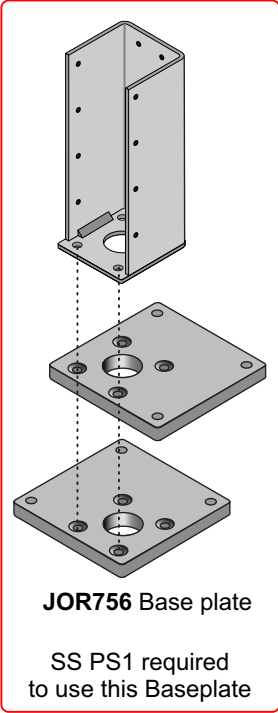
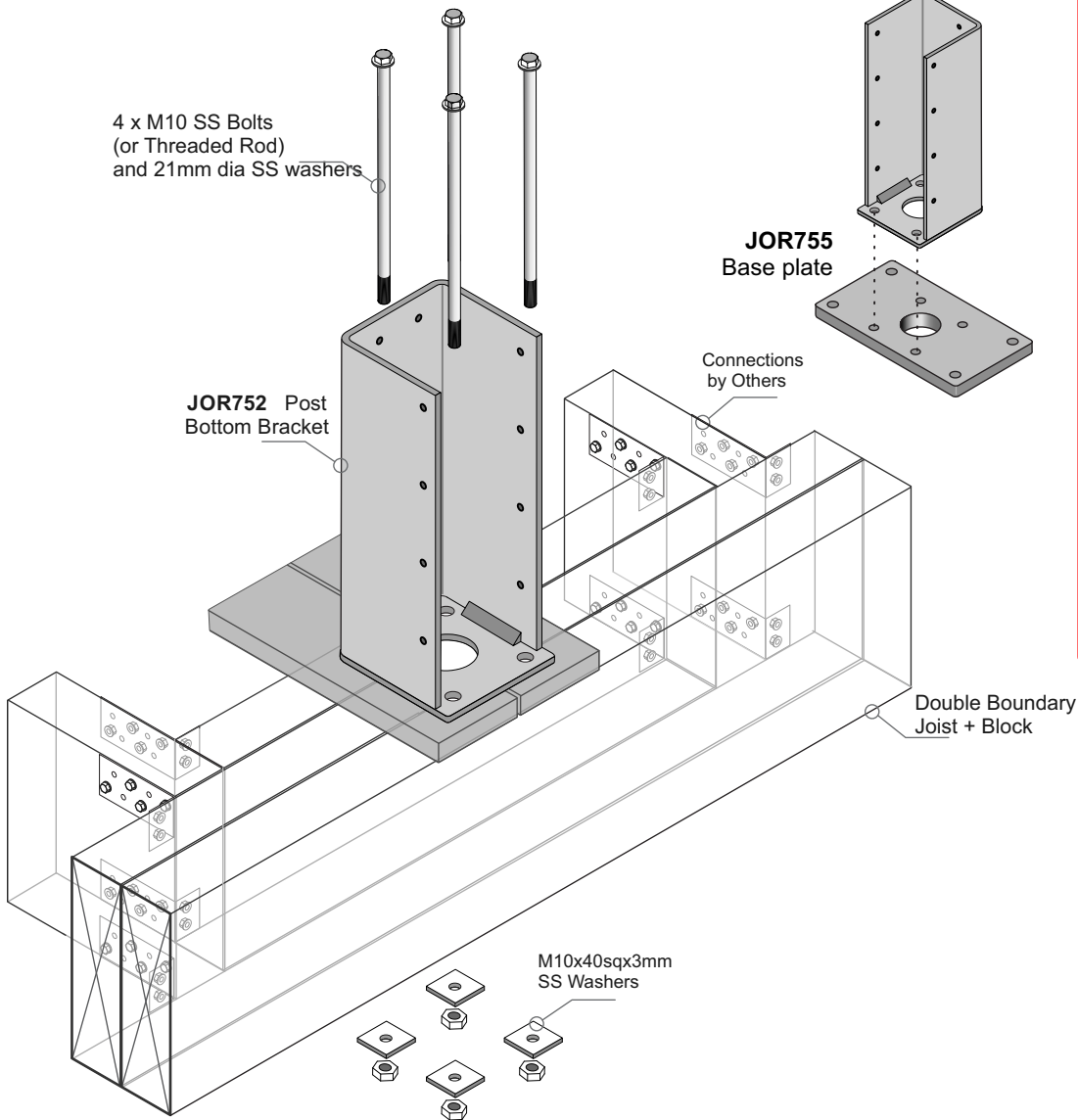
Typical Top Fix to Timber (Deck Outer edge) - Post Bottom Bracket JOR752 + M10SS Bolts

Important Installation notes:

- 1 - The Project Engineer must ensure the structure can support the appropriate loads
- 2 - Substructure shown indicatively only.
- 3 - Timber SG8 minimum strength
- 4 - All Fixings must be Stainless steel



JOR752 Post Bottom Bracket + Optional Base Plates



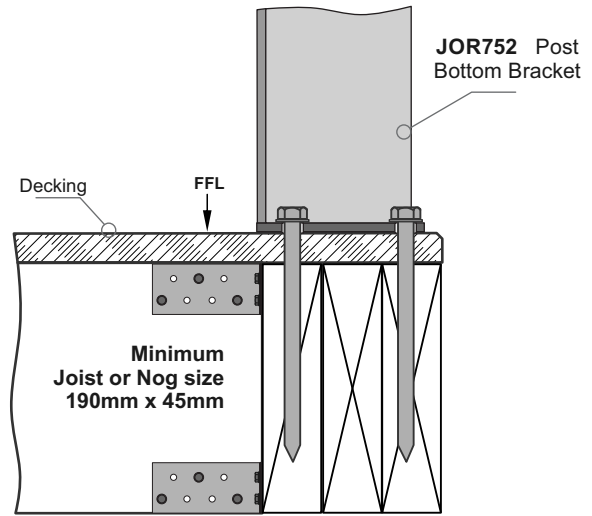
Juralco SunPivot® Outdoor Living System - Structural - Post attach to Joists

Complies with NZS3604:2011 - Double Boundary Joists

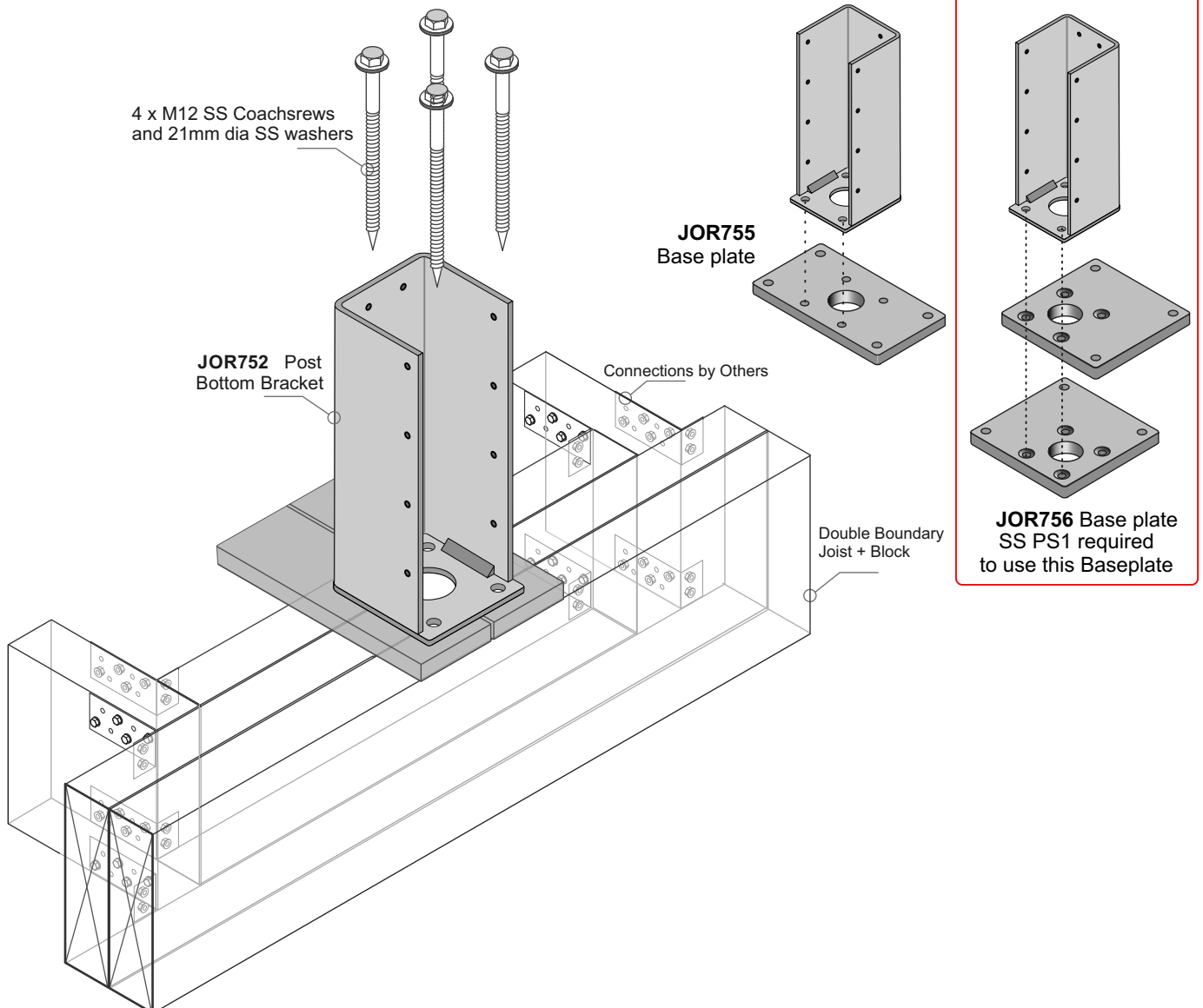
Typical Top Fix to Timber (Deck Outer edge) - Post Bottom Bracket JOR752 + M12SS Coachscrews

Important Installation notes:

- 1 - The Project Engineer must ensure the structure can support the appropriate loads
- 2 - Substructure shown indicatively only.
- 3 - Timber SG8 minimum strength
- 4 - Coachscrews 150mm min engagement into joists. Predrill 6mm holes
- 5 - Bond all Coachscrews with SIKA Supergrip30 to full depth
- 6 - All Fixings must be Stainless steel



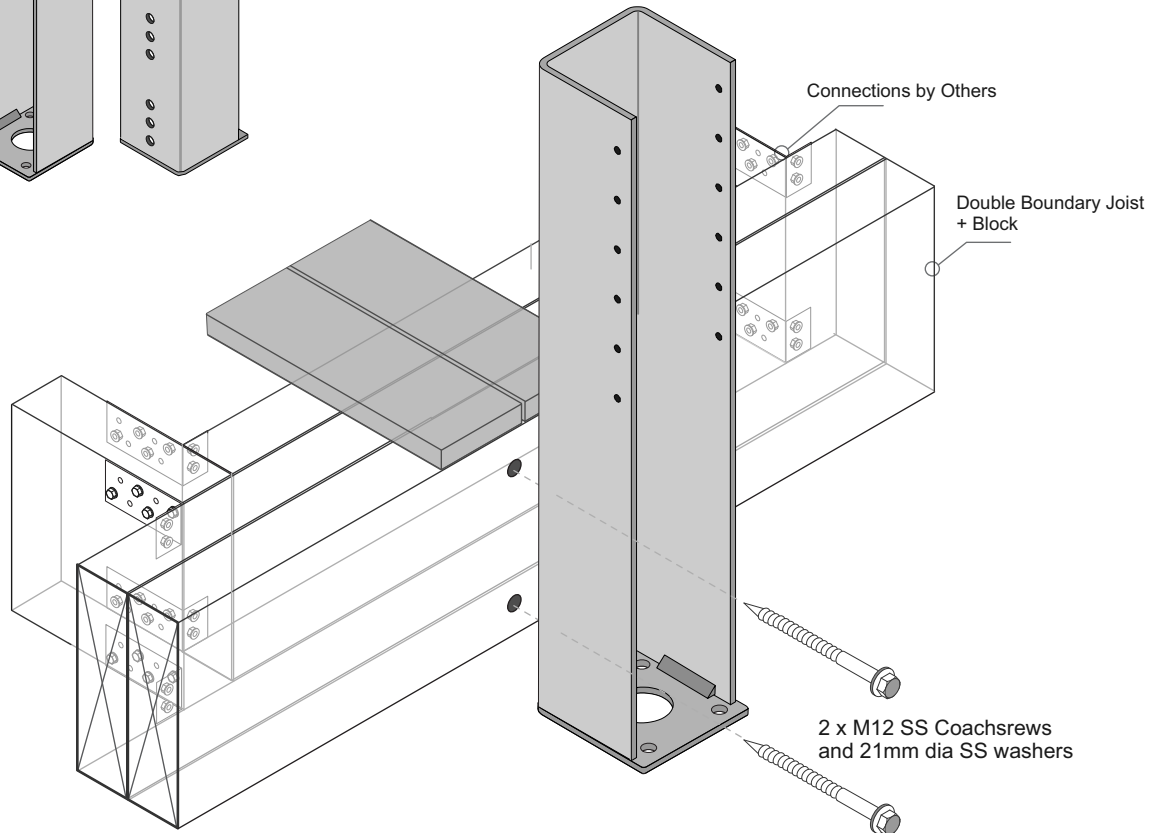
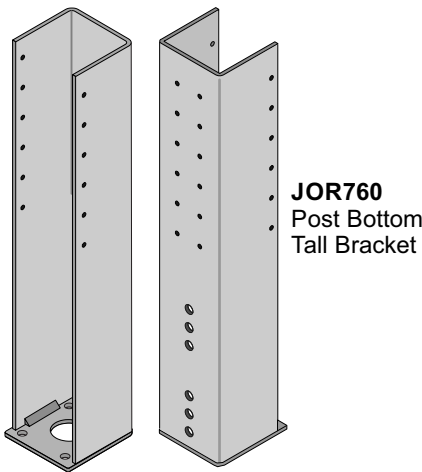
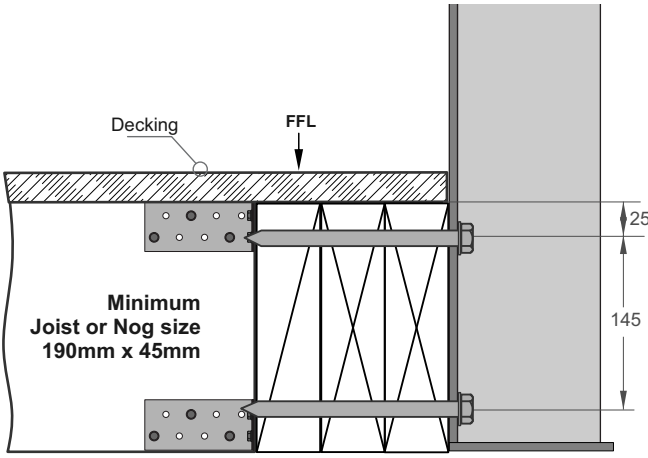
JOR752 Post Bottom Bracket + Optional Base Plates



Juralco SunPivot® Living Systems - Structural - Typical Post Fixings to Timber Decks
Complies with NZS3604:2011 - Double Boundary Joists

Typical FACE Fix to Timber (Deck Outer Edge) - Post Bottom Bracket JOR760 + M12 SS Coachscrews

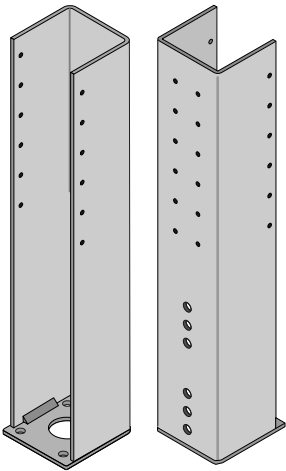
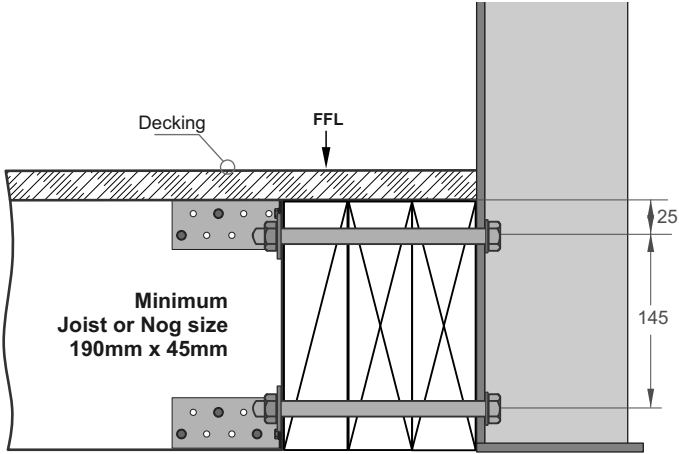
- Important Installation notes:**
- 1 - The Project Engineer must ensure the structure can support the appropriate loads
 - 2 - Substructure shown indicatively only.
 - 3 - Timber SG8 minimum strength
 - 4 - Coachscrews full engagement into joists.
Pre-drill 6mm holes
 - 5 - Bond all Coachscrews with SIKA Supergrip30 to full depth
 - 6 - All Fixings must be Stainless steel



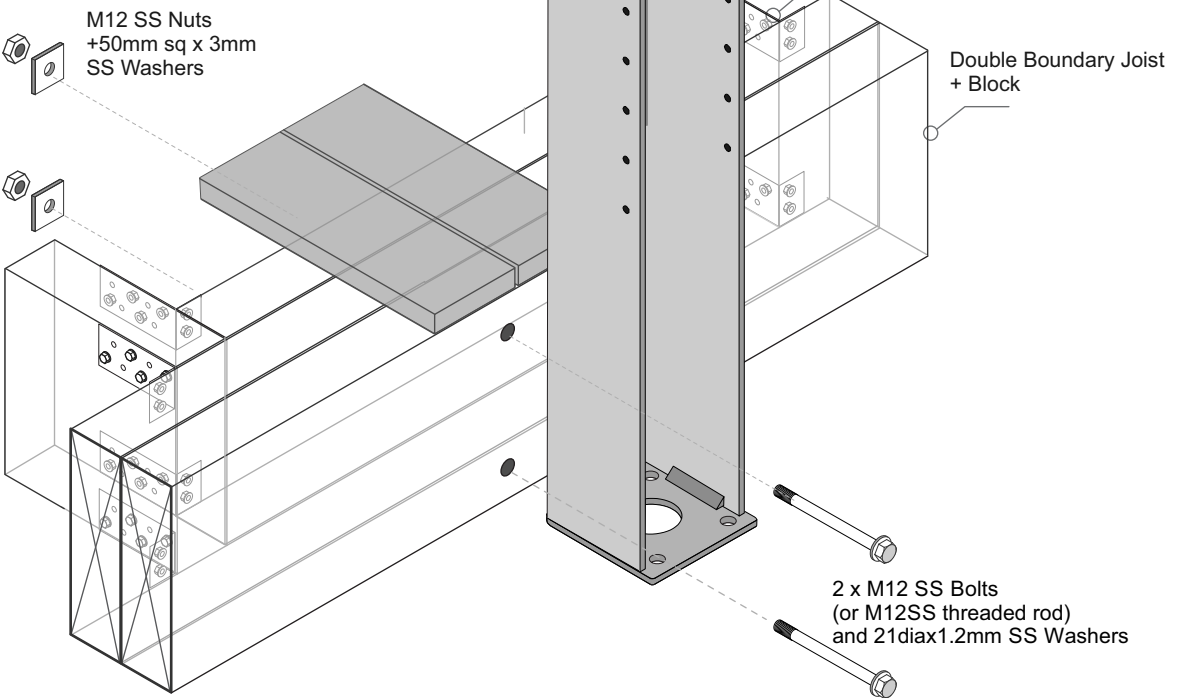
Juralco SunPivot® Living Systems - Structural - Typical Post Fixings to Timber Decks
Complies with NZS3604:2011 - Double Boundary Joists

