



 JURALCO

# JURALCO LOUVRELITE<sup>®</sup> 88 SERIES ROLLER SHADE SYSTEMS

ISSUE 5-23 v1

## Juralco Louvrelite® 88 Series Roller Shade Systems

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 door and window products 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 internal doors.

The Juralco Louvrelite® 88 Series Roller Panel Systems come as two types. A Framed Bottom Roller or Top Roller system featuring Pivoting louvres, Static Louvres ,slats or Panels up to 1.5m wide and 2.7m high sliding in tracks.

The system is especially suitable for high end Residential and Apartments, to provide a Sliding Shade System, in a variety of powder coated colours.

Complies With AS/NZS 1170:2002, NZ Building Code Clauses B1, B2 and F2



Apartment Balconies featuring static Horizontal Slats in a sliding Panel Shade system

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# Juralco LouvreLite® 88 Series Roller Shade Systems

## Juralco Aluminium Building Products Ltd (JABP) Specifications for Juralco LouvreLite® 88 Series Roller Shade Systems

### 1. Scope

- This specification details the documents the Juralco LouvreLite® 88 Series Roller Shade Systems refers to, in relation to the New Zealand Building Code, the manufacturer's documents, products used in the System and requirements in relation to fixing and surface finishings.

### 2. Manufacturer's Documents

- The Juralco LouvreLite® 88 Series Roller Shade Systems manual details all extrusions and components used for the fabrication and installation/fixing of the system.

Copies of the above document 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 Juralco LouvreLite 88 Series Roller Shade Systems
- Aluminium extrusions, components and hardware – unless specified are manufactured to 6060 T5 specifications
- Stainless Steel components, hardware, fixings – all components to 316 grade

### 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 LouvreLite® 88 Series Roller Shade Systems must only be installed in accordance with the Juralco LouvreLite® 88 Series Roller Shade Systems manual
- Any deviation from that specified in the Juralco LouvreLite® 88 Series Roller Shade Systems manual must only be in accordance with the site specific PS1 with site specific calculations and drawings listing the non standard details
- The Juralco LouvreLite® 88 Series Roller Shade Systems must only be fabricated/installed by a Juralco approved fabricator
- Upon completion of the installation the fabricator must supply the owner with a PS3 (Construction)

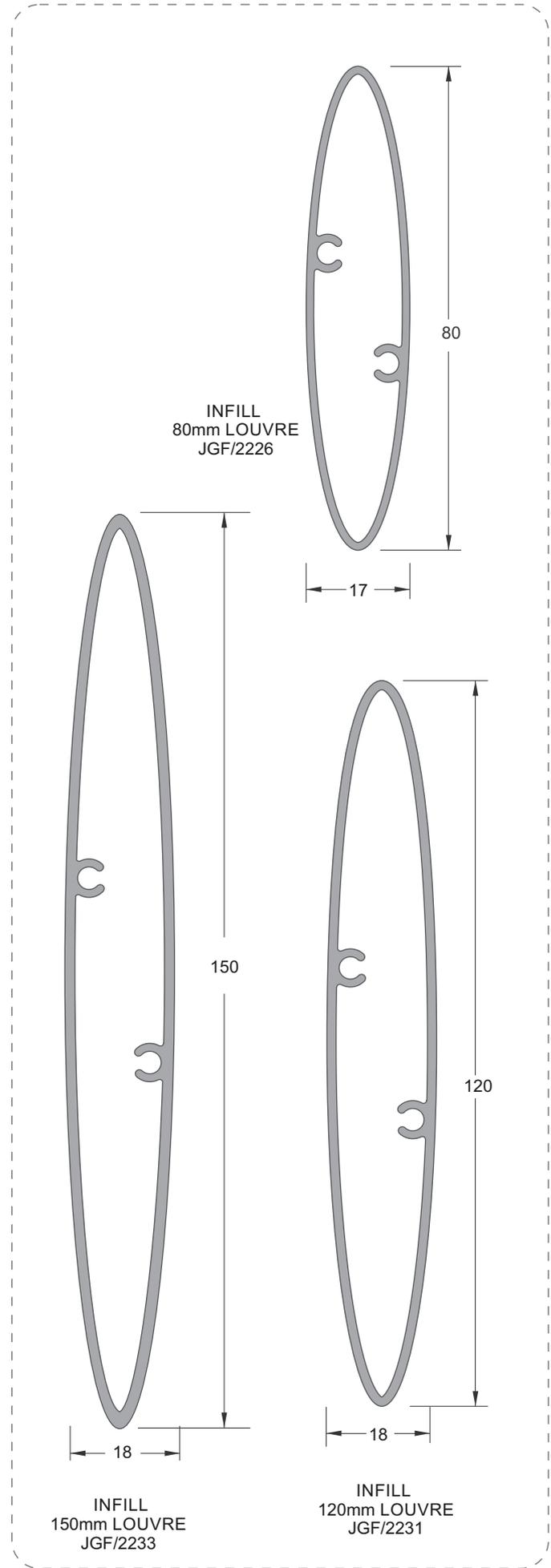
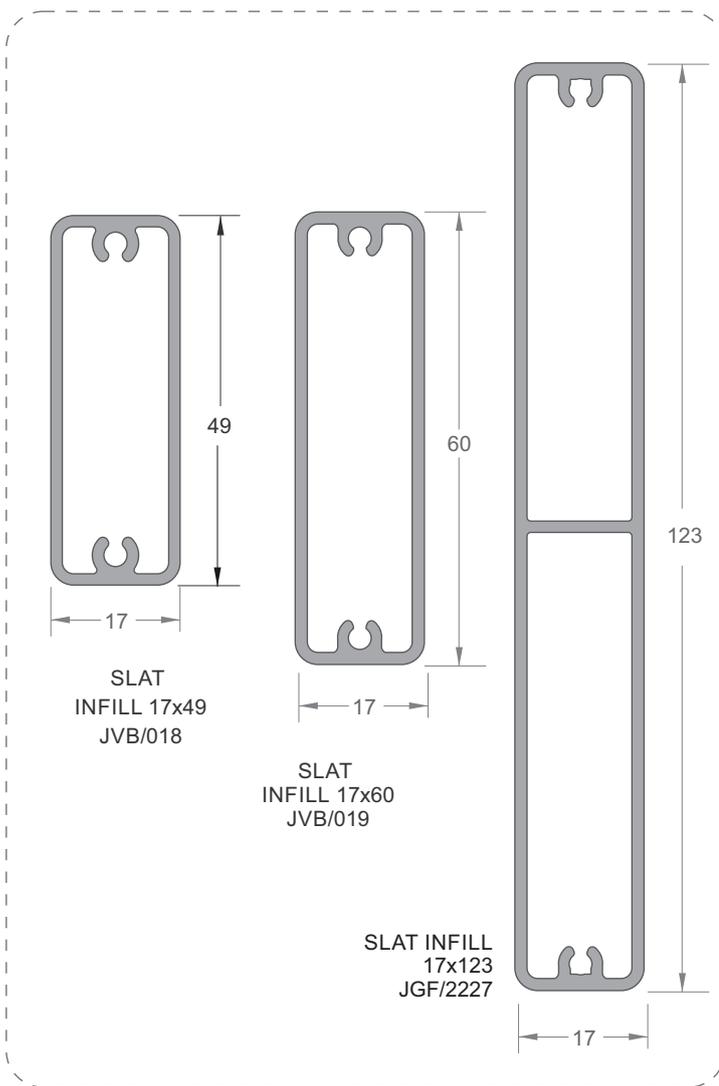
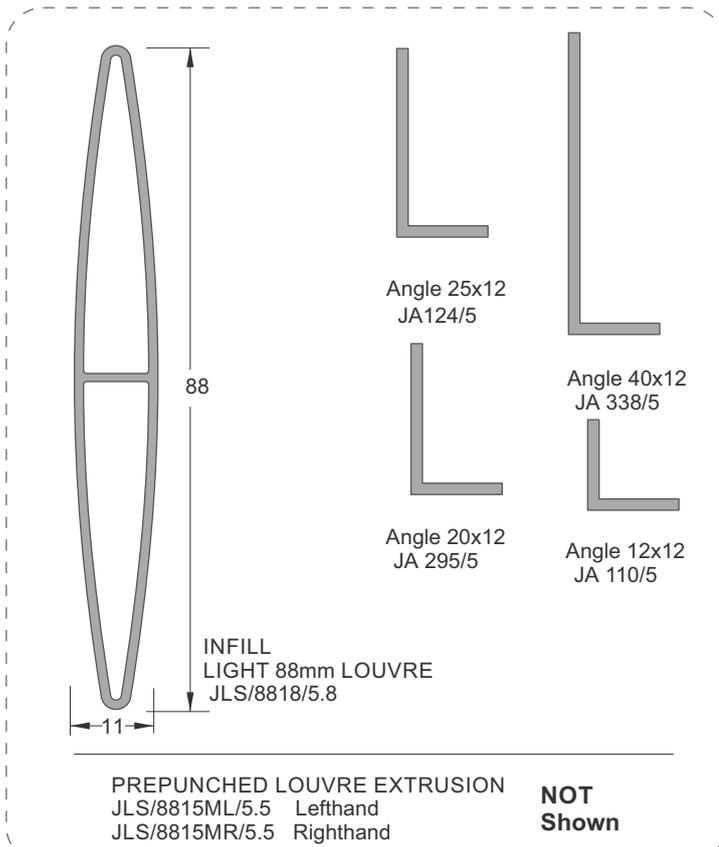
#### **Important information - Powder Coating systems.**

**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.

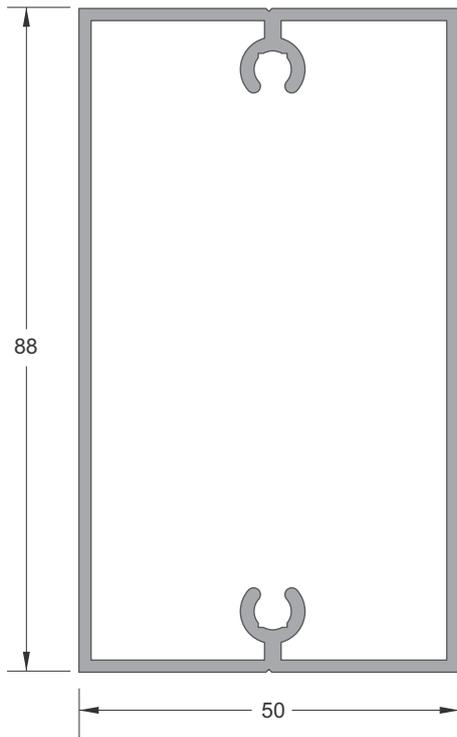
**Swimming Pools** The chlorinated water in swimming pools can cause the deterioration of powder coated surfaces, leading to corrosion of the underlying surface. It is recommended that Powder coated surfaces be 1200mm min from a pool.

**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.

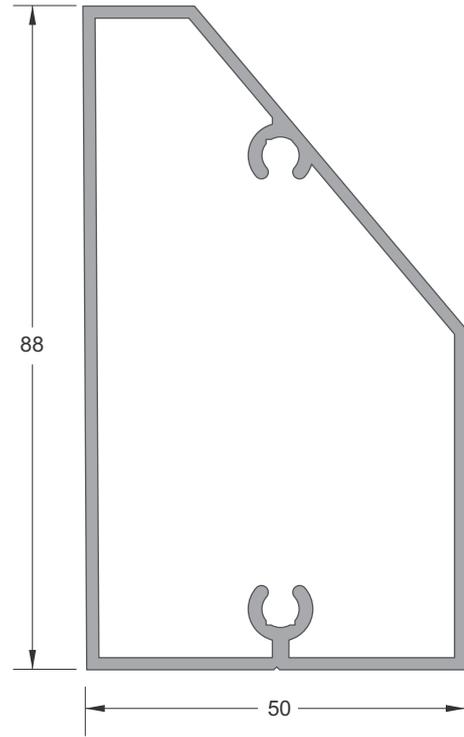


**Juralco Louvrelite® 88 Series Roller Shade Systems**  
**Sliding Door Frame Extrusions**

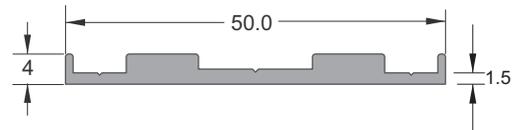
**Section 1 - General**  
 (applies to Top and Bottom  
 Roller systems)



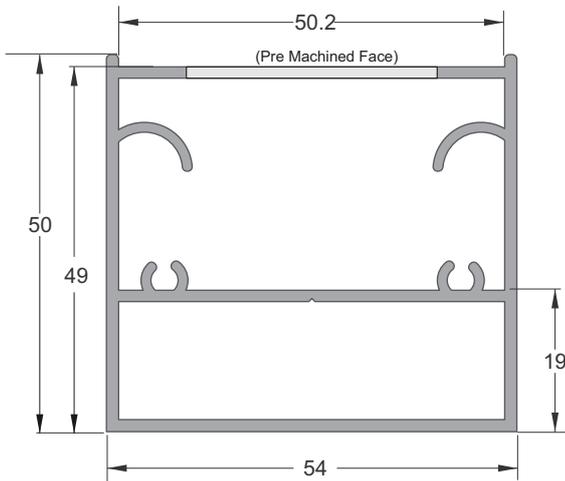
FLAT TOP and BOTTOM RAIL  
 JLS/8817/5.5



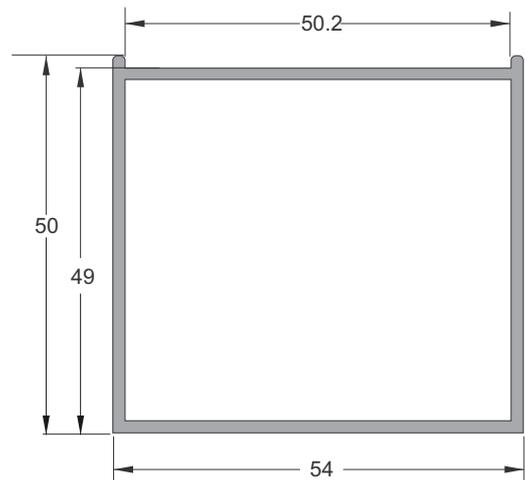
ANGLED TOP and BOTTOM RAIL  
 JLS/8816/5.5  
 (Static Prepunched Louvres only)



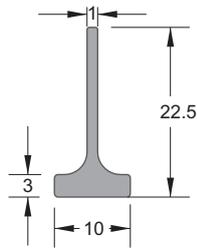
CARRIER BAR  
 JLS/8810/5.5



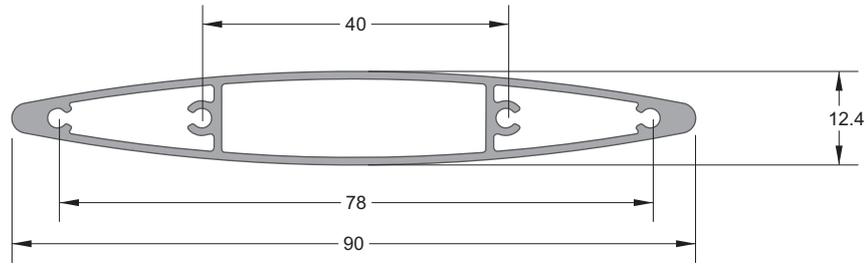
STILE (for 88mm Static Louvre application only)  
 JLS/8815 ML/5.5 (pre machined, Left Hand)  
 JLS/8815 MR/5.5 (pre machined, Right Hand)



STILE  
 JLS/8825/5.5



**JLS/8820/2.5  
Handle**



**JLS/8819/5.8  
Pivoting Louvre**

**Sliding Door Frame Extrusions (see prev page)**

Pivoting Louvres  
Sliding Door Frame Extrusions

**JLS/8817/5.5  
FLAT TOP  
and BOTTOM RAIL**

**JLS/8825M115/2.7  
STILE**

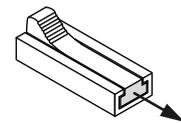
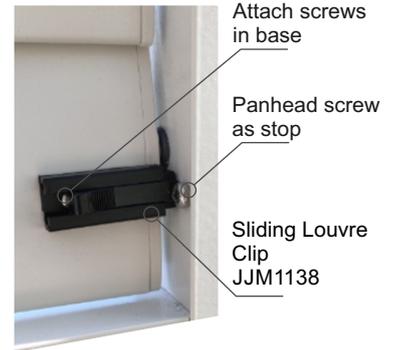
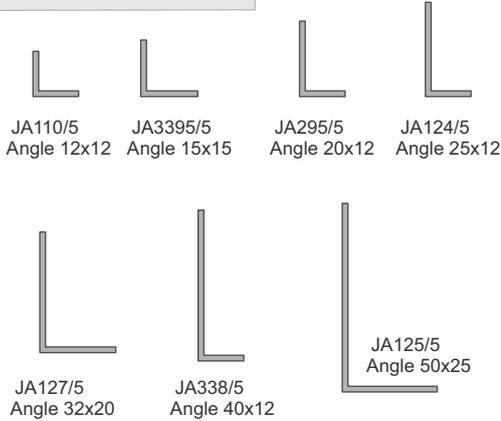
**Sliding Louvre Clip  
JJM1138**

**Top/Bottom Seal**



**Mohair Strip  
JC225/7.5  
Adhesive backed  
250mt Roll**

**Angles for Top/Bottom  
Pivot Louvre Seals**



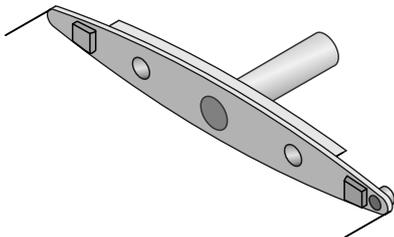
Attach to Bottom Louvre to Lock all closed.  
Screw a 8x1/2 Panhead ST into the  
JLS/8825/5.5 Stile to use as a stop.

**Hole Cover Cap  
H/SJ037**

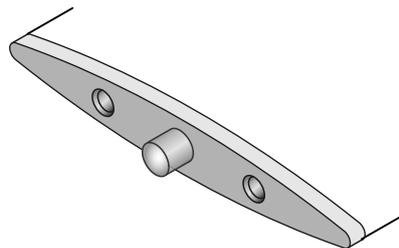


Colours - White, Grey, Off White, Black

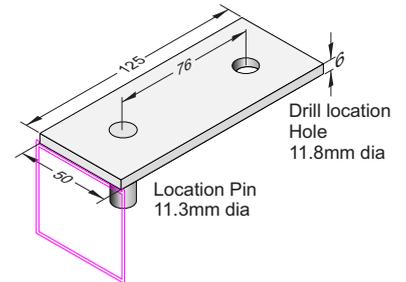
**JLS/EP92  
Louvre End Cap - Actuated**



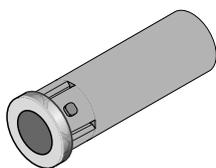
**JLS/EP91  
Louvre End Cap - Non Actuated**



**JLS/HoleJig  
Drill Setout Tool for  
11.5mm dia Hole**



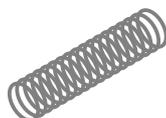
**JLS/B01/Grey  
1 x Grommet - Actuated End**



**JLS/B02/Grey  
1 x Grommet - Non Actuated End**



**JLS/S01/SS  
1 x Spring**



**All these as JLS/EPKIT**

**Screw SS  
No 4 x 15 C/S**



For Both End Caps  
ie 4 per Louvre

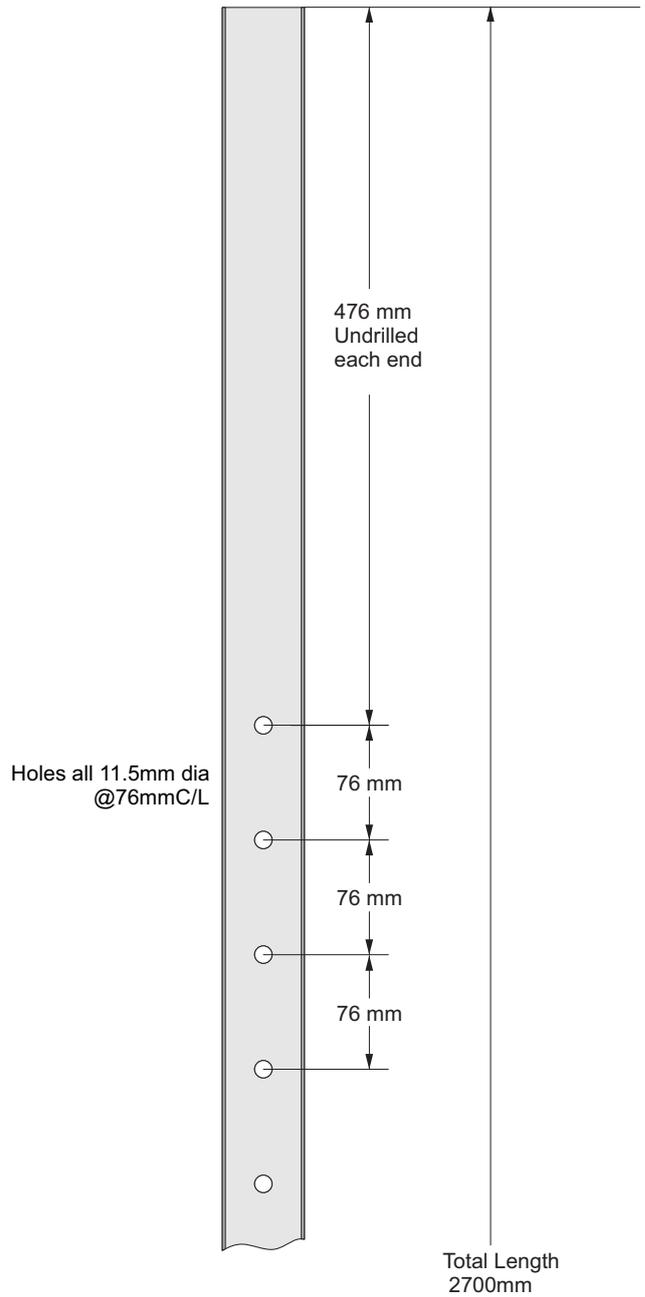
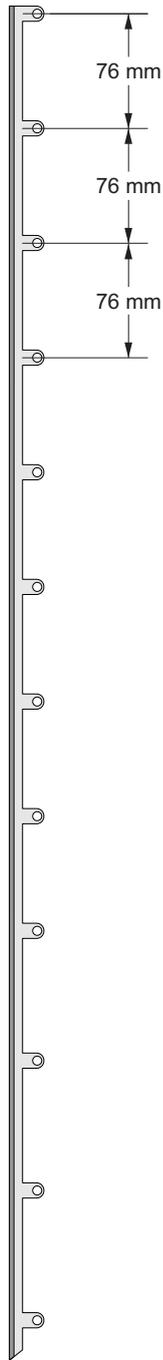
**Screw SS  
No 4 x 15 Pan + Washer**



