



evaya

ev93D
technical
drawings

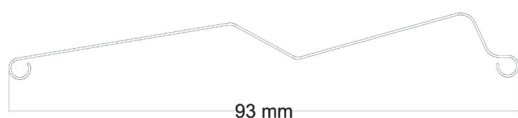
EV93D Specifications

Standard Colour Range

- Matt Black
- Bronze
- Dark Silver
- Graphite
- Monument
- Surfmist
- White Matt



evaya ev93D



FEATURE	EV93D
Maximum Width (mm)	4500
Minimum Width (mm)	800
Maximum Height (mm)	4500
Maximum Square Area (mt)	16
Motor Operation	✓
Manual Operation	✗
Tilting Range	90°
Room Darkening	✓
Blockout	✓
Noise Suppression Keder on Slat Edge	✓
Side Channel Guidance	✓
Wire Cable Guidance	✗
Rolled Edge Slat	✓
Hagofix Slat Support	✓
Ladderbraid Slat Support	✗

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Corrosivity in Australia as defined in AS/NZS 2312.2 and described in AS 4312

Category		Generic examples	Specific examples
CX	Severe surf shoreline	Surf beach shoreline regions with very high salt deposition.	Some Newcastle beaches
C5	Surf Sea-shore	Within 200 m of rough seas & surf beaches. May be extended inland by prevailing winds & local conditions.	More than 500 m from the coast in some areas of Newcastle
C4	Calm Sea-shore	From 200 m to 1 km inland in areas with rough seas & surf. May be extended inland by prevailing winds & local conditions. From the shoreline to 50 m inland around sheltered bays. In the immediate vicinity of calm salt water such as harbour foreshores.	All coasts
C3	Coastal	From 1 km to 10 km inland along ocean front areas with breaking surf & significant salt spray. May be extended inland to 50 km by prevailing winds & local conditions. From 100 m to 3 – 6 km inland for a less sheltered bay or gulf. From 50 m to 1 km inland around sheltered bays.	Metro areas of Perth, Wollongong, Sydney, Brisbane, Newcastle, & the Gold Coast Adelaide & environs Port Philip Bay & in urban & industrial areas with low pollution levels
C2	Arid/Urban Inland	Most areas of Australia at least 50 kilometres from the coast. Inland 3 – 6 km for a less sheltered bay or gulf. Can extend to within 1 km from quiet, sheltered seas.	Canberra, Ballarat, Toowoomba & Alice Springs Adelaide & environs Suburbs of Brisbane, Melbourne, Hobart
C1	Dry indoors	Inside heated or air conditioned buildings with clean atmospheres.	Commercial buildings