Typical FACE Fix to Timber (Deck Outer Edge) - Post Bottom Bracket JOR760 + M12 SS Bolts

- Important Installation notes:**
- 1 - The Project Engineer must ensure the structure can support the appropriate loads
 - 2 - Substructure shown indicatively only.
 - 3 - Timber SG8 minimum strength
 - 4 - All Fixings must be Stainless steel



JOR760
Post Bottom
Tall Bracket

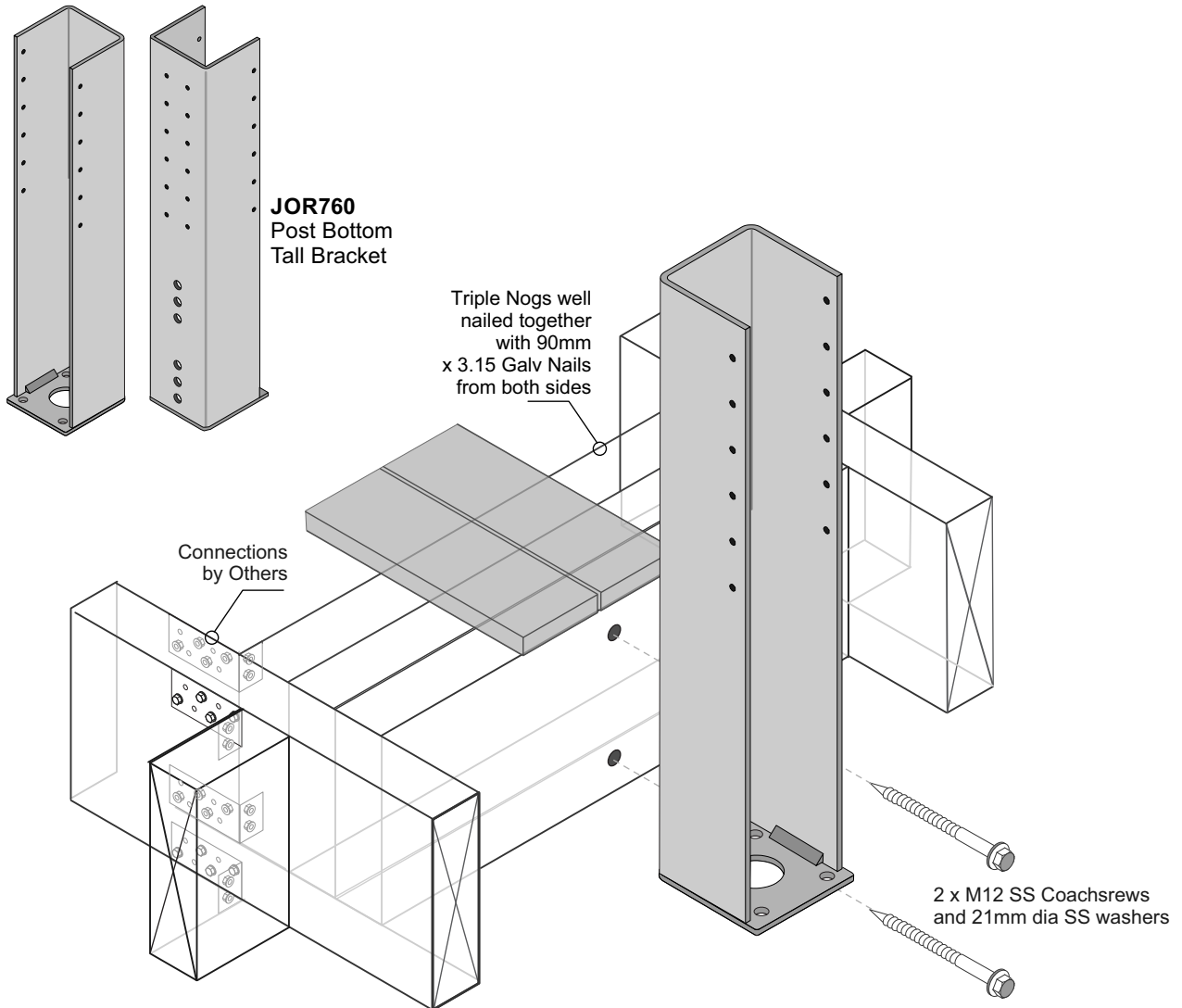
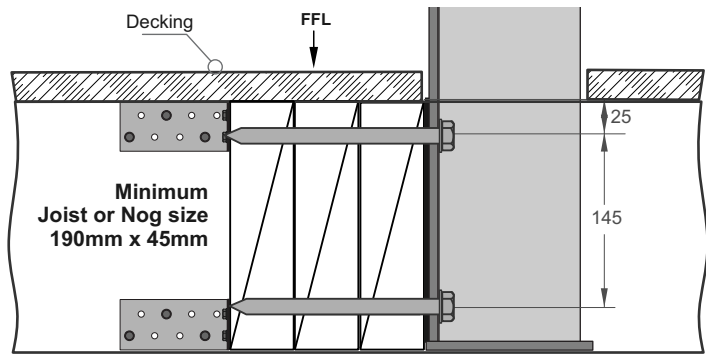


Juralco SunPivot® Living Systems - Structural - Typical Post Fixings to Timber Decks
Complies with NZS3604:2011 - Double Boundary Joists

Typical FACE Fix to Timber (Deck Inner Area) - Post Bottom Bracket JOR760 + M12 SS Coachscrews

Important Installation notes:

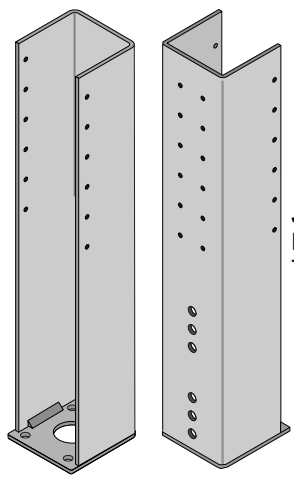
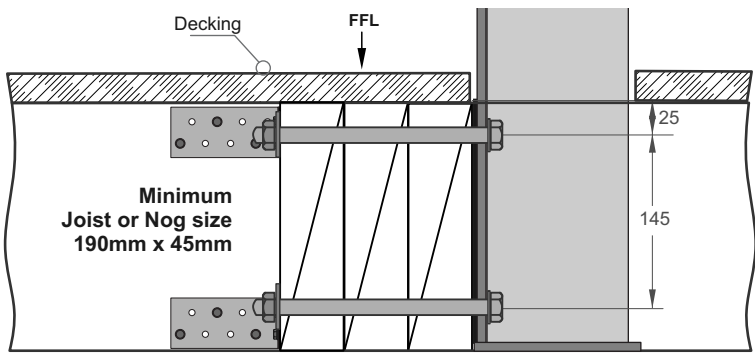
- 1 - The Project Engineer must ensure the structure can support the appropriate loads
- 2 - Substructure shown indicatively only.
- 3 - Timber SG8 minimum strength
- 4 - Coachscrews full engagement into joists.
Predrill 6mm holes
- 5 - Bond all Coachscrews with
SIKA Supergrip30 to full depth
- 6 - All Fixings must be Stainless steel



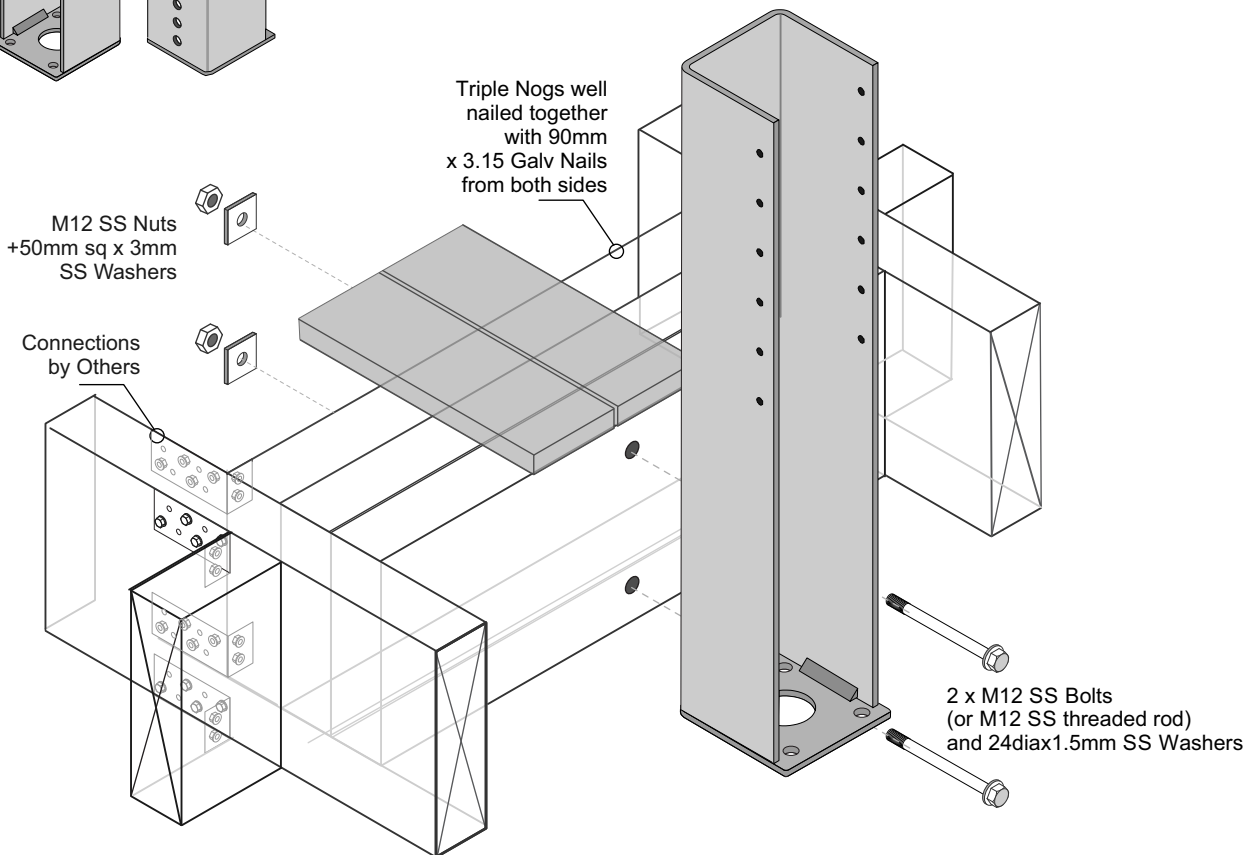
Juralco SunPivot® Living Systems - Structural - Typical Post Fixings to Timber Decks
Complies with NZS3604:2011 - Double Boundary Joists

Typical FACE Fix to Timber (Deck Inner Area) - Post Bottom Bracket JOR760 + M12 SS Bolts

- Important Installation notes:**
- 1 - The Project Engineer must ensure the structure can support the appropriate loads
 - 2 - Substructure shown indicatively only.
 - 3 - Timber SG8 minimum strength
 - 4 - All Fixings must be Stainless steel



JOR760
Post Bottom Tall Bracket



Typical Top Fix to Concrete Footing - Post Bottom Bracket JOR752 or JOR760 + M12 SS Studs

- Important Installation notes:**
- 1 - The Project Engineer must ensure the structure can support the appropriate loads
 - 2 - Substructure shown indicatively only
 - 3 - All fixings must engage into the structural slab
 - 4 - A PVC Tape layer must be installed between the Base plate and Concrete
 - 5 - All fixings must be Stainless steel



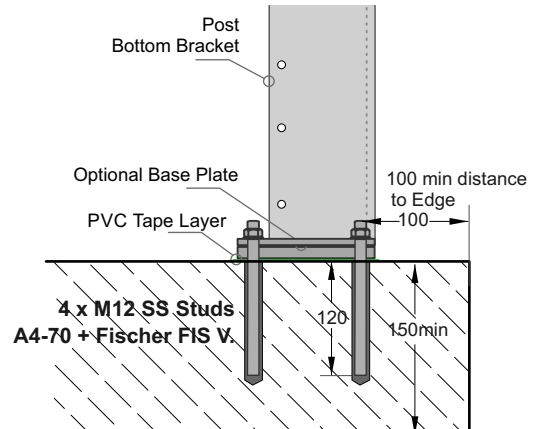
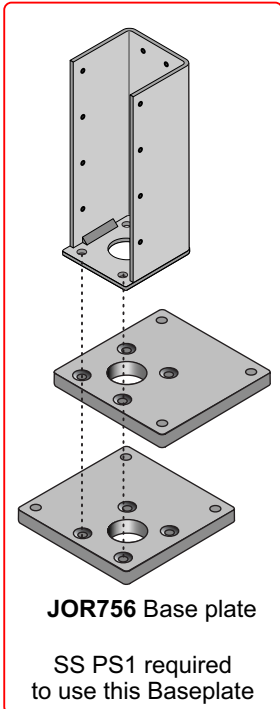
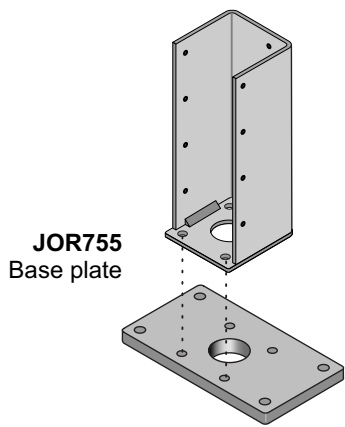
Installation details Fischer FIS V 300T

| | |
|---------------------|----------|
| Thread diameter | M12 |
| Drill hole diameter | = 14 mm |
| Drill hole depth | = 130 mm |
| Anchorage depth | = 120 mm |

| | |
|---------------------|--|
| Drilling method | Hammer drilling |
| Drill hole cleaning | 4 times blowing, 4 times brushing, 4 times blowing |

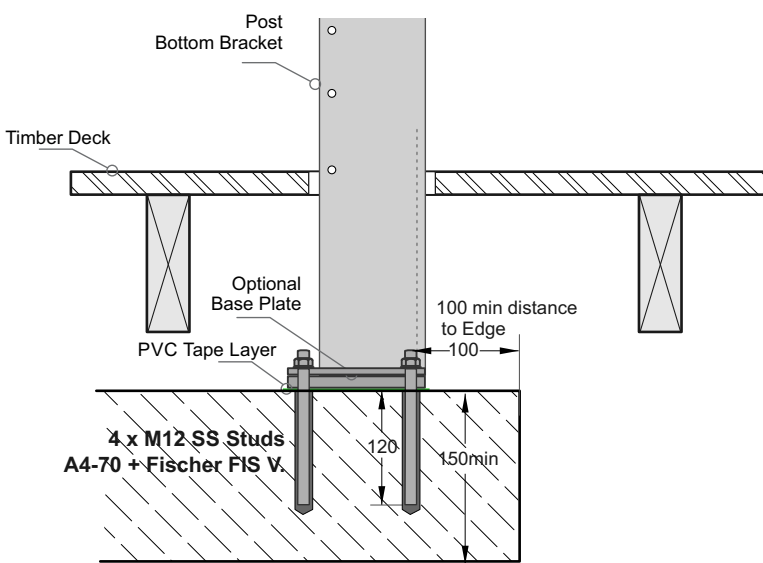
No borehole cleaning required in case of using a hollow drill bit, e.g. fischer FHD.

JOR752 Post Bottom Bracket + Optional Base Plates



Uncracked Concrete Slab Min 25MPa reinforced

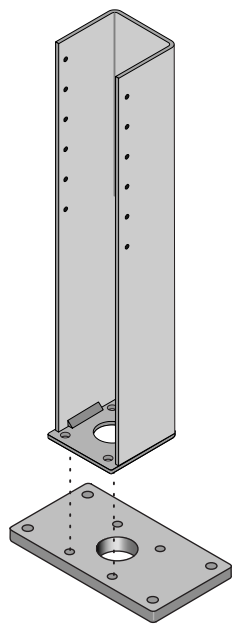
Typical Mounting to Concrete Footing



Uncracked Concrete Slab Min 25MPa reinforced

Typical Mounting to Concrete Footing through a Timber Deck, using extra long Corner Post Bracket


JOR760 Post Bottom Tall Bracket + Optional Base Plate



JOR755 Base plate

Typical Top Fix to Concrete Slab - Post Bottom Brackets JOR752 or JOR760 + M10SS Fischer Screws

- Important Installation notes:**
- 1 - The Project Engineer must ensure the structure can support the appropriate loads
 - 2 - Substructure shown indicatively only
 - 3 - All fixings must engage into the structural slab
 - 4 - A PVC Tape layer must be installed between the Base plate and Concrete
 - 5 - All fixings must be Stainless steel



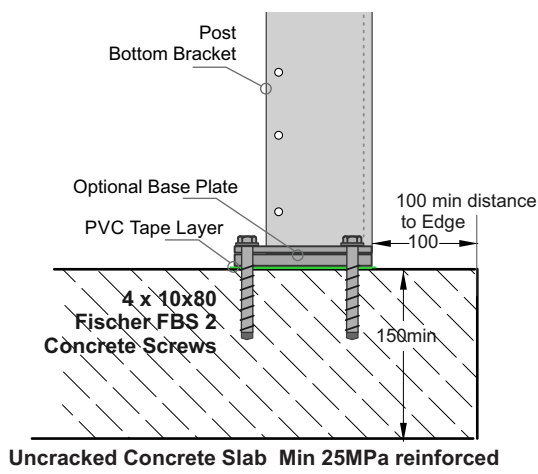
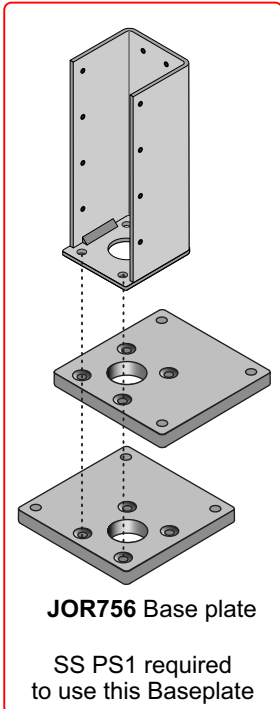
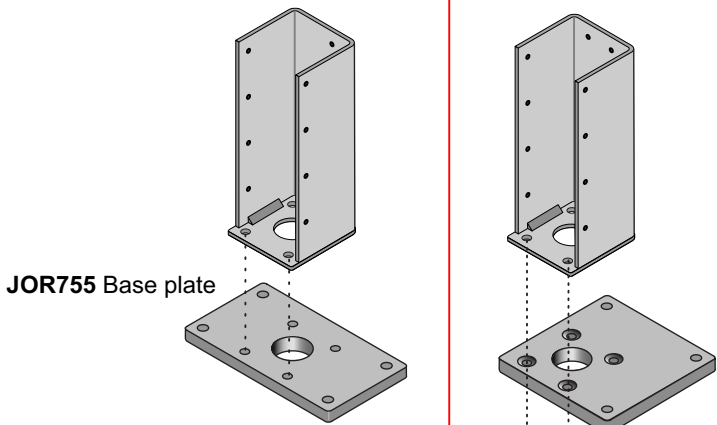
Installation details Fischer FBS 2 Concrete Screw 10x80

| | |
|---------------------|---------|
| Thread diameter | 12mm |
| Drill hole diameter | = 10 mm |
| Drill hole depth | = 75 mm |
| Anchorage depth | = 65 mm |

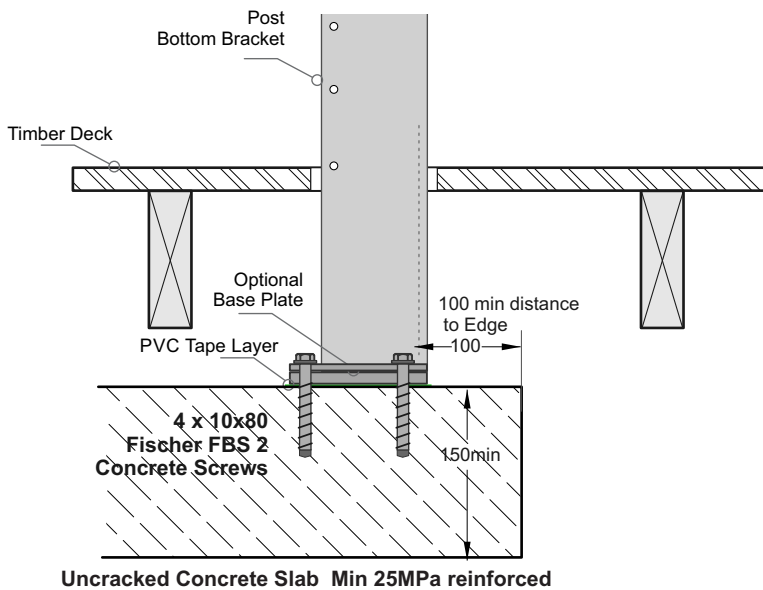
| | |
|---------------------|--|
| Drilling method | Hammer drilling |
| Drill hole cleaning | 4 times blowing, 4 times brushing, 4 times blowing |

No borehole cleaning required in case of using a hollow drill bit, e.g. fischer FHD.