For Actuator End Cap  
Handle. 1 per Louvre

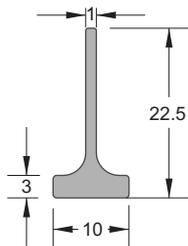
**Juralco Louvrelite 88 Series Roller Shade Systems  
Pivoting Louvres - Pre Machined Elements**

**Section 1 - General  
(applies to Top and Bottom  
Roller systems)**

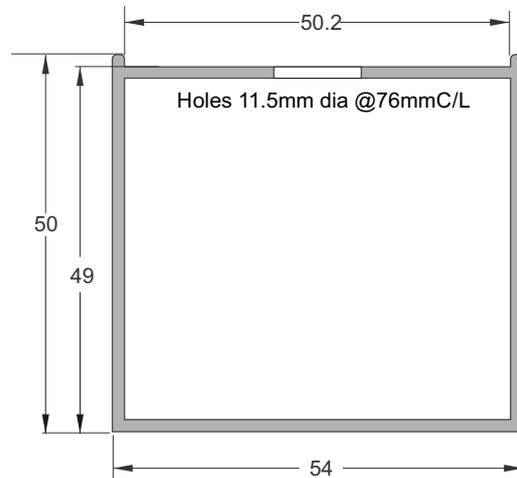


**JLS/8825M115/2.7**  
Holes 1748mm spread = 24 holes

**JLS/8820/2.5**  
Handle  
Fully Punched 2500mm long



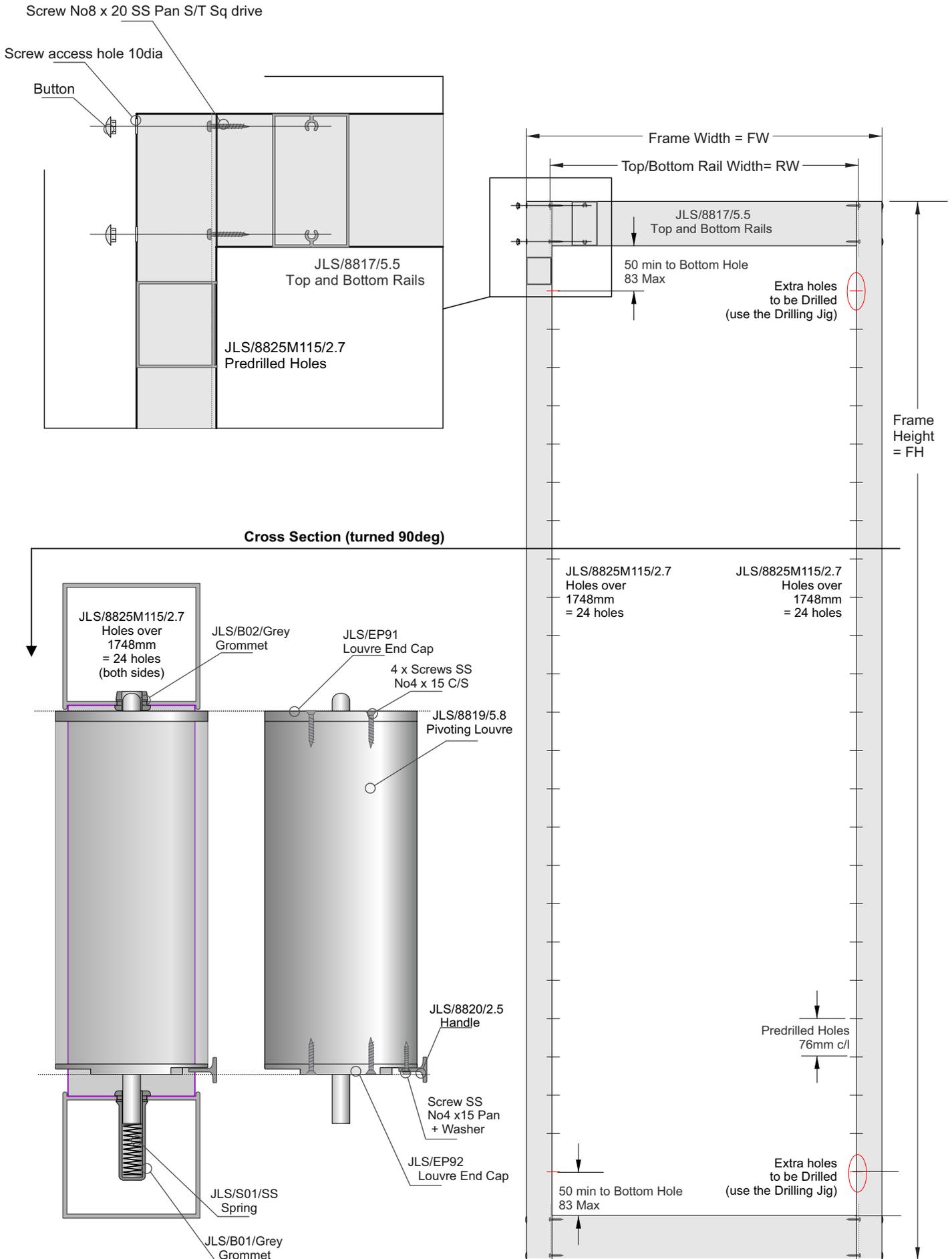
**JLS/8820/2.5**  
Handle

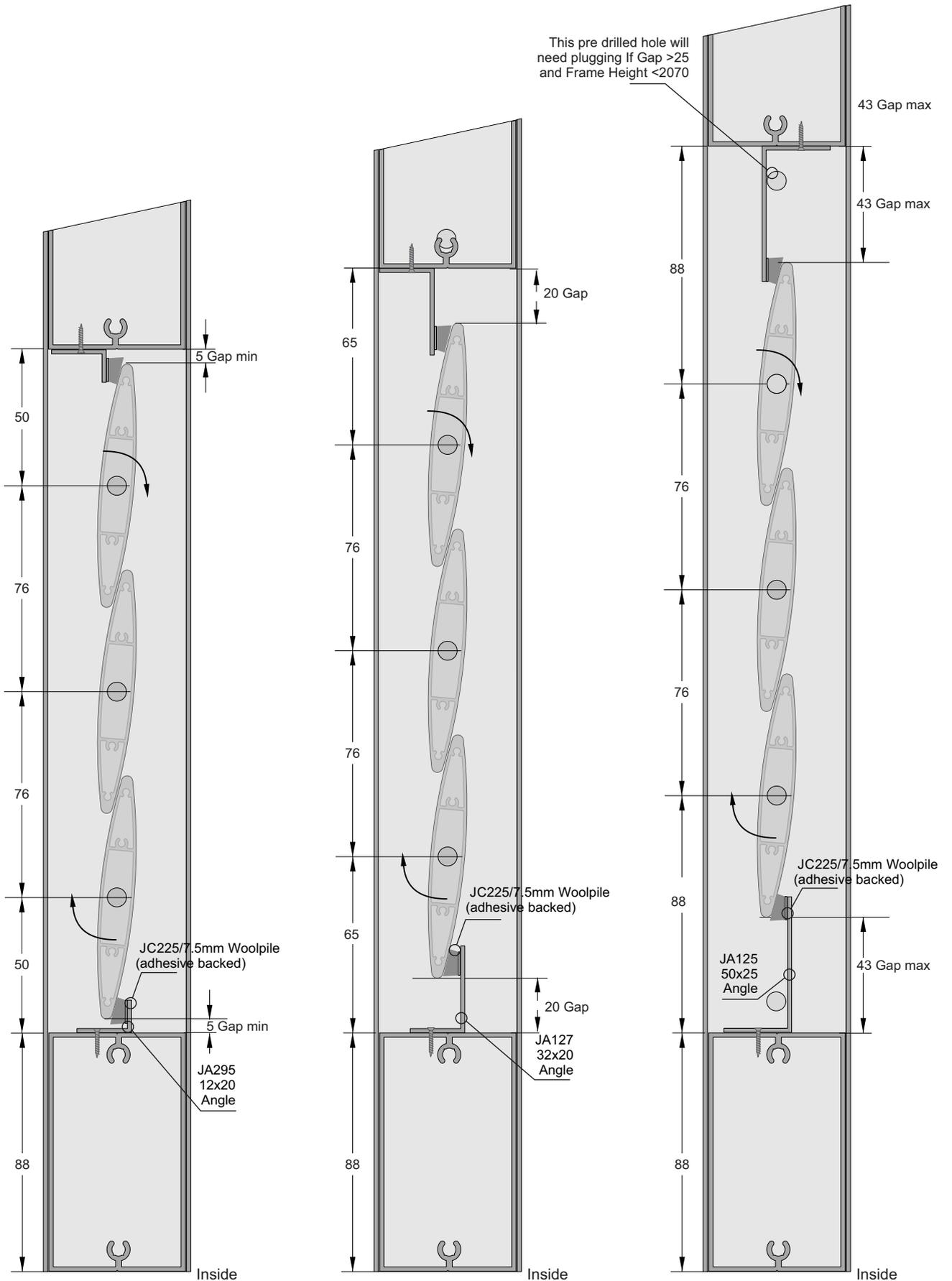


**JLS/8825M115/2.7**

**Juralco Louvrelite 88 Series Roller Shade Systems  
Pivoting Louvres - Frame and Louvre Construction**

**Section 1 - General  
(applies to Top and Bottom  
Roller systems)**





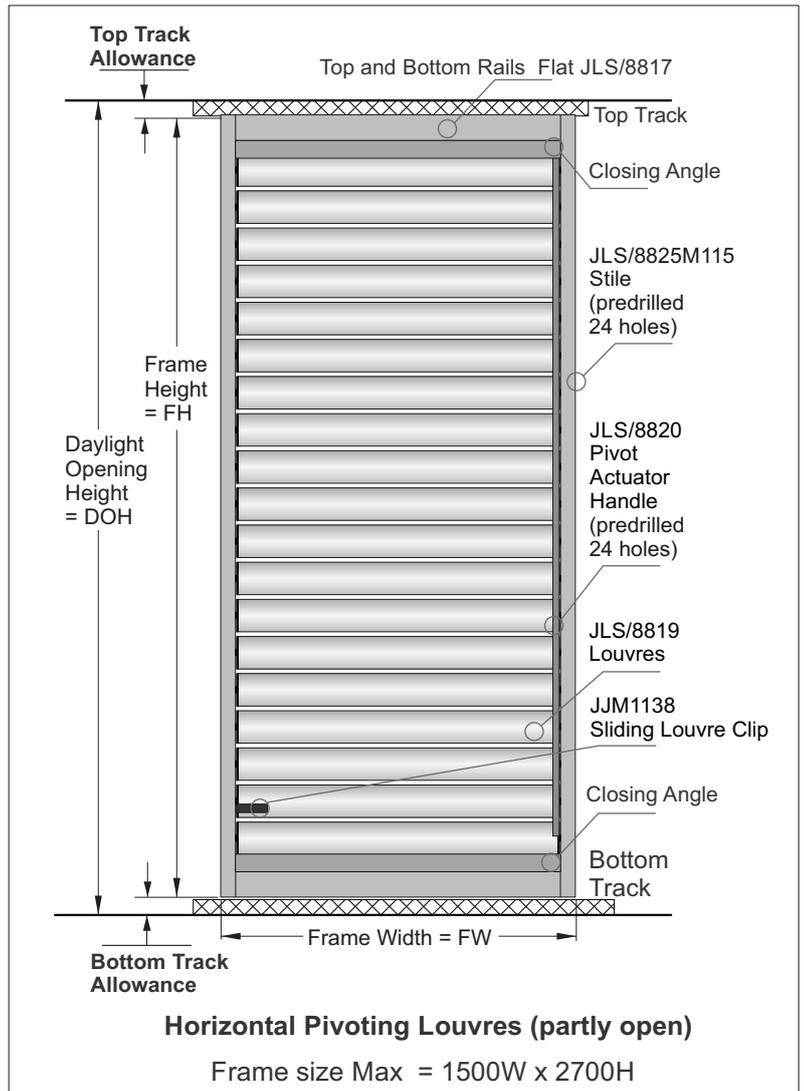
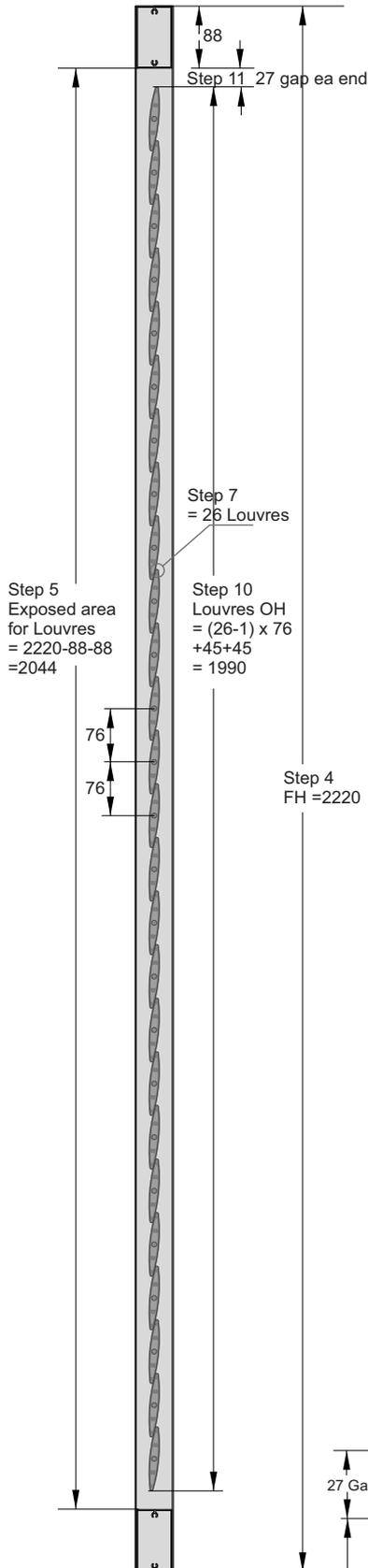
**A - Minimum** Equal Gap Configuration  
5mm Gap Top, 5mm Gap Bottom

**B - Intermediate** Equal Gap Configuration  
20mm Gap Top, 20mm Gap Bottom

**C - Maximum** Equal Gap Configuration  
43mm Gap Top, 43mm Gap Bottom

**Note: Pivoting Louvres must be in the closed position (as above) to slide the Doors past each other**

Worked Example opposite

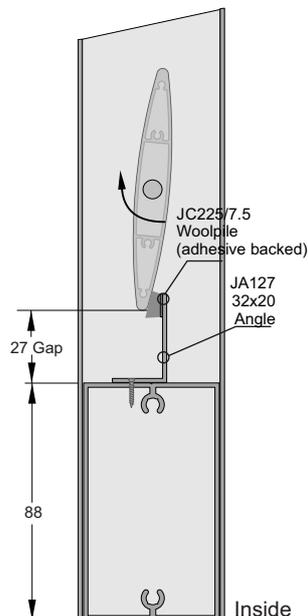


**Calculating the Frame height and Hole layout**  
**Note: The pre drilled holes should always be centered on the Frame Height**

- 1 - Measure Daylight Opening height at Track attachment points.  
(Both Top and Bottom Roller systems have about 15mm vertical out of square capability. If more Packing will be needed)
- 2 - Deduct Top/Bottom Track Allowances.  
Top Roller about 100mm total. Bottom Roller about 55mm total.
- 3 - Frame Height = Length of JLS/8825M115/2.7 Stile

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- 4 - As an example say, Top Roller installation DOH = 2320  
FH = 2320 - 100 (Top Roller Track deductions) = 2220
- 5 - Exposed area for Louvres = FH-88-88 (ie height of JLS/8817)  
= 2220-176= 2044
- 6 - Subtract 100 from this number (ie 50mm min gap at ea end)  
= 1944
- 7 - How many Louvres @ 76mm centres can fit into this number?  
 $1944/76 = 25.6$ . Must be a whole no+1 = 26 = No of Louvres
- 8 - As only 24 holes pre drilled you will need to drill 2 pairs of holes.
- 9 - After drilling the extra holes you can now cut the JLS/8825M115/2.7 Stile to length, ensuring the holes are centrally placed from ea end.  
Cut to 2220mm as above
- 10 - Louvre Top to Bottom  
Louvre set Top to Bottom Overall = 25 (no louvres -1) x 76 (cl spacing)  
= 1900 + 45 (1/2 louvre) + 45 (1/2 louvre) = 1990
- 11 - Calculate the final Gaps at each end  
Exposed area for Louvres = 2044 from above  
Difference = 54mm total = 27mm gap ea end.



**Note: Pivoting Louvres must be in the closed position (as above) to slide the Doors past each other**

**Juralco Louvrelite 88 Series Roller Shade Systems  
Pivoting Louvres - Door Frame Heights, Cutting**

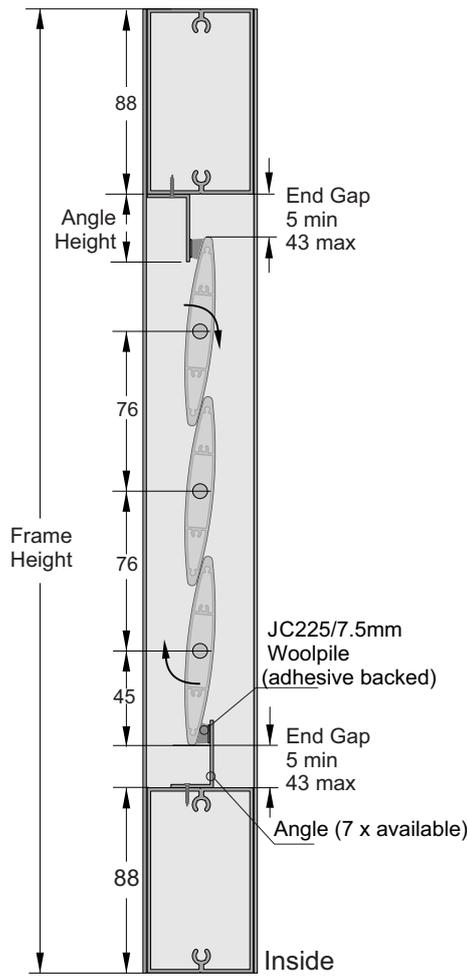
**Section 1 - General**  
(applies to Top and Bottom Roller systems)

**Note: Plug Exposed Pre drilled holes if needed**

**Heights**

Frame size Max = 1500W x 2700H

Frame Height	No Louvres	Gap ea end	Drill extra holes (Pairs)	Min Angle Height
1880	22	9	No plug	14
1890	22	14	No Plug	19
1900	22	19	No Plug	24
1910	22	24	No Plug	29
1920	22	29	1 x Plug	34
1930	22	34	1 x Plug	39
1940	22	39	1 x Plug	44
1950	23	6	No Plug	11
1960	23	11	No Plug	16
1970	23	16	No Plug	21
1980	23	21	No Plug	26
1990	23	26	No Plug	31
2000	23	31	1 x Plug	36
2010	23	36	1 x Plug	41
2020	23	41	1 x Plug	46
2030	24	8	No Drill	13
2040	24	13	No Drill	18
2050	24	18	No Drill	23
2060	24	23	No Drill	28
2070	24	28	No Drill	33
2080	24	33	No Drill	38
2090	24	38	No Drill	43
2100	25	5	Drill x 1	10
2120	25	15	Drill x 1	20
2130	25	20	Drill x 1	25
2140	25	25	Drill x 1	30
2150	25	30	Drill x 1	35
2160	25	35	Drill x 1	40
2170	25	40	Drill x 1	45



**Note: Gaps equal at ea End**

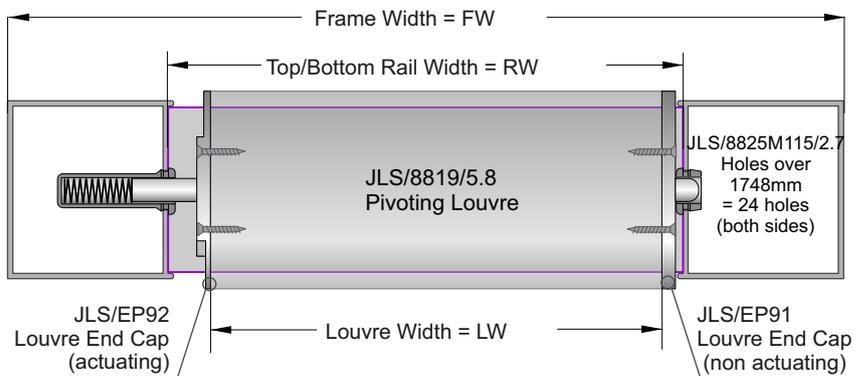
JLS/8820/2.5 Handle  
Fully Punched 2500mm long  
Note: Handle Height = No of Louvres x 76 + 15mm

No Louvres	Handle Cut Length
22	1687
23	1763
24	1839
25	1915
26	1991
27	2067
28	2143
29	2219
30	2295
31	2371
32	2447

Frame Width	Top/Bottom Rail Width	Louvre Width	No per length
700	602	584	9
720	622	604	9
740	642	624	9
760	662	644	8
780	682	664	8
800	702	684	8
820	722	704	8
840	742	724	7
860	762	744	7
880	782	764	7
900	802	784	7
920	822	804	7
940	842	824	6
960	862	844	6
980	882	864	6

**Widths**

Top/Bottom Rail Width = RW = Frame Width - 98  
Louvre Width = FW - 116

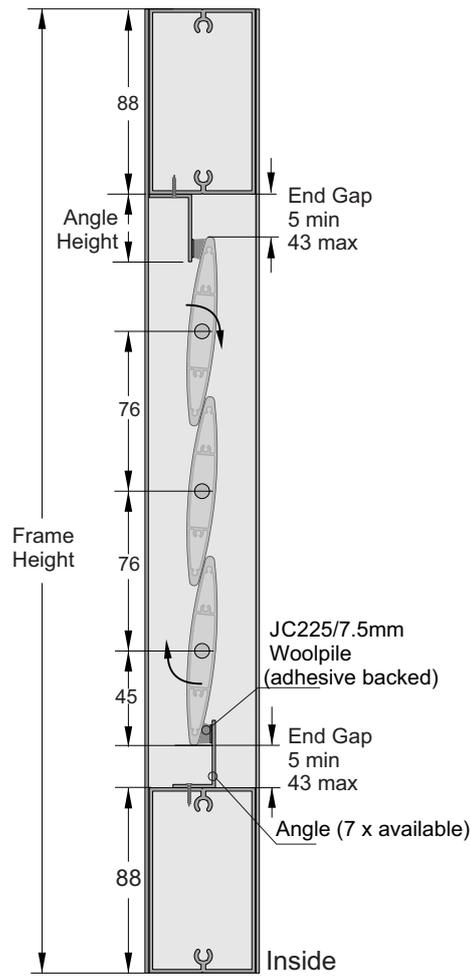


**Juralco Louvrelite 88 Series Roller Shade Systems  
Pivoting Louvres - Door Frame Heights, Cutting**

**Section 1 - General  
(applies to Top and Bottom  
Roller systems)**

Frame Height	No Louvres	Gap ea end	Drill extra holes (Pairs)	Min Angle Height
2180	26	7	Drill x 2	12
2190	26	12	Drill x 2	17
2200	26	17	Drill x 2	22
2210	26	22	Drill x 2	27
2220	26	27	Drill x 2	32
2230	26	32	Drill x 2	37
2240	26	37	Drill x 2	42
2250	26	42	Drill x 2	47
2260	27	9	Drill x 3	14
2270	27	14	Drill x 3	19
2280	27	19	Drill x 3	24
2290	27	24	Drill x 3	29
2300	27	29	Drill x 3	34
2310	27	34	Drill x 3	39
2320	27	39	Drill x 3	44
2330	28	6	Drill x 4	11
2340	28	11	Drill x 4	16
2350	28	16	Drill x 4	21
2360	28	21	Drill x 4	26
2370	28	26	Drill x 4	31
2380	28	31	Drill x 4	36
2390	28	36	Drill x 4	41
2400	28	41	Drill x 4	46
2410	29	8	Drill x 5	13
2420	29	13	Drill x 5	18
2430	29	18	Drill x 5	23
2440	29	23	Drill x 5	28
2450	29	28	Drill x 5	33
2460	29	33	Drill x 5	38
2470	29	38	Drill x 5	43