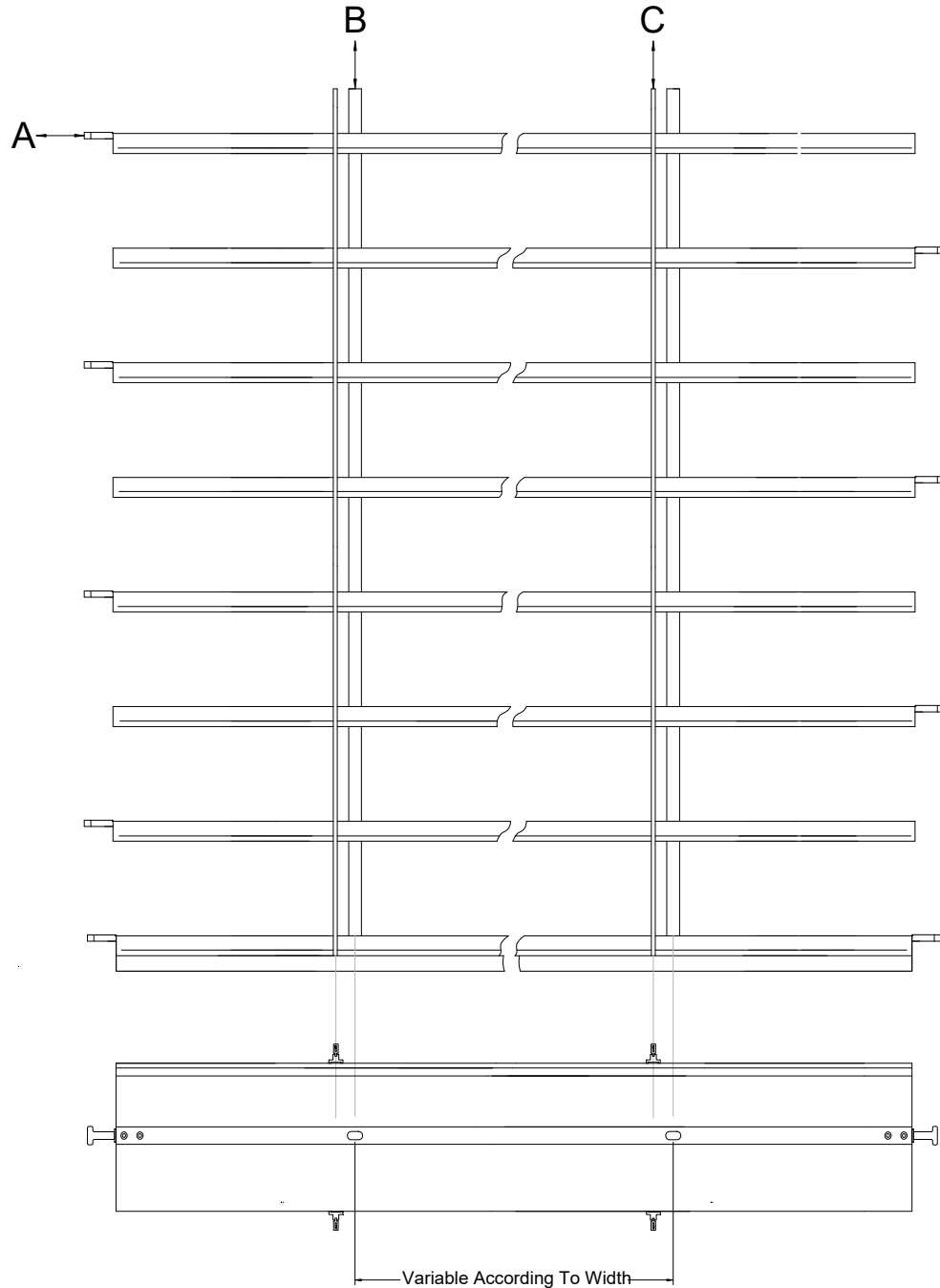
Product Guidelines

ev80	ev93d
Wire Guides	Not recommended
Wire guides or side channels with coastal pins	Not recommended
Wire guides or side channels with coastal pins	Not recommended
Wire guides or side channels with coastal pins	Wire guides or side channels with coastal pins
Wire guides and side channels with urban pins	Wire guides and side channels with urban pins
Wire guides and side channels with urban pins	Wire guides and side channels with urban pins