JOR752 Post Bottom Bracket + Optional Base Plates

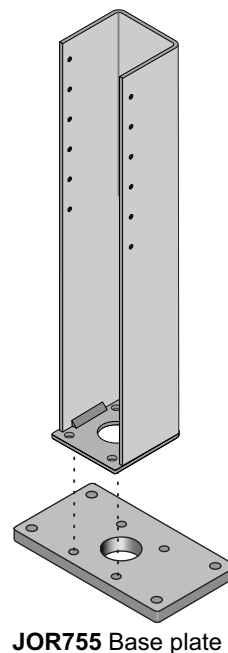


Typical Mounting to Concrete Slab



Typical Mounting to Concrete Slab through a Timber Deck, using Tall Post Bracket

JOR760 Post Bottom Tall Bracket + Optional Base Plate

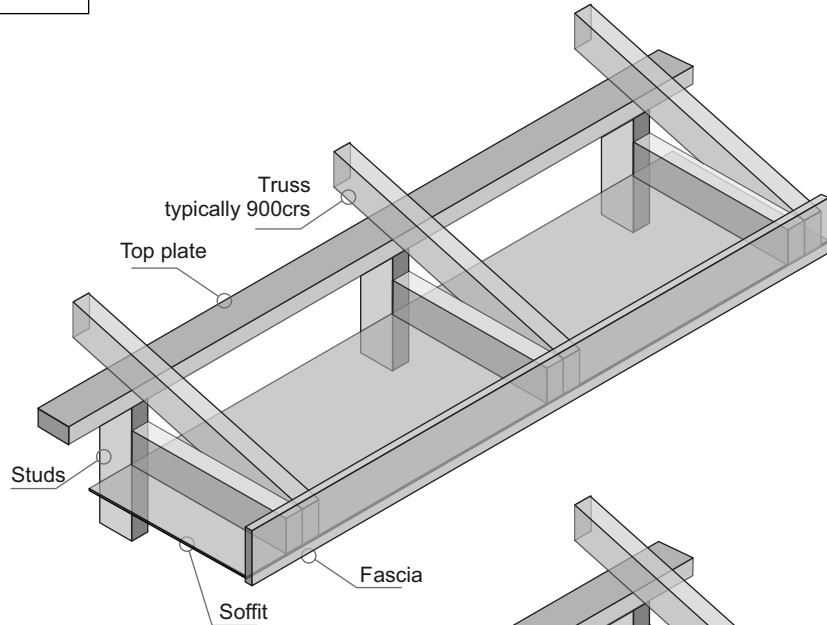


NOTE : Only applicable to Louvres perpendicular to Wall. ie Distributed Load, Soffit (or Wall Attach)

Important Installation notes:

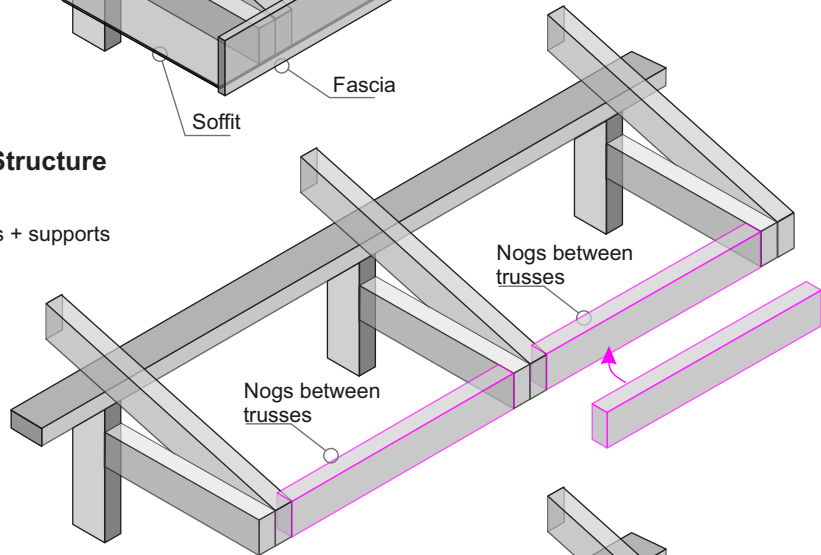
- 1 - The Project Engineer must ensure the structure can support the appropriate loads
- 2 - Substructure shown indicatively only
- 3 - All fixings must be Stainless steel

Soffit - Typical Soffit Structure



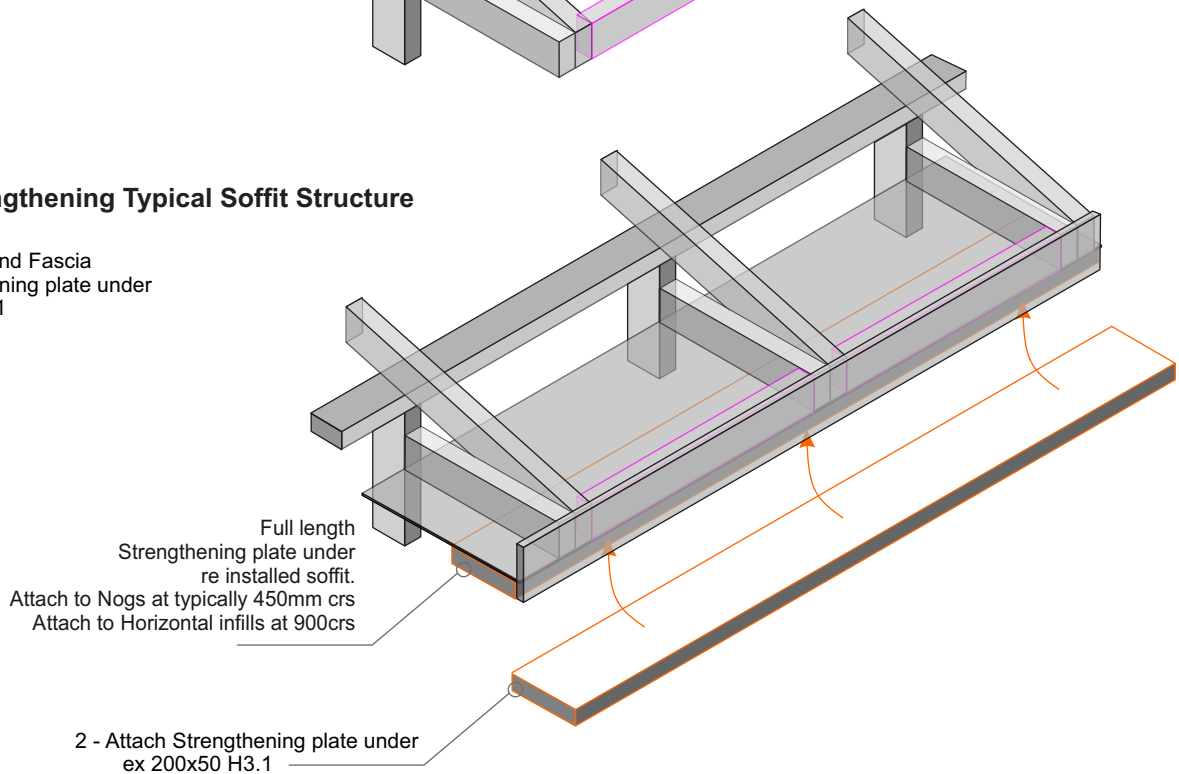
Stage 1 - Strengthening Typical Soffit Structure

- 1 - Remove Soffit and Fascia
- 2 - Attach Nogs ex 100x50 H3.1 between th Trusses + supports
Nailplates + Product nails to ea corner 3Kn



Stage 2 - Strengthening Typical Soffit Structure

- 1 - Reattach Soffit and Fascia
- 2 - Attach Strengthening plate under ex 200x50 H3.1



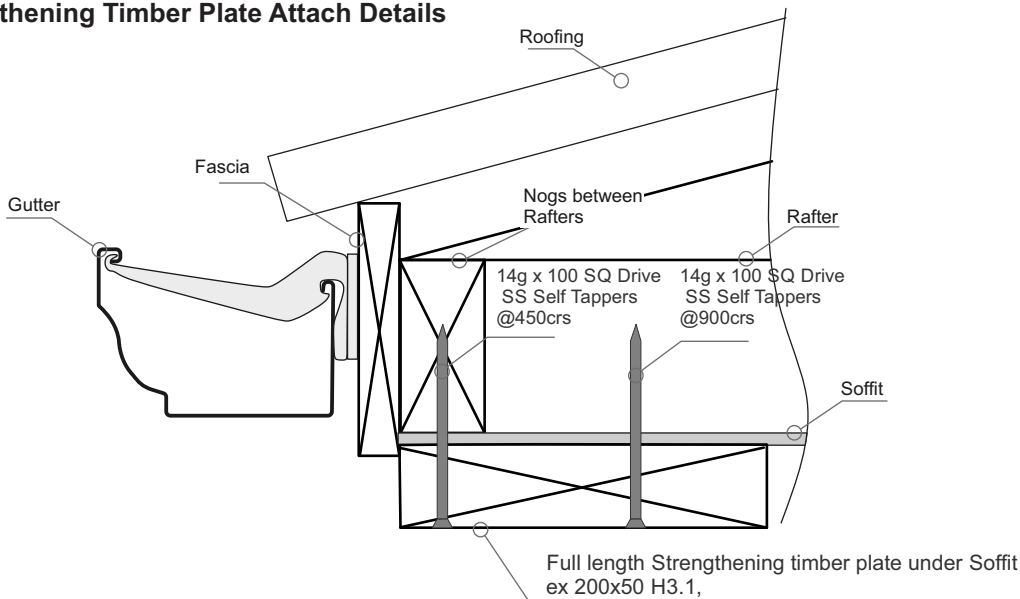
Important Installation notes:

- 1 - The Project Engineer must ensure the structure can support the appropriate loads
- 2 - Substructure shown indicatively only
- 3 - All fixings must be Stainless steel

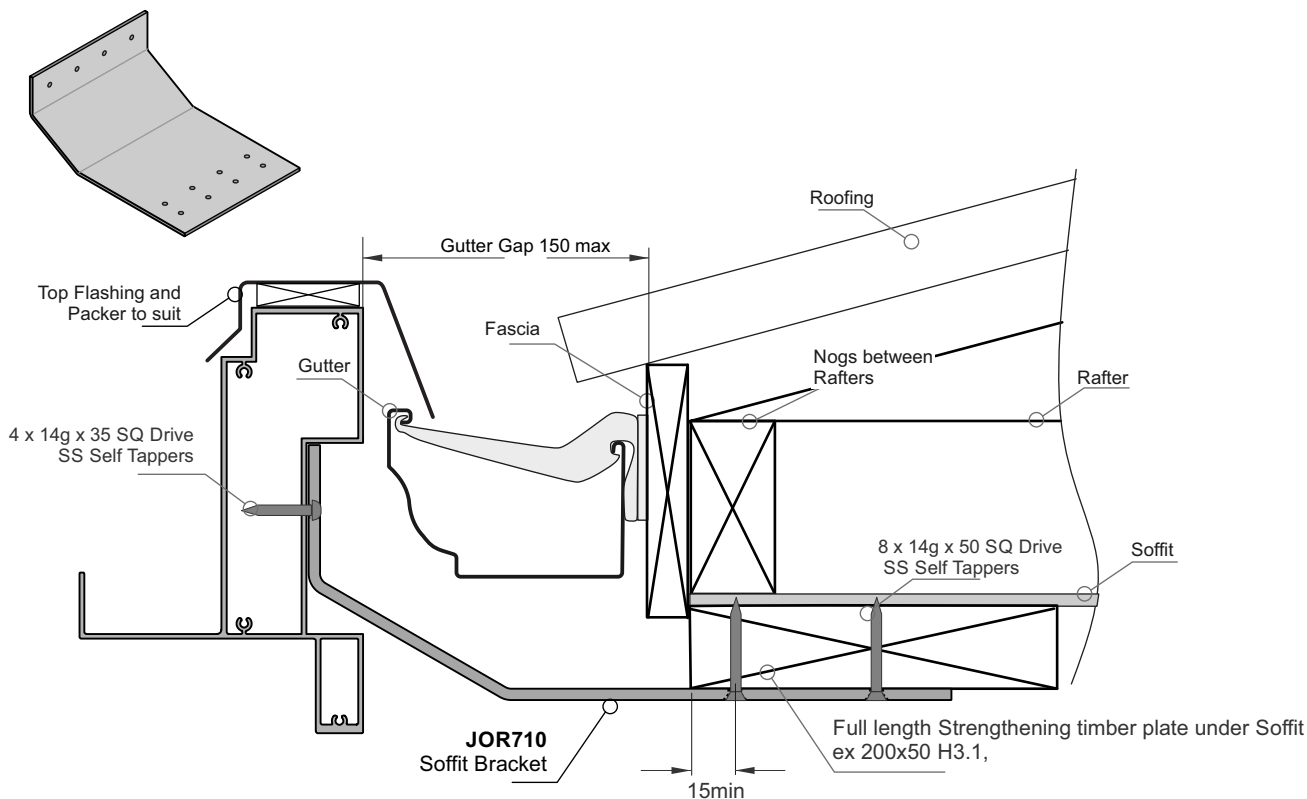
Notes:

- 1 - Applies to Soffit overhangs of 400mm or less. You will need site specific Engineering if greater than 400mm

1 - Soffit Strengthening Timber Plate Attach Details



2 - JOR710 Soffit Bracket Attach Details

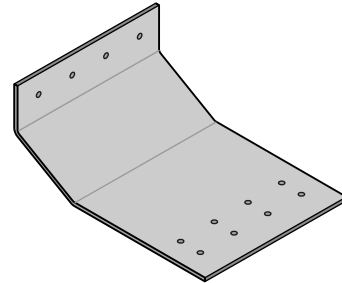


Juralco SunPivot® Outdoor Living System - Soffit Steel Brackets

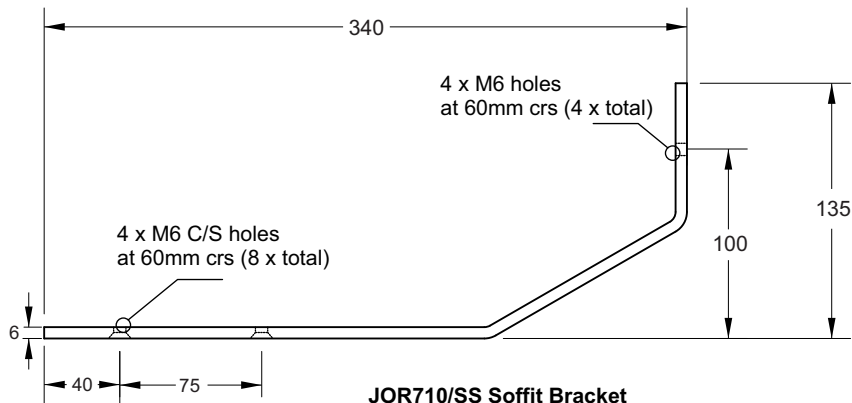
JOR710/SS Soffit Bracket. All ex 6mm Stainless Steel
 Attach the JOR710 with 4 x 14g x SQ Drive SS Self Tappers
 attached as per minimum spacings below
to a full length strenghtening plate to Nogs and Rafters

For Distributed Loads only - Louvres perpendicular to Walls

| SunPivot Max Total allowable Dimensions 4.2m Width x 5.8m Length | | |
|---|-------------------|-----------------------|
| Wind Zone | Max Roof Width. m | Max Bracket Spacing m |
| Low | 4.2 | 0.8 |
| | 3.2 | 1.0 |
| Medium | 4.2 | 0.6 |
| | 3.2 | 0.8 |
| High | 3.6 | 0.5 |
| | 2.6 | 0.8 |
| Very High | 3.6 | 0.5 |
| | 2.4 | 0.8 |
| Extra High | 2.9 | 0.5 |
| | 1.8 | 0.8 |



JOR710/SS Soffit Bracket
 All ex 6mm SS
 300 wide x 135 high x 340 deep



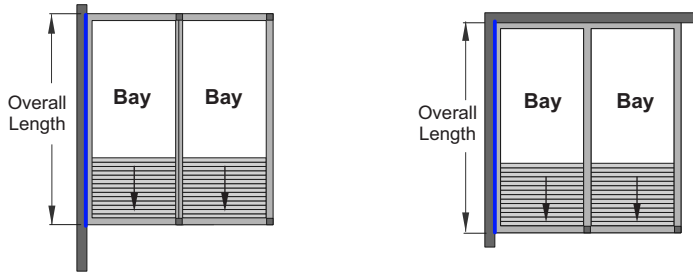
JOR710/SS Soffit Bracket
 All ex 6mm SS
 250 wide x 135 high x 340deep