**Heights** Frame size Max = 1500W x 2700H



JLS/8820/2.5 Handle  
Fully Punched 2500mm long  
Note: Handle Height = No of Louvres x 76 + 15mm

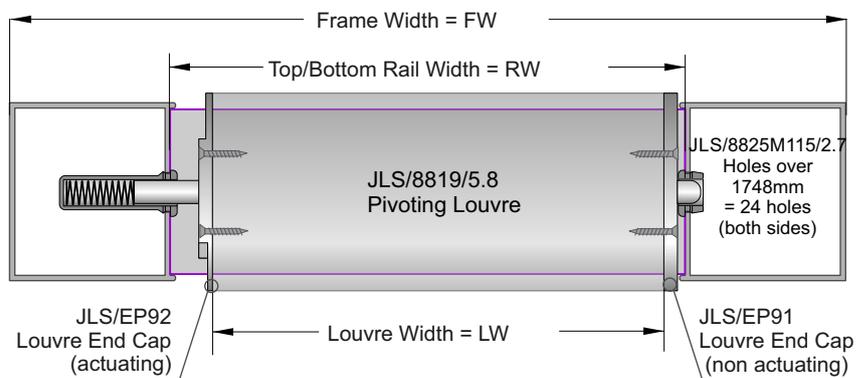
No Louvres	Handle Cut Length
22	1687
23	1763
24	1839
25	1915
26	1991
27	2067
28	2143
29	2219
30	2295
31	2371
32	2447

**Note: Gaps equal at ea End**

Frame Width	Top/Bottom Rail Width	Louvre Width	No per length
1000	902	884	6
1020	922	904	6
1040	942	924	6
1060	962	944	6
1080	982	964	5
1100	1002	984	5
1120	1022	1004	5
1140	1042	1024	5
1160	1062	1044	5
1180	1082	1064	5
1200	1102	1084	5
1220	1122	1104	5
1240	1142	1124	5
1260	1162	1144	4
1280	1182	1164	4

**Widths**

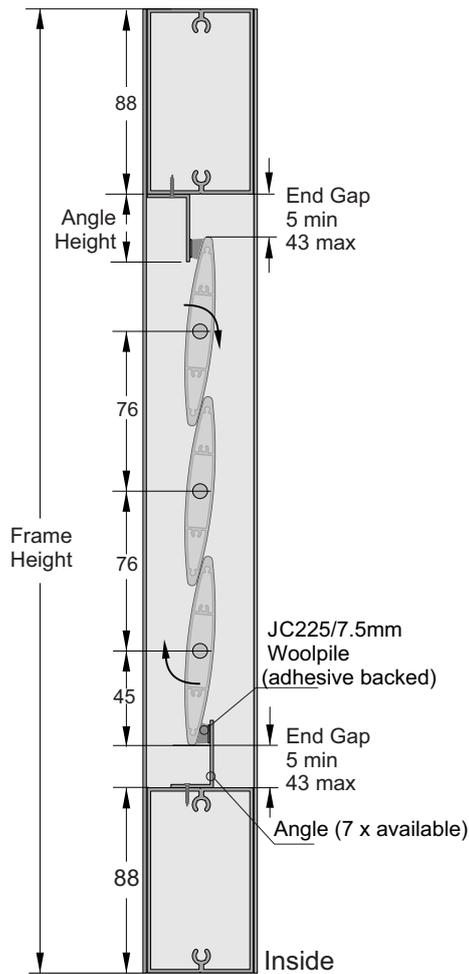
Top/Bottom Rail Width = RW = Frame Width - 98  
Louvre Width = FW - 116



Heights

Frame size Max = 1500W x 2700H

Frame Height	No Louvres	Gap ea end	Drill extra holes (Pairs)	Min Angle Height
2480	30	5	Drill x 6	10
2490	30	10	Drill x 6	15
2500	30	15	Drill x 6	20
2510	30	20	Drill x 6	25
2520	30	25	Drill x 6	30
2530	30	30	Drill x 6	35
2540	30	35	Drill x 6	40
2550	30	40	Drill x 6	45
2560	31	7	Drill x 7	12
2570	31	12	Drill x 7	17
2580	31	17	Drill x 7	22
2590	31	22	Drill x 7	27
2600	31	27	Drill x 7	32
2610	31	32	Drill x 7	37
2620	31	37	Drill x 7	42
2630	31	42	Drill x 7	47
2640	32	9	Drill x 8	14
2650	32	14	Drill x 8	19
2660	32	19	Drill x 8	24
2670	32	24	Drill x 8	29
2680	32	29	Drill x 8	34
2680	32	29	Drill x 8	34
2700	32	39	Drill x 8	44



JLS/8820/2.5 Handle  
Fully Punched 2500mm long  
Note: Handle Height  
= No of Louvres x 76  
+ 15mm

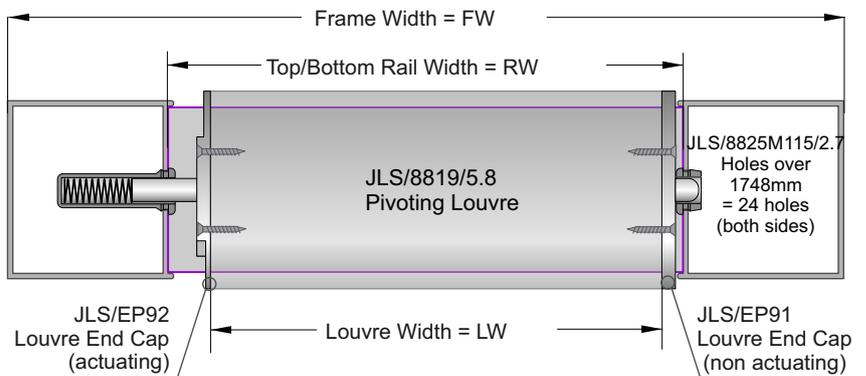
No Louvres	Handle Cut Length
22	1687
23	1763
24	1839
25	1915
26	1991
27	2067
28	2143
29	2219
30	2295
31	2371
32	2447

Note: Gaps equal at ea End

Frame Width	Top/Bottom Rail Width	Louvre Width	No per length
1300	1202	1184	4
1320	1222	1204	4
1340	1242	1224	4
1360	1262	1244	4
1380	1282	1264	4
1400	1302	1284	4
1420	1322	1304	4
1440	1342	1324	4
1460	1362	1344	4
1480	1382	1364	4
1500	1402	1384	4

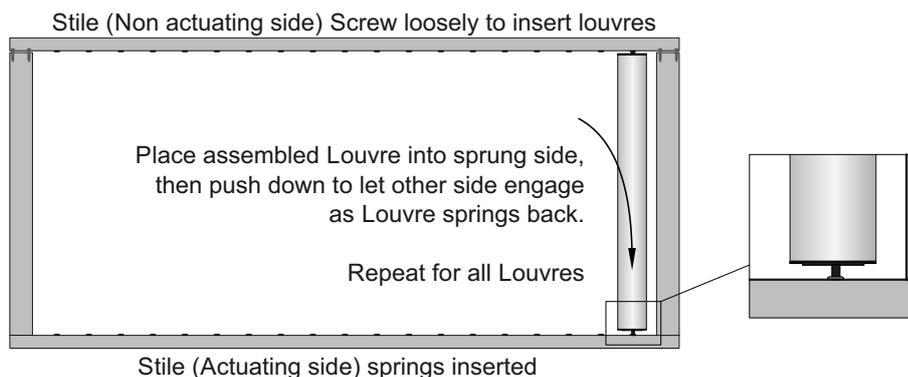
Widths

Top/Bottom Rail Width = RW = Frame Width - 98  
Louvre Width = FW - 116

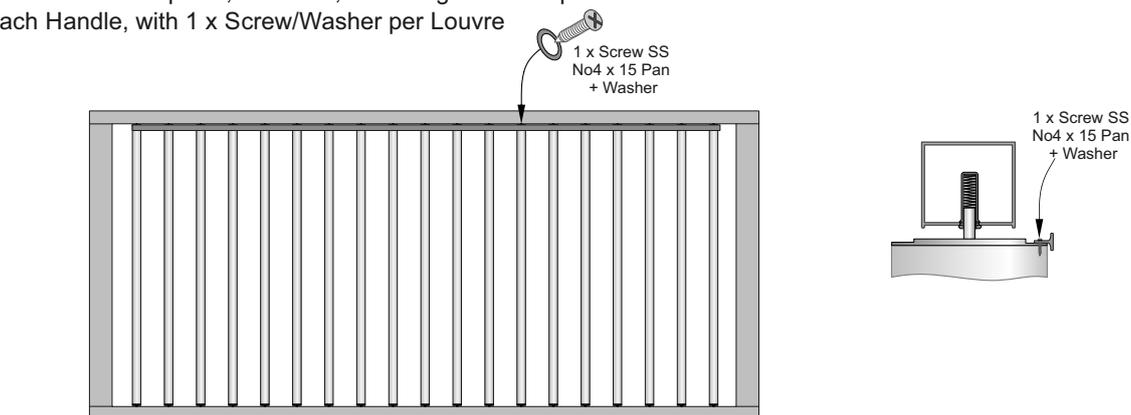


**Note: Top Roller + Bottom Guide or Bottom Rollers  
can be attached before or after the Pivoting Louvres assembled.**

- |                |  |
|----------------|--|
| <b>Step 1</b>  | Frame Height = Daylight opening - Top/Bottom Track allowances.<br>Drill extra Holes if needed. Centralise holes on Frame height. Cut to length<br>Drill Pairs of screw access holes top and bottom |
| <b>Step 2</b>  | Frame Width = Desired, depends on No of doors. Layout.<br>Cut Top/Bottom Rails   |
| <b>Step 3</b>  | Louvres. From Frame Height Table select No of Louvres needed<br>Cut To width. Assemble Actuating and non Actuating Ends, with Screws supplied.   |
| <b>Step 4</b>  | Handle. Cut to length, depending on the No of Louvres  |
| <b>Step 5</b>  | Stile (non actuating side) - Inset small Grommets  |
| <b>Step 6</b>  | Stile (Actuating side) - Inset large Grommets  |
| <b>Step 7</b>  | Stile (Actuating side) + Top/Bottom Rails - Assemble, screw tightly  |
| <b>Step 8</b>  | Stile (Non actuating side) Attach to above, screw loosely  |
| <b>Step 9</b>  | Lie flat on a table - Stile (Actuating side) insert springs into large Grommet   |
| <b>Step 10</b> | Assemble all louvres into place as below. Screw tightly down after all louvres in place, to finish Frame   |

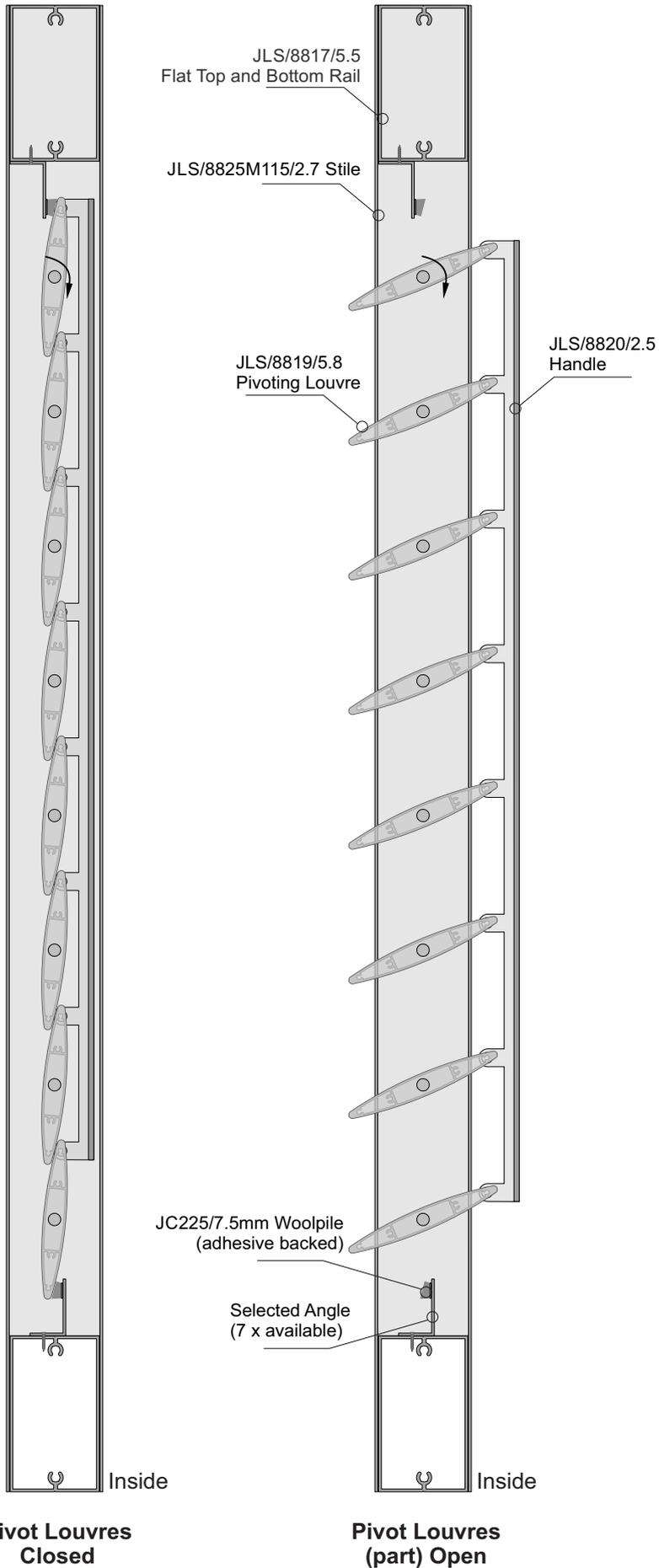


- |                |  |
|----------------|--|
| <b>Step 10</b> | After all louvres in place, turn over; Actuating side to Top.<br>Attach Handle, with 1 x Screw/Washer per Louvre |
|----------------|--|



**Juralco LouvreLite 88 Series Roller Shade Systems  
Pivoting Louvres - Door Frame - Assemble**

**Section 1 - General  
(applies to Top and Bottom  
Roller systems)**



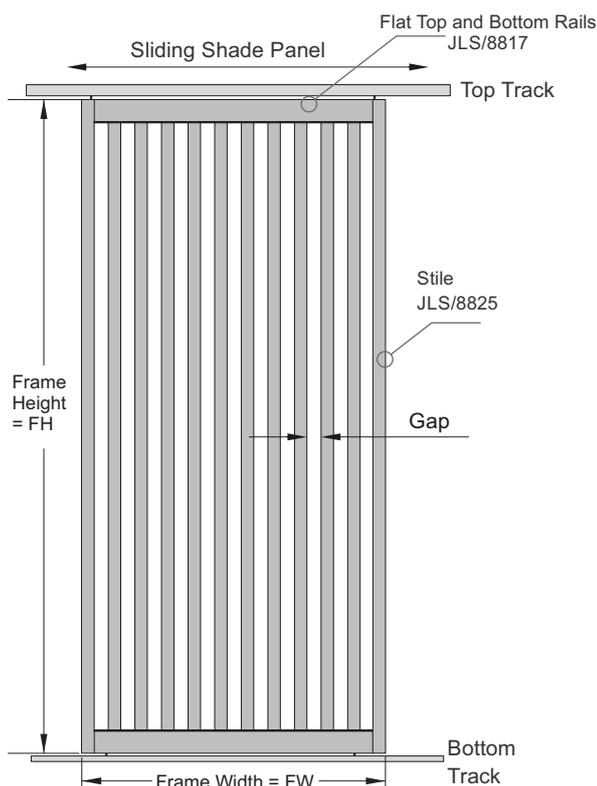
**Note: Pivoting Louvres must be in the closed position to slide the Doors past each other**

# Juralco Louvrelite® 88 Series Roller Shade Systems Static Vertical Face on Slats

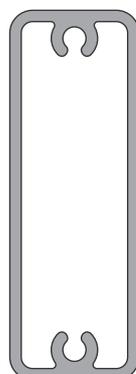
Section 1 - General  
(applies to Top and Bottom  
Roller systems)

Vertical Slat Infills. Face on  
49, 60 and 123mm

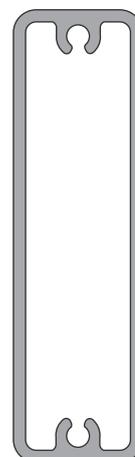
Frame size Max  
= 1500W x 2700H



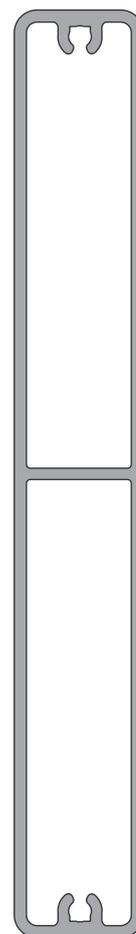
Vertical Face on Slats



SLAT  
INFILL 17x49  
Part No JVB/018



SLAT  
INFILL 17x60  
Part No JVB/019



SLAT INFILL  
17x123  
Part No JGF/2227

SLAT  
INFILL 17x49  
Part No JVB/018

SLAT  
INFILL 17x60  
Part No JVB/019

SLAT INFILL  
17x123  
Part No JGF/2227

GAP mm	Nominal % Breeze (& Light)
10	17
15	23
20	28
25	33
30	38
35	31
40	45

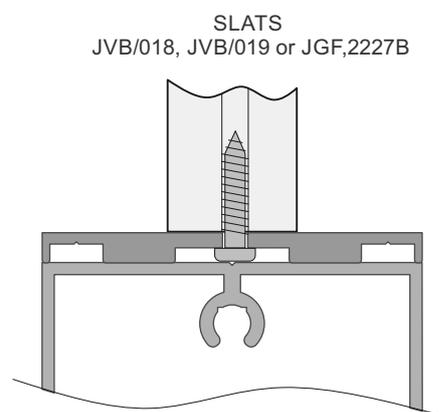
GAP mm	Nominal % Breeze (& Light)
10	14
15	19
20	25
25	29
30	33
35	28
40	40

GAP mm	Nominal % Breeze (& Light)
10	8
15	11
20	14
25	17
30	19
35	22
40	25
45	27
50	29
55	31
60	33
65	35
70	36

Unless the Gap is zero this configuration will pass some sunlight to the interior. It will always allow breezes and indirect light.

- Light above means Indirect Light and has little to do with direct sunlight and shade both of which are dependant on orientation, season, time of day and lastly the gap above.

We have Sun Charts graphically showing the relationship between the first three variables for more accurate calculations.



TOP and BOTTOM RAIL  
Part No JLS/8817  
END ELEVATION



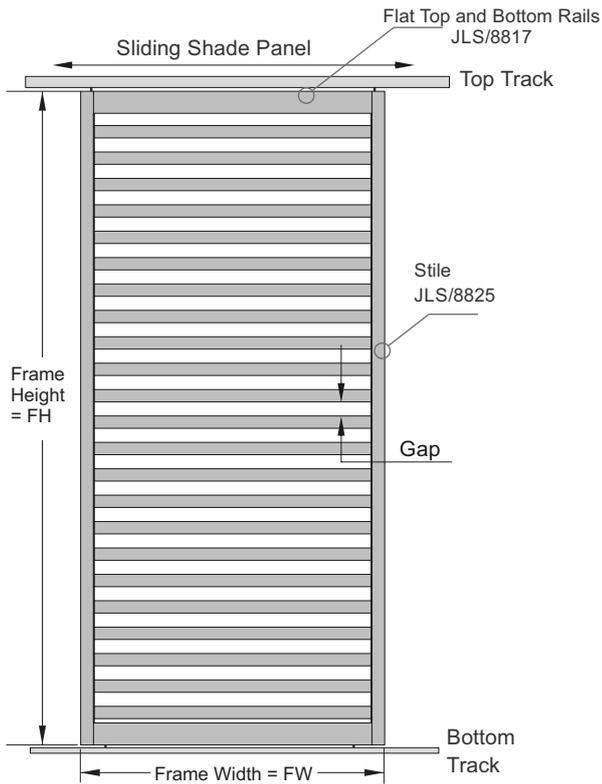
CARRIER BAR Part No JLS/8810  
Drill holes 4mmØ for No 6x20  
SS SqDr PK Screws

**Juralco Louvrelite® 88 Series Roller Shade Systems**  
**Static Horizontal Face on Slats**

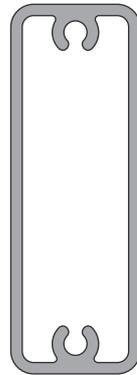
**Section 1 - General**  
 (applies to Top and Bottom Roller systems)

Horizontal Slat Infills. Face on 49, 60 and 123mm

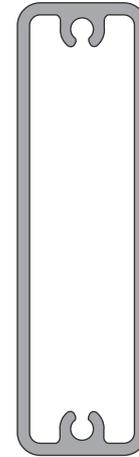
Frame size Max = 1500W x 2700H



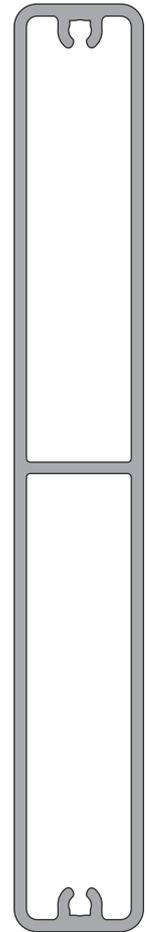
**Horizontal Face on Slats**



SLAT INFILL 17x49  
Part No JVB/018



SLAT INFILL 17x60  
Part No JVB/019



SLAT INFILL 17x123  
Part No JGF/2227

SLAT INFILL 17x49  
Part No JVB/018

GAP mm	Nominal % Breeze (& Light)
10	17
15	23
20	28
25	33
30	38
35	31
40	45

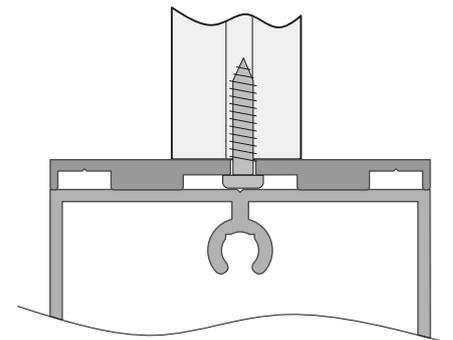
SLAT INFILL 17x60  
Part No JVB/019

GAP mm	Nominal % Breeze (& Light)
10	14
15	19
20	25
25	29
30	33
35	28
40	40

SLAT INFILL 17x123  
Part No JGF/2227

GAP mm	Nominal % Breeze (& Light)
10	8
15	11
20	14
25	17
30	19
35	22
40	25
45	27
50	29
55	31
60	33
65	35
70	36

SLATS JVB/018, JVB/019 or JGF,2227B



TOP and BOTTOM RAIL  
Part No JLS/8817  
**END ELEVATION**



CARRIER BAR Part No JLS/8810  
Drill holes 4mmØ for No 6x20 SS SqDr PK Screws

Unless the Gap is zero this configuration will pass some sunlight to the interior. It will always allow breezes and indirect light.

- Light above means Indirect Light and has little to do with direct sunlight and shade both of which are dependant on orientation, season, time of day and lastly the gap above.

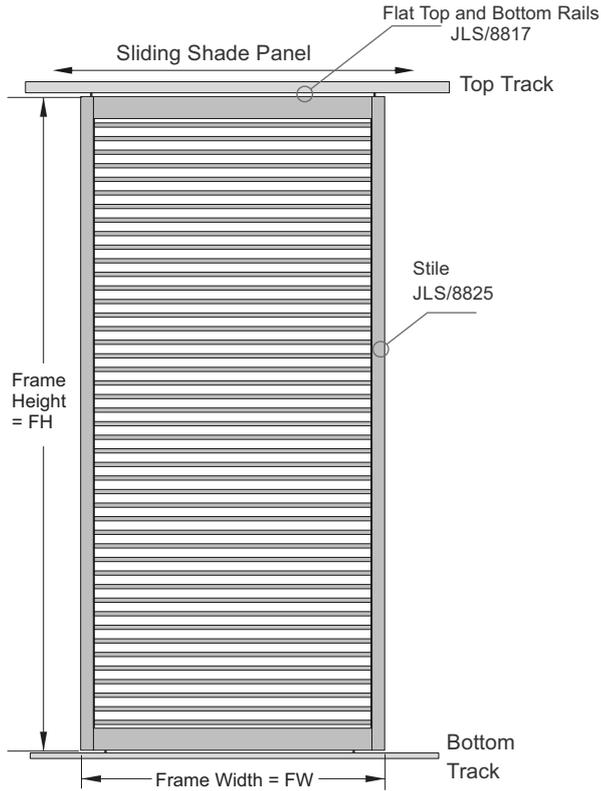
We have Sun Charts graphically showing the relationship between the first three variables for more accurate calculations.

**Juralco Louvrelite® 88 Series Roller Shade Systems**  
**Static Edge on Slats**

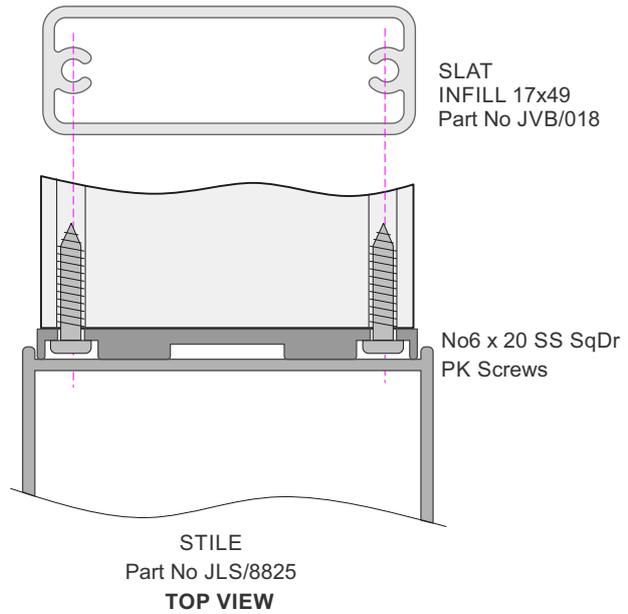
**Section 1 - General**  
 (applies to Top and Bottom Roller systems)

Horizontal Slat Infill. Edge on 49mm

Frame size Max = 1500W x 2700H

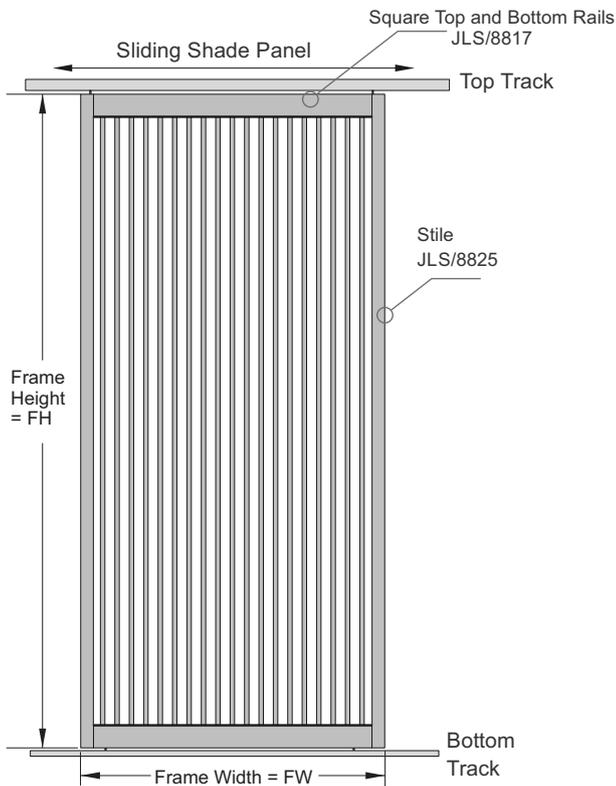


**Horizontal Edge on Slats**

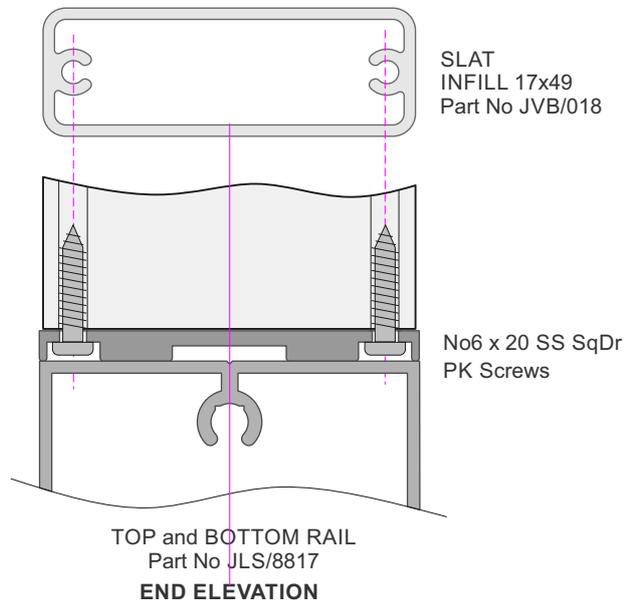


Vertical Slat Infill. Edge on 49mm

Frame size Max = 1500W x 2700H



**Vertical Edge on Slats**

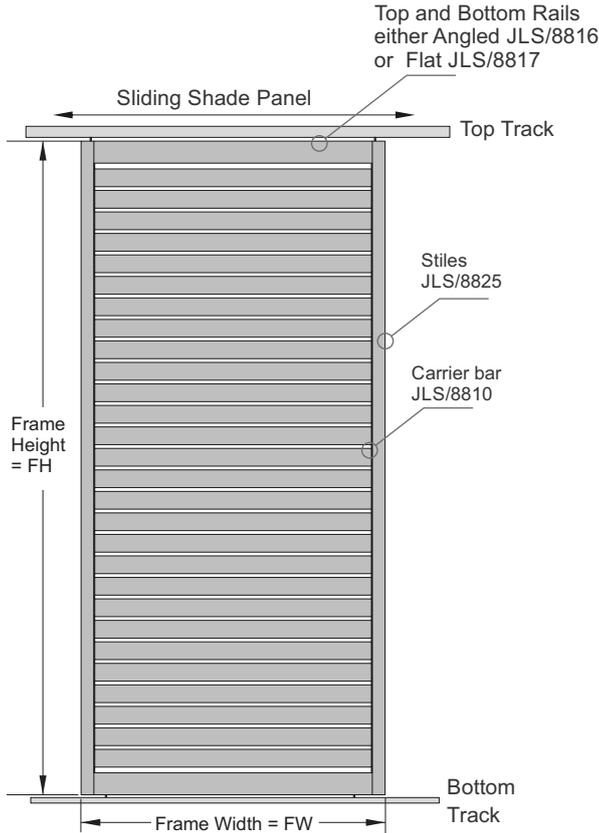


**Juralco Louvrelite® 88 Series Roller Shade Systems**  
**Static Louvres attached to Carrier Bar**

**Section 1 - General**  
 (applies to Top and Bottom Roller systems)

Horizontal Infill 80mm Louvre  
 Variable Spacing

Frame size Max  
 = 1500W x 2700H



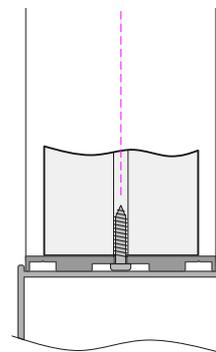
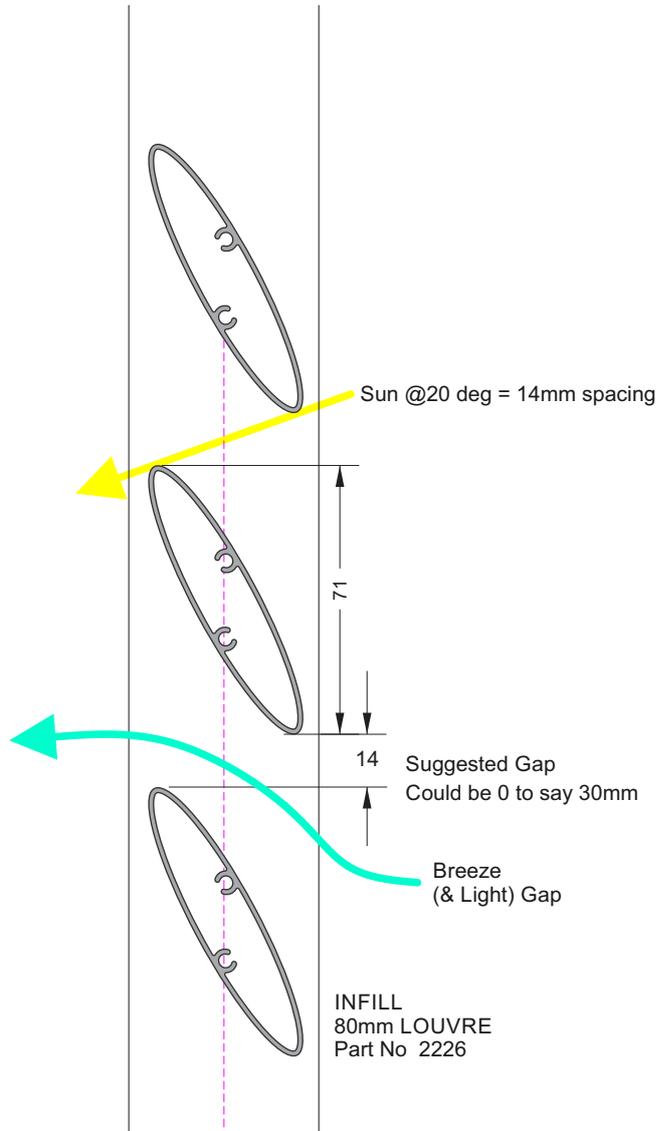
**Horizontal Face on Louvres**

GAP mm	Nominal % Breeze (& Light)
0	23
5	26
10	29
15	32
20	34
25	36
30	38

Unless the Gap is zero this configuration will pass some sunlight to the interior. It will always allow breezes and indirect light.

- Light above means Indirect Light and has little to do with direct sunlight and shade both of which are dependant on orientation, season, time of day and lastly the gap above.

We have Sun Charts graphically showing the relationship between the first three variables for more accurate calculations.



STILE  
 Part No JLS/8825

**TOP VIEW**



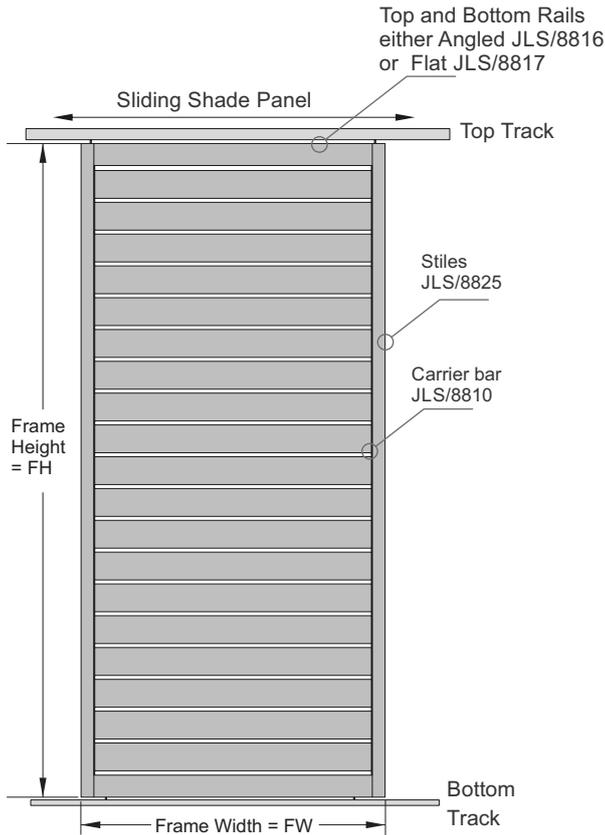
CARRIER BAR Part No JLS/8810  
 Drill holes 4mmØ for No 6x20  
 SS SqDr PK Screws

**Juralco Louvrelite® 88 Series Roller Shade Systems**  
**Static Louvres attached to Carrier Bar**

**Section 1 - General**  
 (applies to Top and Bottom Roller systems)

Horizontal Infill 120mm Louvre  
 Variable Spacing

Frame size Max  
 = 1500W x 2700H



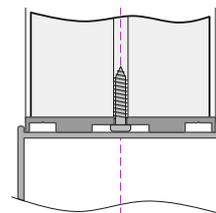
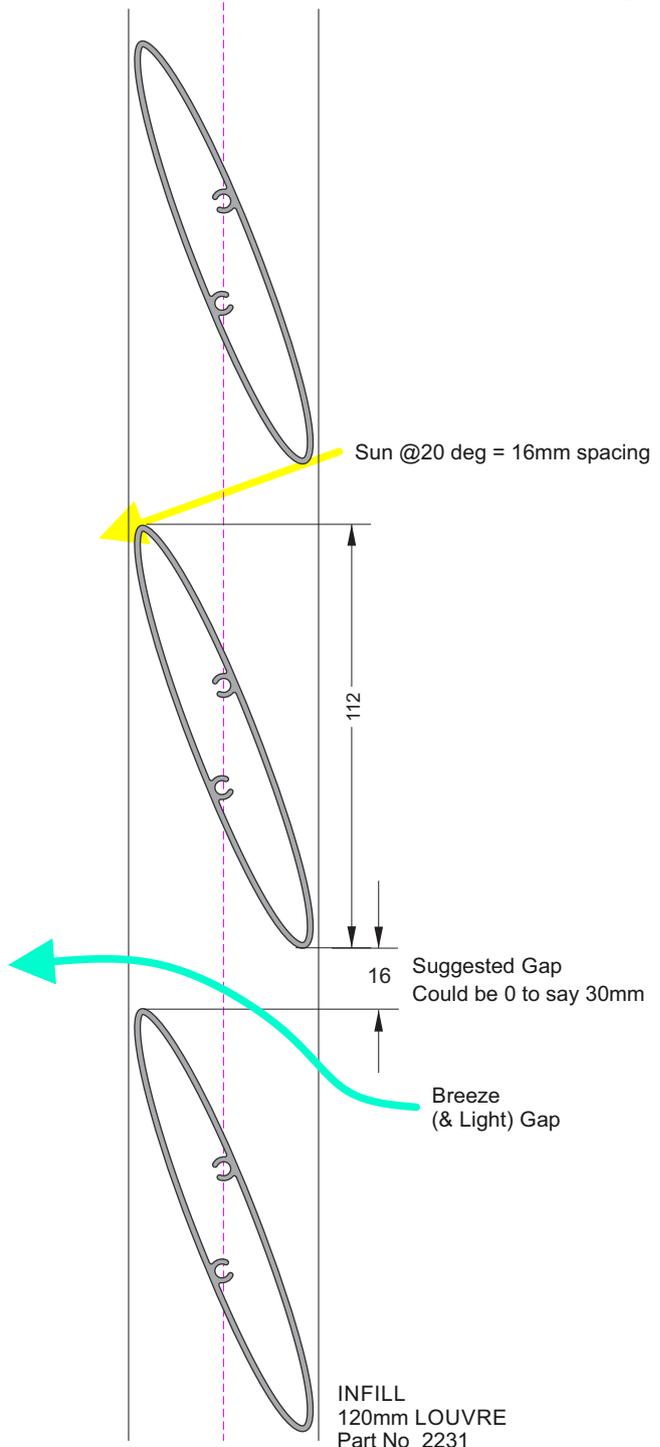
**Horizontal Face on Louvres**

GAP mm	Nominal % Breeze (& Light)
0	21
5	22
10	24
15	26
20	27
25	28
30	30

Unless the Gap is zero this configuration will pass some sunlight to the interior. It will always allow breezes and indirect light.

- Light above means Indirect Light and has little to do with direct sunlight and shade both of which are dependant on orientation, season, time of day and lastly the gap above.

We have Sun Charts graphically showing the relationship between the first three variables for more accurate calculations.



**STILE**  
 Part No JLS/8825

**TOP VIEW**



**CARRIER BAR** Part No JLS/8810  
 Drill holes 4mmØ for No 6x20  
 SS SqDr PK Screws

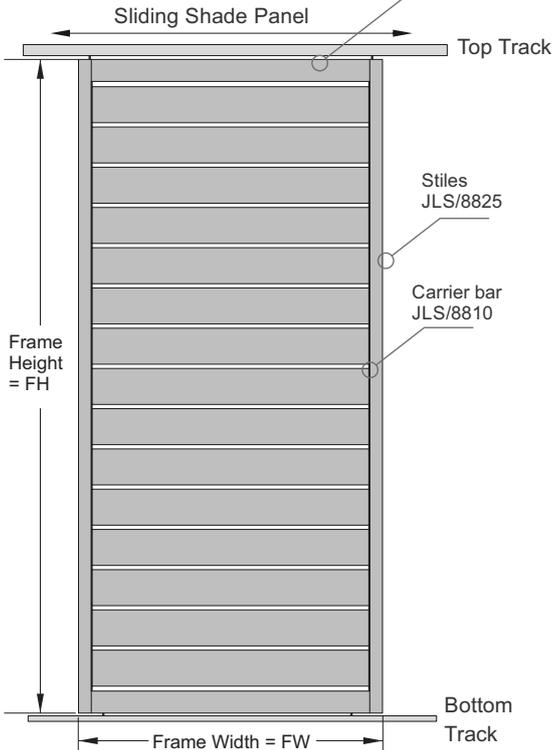
**Juralco Louvrelite® 88 Series Roller Shade Systems**  
**Static Louvres attached to Carrier Bar**

**Section 1 - General**  
 (applies to Top and Bottom Roller systems)

Horizontal Infill 150mm Louvre  
 Variable Spacing

Frame size Max  
 = 1500W x 2700H

Top and Bottom Rails  
 either Angled JLS/8816  
 or Flat JLS/8817



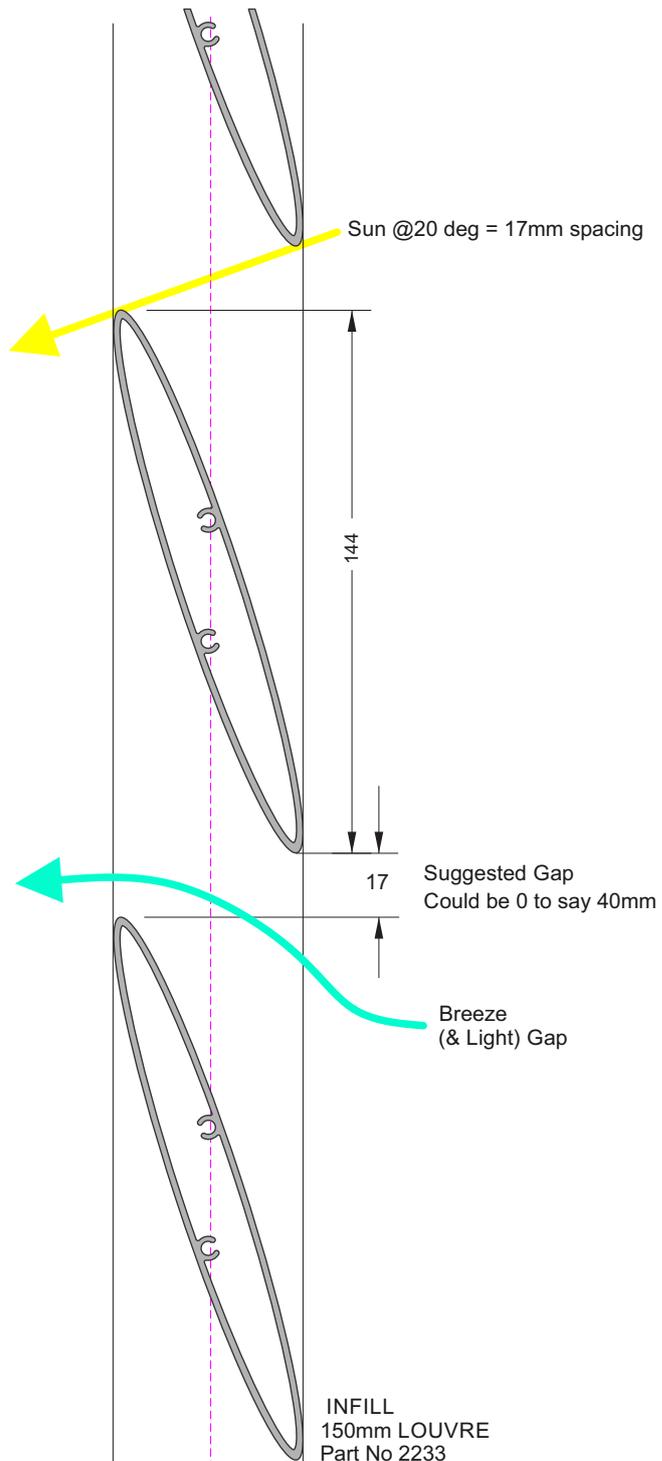
**Horizontal Face on Louvres**

GAP mm	Nominal % Breeze (& Light)
0	20
5	21
10	23
15	24
20	25
25	26
30	27
35	28
40	30

Unless the Gap is zero this configuration will pass some sunlight to the interior. It will always allow breezes and indirect light.