NOTE : Only applicable to Louvres perpendicular to Wall ie Distributed Load, Wall (or Soffit Attach)

Important Installation notes:

- 1 - The Project Engineer must ensure the structure can support the appropriate loads
- 2 - Substructure shown indicatively only
- 3 - All fixings must be Stainless steel

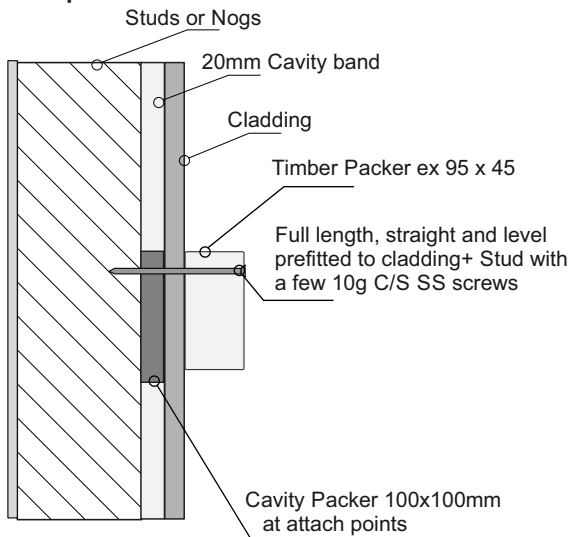
This for JOR/807 Narrow Beam Only attached to a Wall



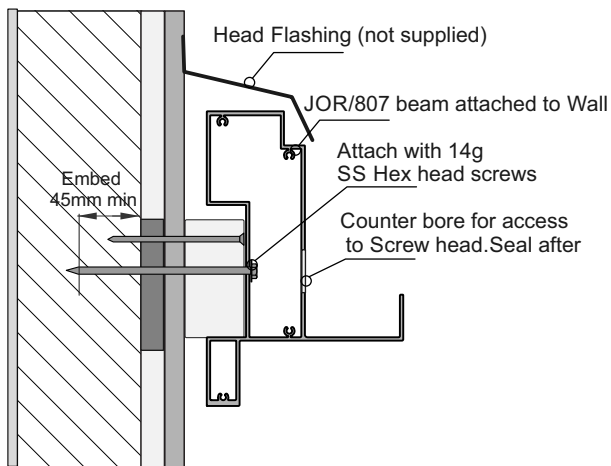
Blue lines show Distributed load - Timber fixings

Cavity Fixing

Step 1

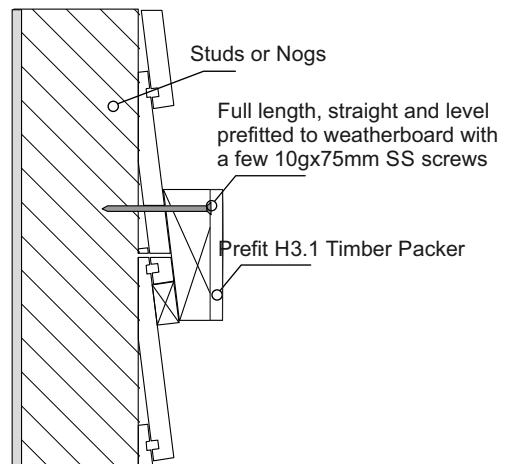


Step 2

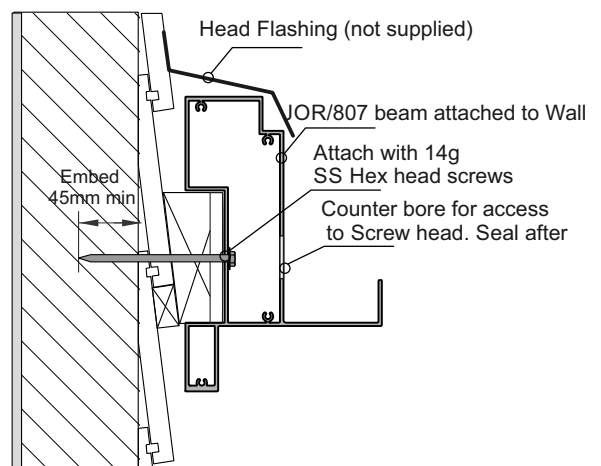


Direct to Weatherboard Fixing

Step 1



Step 2

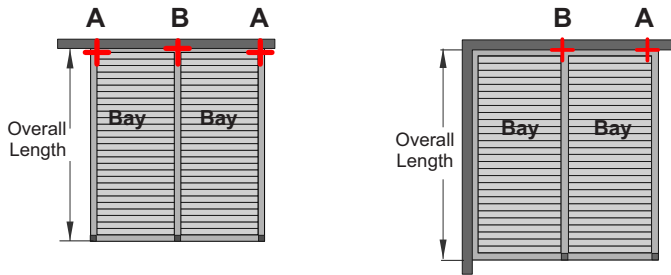


NOTE : Only applicable to Louvres aligned to Wall ie Point Load, Wall (or Soffit Attach)

Important Installation notes:

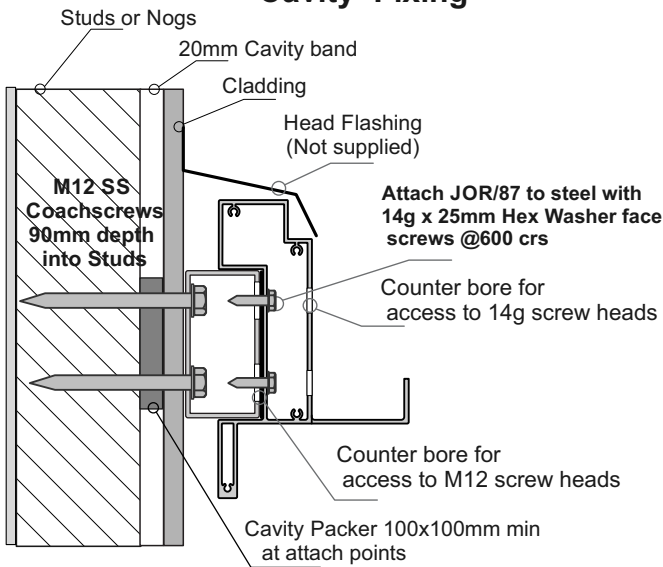
- 1 - The Project Engineer must ensure the structure can support the appropriate loads
- 2 - Substructure shown indicatively only
- 3 - All fixings must be Stainless steel

**This for JOR/807 Narrow Beam Only.
attached to a Wall**

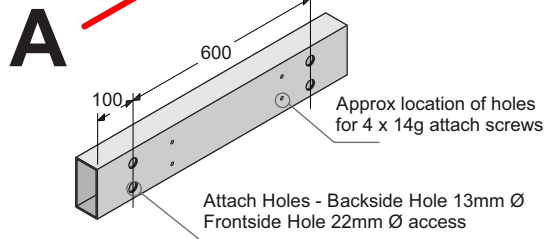


Red Cross show Point load - Steel fixings

Cavity Fixing

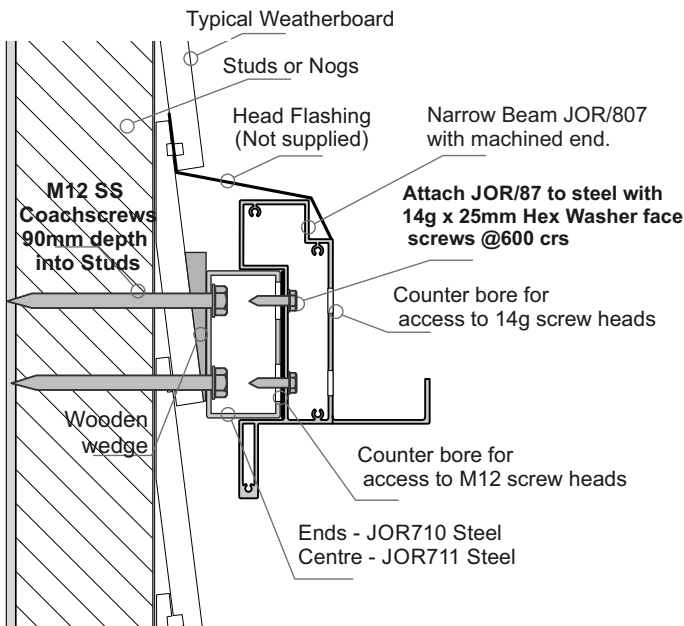


Ends - Attach to Wall
JOR710

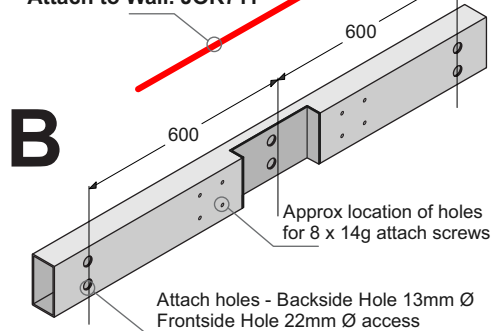


JOR710 Steel RHS 100 x 50 x 3 x 0.8m. Duragalv securely screwed to studs or lintel with 4 x M12 SS Coachscrews. Drill attach holes to line up with studs (if needed) or use existing holes into lintel. Mount hard into JOR/807 beam corners

Direct to Weatherboard Fixing



Twin Bay Centre
Attach to Wall. JOR711



JOR711 Steel RHS 100 x 50 x 3 x 1.4m. HD Galv securely screwed to studs or lintel with 6 x M12 SS Coachscrews. Drill attach holes to line up with studs (if needed) or use existing holes into lintel

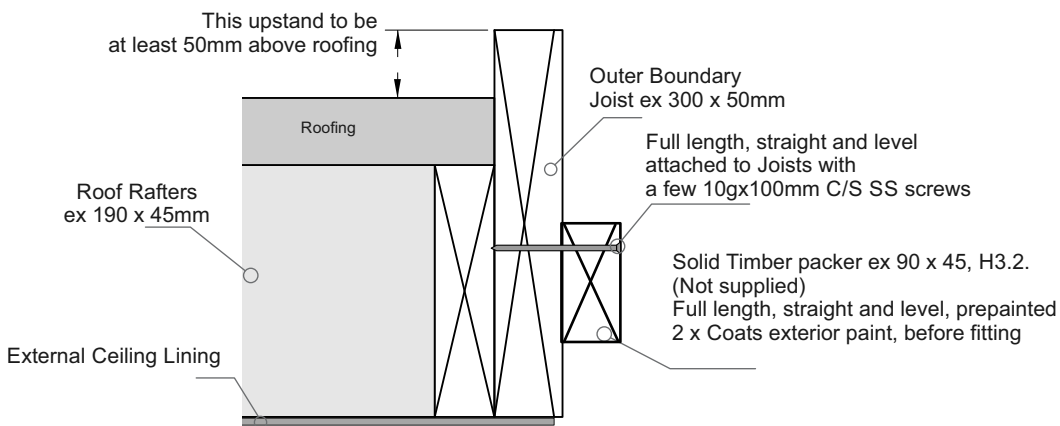
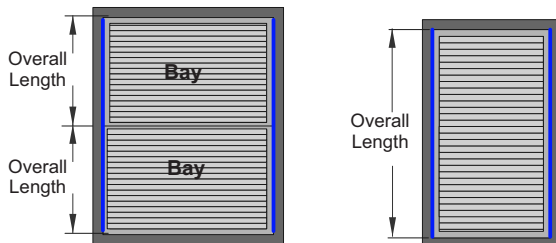
NOTE : Only applicable to Louvres perpendicular to Wall ie Distributed Load, Wall (or Soffit Attach)

Important Installation notes:

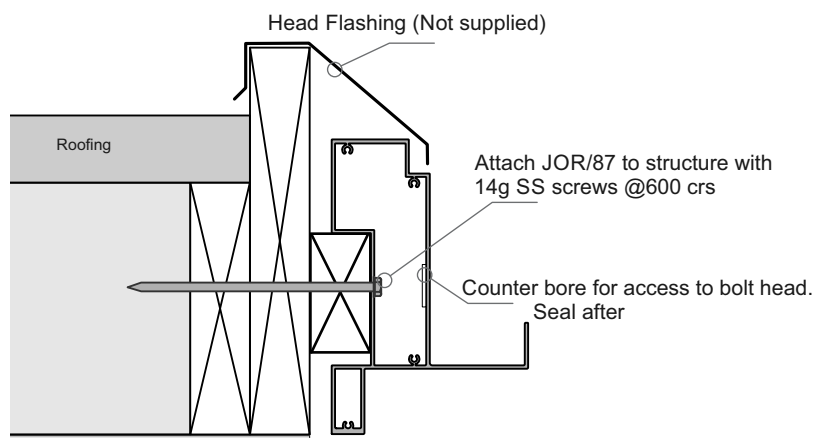
- 1 - The Project Engineer must ensure the structure can support the appropriate loads
- 2 - Substructure shown indicatively only
- 3 - All fixings must be Stainless steel

This for JOR/807 Narrow Beam Only.
as an Intergrated Structure

————— Blue lines show Distributed load - Timber fixings —————



Typical Integrated Roof Construction. Boundary joists all very firmly attached to Roof rafters. Engineer to check structure



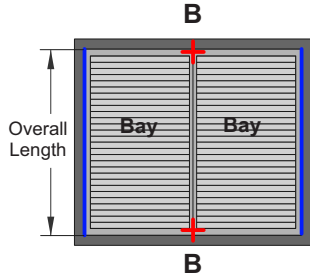
Recommended Integrated Roof attachment to structure

NOTE : Only applicable to Louvres aligned to Wall ie Point Load, Wall (or Soffit Attach)

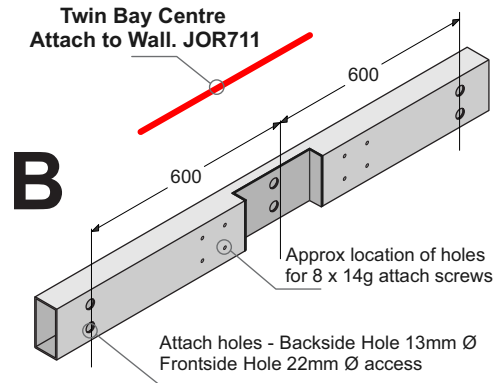
Important Installation notes:

- 1 - The Project Engineer must ensure the structure can support the appropriate loads
- 2 - Substructure shown indicatively only
- 3 - All fixings must be Stainless steel

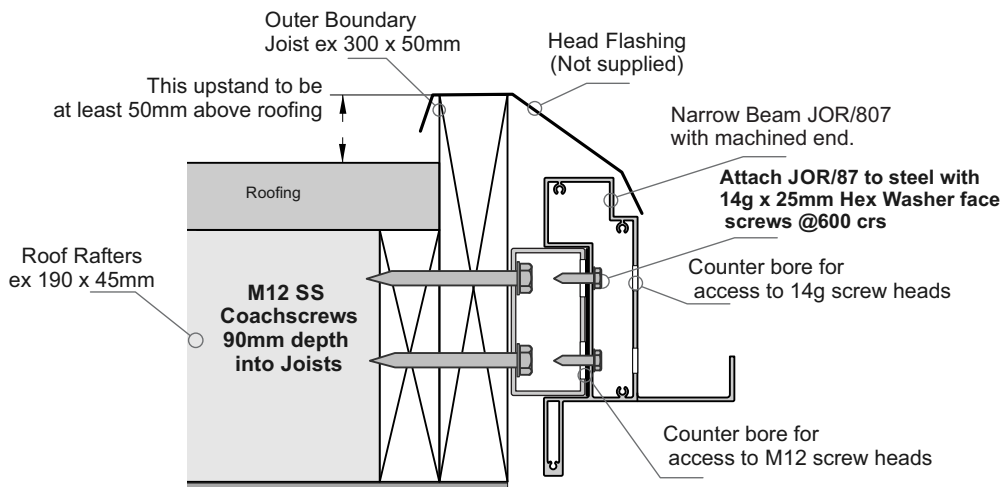
This for JOR/807 Narrow Beam Only.
as Intergrated Structure



Red Cross show Point load - Steel fixings



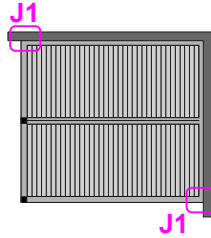
JOR711 Steel RHS 100 x 50 x 3 x 1.4m. HD Galv securely screwed to studs or lintel with 6 x M12 SS Coachscrews. Drill attach holes to line up with studs (if needed) or use existing holes into lintel



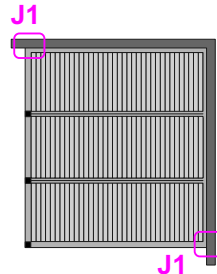
Juralco SunPivot® Outdoor Living System - Joint Assemblies



Single Bay, 2 x Posts
One Wall Series



2 x Bay, 2 Posts
Two Wall Series



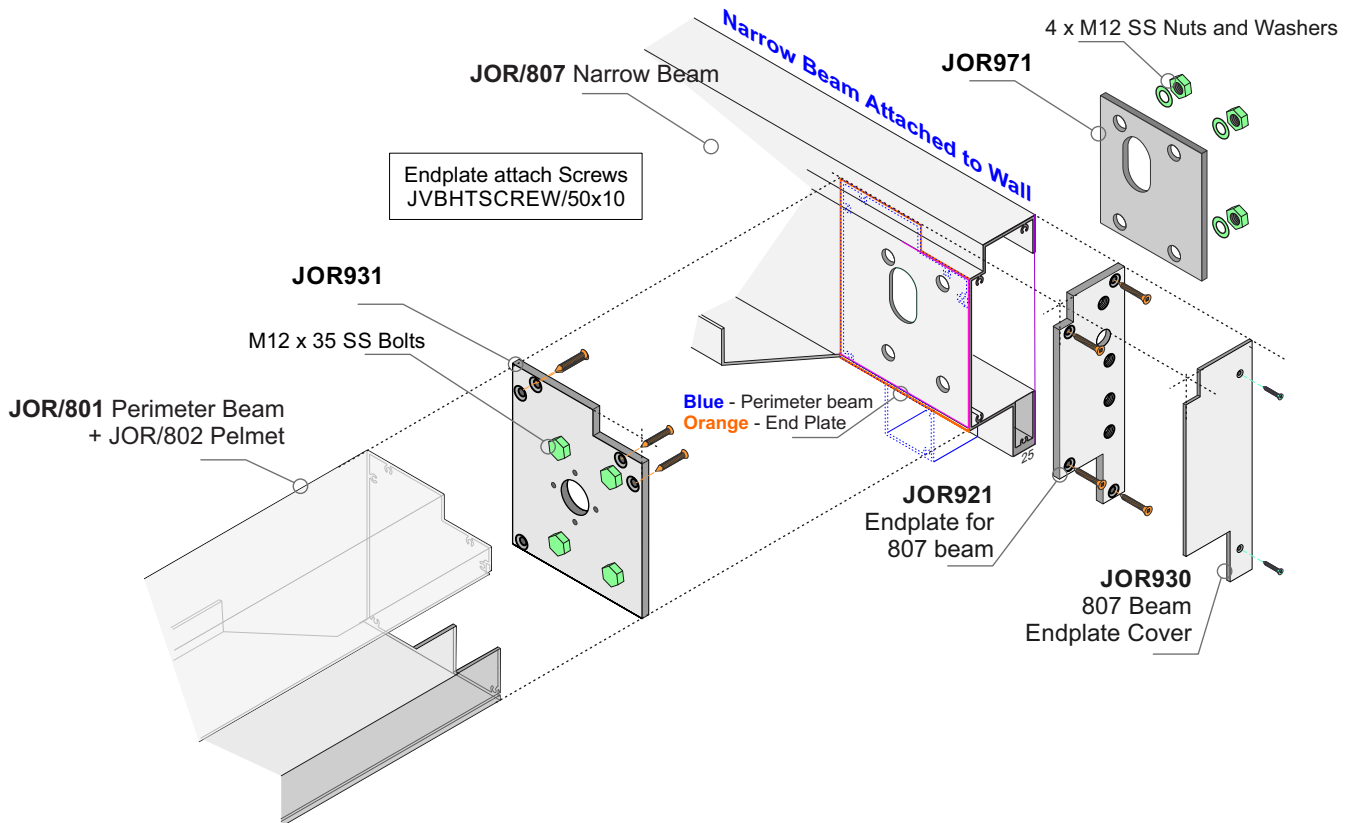
3 x Bay, 3 Posts
Two Wall Series

A Selection of some Layouts using Joint 1

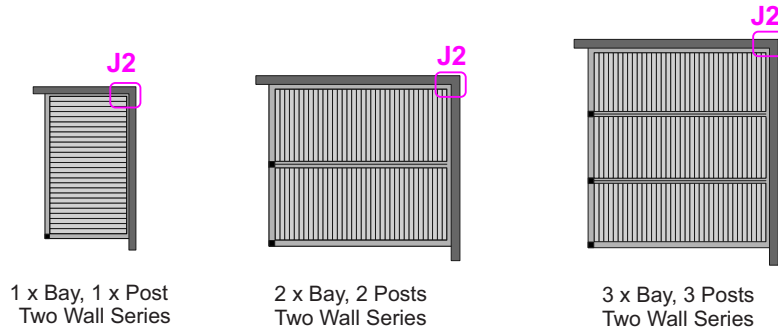
If Point load
use Steel Bracket A
Inside the Narrow Beam

JOINT 1

Perimeter Beam meets
a Narrow beam at a Wall
Can be RH or LH



Juralco SunPivot® Outdoor Living System - Joint Assemblies

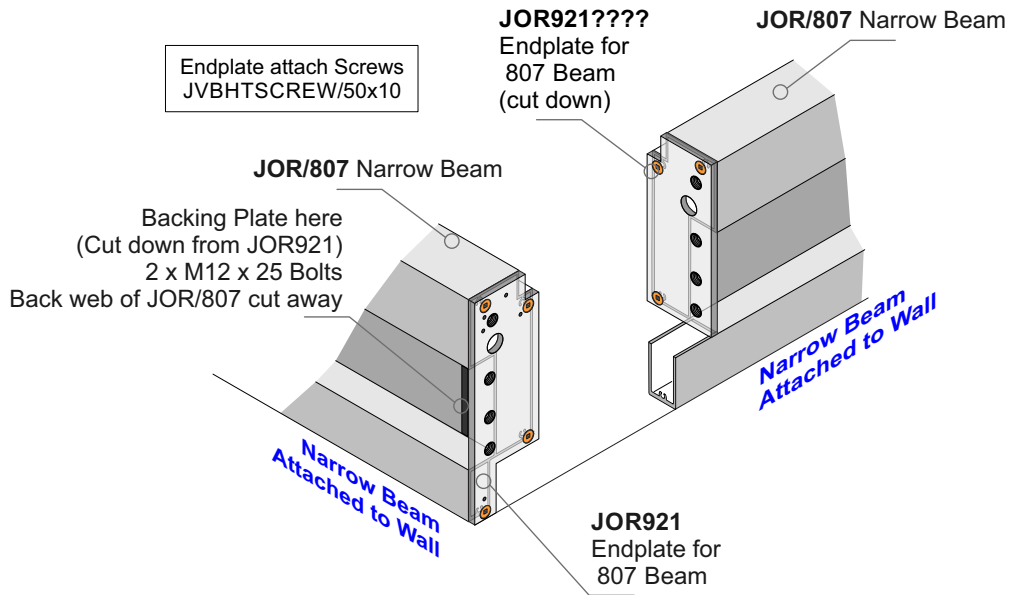


A Selection of some Layouts using Joint 2

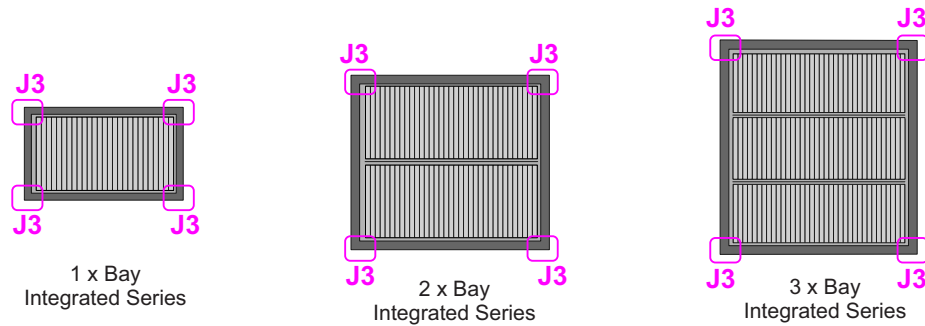
If Point load
use Steel Bracket A
Inside the Narrow Beam

JOINT 2

Narrow Beam meets
a Narrow beam on Walls.
Can be RH or LH



Juralco SunPivot® Outdoor Living System - Joint Assemblies

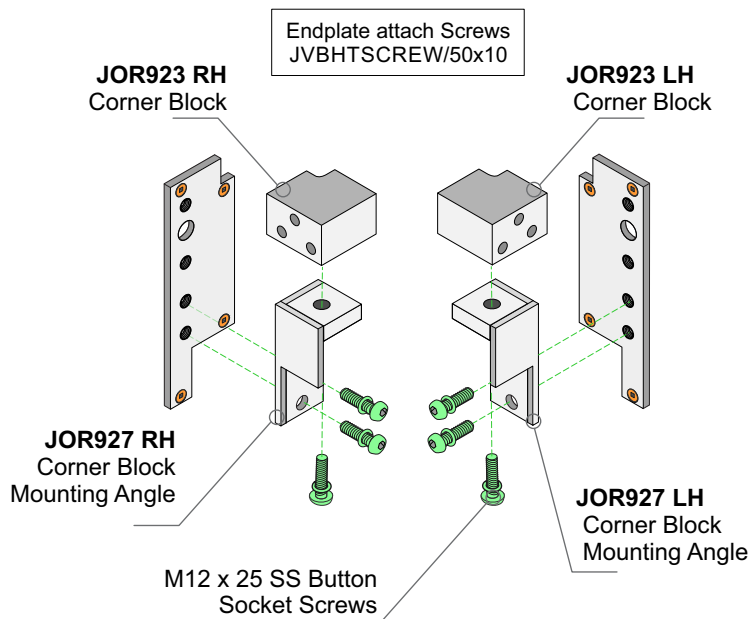
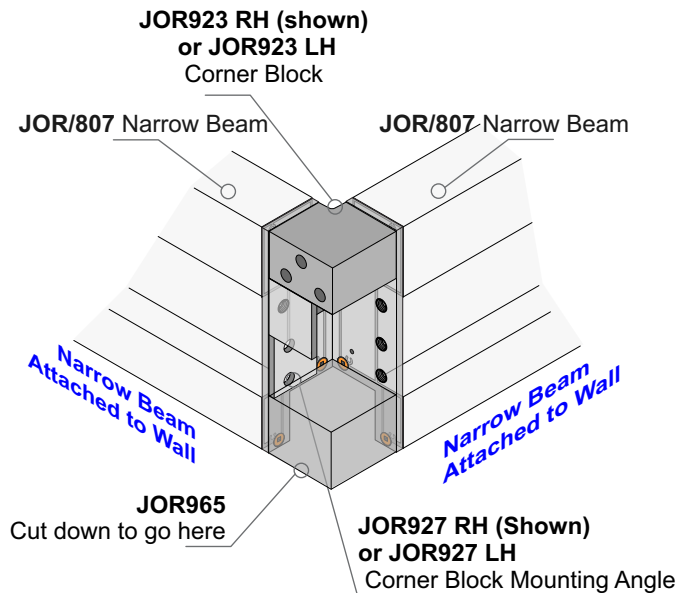


A Selection of some Layouts using Joint 3

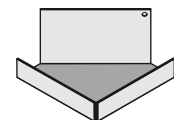
If Point load
use Steel Bracket A
Inside the Narrow Beam

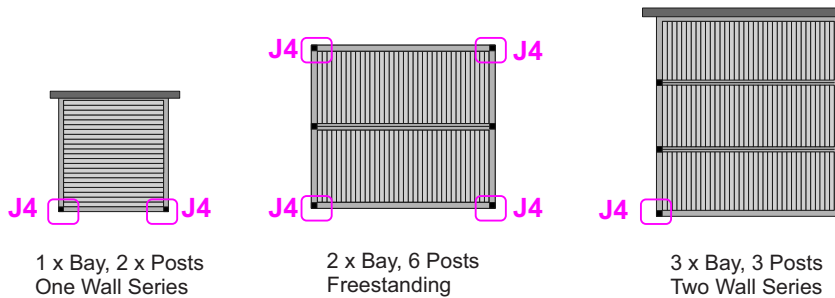
JOINT 3

Narrow Beam meets
a Narrow beam on Walls
(Integrated only. RH, LH identical))



Integrated Outlet
Corner Infill JOR966
75x75x45

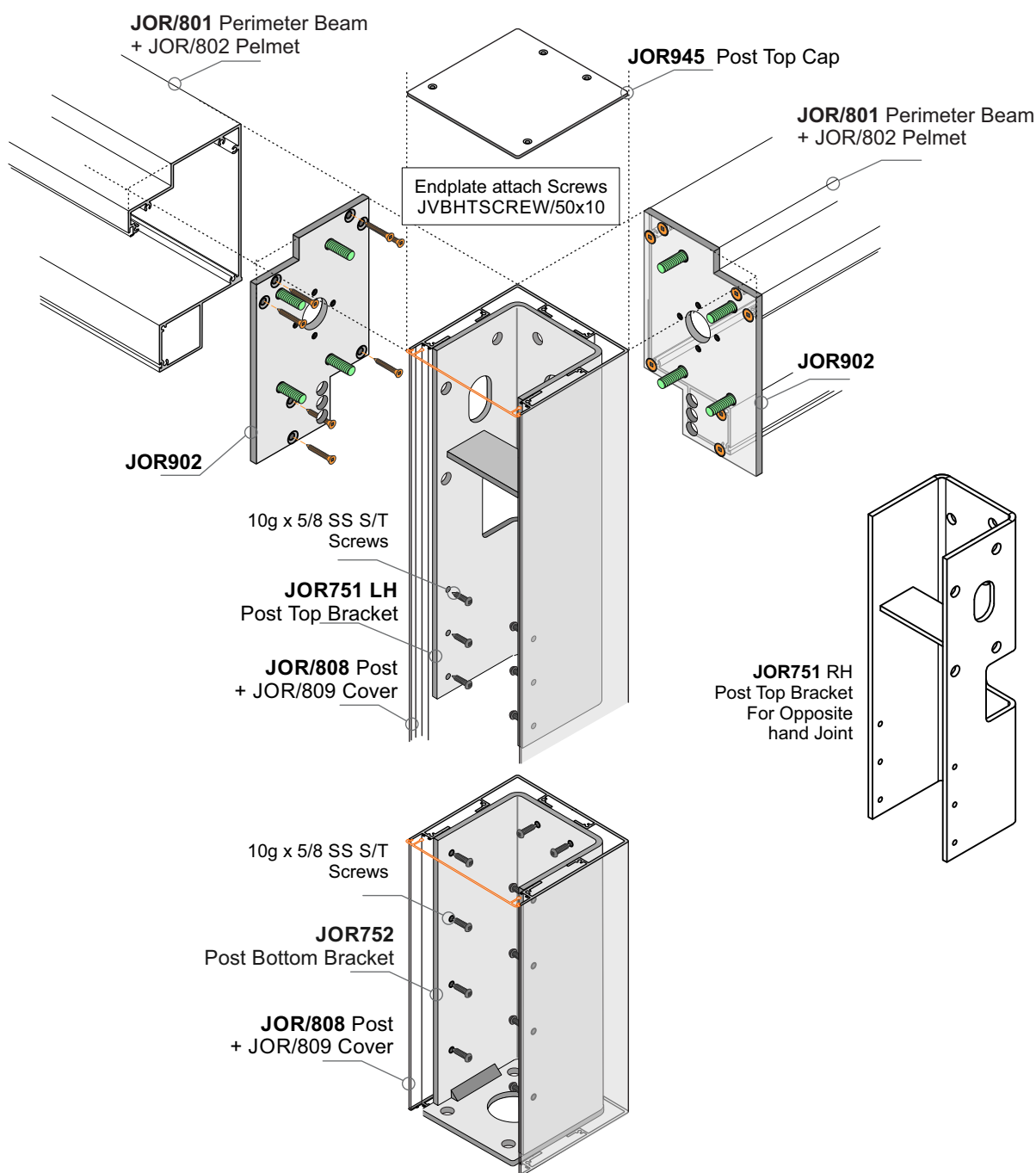




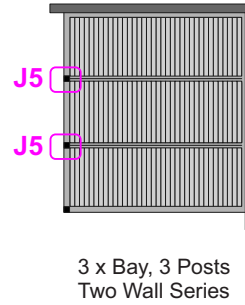
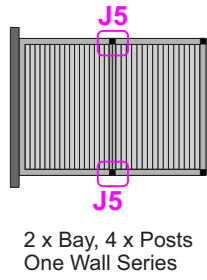
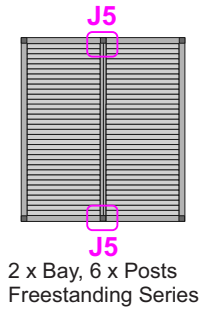
A Selection of some Layouts using Joint 4

JOINT 4

Perimeter Beam to Perimeter Beam
at a Corner, using a Post
Can be RH or LH



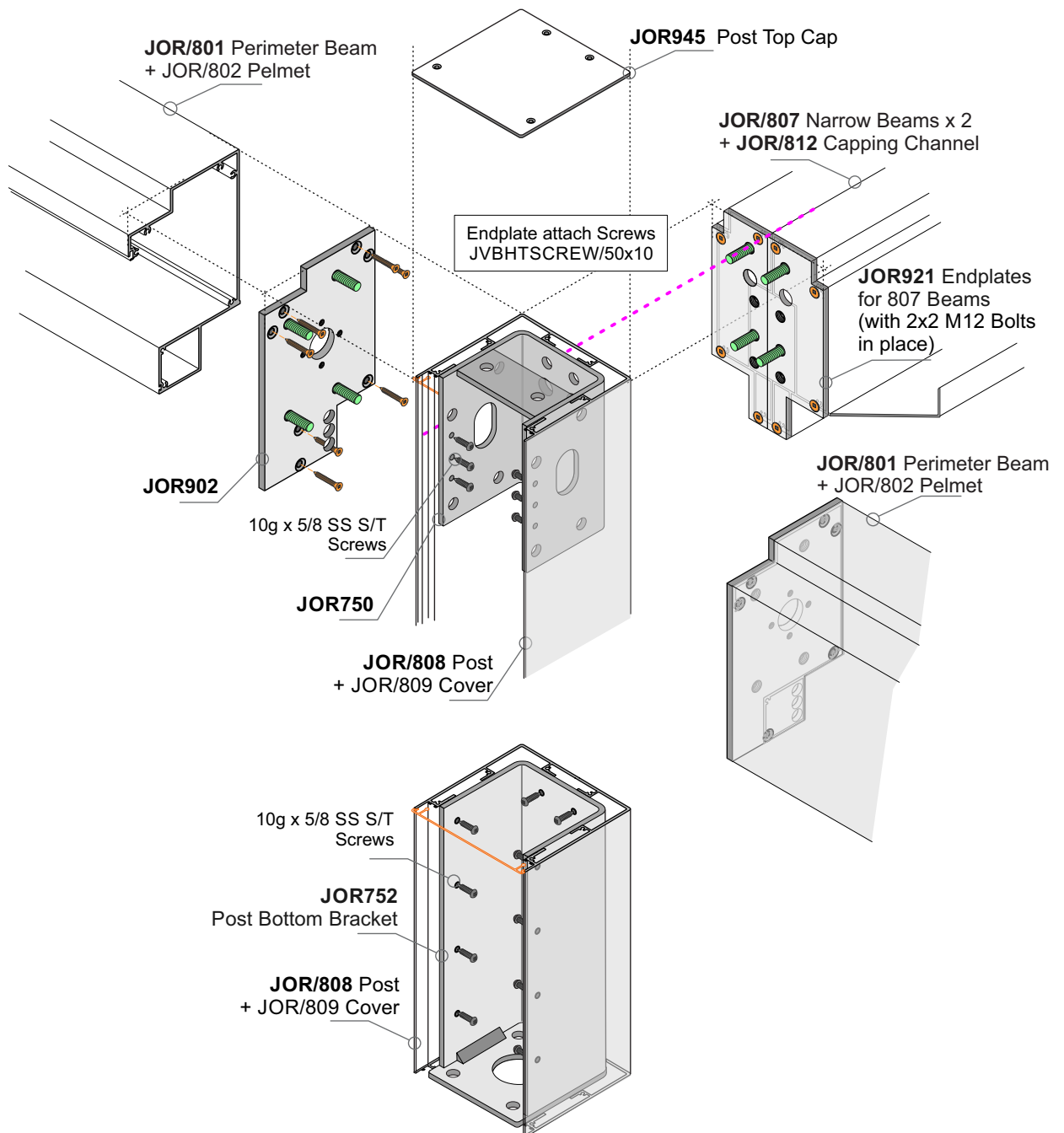
Juralco SunPivot® Outdoor Living System - Joint Assemblies



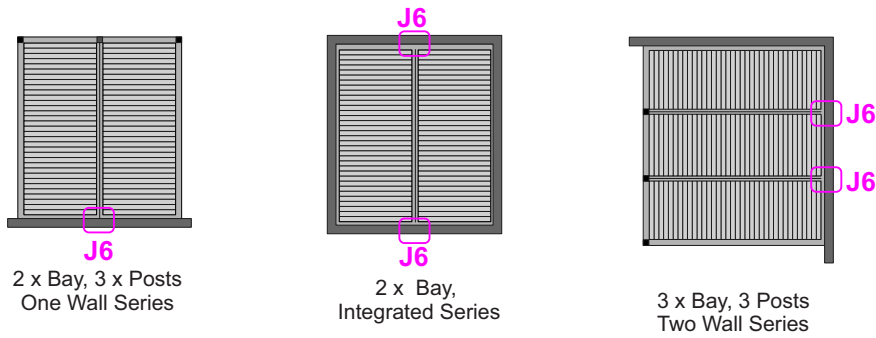
A Selection of some Layouts using Joint 5