- Light above means Indirect Light and has little to do with direct sunlight and shade both of which are dependant on orientation, season, time of day and lastly the gap above.

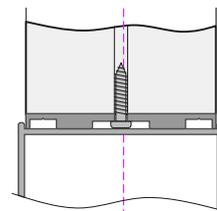
We have Sun Charts graphically showing the relationship between the first three variables for more accurate calculations.



Suggested Gap  
 Could be 0 to say 40mm

Breeze  
 (& Light) Gap

INFILL  
 150mm LOUVRE  
 Part No 2233



STILE  
 Part No JLS/8825

**TOP VIEW**

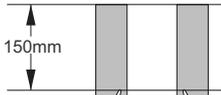


CARRIER BAR Part No JLS/8810  
 Drill holes 4mmØ for No 6x20  
 SS SqDr PK Screws

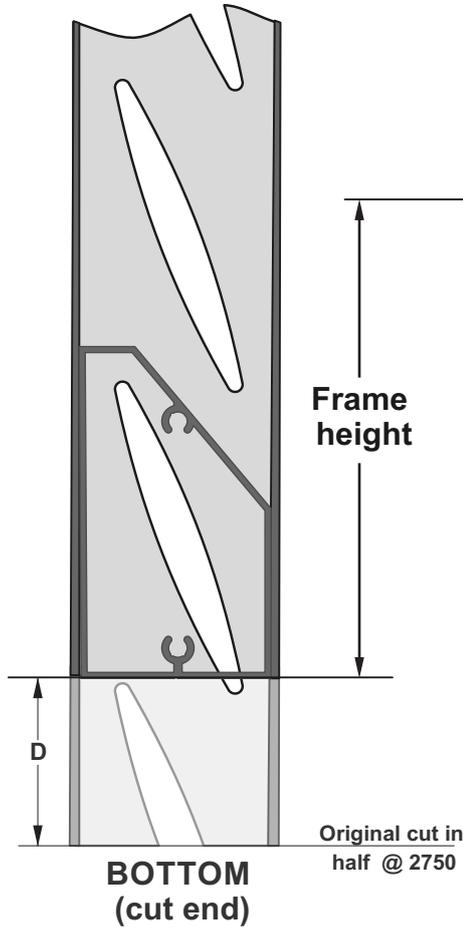
Static Horizontal Infill  
 Light 88mm Louvre - Fixed Spacing

STILE (for 88mm Louvre application only)  
 JLS/8815 ML/5.5 (pre machined, Left Hand)  
 JLS/8815 MR/5.5 (pre machined, Right Hand)

Extrusions to be cut  
 exactly in half  
 = 2750mm  
 (need 1 x RH and  
 1 x LH type per Panel )



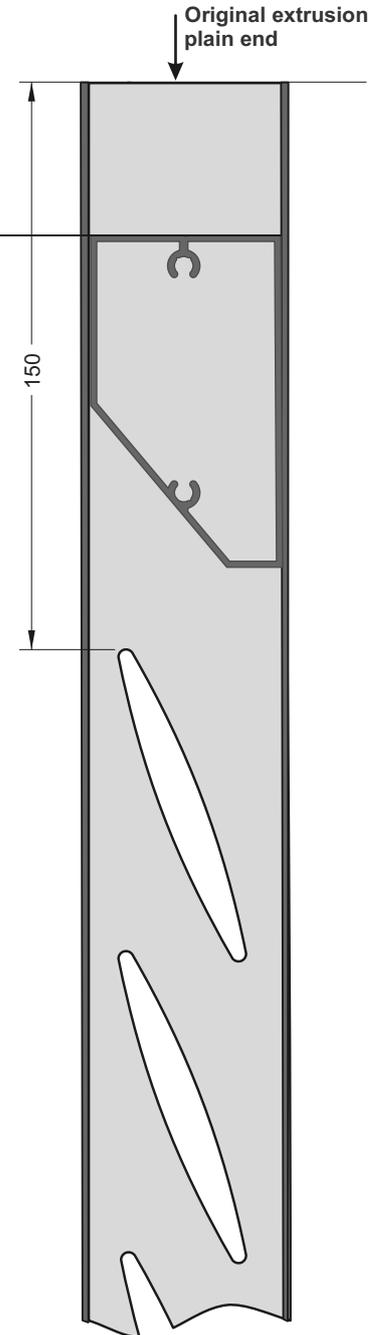
**1 - First step**, is to establish  
 position of Bottom Rail



D = 43mm  
 = Dimension  
 to Bottom of frame.  
**Then increase in 80mm Steps**

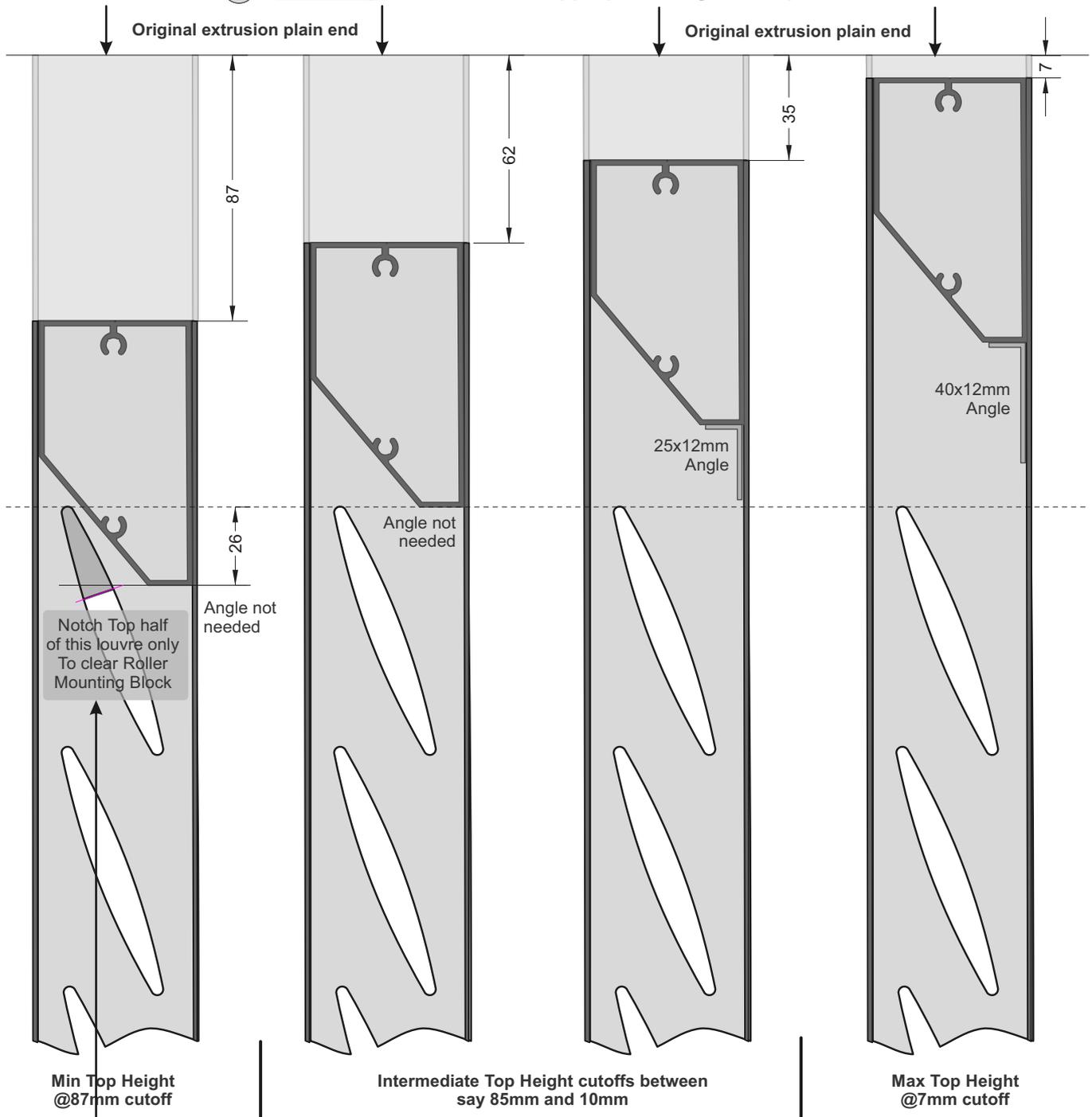
	43mm
	123mm
	203mm
	283mm
	363mm
'D' Dimension	443mm
	523mm
	603mm
	683mm
	763mm
Keeps increasing in 80mm increments	

**2 - Second step**, is to establish  
 position of Top Rail to give  
 correct Frame Height

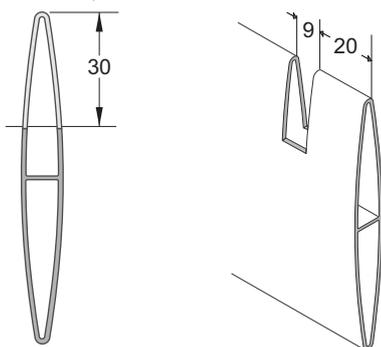


**3 - Third step**, is to select  
 appropriate angle for top infill.  
 See next page

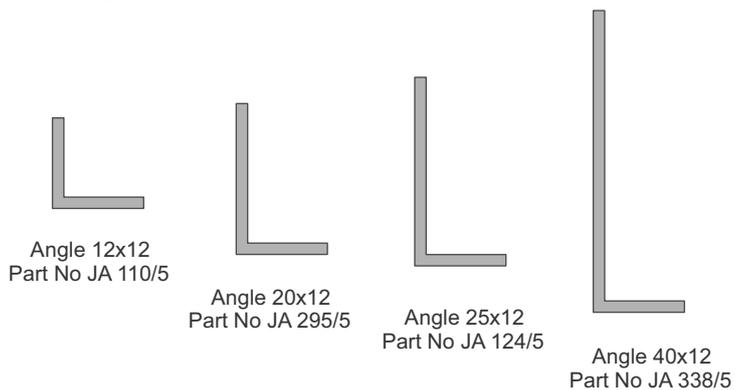
3 - Third step, is to select the appropriate angle for top infill.



This Top Louvre only - slot top half to clear Top Track Mounting Block - 6mm thick



Angles for top infill.

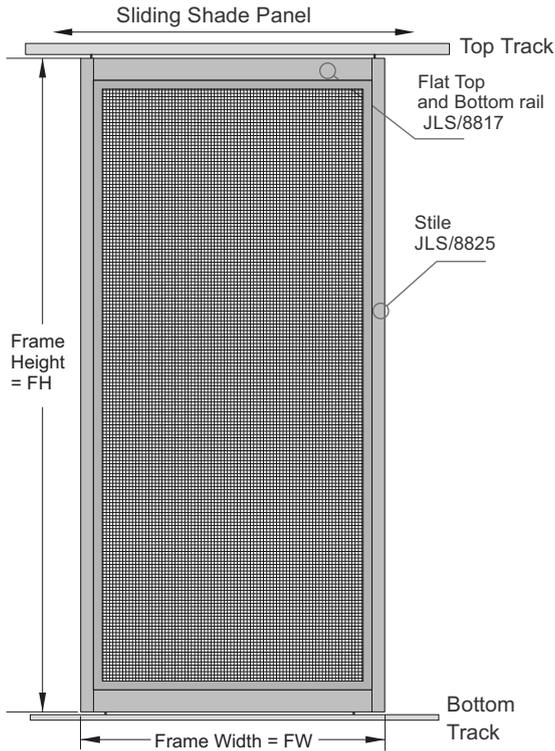


# Juralco Louvrelite® 88 Series Roller Shade Systems Mesh Infills

Section 1 - General  
(applies to Top and Bottom  
Roller systems)

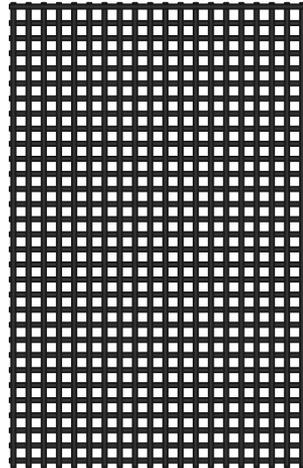
Supascreen and Clearguard  
Screen Infills

Frame size Max  
= 1300W x 2600H



Supa Screen Mesh

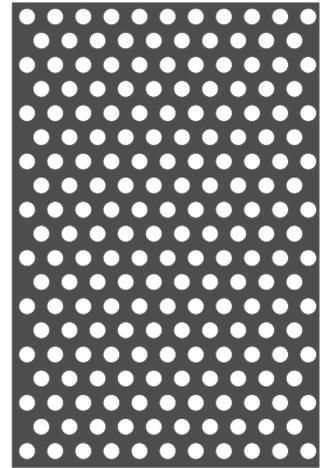
Mesh, Full size



Rigid woven mesh,  
marine quality 316 SS  
Wire 0.25mm dia x 2mm pitch  
Finish, Black Powdercoat

Clearguard Perforated Sheet

Sheet perforations, Full size



Rigid perforated sheet,  
Hardened aluminium  
Sheet 14g dia x 2.2mm holes  
Finish, Black Powdercoat

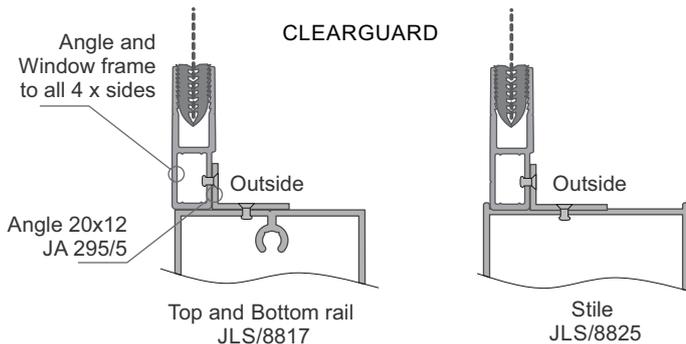
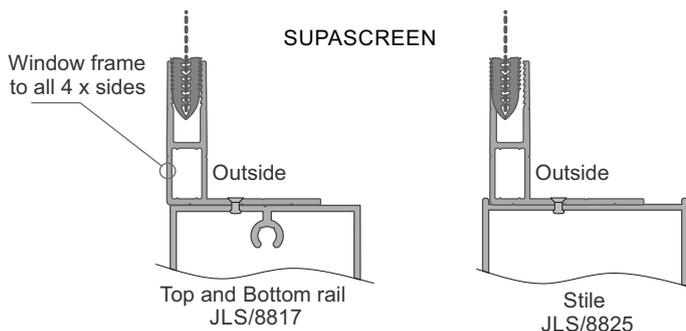
## Supascreen Mesh Sheets

Sheet Part No	Width mm	Length mm
JCG/SSA/2.0	750	2000
JCG/SSA/2.4	750	2400
JCG/SSC/2.0	900	2000
JCG/SSC/2.4	900	2400
JCG/SSD/2.0	1200	2000
JCD/SSD/2.4	1200	2400

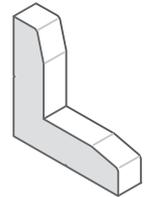
## Clearguard Sheet Sizes

Sheet Part No	Width mm	Length mm
JCG/ALA/2.0	750	2000
JCG/ALC/2.0	900	2000
JCG/ALD/2.0	1200	2000
JCG/ALD/2.4	1200	2400

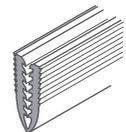
Note : Maximum Shade Panel sizes for Both Types is 1300W x 2600H



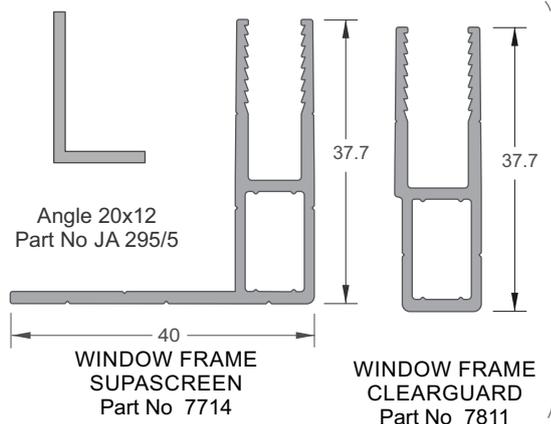
Corner Stake  
Part No JCG 539



Supa Screen Plug  
Part No JCG Tape

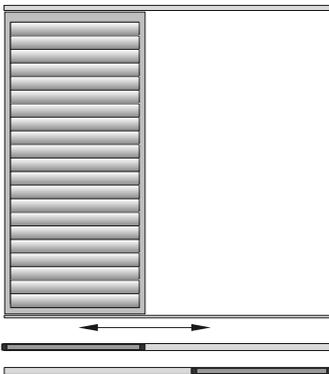


4mt Lengths



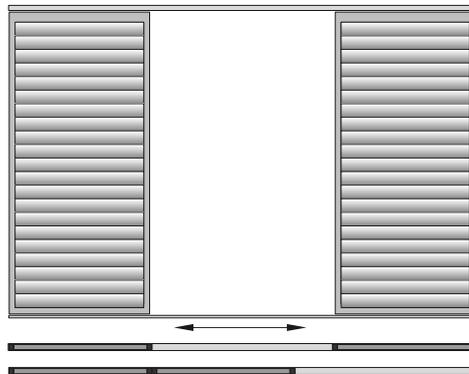
**PARTIAL SHADE - Horizontal Pivoting Louvres. Track OW min 2.4m OW max 10m  
Door Frame Widths min 1200, max 1500 Door Frame Height min 1880, max 2700**

1 x Door, 1 x Track



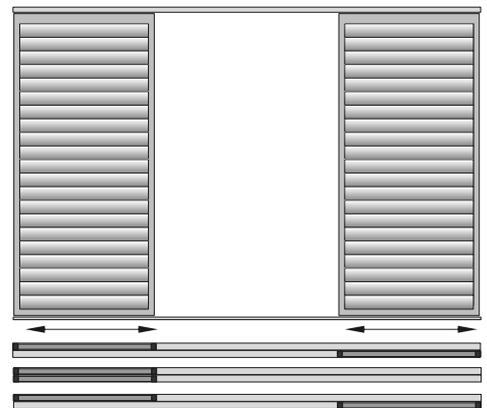
- 1 x Sliding Shade Panel
- For openings about 3.5m max
- All Doors to be equal width
- Gives 40% shade, 60% opening

2 x Doors, 1 x Track



- 2 x Sliding Shade Panels
- For openings about 5m max
- All Doors to be equal width
- Gives 60% shade, 40% opening

2 x Doors, 2 x Tracks



- 2 x Sliding Shade Panels
- For openings about 5m max
- All Doors to be equal width
- Gives 60% shade, 70% opening

3 x Doors, 2 x Tracks



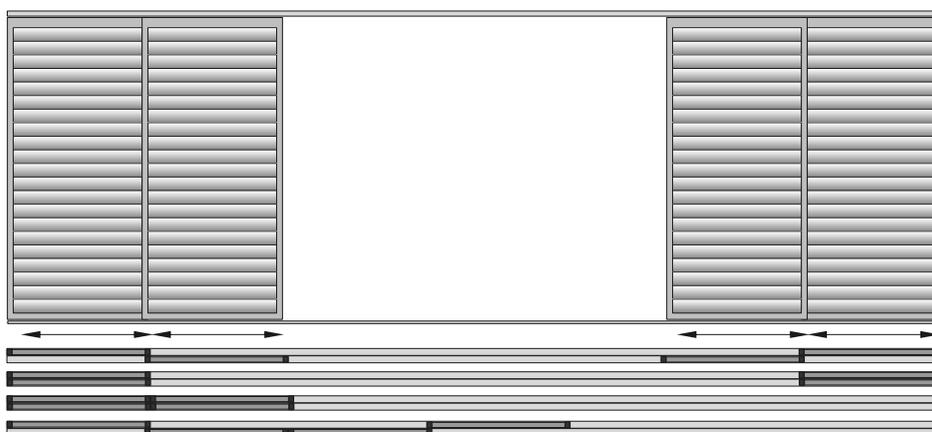
- 3 x Sliding Shade Panels. - For openings about 7.5m max
- All Doors to be equal width. - Gives 60% shade, 60% opening

3 x Doors, 3 x Tracks

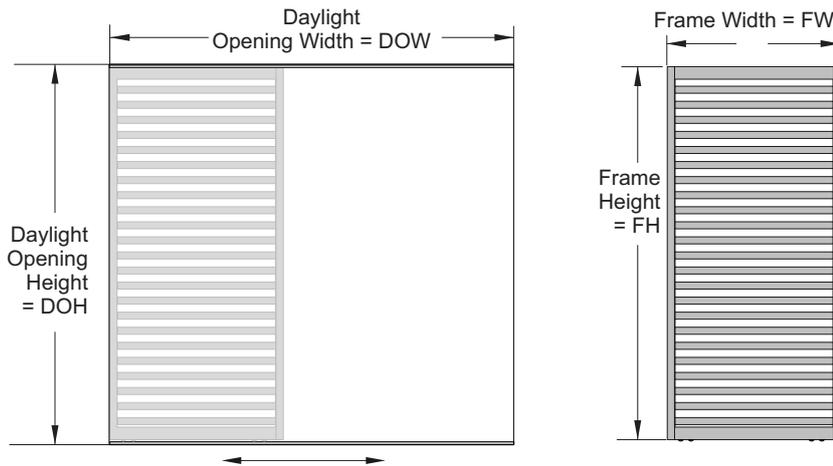


- 3 x Sliding Shade Panels.- For openings about 7.5m max
- All Doors to be equal width. - Gives 60% shade, 80% opening

4 x Doors, 2 x Tracks



- 4 x Sliding Shade Panels. - For openings about 10m max
- All Doors to be equal width. - Gives 60% shade, 70% opening.