JOINT 5

Perimeter Beams x 2
to Twin Narrow Beams (using a Post)
RH, LH Identical



Juralco SunPivot® Outdoor Living System - Joint Assemblies

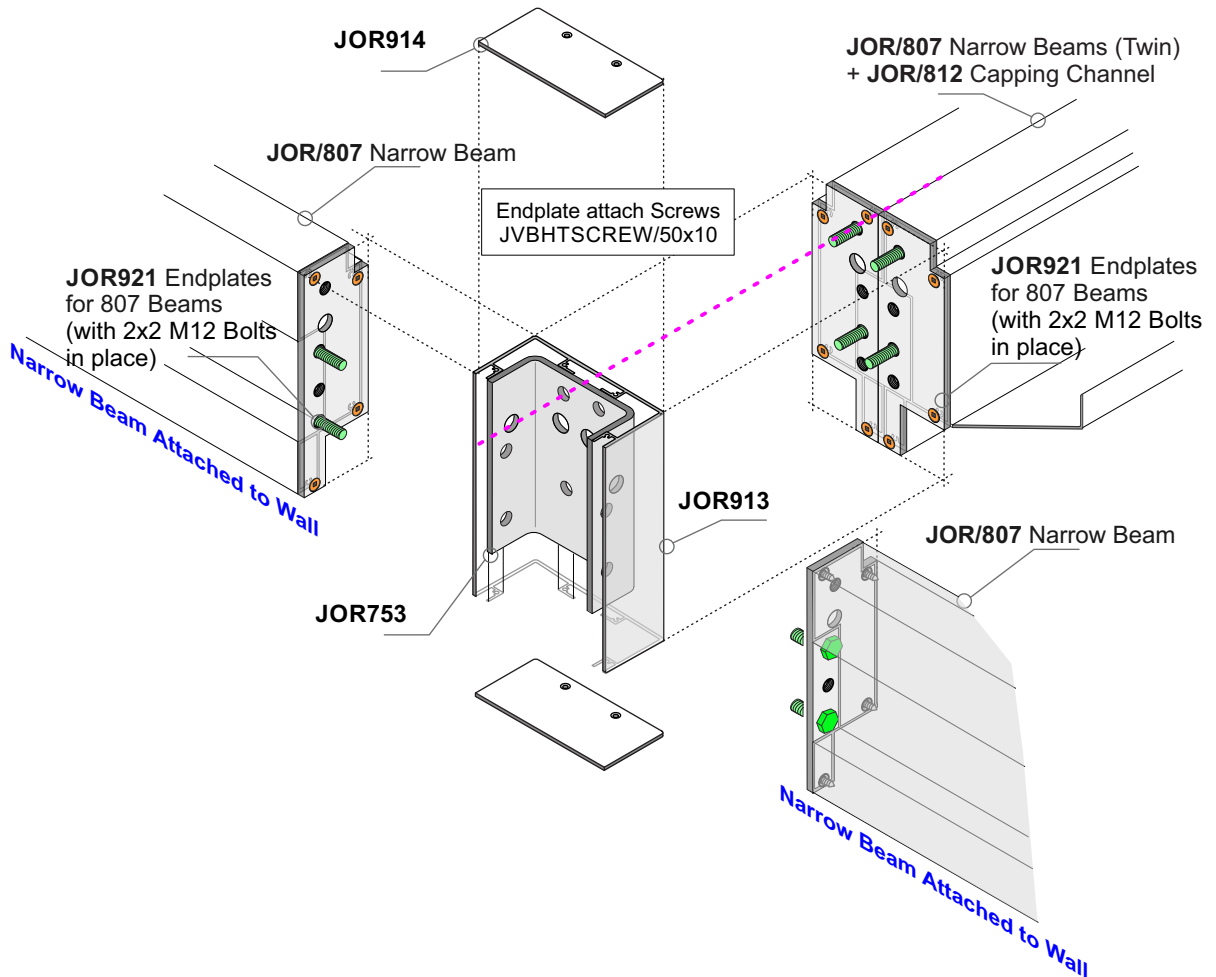


A Selection of some Layouts using Joint 6

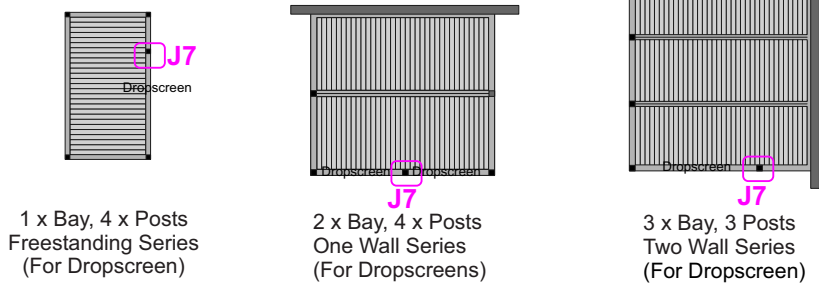
If Point load
use Steel Bracket B
Inside both Narrow Beams

JOINT 6

Narrow Beams x 2 (Wall mounted)
to Twin Narrow Beams (No Post)
RH, LH Joints identical



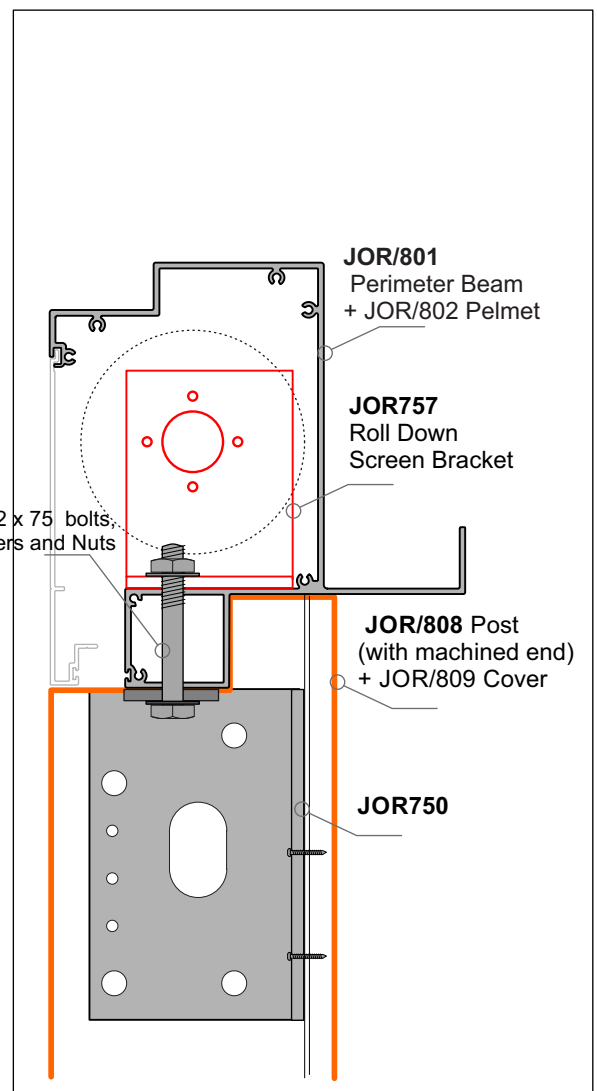
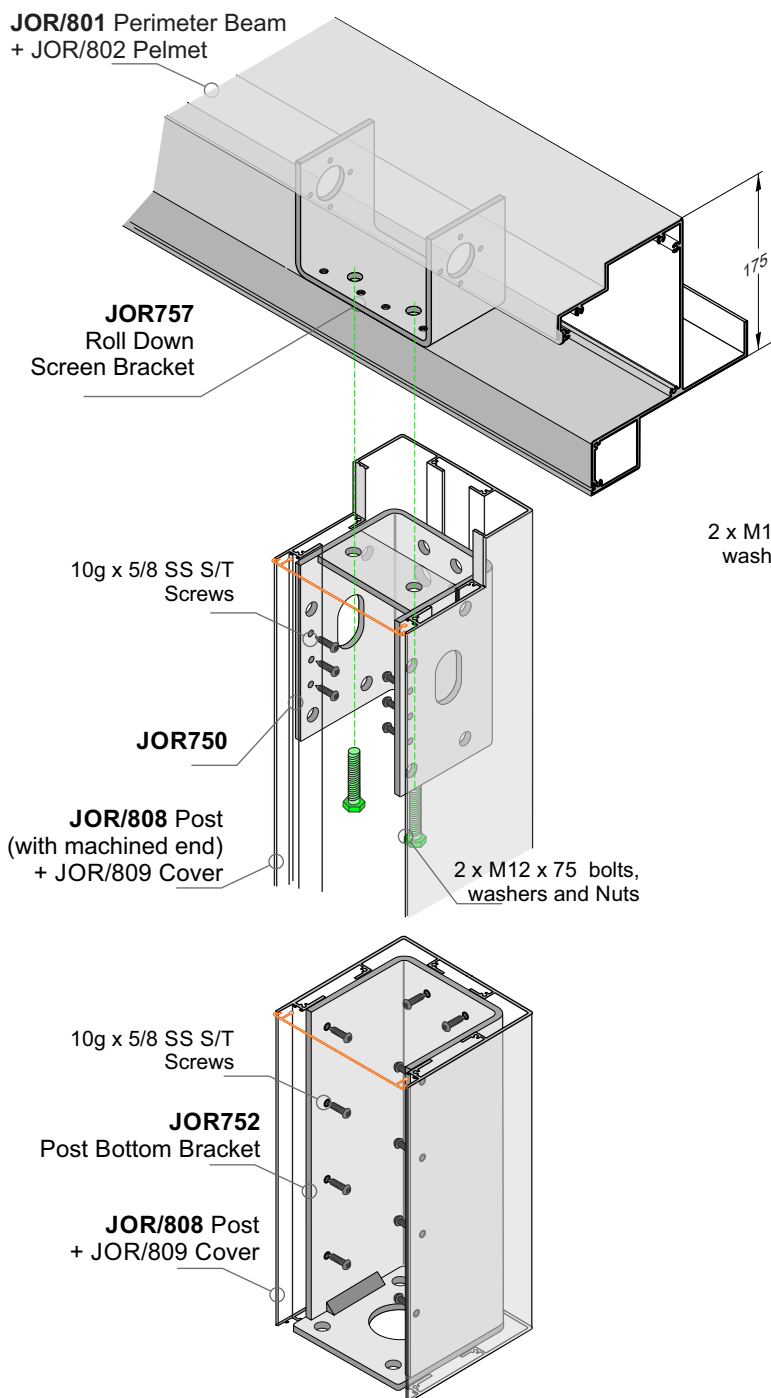
Juralco SunPivot® Outdoor Living System - Joint Assemblies



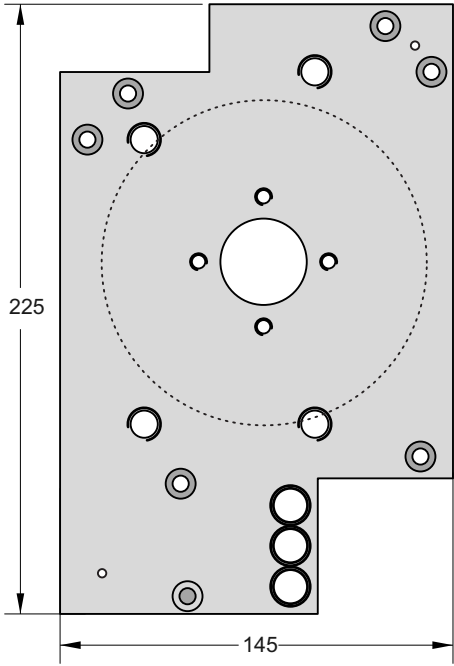
A Selection of some Layouts using Joint 7

JOINT 7

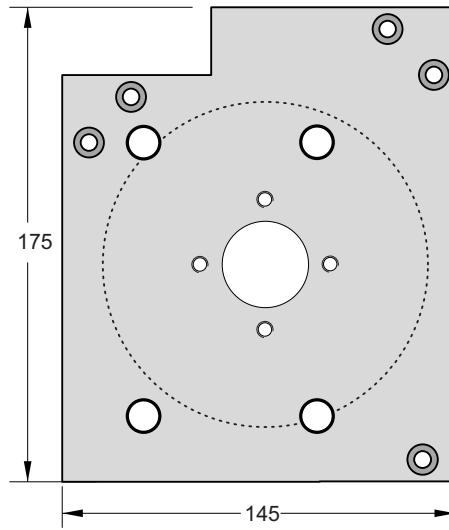
Intermediate Post to a Perimeter Beam
as a Dropscreen Guide
RH, LH Joints identical



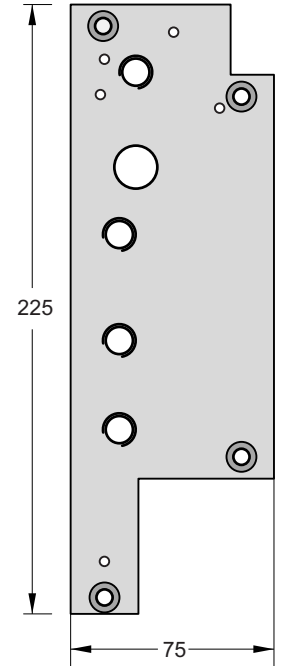
Juralco SunPivot® Outdoor Living System - Components



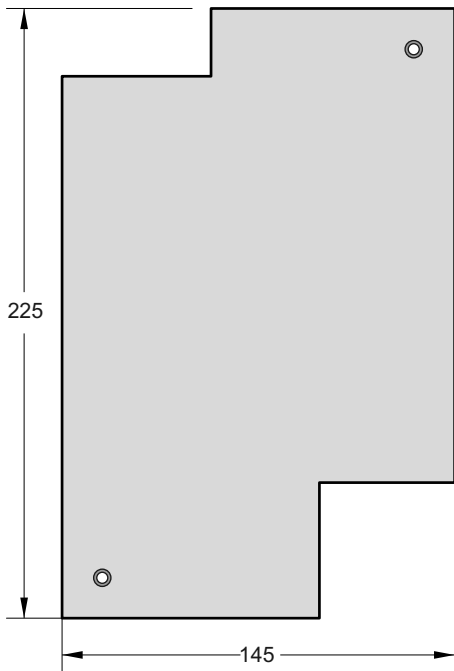
JOR902 Endplate 801 Beam



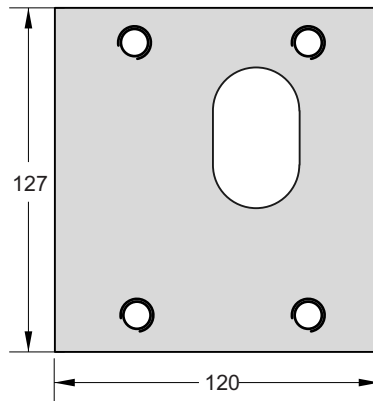
JOR931 Endplate 801- 807 Beams Joint



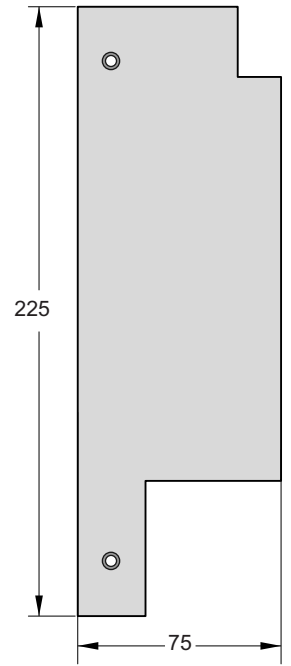
JOR921 Endplate 807 Beam



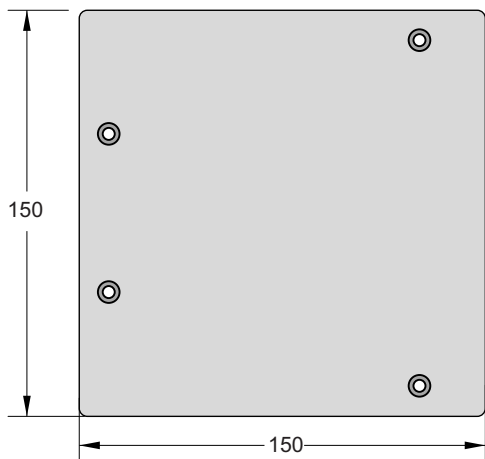
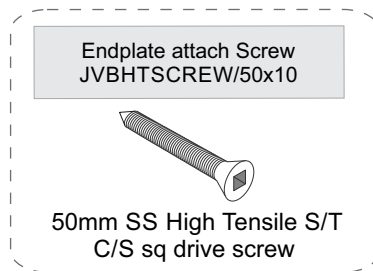
JOR972 Endplate Cover 801



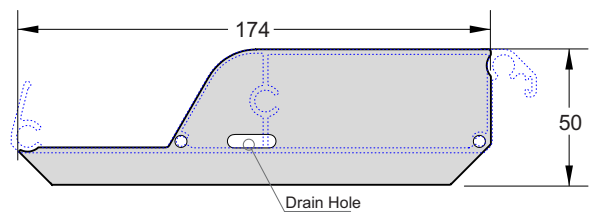
JOR971 Backplate for Beam Joints



JOR930 Endplate Cover 807

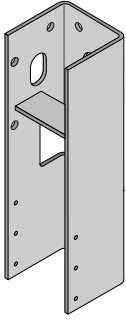


JOR945 Post Top Cap

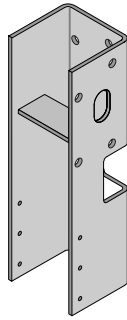


JOR611 SP Louvre End Cap

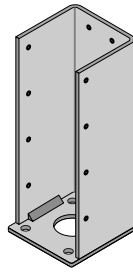
Juralco SunPivot® Outdoor Living System - Components



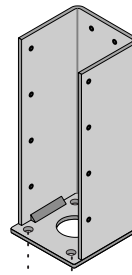
JOR751 LH
Post Top Bracket



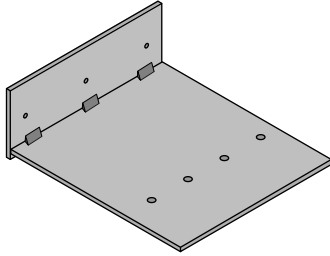
JOR751 RH
Post Top Bracket



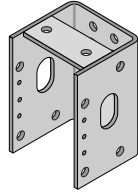
JOR752
Post
Bottom Bracket



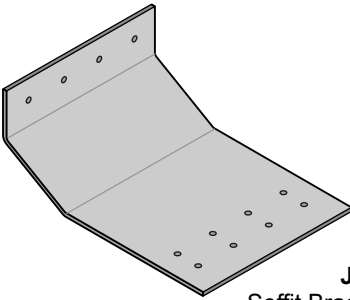
JOR755 Base plate
For JOR752 or 760 Post
150x272x12mm



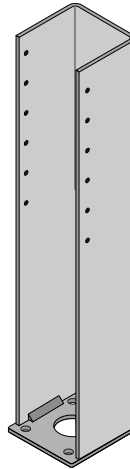
JOR708
Soffit Bracket. (Old style)



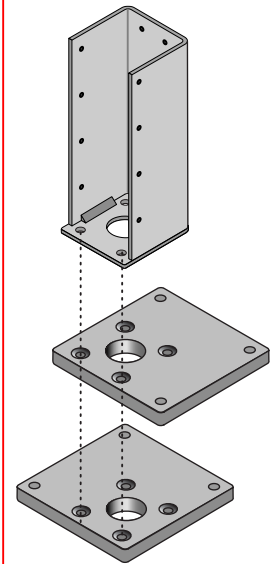
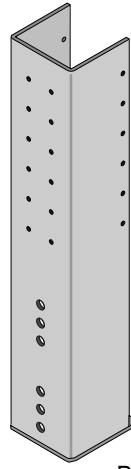
JOR750
MB Post
Top Bracket



JOR710
Soffit Bracket. (New style)



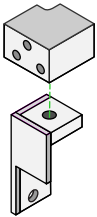
JOR760
Post
Bottom Bracket
Tall, Wide Base



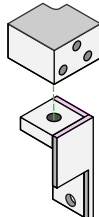
JOR756 Base plate
For JOR752 or 760 Post
211sqx12mm
(Flip base plate
for alternative fastening)

SS PS1 required
to use this Baseplate

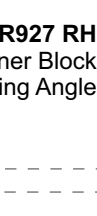
JOR923 RH
Corner Block



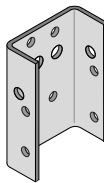
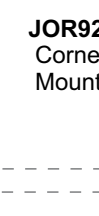
JOR923 LH
Corner Block



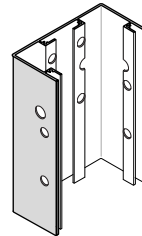
JOR927 RH
Corner Block
Mounting Angle



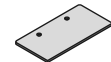
JOR927 LH
Corner Block
Mounting Angle



JOR753
Half Wall
Joiner Bracket



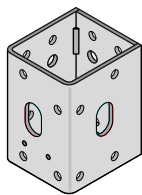
JOR913
Half Wall
Bracket Cover



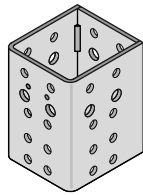
JOR914
Half End Caps

For use with all Multiple Bays joining Wall Narrow Beams 807+807 to Twin 807 Beams running across

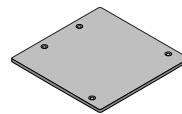
For use with
Multiple Bays
Custom
3 and 4 Bay
layouts



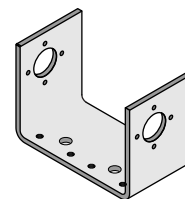
JOR758
Post Jointer Brkt
3 x Bay



JOR759
Post Jointer Brkt
4 x Bay

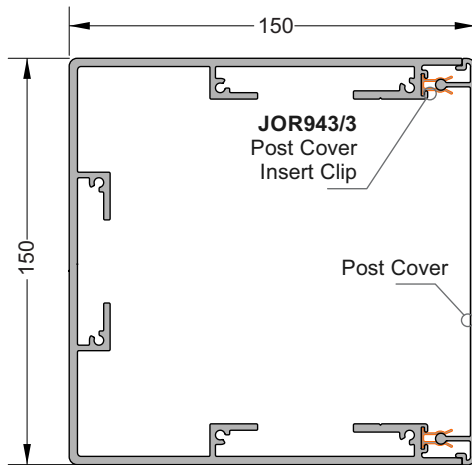
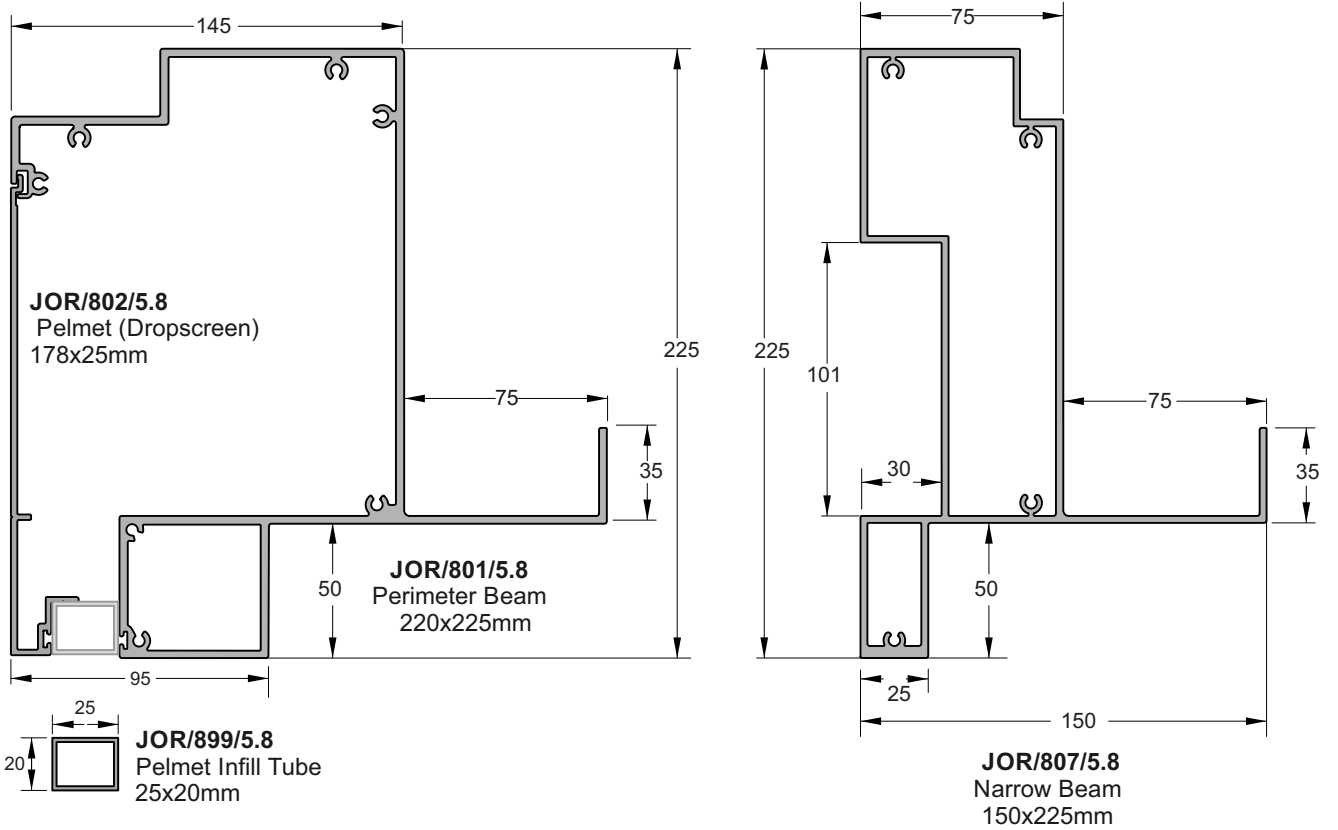


JOR945
3/4 Bay
Post Joiners
Top Cap



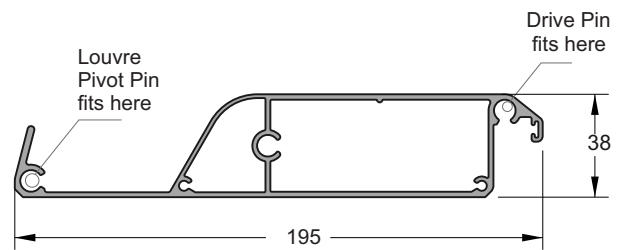
JOR757
Roll Down
Screen
Bracket

Juralco SunPivot® Outdoor Living System - Extrusions

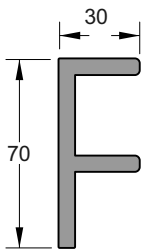


POST and COVER combined 150mm sq

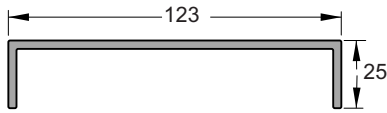
JOR/808/5.5 Post 145x150mm
and **JOR/809/5.5** Post Cover 5x150mm



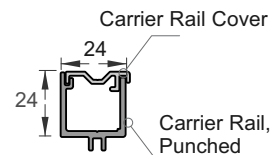
JOR/818N/3.85 and **JOR/818N/5.85**
Louvre 195x38mm



JOR/811P/5.8
Drive Angle, Punched
70x30x6mm

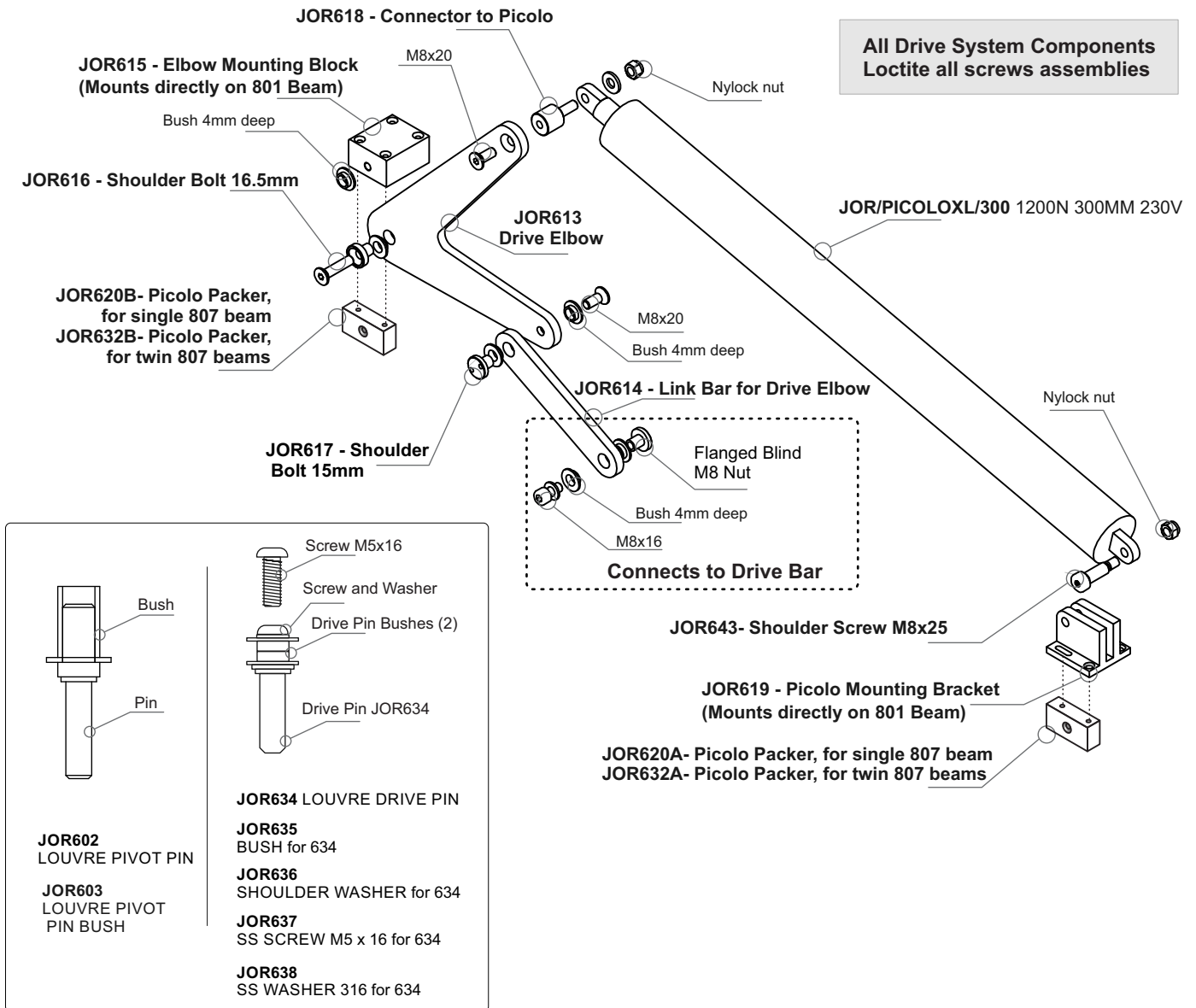


JOR/812/5.8
Capping Channel
123x25x2mm

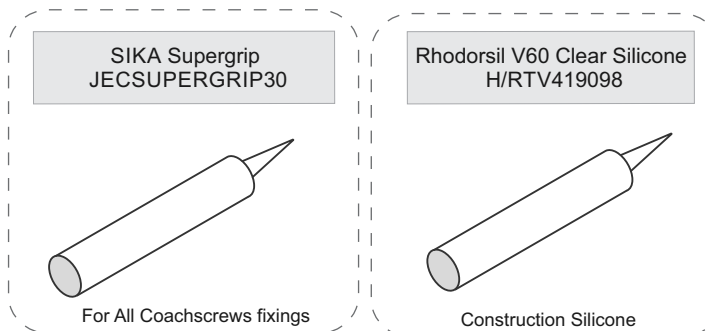


JOR/504/5.8 Carrier Rail Cover
and **JOR/503P/5.8** Carrier Rail Punched

Juralco SunPivot® Outdoor Living System - Drive System Components

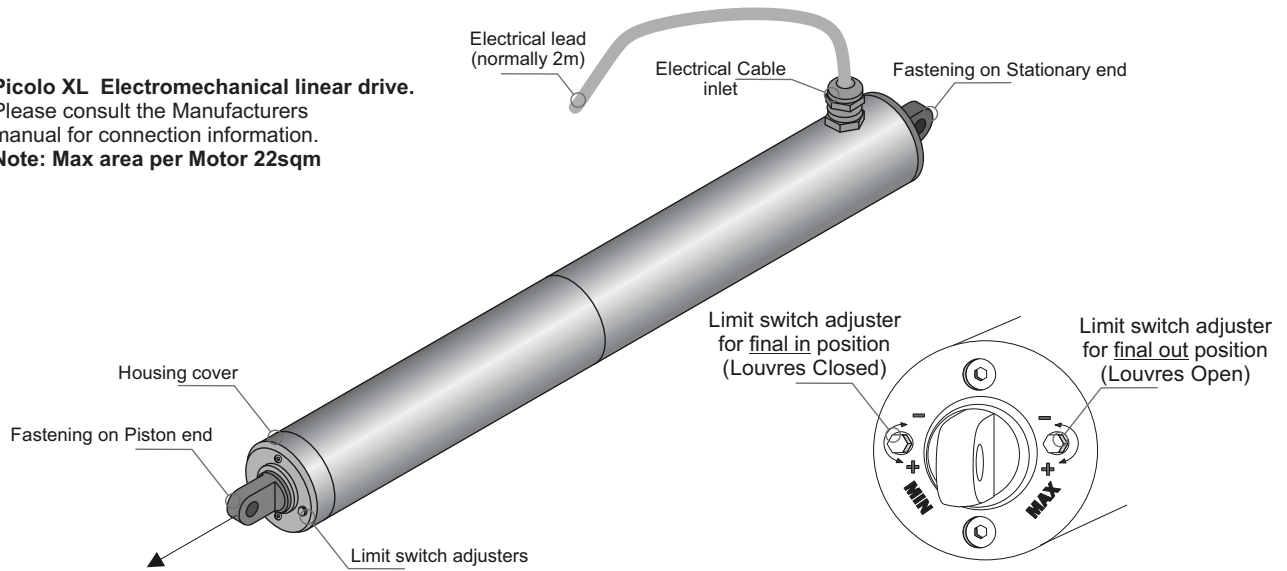


Juralco SunPivot® Outdoor Living System - Misc Components



Juralco SunPivot® Outdoor Living System - Electrical, Motor Actuator

Piccolo XL Electromechanical linear drive.
Please consult the Manufacturers manual for connection information.
Note: Max area per Motor 22sqm



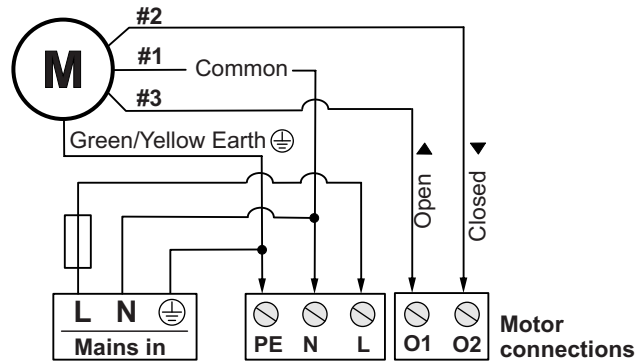
- Before adjusting the limit switches, the piston rod must be moved several centimeters away from the position to be set.
- Factory setting: The limit switches have been preset to the dimensions defined in the order confirmation.

If any other dimensions are required, proceed as described below.

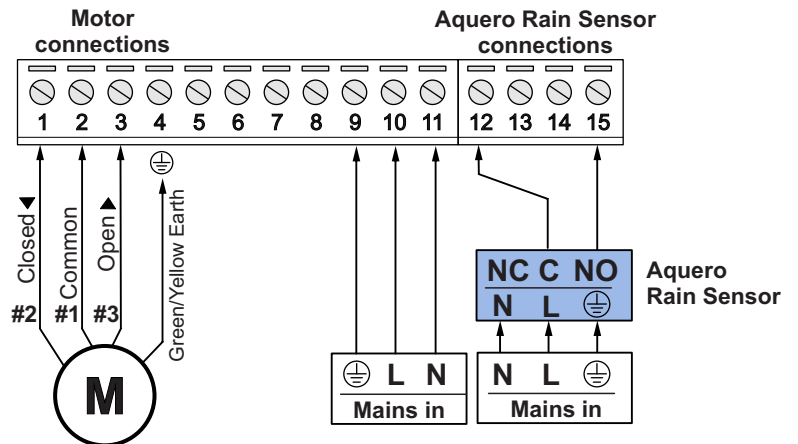
The two limit switch setting screws are located on the cover of the piston side of the device.

1. Move the piston rod a few centimetres away from the targeted limit switch position.
2. Adjust the limit switch (+/-).
3. Move the drive back to the limit switch.
4. Repeat the process until the desired dimension is reached.

1 - No Rain sensor. Connections to SunFold Motor



2 - Incl Aquero Rain sensor. Connections for TT4 to SunFold Motor



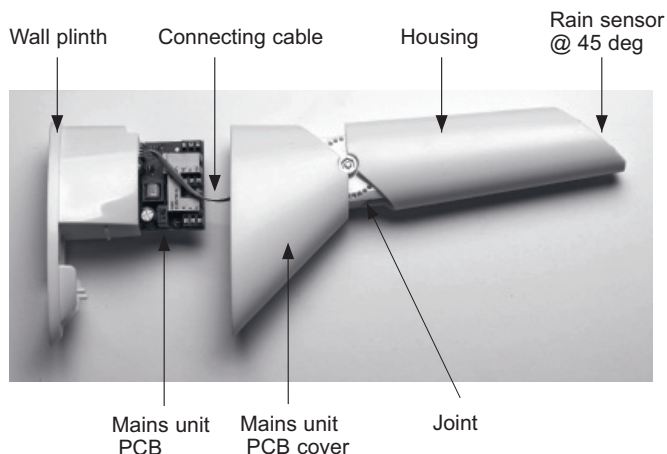
Juralco SunPivot® Outdoor Living System - Electronic Components

Aquero Rain Sensor

- For automatically closing Louvres at start of Rain
- For Hard wiring only to JNICE/TT4

Notes: Mount the Aquero close to the system to be protected. Make sure that the sensor surface is completely open to rain from above.