**Note: Applies to Door Panel arrangement providing some shade, ie can't be fully closed off**

	Heights	Part	Formula in mm
1a	Frame Stile, Top Roller	JLS 8815 or JLS 8225	$OH - 105 = FH$
1b	Frame Stile, Btm Roller	JLS 8815 or JLS 8225	$OH - 55 = FH$
1	Infill - Vertical Rectangular Slat	JVB 018, JVB 019 or JGF 2227	$FH - 184 = \text{Slat H}$
2	Carrier Bar for Horizontal Slats	JLS 8810	$FH - 176$

	Widths	Part	Formula in mm
1	Top, Bottom Rails	JLS 8815 Sq or JLS 8816 angled	$FW - 98 = \text{Rail W}$
2	Infill - Horizontal Rectangular Slats	JVB 018, JVB 019 or JGF 2227	$FW - 106 = \text{Slat W}$
3	Infill - Horizontal Louvre Slats	JLS 8818, JGF 2225, JGF 2226, JGF 2231 or JGF 2233	$FW - 40 = \text{Louvre W}$
4	Top Track	JLS 8824	OW
5	Bottom Track	JLS 8814	OW
6	Carrier Bar for Vertical Slats	JLS 8810	$FW - 98$

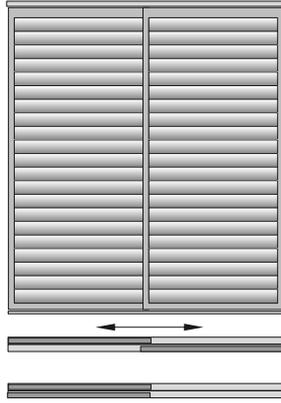
**Frame size for Slat or Louvre infills = 1500W x 2700H Max**  
**Frame size for Supascreen or Clearguard infills = 1300W x 2600H Max**

**Juralco Louvrelite® 88 Series Roller Shade Systems**  
**Multiple Doors. Can be fully closed off**

**Section 1 - General**  
 (applies to Top and Bottom  
 Roller systems)

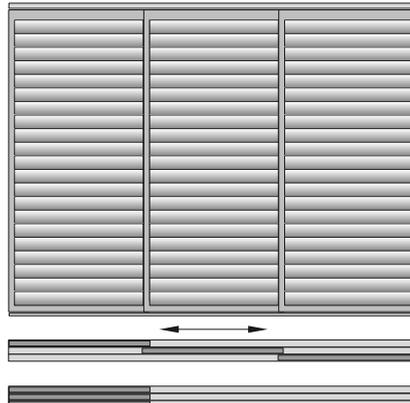
**Horizontal Pivoting Louvre Doors Track OW min 2.4m, OW max 5.75m**  
**Door Frame Widths min 1200, max 1500 Door Frame Height min 1880, max 2700**

**2 x Doors, 2 x Tracks**



- 2 x Sliding Shade Panels
- OW max = 2950mm
- All Doors to be equal width
- Gives 100% shade, 50% opening

**3 x Doors, 3 x Tracks**



- 3 x Sliding Shade Panels
- OW max = 4400mm
- All Doors to be equal width
- Gives 100% shade, 66% opening

**4 x Doors, 2 x Tracks**

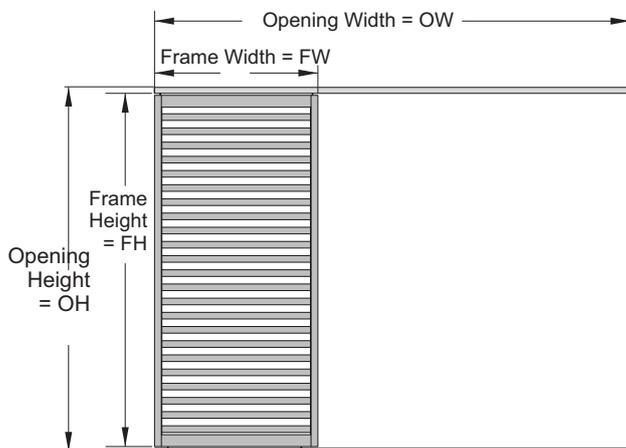


- 4 x Sliding Shade Panels
- OW max = 5750mm (1xTrack length)
- All Doors to be equal width
- Gives 100% shade, 50% opening

**Note: Applies to Door Panel arrangement providing full shade if desired**

**Static Louvre/Slats**

	Widths - Closed Area Type	Formula in mm
1	Two Door -Twin Track	$FW = (OW + 50)/2$
2	Three Door - Triple Track	$FW = (OW + 100)/3$
3	Four Door - Twin Track	$FW = (OW + 100)/4$



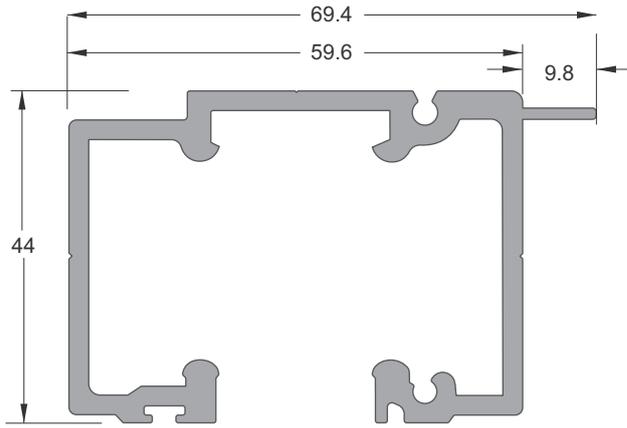
**Static Louvre/Slats**

	Heights	Part	Formula in mm
1a	Frame Stile, Top Roller	JLS 8815 or JLS 8225	$OH - 105 = FH$
1b	Frame Stile, Btm Roller	JLS 8815 or JLS 8225	$OH - 55 = FH$
2	Infill - Vertical Rectangular Slat	JVB 018, JVB 019 or JGF 2227	$FH - 184 = \text{Slat H}$
3	Carrier Bar for Horizontal Slats	JLS 8810	$FH - 176$

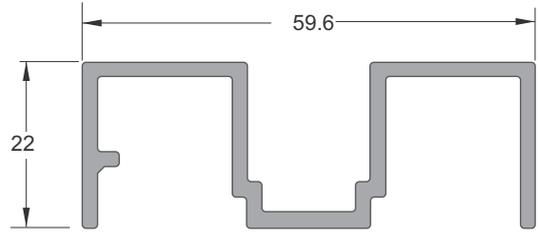
	Widths	Part	Formula in mm
1	Top, Bottom Rails	JLS 8815 flat or JLS 8816 angled	$FW - 98 = \text{Rail W}$
2	Infill - Horizontal Rectangular Slats	JVB 018, JVB 019 or JGF 2227	$FW - 106 = \text{Slat W}$
3	Infill - Horizontal Louvre Slats	JLS 8818, JGF 2225, JGF 2226, JGF 2231 or JGF 2233	$FW - 40 = \text{Louvre W}$
4	Top Track	JLS 8824	OW
5	Bottom Track	JLS 8814	OW
6	Carrier Bar for Vertical Slats	JLS 8810	$FW - 98$

**Frame size for Slat or Louvre infills = 1500W x 2700H Max**

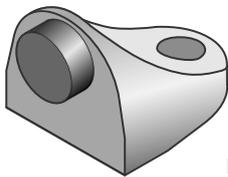
**Frame size for Supascreen or Clearguard infills = 1300W x 2600H Max**



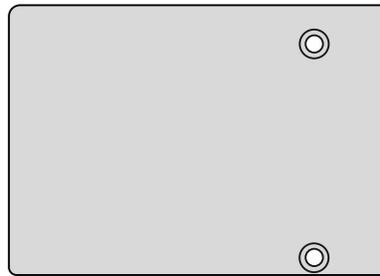
**TOP TRACK**  
Part No JLS/8821/5.8



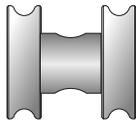
**BOTTOM TRACK**  
Part No JLS/8814/5.8



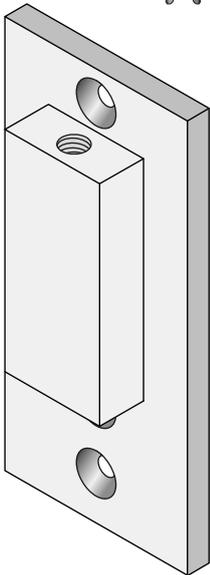
**DOR STOP**  
Part No JP2307B  
(Black)



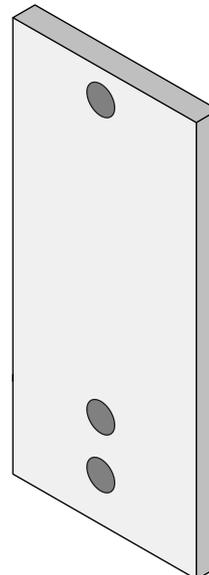
**TOP TRACK END CAP**  
44mm x 60mm ex 3mm AL  
Part No JLS/EC01



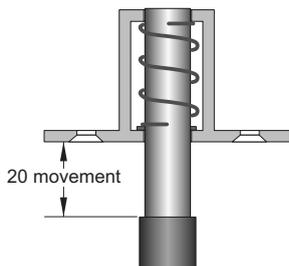
**TOP TRACK ROLLER SET**  
Part No JLS/W02.  
Wheels - DuPont Acetal  
Bearings - 316SS  
Body - 6060 Aluminium



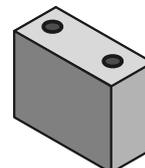
**TOP TRACK ROLLER MOUNT BLOCK and ADJUST SCREW SET**  
ex 6mm and 12mm AL,  
88mm x 50mm x 18mm thick.  
Screw 316SS  
Part No JLS/M02



**TOP or BOTTOM RAIL CLAMP PLATE**  
Part No JLS/CP01



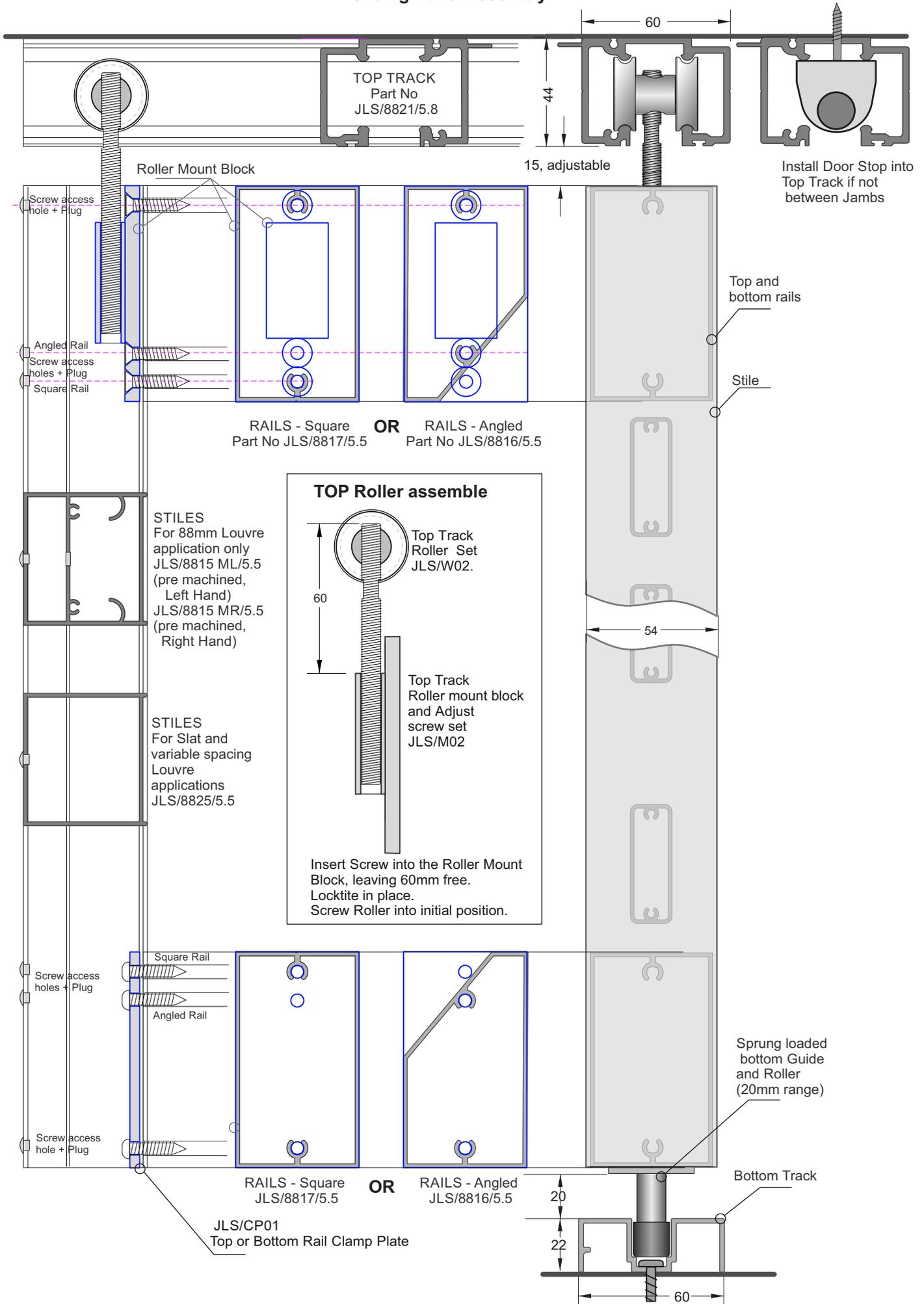
**SPRUNG LOADED GUIDE**  
Part No JLS/G02  
(fits inside 35mm dia hole)  
Roller - DuPont Acetal+ silicon  
Shaft and Spring - 3046SS  
Body - 6060 Anodised Aluminium



**JLS/NB01 NYLON BLOCK**  
19.5 wide x 45 long  
x 35 high

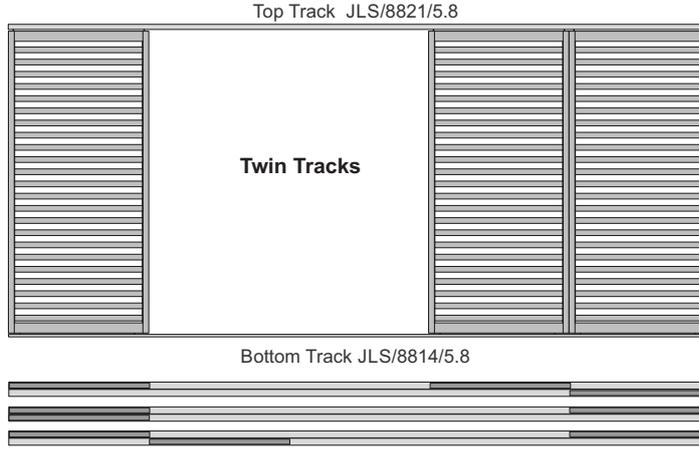
**Juralco Louvrelite® 88 Series Top Roller Shade System  
Sliding Panel Assembly**

**Section 2  
Top Roller**



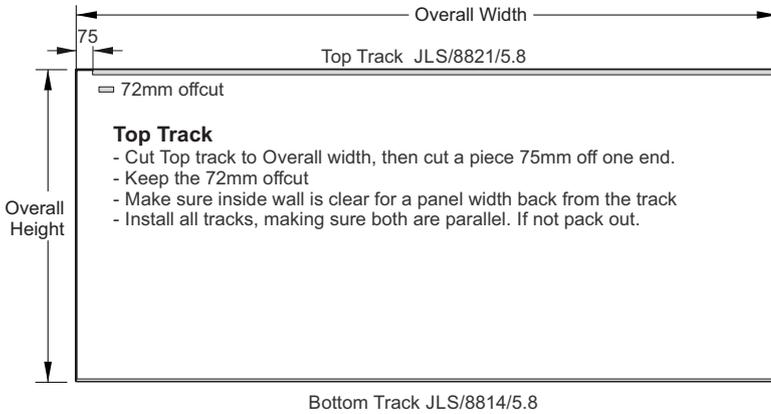
# Juralco Louvrelite® 88 Series Top Roller Shade System Sliding Panel Track Assembly

## 1 - Finished arrangement (example)



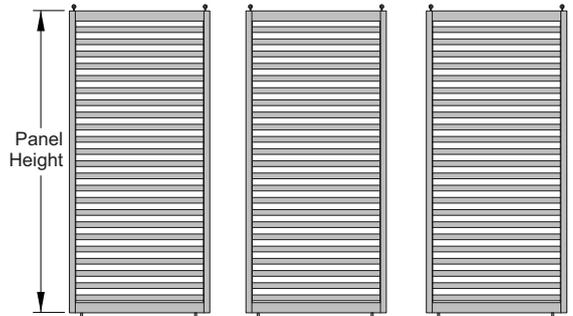
- 3 x Sliding Shade Panels - For Decks
- Doors 1500mm wide max. Twin Track
- For openings about 7.5m wide. Gives 60% shade, 60% opening
- Panels can be placed at either end depending on sun direction

## 2 - Measuring, cutting, Installing Tracks. Cut, assemble Panels

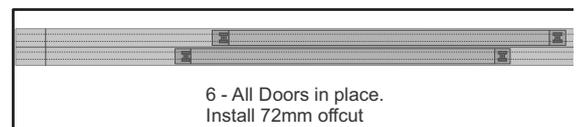
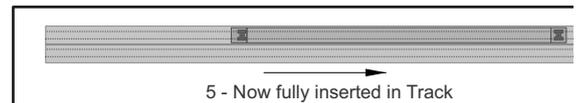
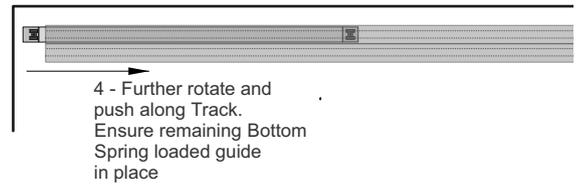
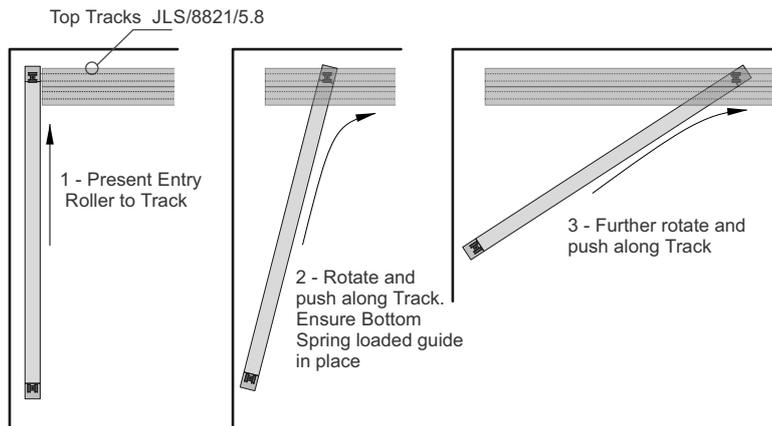


## Panels

- Panel height should be about 100mm less than Overall height
- Fully assemble each door incl Top Rollers and Bottom Spring loaded guide.
- Adjust Rollers to calculated heights



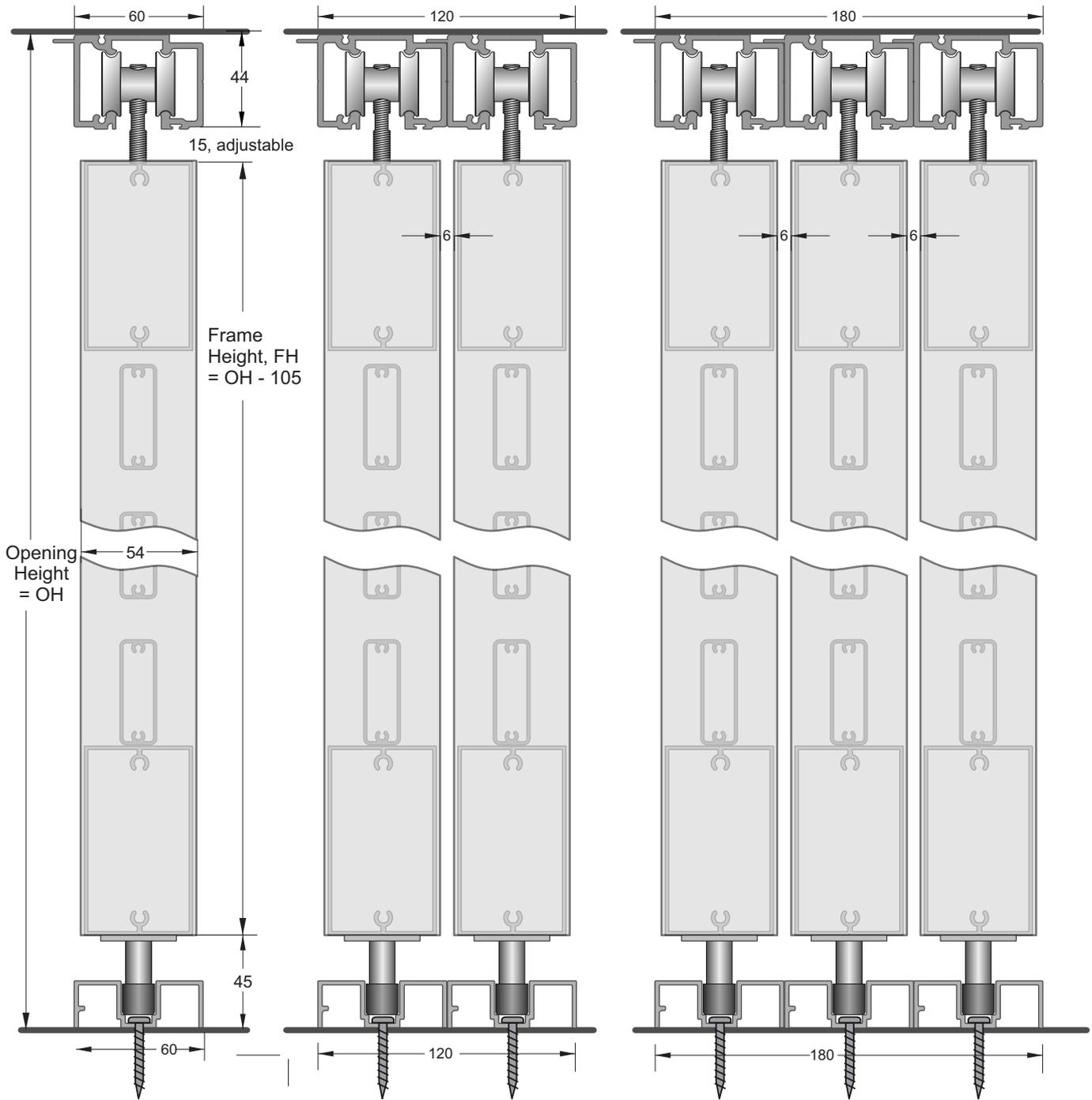
## 3 - Install Doors (plan view)



## 4 - Final Install Doors

- 1 - Insert all Panels.
- 2 - Make height adjustments, ie withdraw the door and rotate Roller on screw, to move up or down.
- 3 - Check for Smooth operation
- 5 - Insert, screw in place the 72mm end sections, making sure a smooth junction

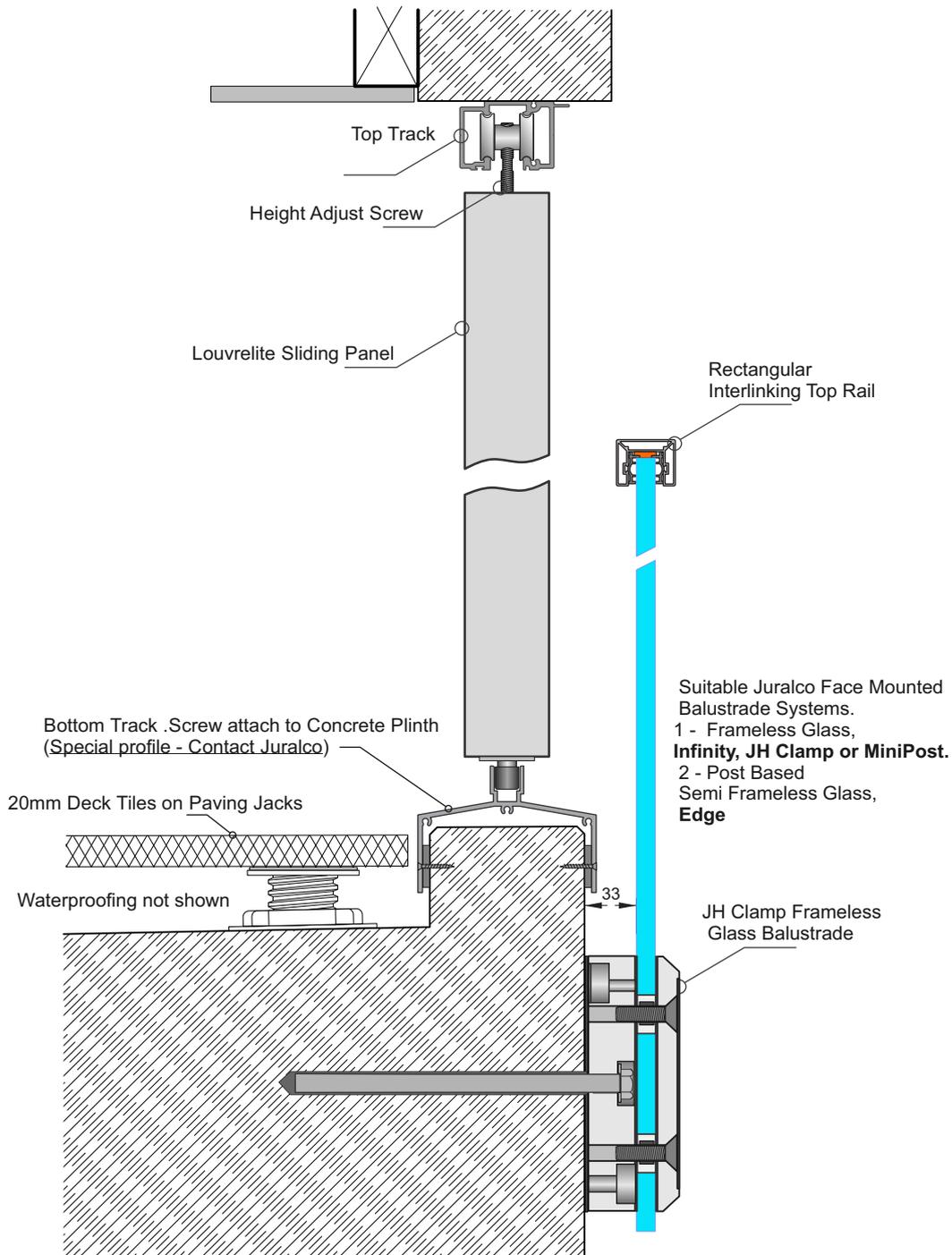
60mm Static Slat infill Shown.  
Could be any of the Infill types  
ie Static Louvres/Slats or Pivoting Louvres



1 and 2 x Sliding Shade Panels  
on a Single Track

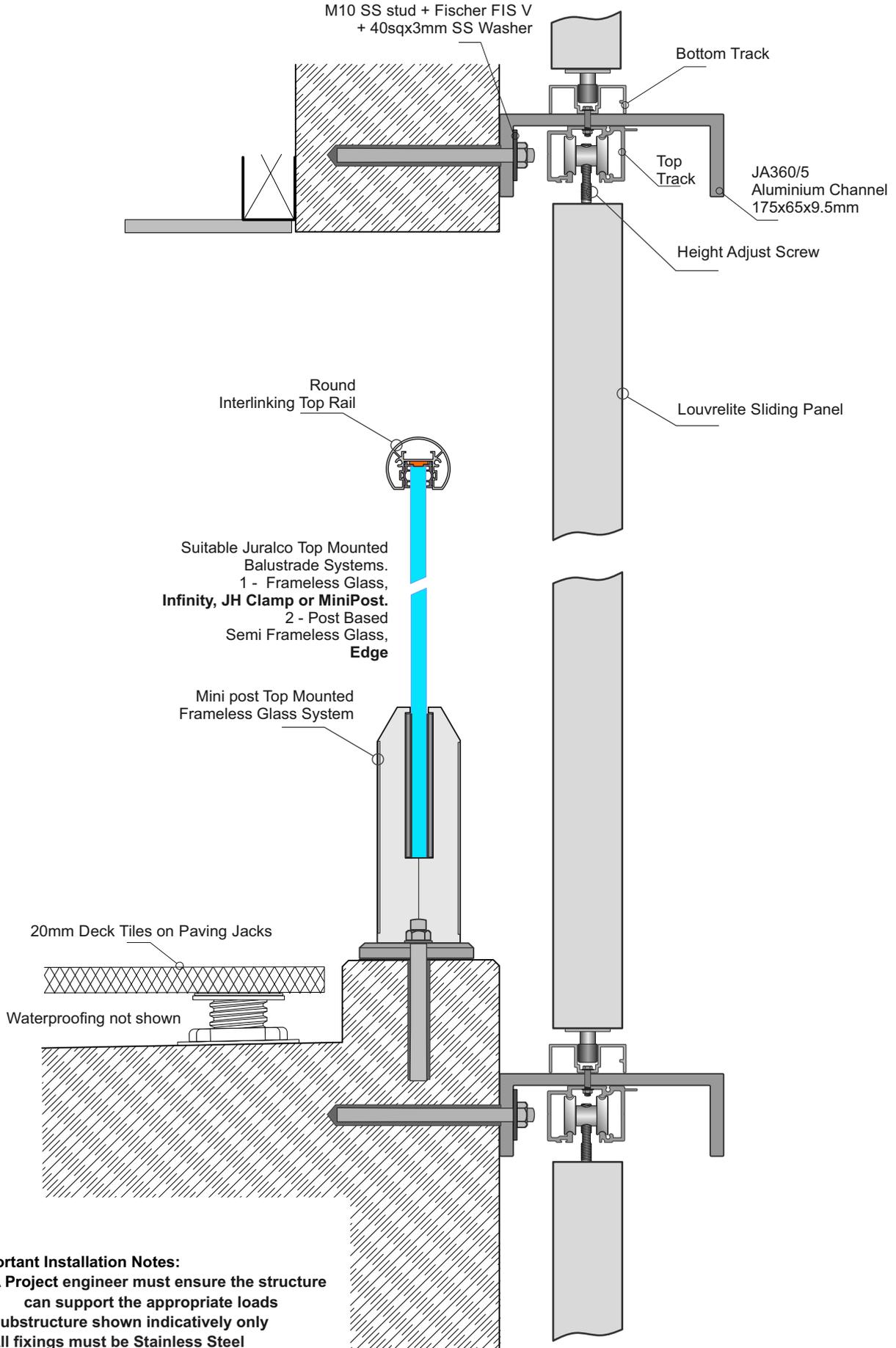
2,3 or 4 x Sliding Shade Panels  
on a Twin Track

3 x Sliding Shade Panels  
on a Triple Track



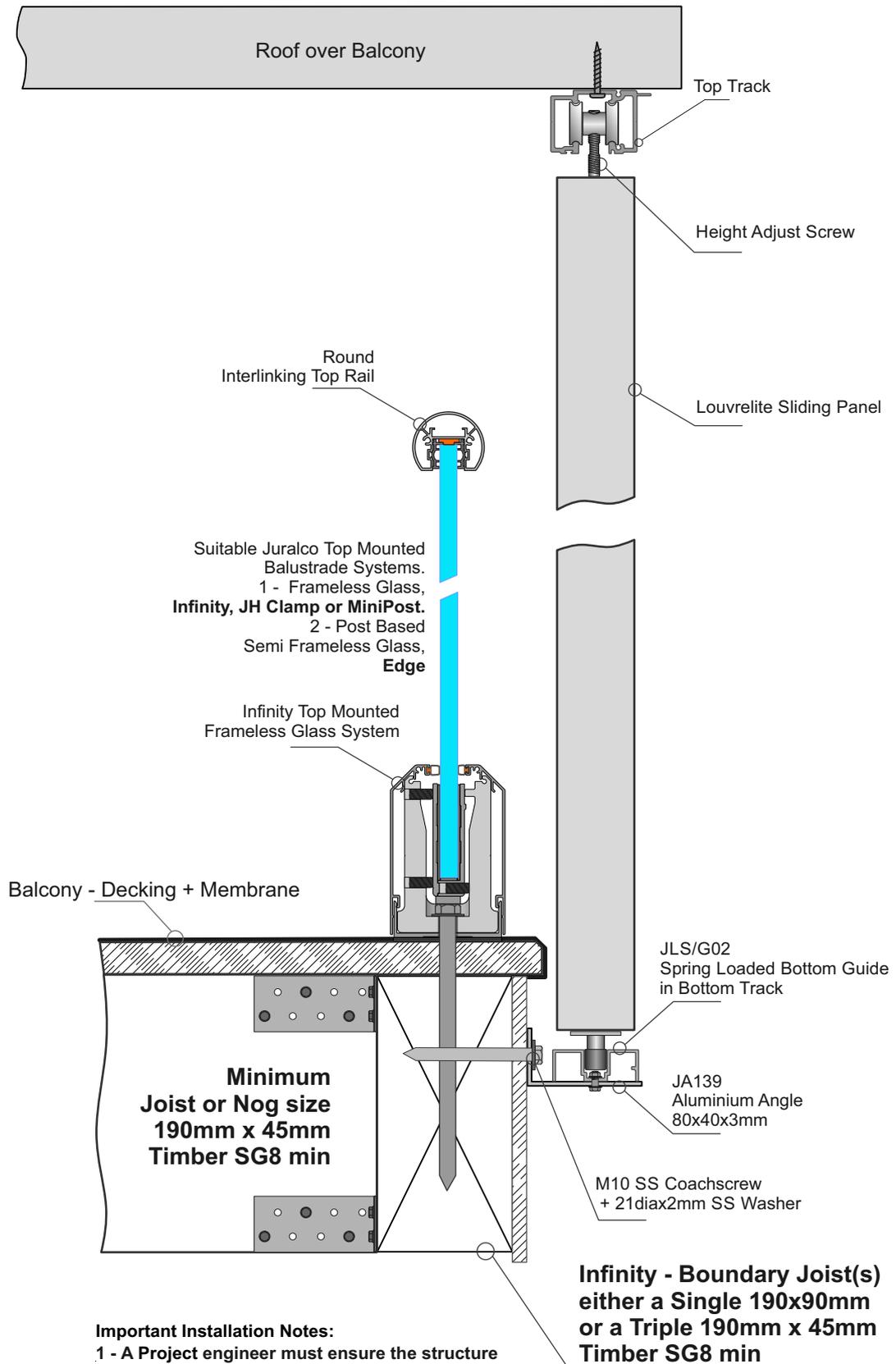
**Important Installation Notes:**

- 1 - A Project engineer must ensure the structure can support the appropriate loads
- 2 - Substructure shown indicatively only
- 3 - All fixings must be Stainless Steel

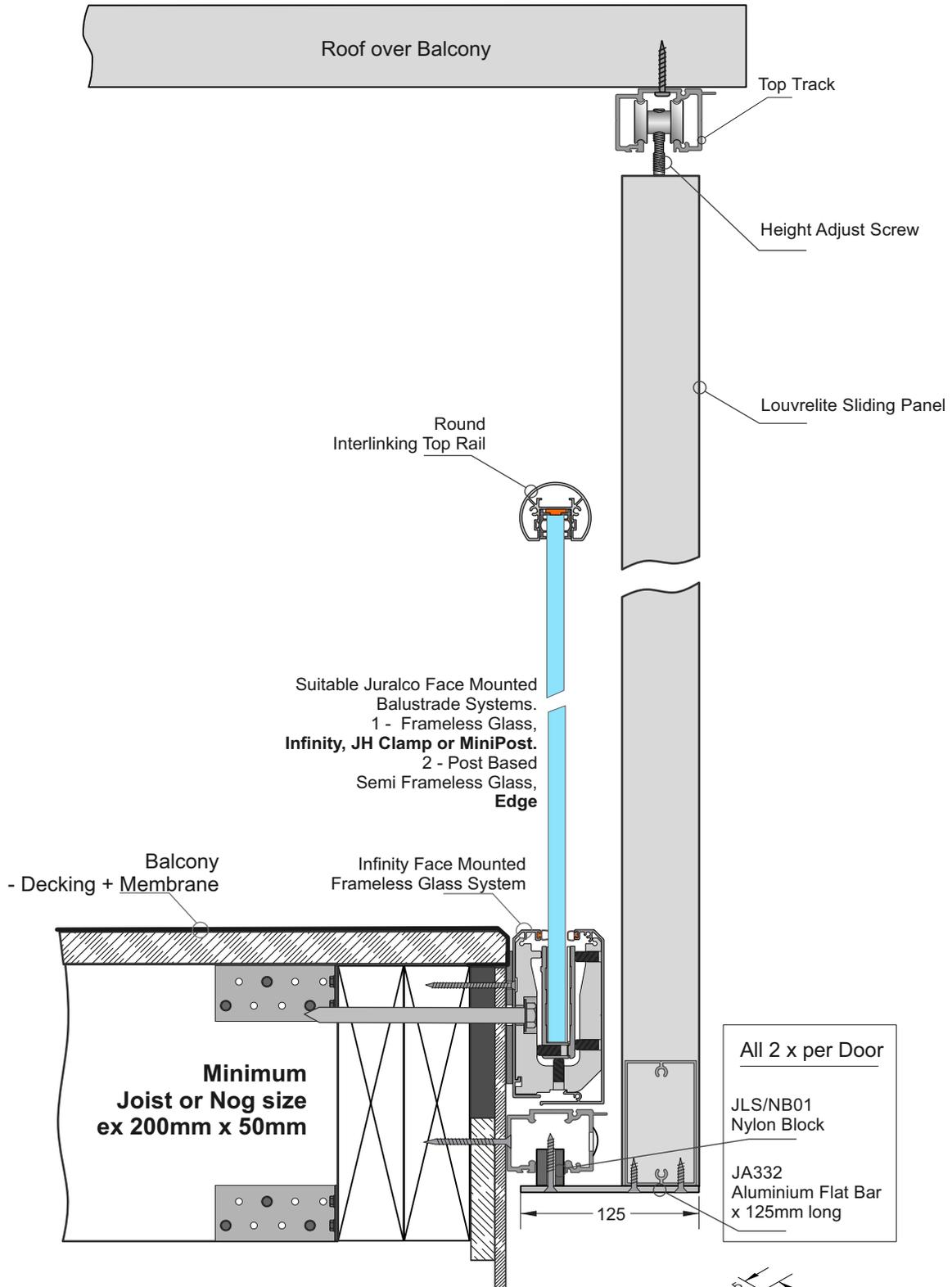


**Important Installation Notes:**

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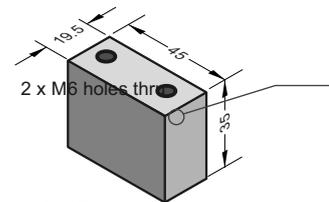


- Important Installation Notes:**
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  - 2 - Substructure shown indicatively only
  - 3 - All fixings must be Stainless Steel

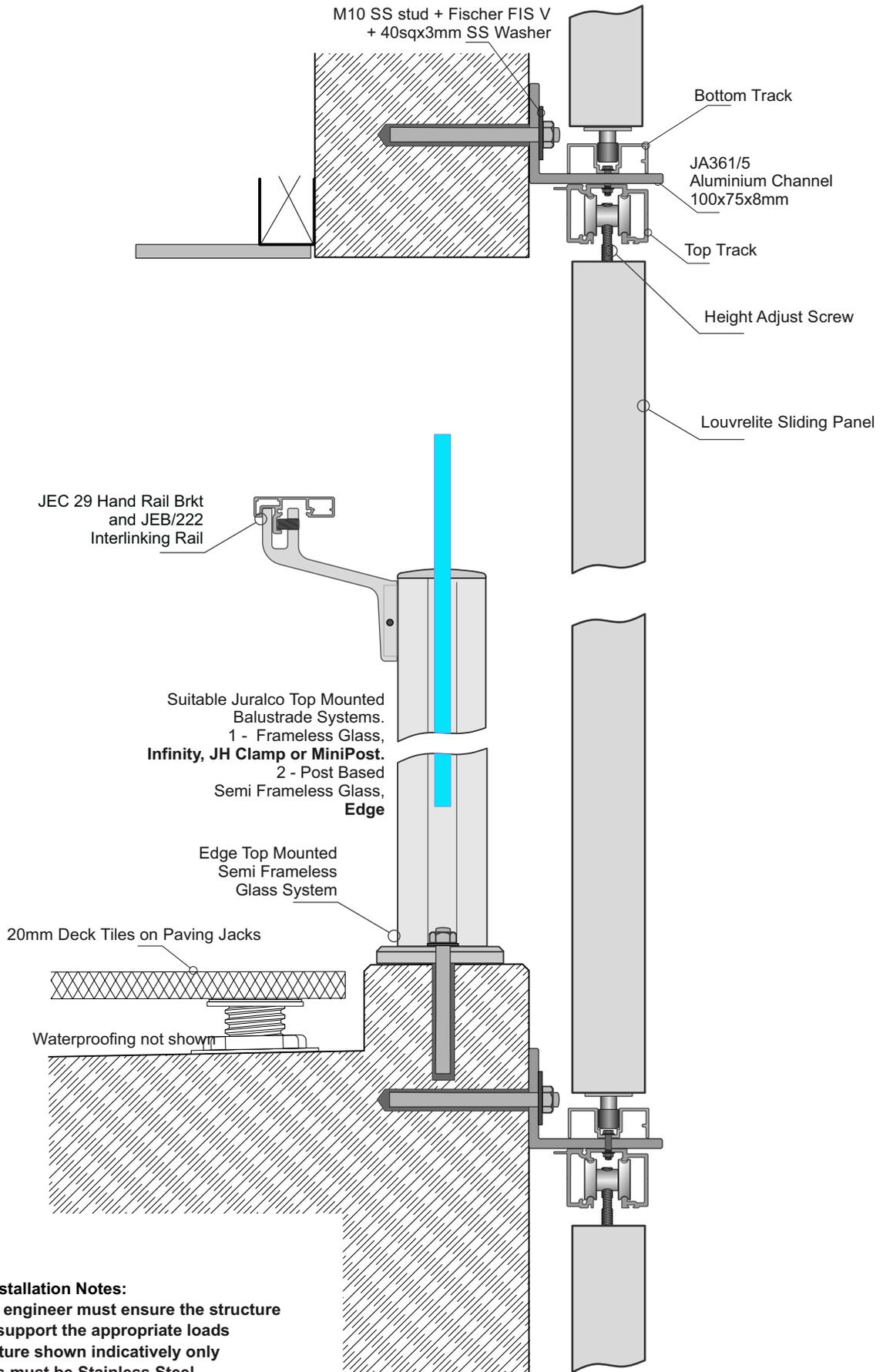


**Important Installation Notes:**

- 1 - A Project engineer must ensure the structure can support the appropriate loads
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- 3 - All fixings must be Stainless Steel

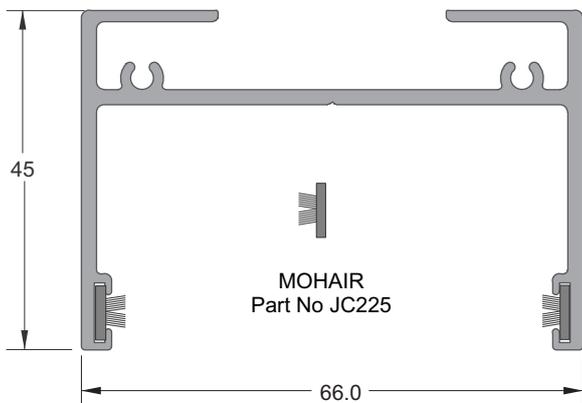


JLS/NB01  
 Nylon Block

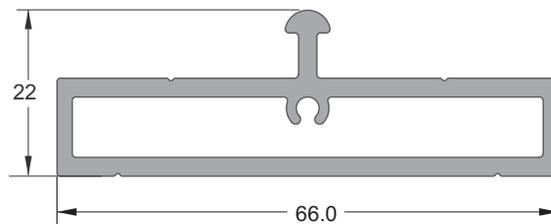


**Important Installation Notes:**

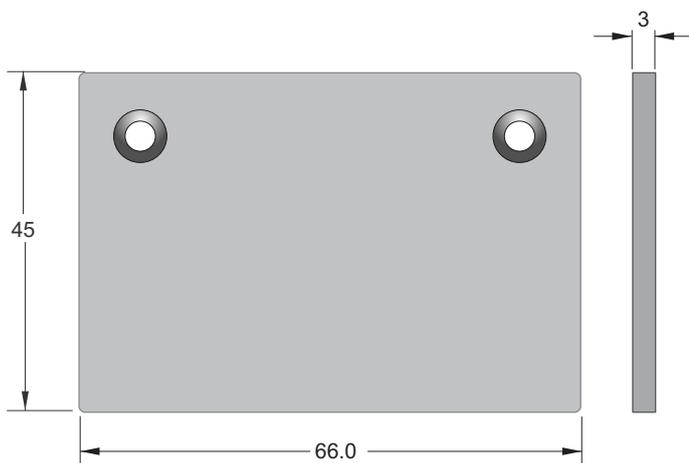
- 1 - A Project engineer must ensure the structure can support the appropriate loads
- 2 - Substructure shown indicatively only
- 3 - All fixings must be Stainless Steel