The Housing should be set so the Rain sensor surface will be at the correct angle of approx 45°



Installation Notes.

The Rain sensor must be mounted on a Vertical wall

1. Pull the mains unit PCB cover off the Wall plinth.
2. Pull the mains unit PCB carefully out of the Wall plinth.
3. Fix the Wall plinth in the desired mounting position using the screws and dowels provided.
4. Switch off the mains voltage
5. Connect the Aquero, observing the correct wiring colours. (See previous page)
6. Push the mains unit PCB carefully back into the Wall plinth. Make sure that the PCB is located in the guide rail.
7. Push the mains unit PCB cover back onto the Wall plinth and screw it tight.
8. Switch on the mains voltage again. After 2 minutes, the Aquero is ready for operation.

Nice Wireless control Centre JNICE/TT4



TT4, with built-in receiver, for 1 motor up to 1000 W.
Wired and radio connection to climatic sensors.
Protection class IP44.

Possibility of defining the direction of movement (opening and closing) of the application when the Rain sensor is activated.

Separate terminals for Open and Closed or Step-By-Step commands.
Enabling/disabling of Stop function during the manoeuver.

Nice Wireless Controllers.

Can be set up to control Rain and Wind Climatic Sensors, Louvre opening and DropScreen operations



BiDi Awning controller for Wireless operations



P1 P6 P18
Portable transmitters

P1 Controls 1 system or automation group
P6 Controls 6 automation groups for activation in single or multigroup mode
P18 Controls 18 automation groups for activation in single or multigroup mode

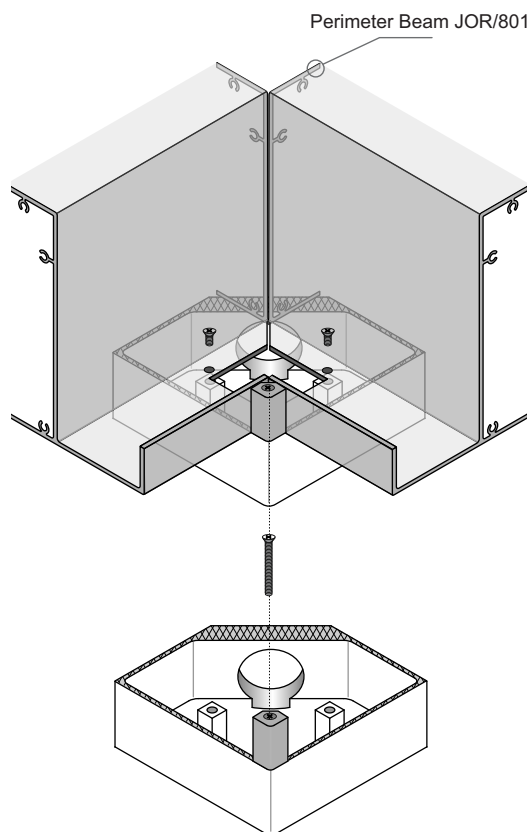


Wind Sensor for use with Dropscreens.
Threshold has 3 wind speed settings 15, 30, 45 Kph

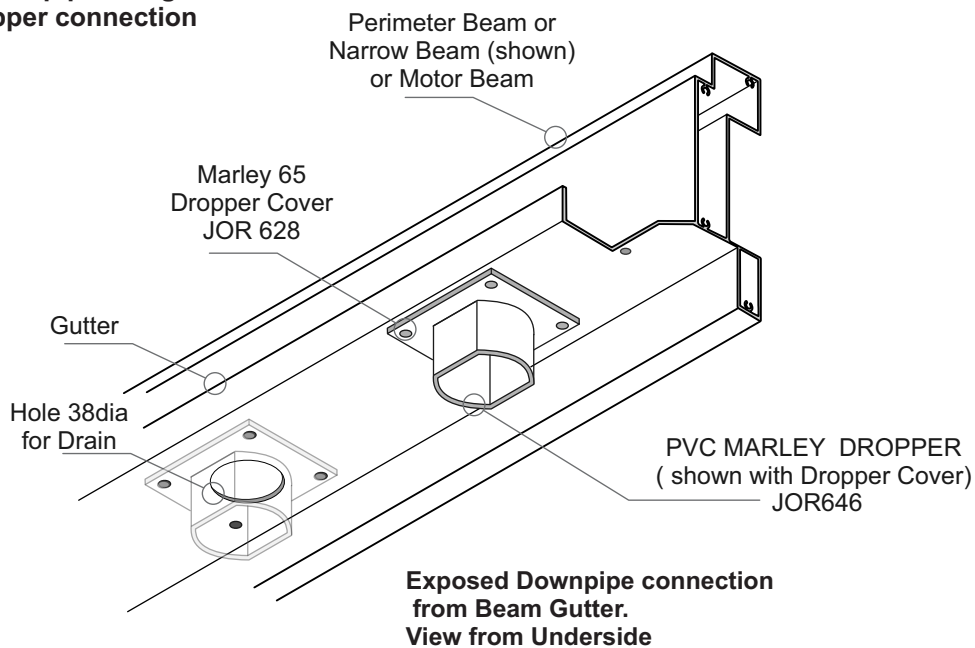
Juralco SunPivot® Living Systems - Structural - Drainage options

- The SunPivot® System is designed to capture rainfall and drain it away in a clean and controlled manner. Louvre drainage must slope towards the drainage point
- If using Posts there is a design feature to have completely hidden downpipes installed inside the post.
- Another option is to have the down pipe installed as part of a beam. The downpipe will then be visible.

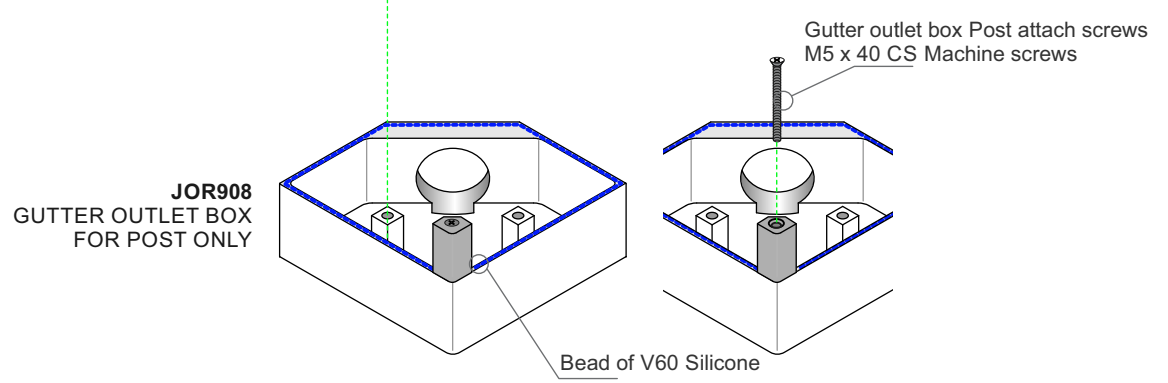
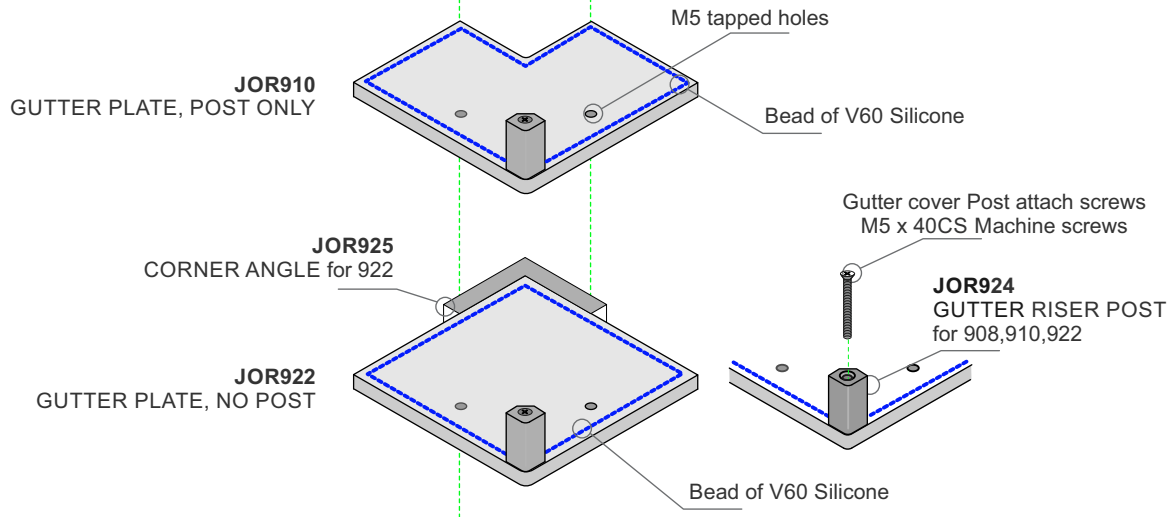
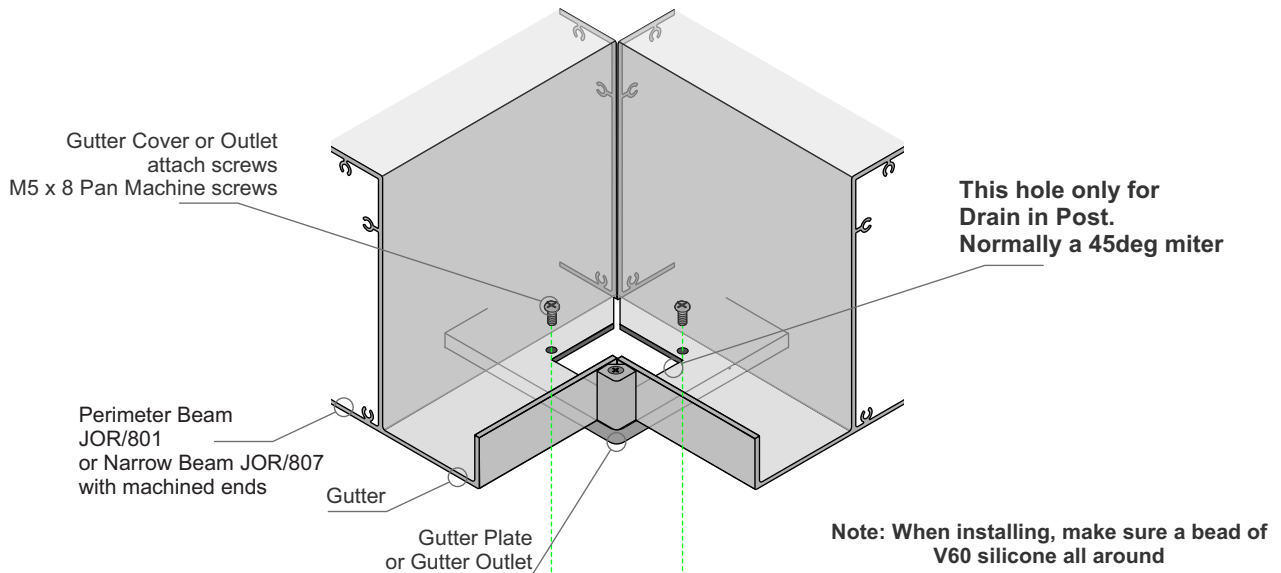
Hidden Down pipe JOR908 Gutter Box - For posts only



In Beam Down pipe using Marley Dropper connection



Gutter Bracket System - Applies to 801/801 or 801/807 Beam Junctions only



Juralco SunPivot® Outdoor Living System - Structural - Drainage Setouts

As the SunPivot® system is designed to drain rainfall away in a controlled manner. It is essential to pre plan drainage options.

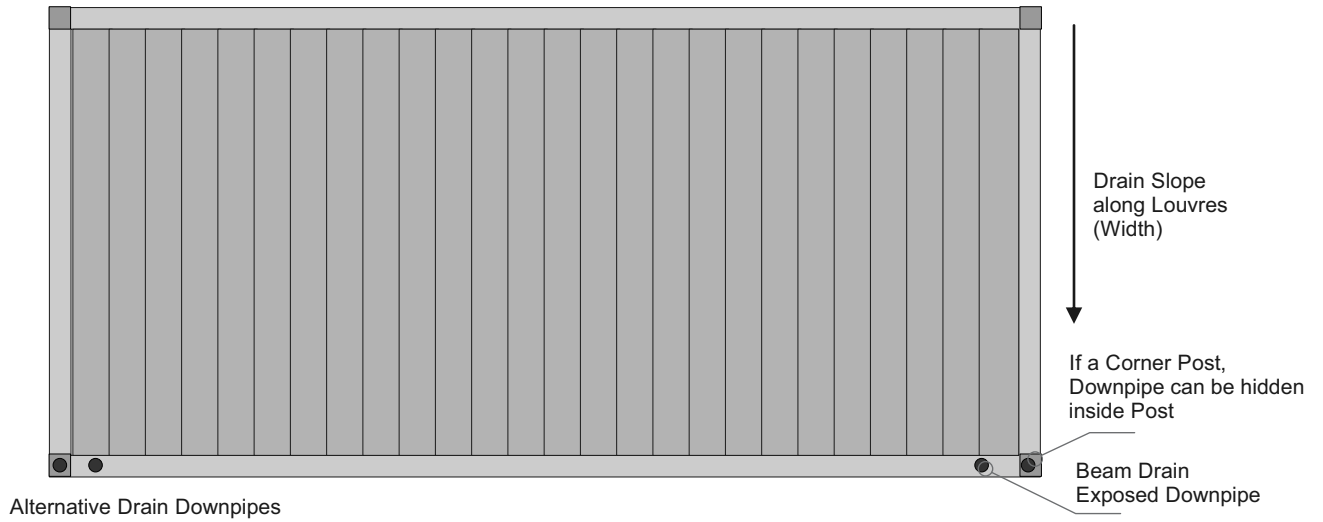
The Frame is installed with slight slopes, the louvres are also sloped to channel rain into the side Gutters.

The generally accepted figure for a drainage slope for this system is a minimum of 1 deg. However on the longer dimensions

this will give unacceptable height variations: reduce slope to 0.75 deg. To keep a side level, especially against a house, provide extra drains

It is very important that the client is reminded to keep the gutter clear of debris and leaves.

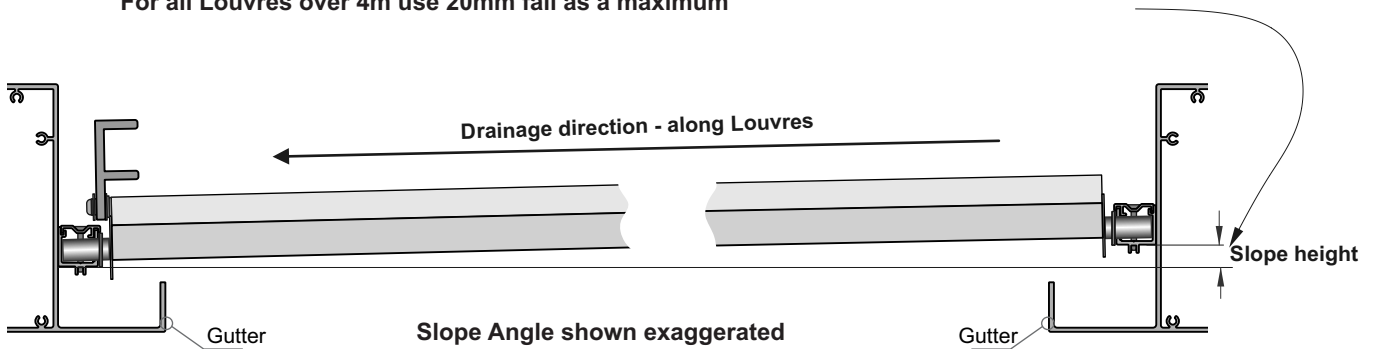
Keep the louvres closed at all times when not in use.



Slope Heights

For Louvres up to 1m, use 5mm fall. Then +1mm for every +200mm width up to 4m = 20mm fall

For all Louvres over 4m use 20mm fall as a maximum



Powder Coating Installation Care

Warning re use of solvents:

- In some cases strong solvents are recommended for thinning various types of paints and also for cleaning up mastics and sealants.
- These can be harmful to the extended life of the powder coated surface, and must not be used for cleaning purposes.
- It is important to note that the damage will not be visible immediately and may take up to 12 months to develop.

If paint splashes or sealants and mastics need to be removed then the following may be safely used:
Methylated Spirits, Ethyl Alcohol, Isopropanol or preferably a mild detergent in warm water.

Joinery Protection during Installation:

All the activity on a construction site means that your powder coated items may get knocked or scratched, splattered with mortar, plaster, textured coating or paint during the later stages of construction.

Please ensure that all powder coated articles are masked or covered at this time. It is far easier to prevent accidents than to try and correct them. Should your joinery receive mortar or paint splashes see that these are removed before cure and follow the instructions contained in this brochure.

Typical sticker used to warn other trades of the need to protect and mask off powder coated joinery (applies to anodised joinery also)

"IMPORTANT ALL TRADES"
This valuable aluminium joinery will suffer permanent damage from: plaster, mortar and paint splashes - Protect if splashes occur - Immediately wash down joinery with water or meths - Do not allow splashes to harden! ~ Do not use solvents! - Do not remove this label until final clean completed.

This photograph display damage that has occurred on site, post installation. The photo of the masked joinery displays clear signs of damage that could have occurred were it not masked. Please ensure that your joinery is protected right through the entire construction process.



Powder Coating Maintenance

External - Maintenance Program:

To extend the life of external powder coated articles and to comply with warranty requirements for powder coated aluminium joinery, a simple, regular maintenance program must be implemented.

The effects of ultra violet light, atmospheric pollution, dirt, grime and airborne salt deposits will all accumulate over time and must be removed or surface staining and weathering will occur, leading to an unsightly appearance.

For external coatings, cleaning should take place every six months. In areas where pollutants are more prevalent, such as beachfront houses and industrial or geothermal areas, then a cleaning program should be carried out on a more frequent basis ie. every one to three months.

Cleaning your powder coating:

1. Carefully remove any loose surface deposits with a wet sponge.
2. Use a soft brush (non abrasive) and a mild household detergent (do not use solvents) in warm water, remove dust, salt and other deposits.
3. Rinse off with clean fresh water.



Restoring weathered or scratched surfaces:

Repair of Scuffed or Scratched surfaces
Dulux Spray Cans are available in all colour card colours.

Repair of Small Scratches or Chips.
Dulux Dabsticks are ideally suited for the repair of small scratches.
Dabsticks may not be available in all colour card colours.

Repair of Weathered areas .
Dulux Gloss Up is a light to medium cutting cream ideally suited for gloss restoration and has been specifically designed for this purpose.
Gloss Up contains no waxes or silicone and is a one step system.



Contact Dulux Powder Coatings , ph 0064 9 441 8244

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