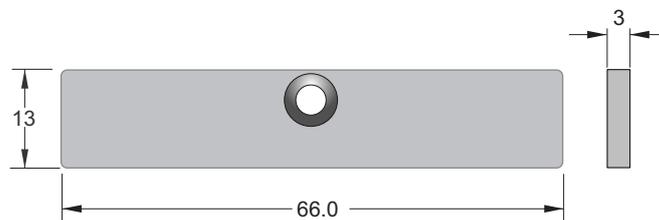
TOP TRACK  
Part No JLS/8805



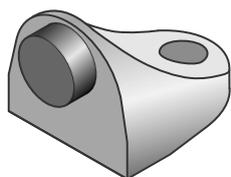
BOTTOM TRACK  
Part No JLS/8804



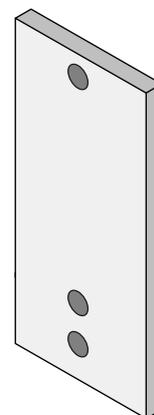
TOP TRACK END CAP  
Part No JLS/EC05



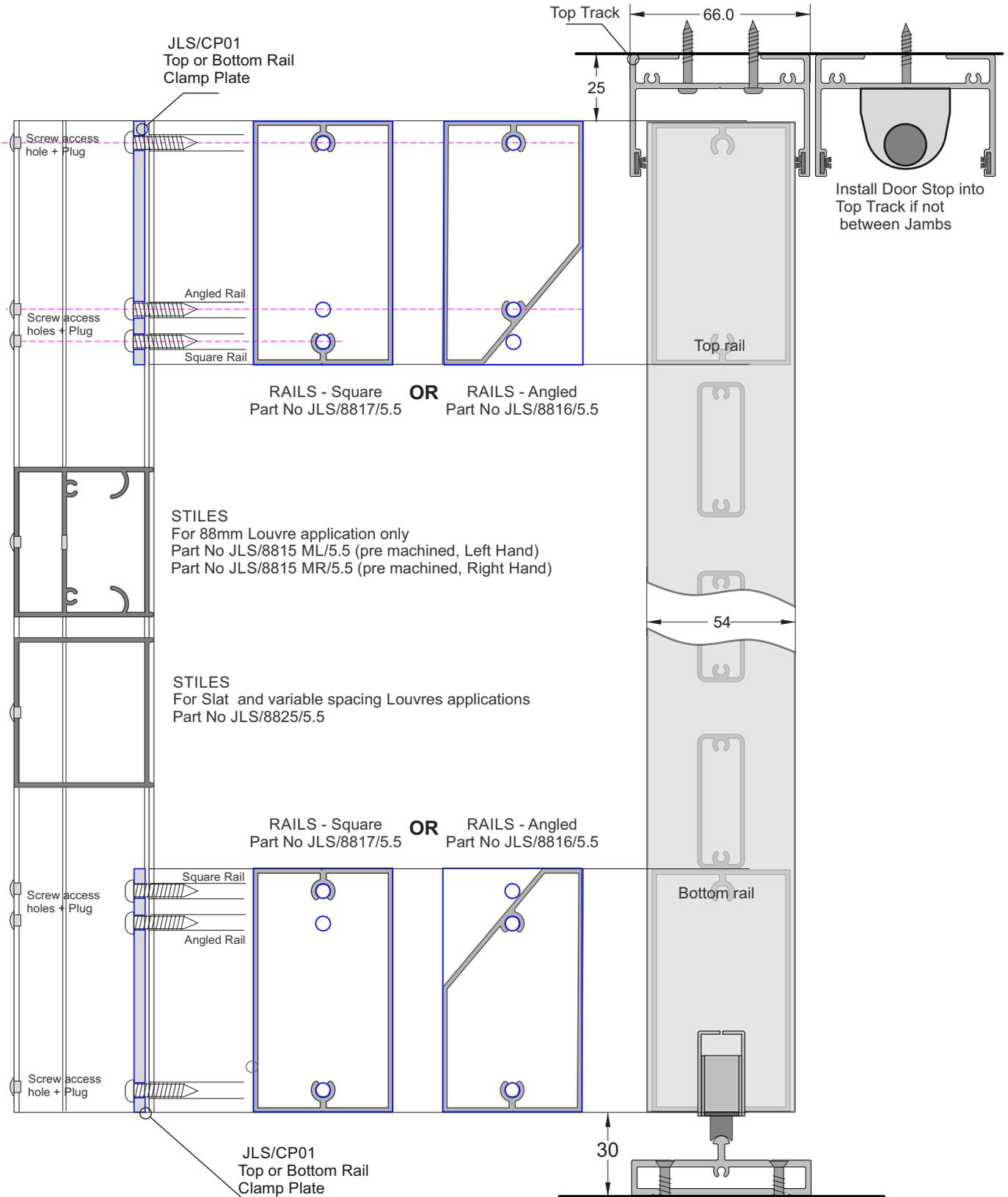
BOTTOM TRACK END CAP  
Part No JLS/EC04



DOR STOP  
Part No JP2307B  
(Black)



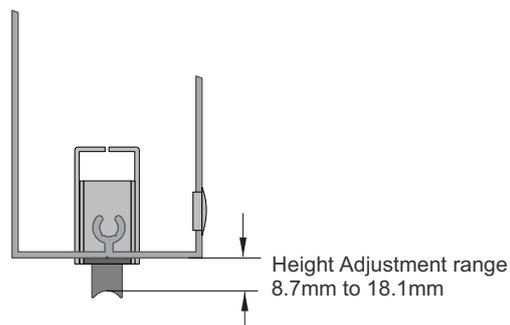
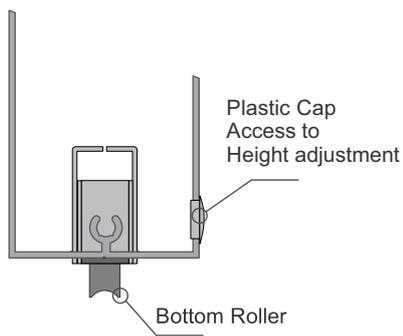
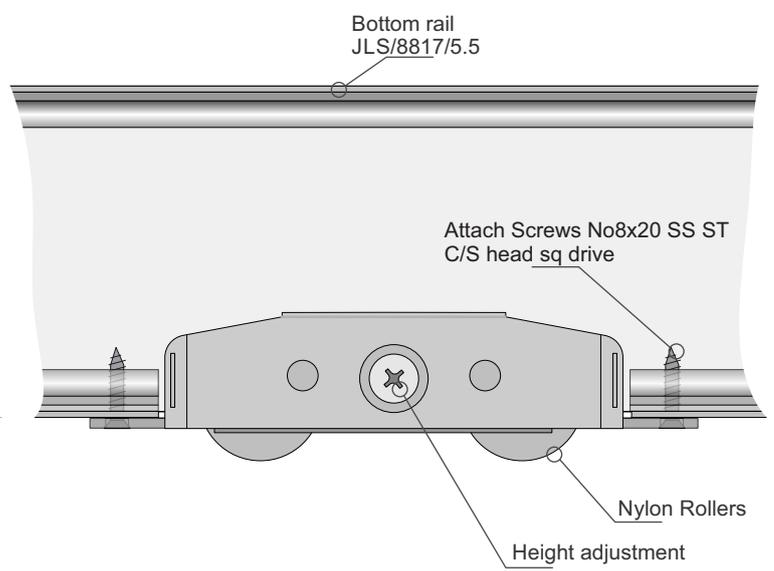
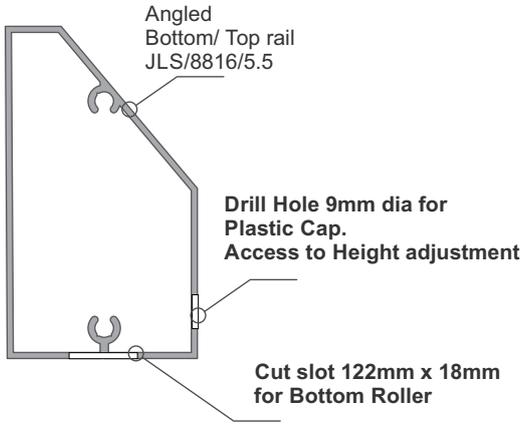
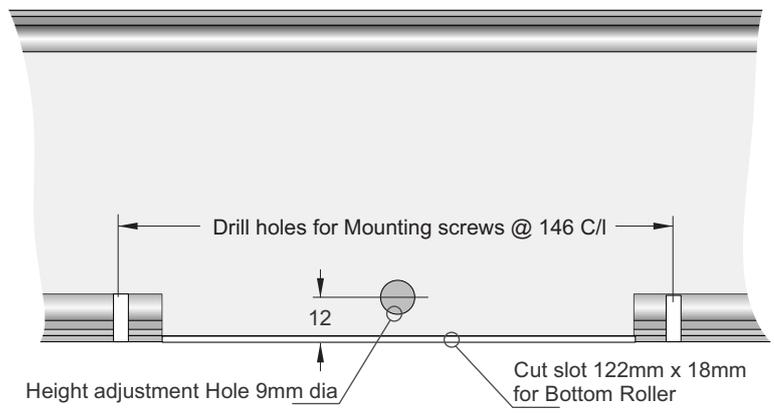
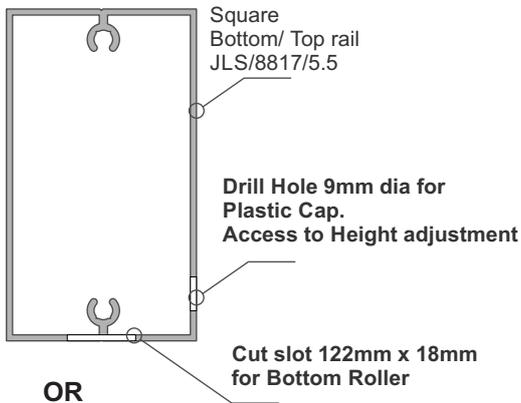
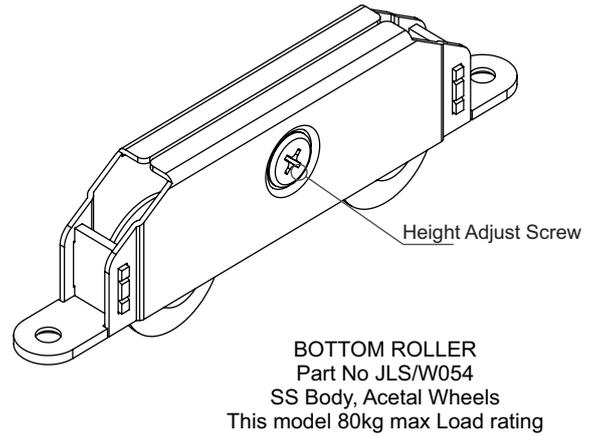
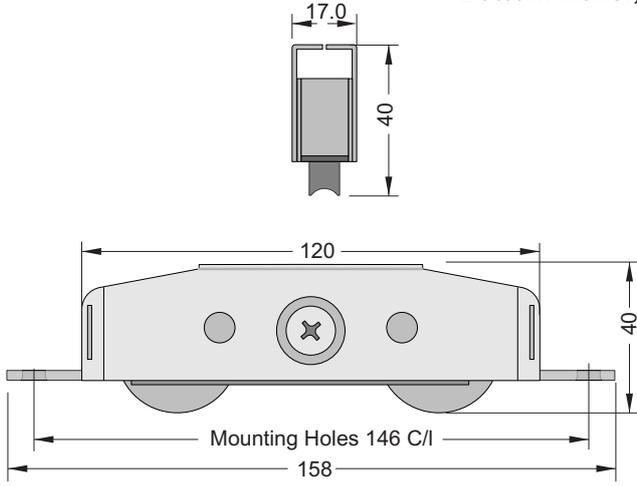
TOP or BOTTOM RAIL  
CLAMP PLATE  
Part No JLS/CP01



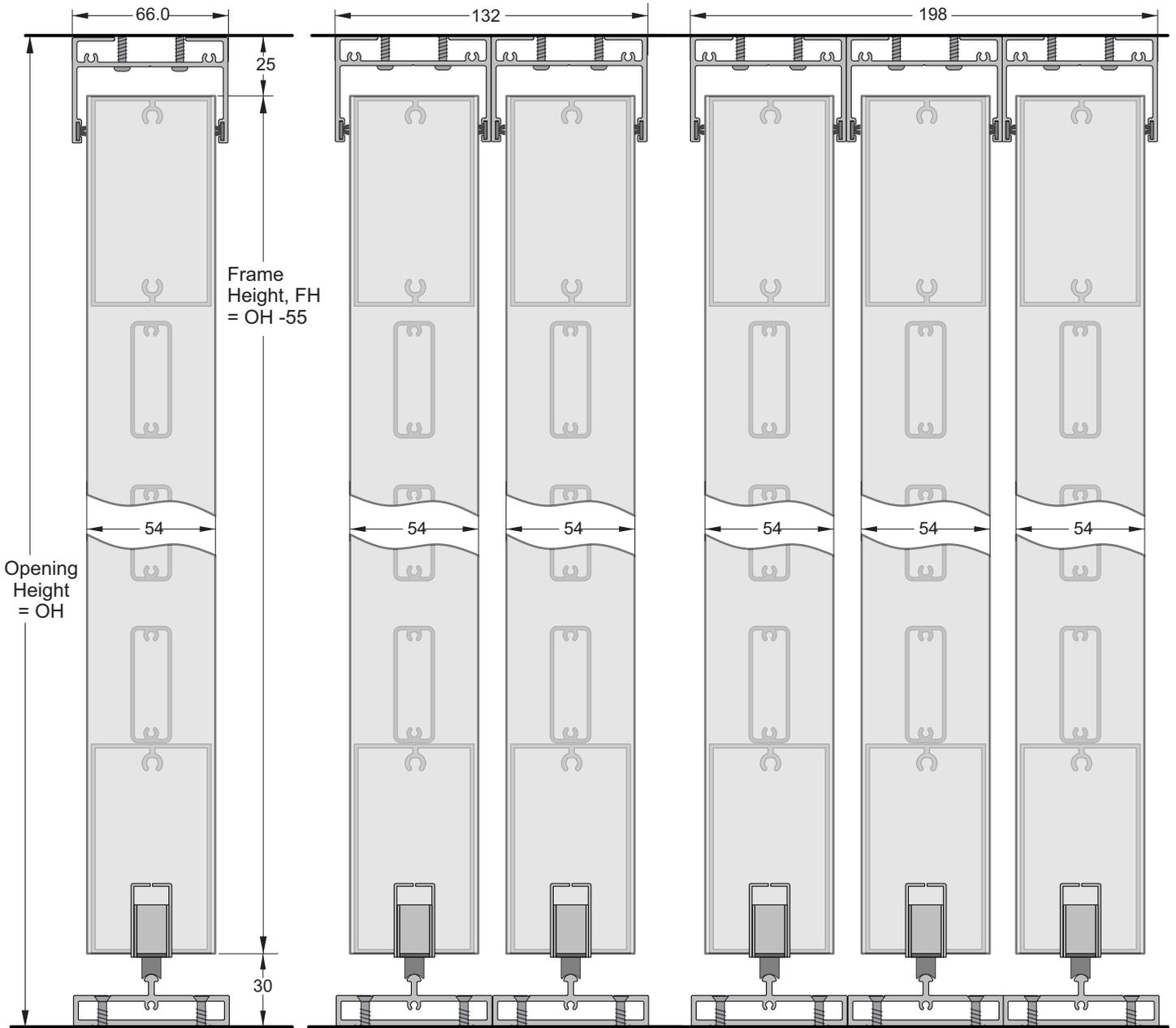
1 and 2 x Sliding Shade Panels  
on a Single Track

**Juralco Louvrelite® 88 Series Bottom Roller Shade System**  
**Bottom Roller, Machining**

**Section 3**  
**Bottom Roller**



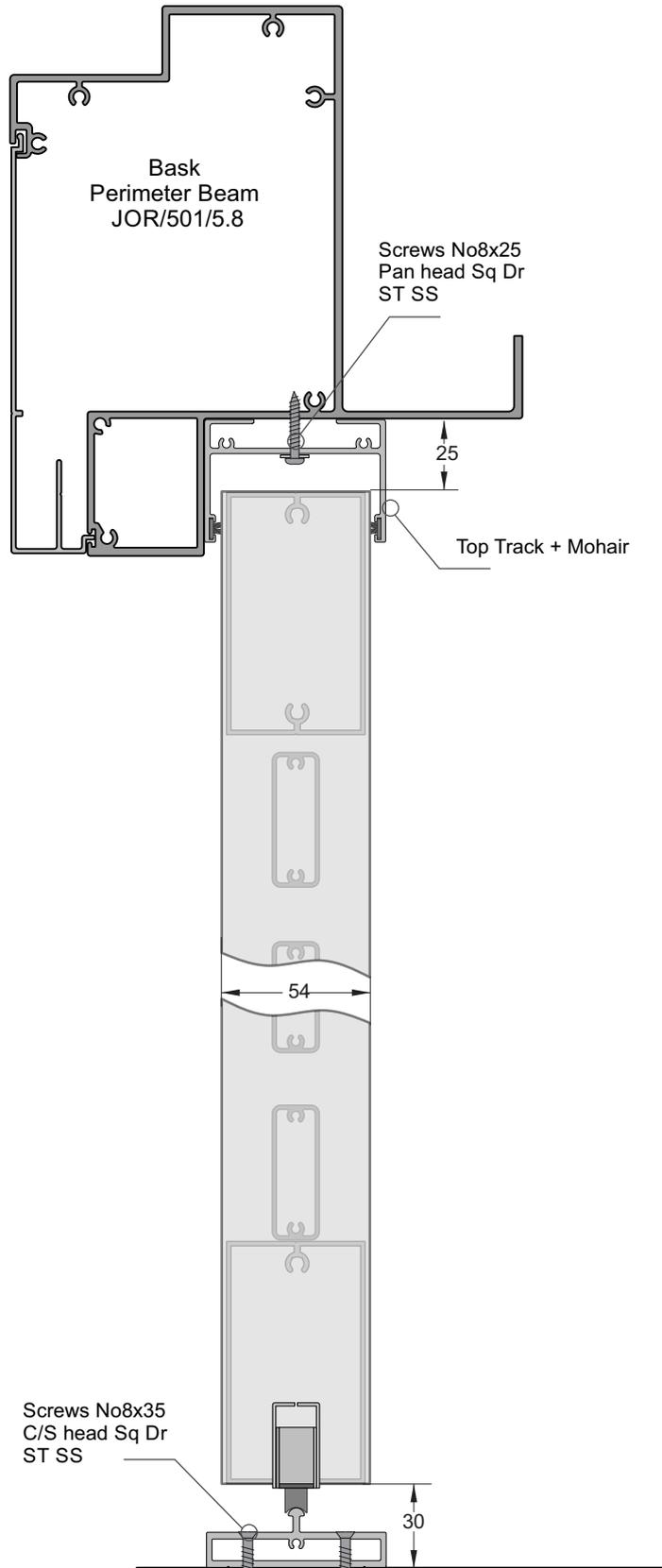
60mm Static Slat infill Shown.  
Could be any of the Infill types  
ie Static Louvres/Slats or Pivoting Louvres



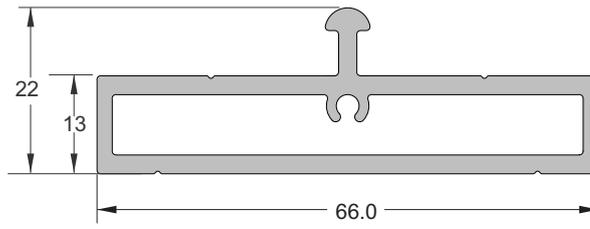
1 and 2 x Sliding Shade Panels  
on a Single Track

2,3 or 4 x Sliding Shade Panels  
on a Twin Tracks

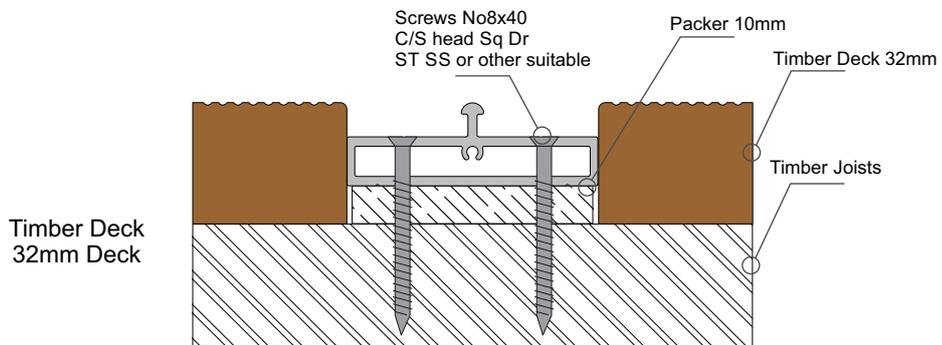
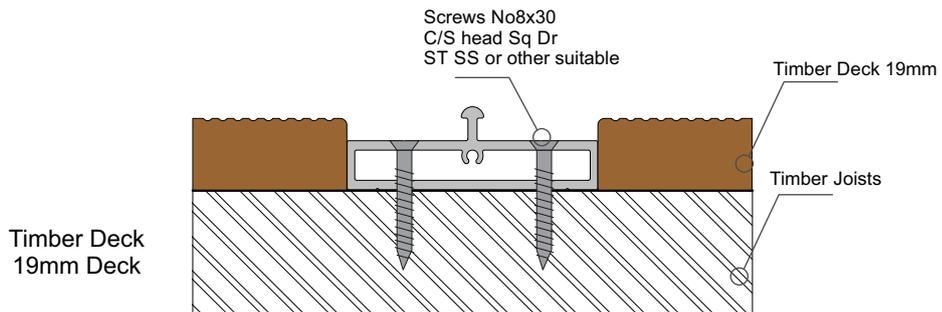
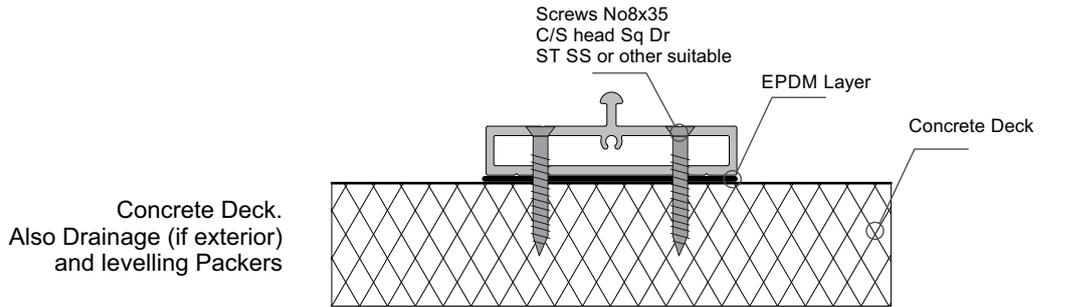
3 x Sliding Shade Panels  
on a Triple Tracks



1 and 2 x Sliding Shade Panels  
Single Track Layout  
attached to Bask Perimeter Beam



BOTTOM TRACK  
Part No JLS/8804



## 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 displays 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.

Fences or Balustrades in close proximity to swimming pools must be washed down every six months, to clean off chlorine and salt deposits.

### 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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