**** Product guidelines represent Evaya recommendations. Please contact our office for further clarity.**

**** Consideration of access must be considered for ongoing service and maintenance.**

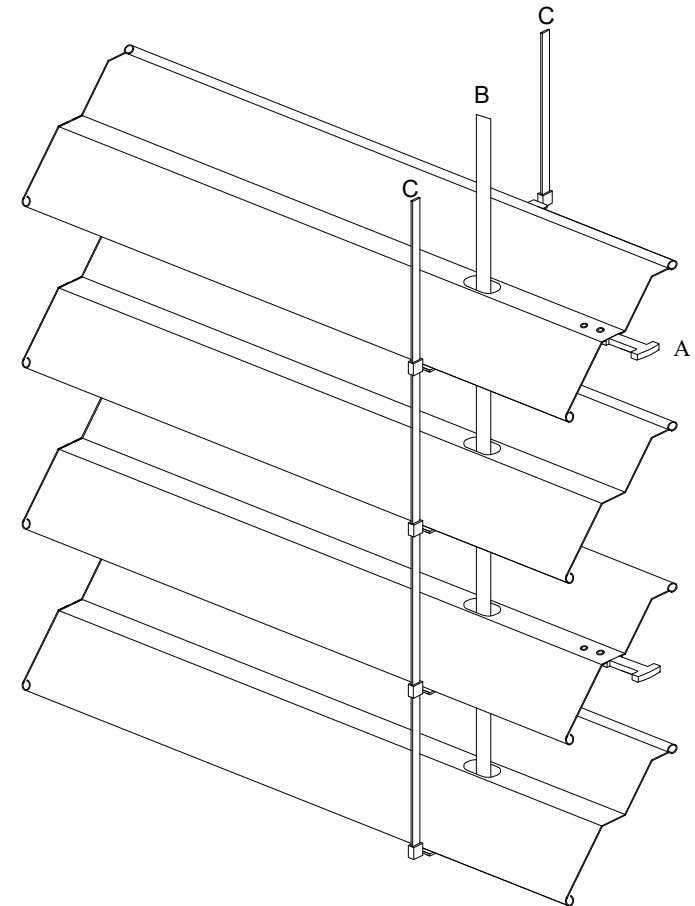
1.1 EV93D Type 2



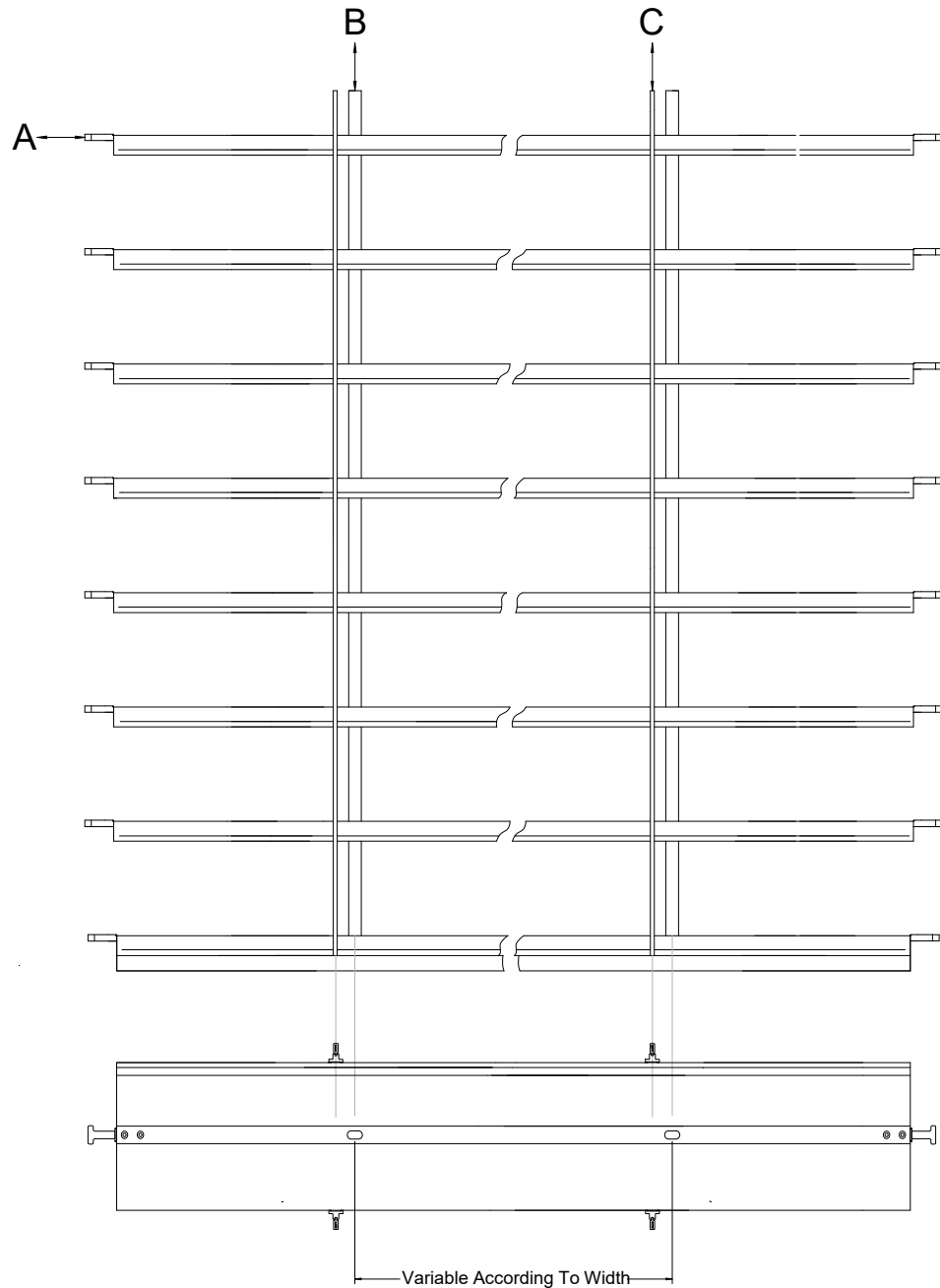
A - ALTERNATING SLAT PINS FOR CHANNEL GUIDES

B - TEXBAND LIFT TAPE

C - HAGOFIX SUPPORT SYSTEM



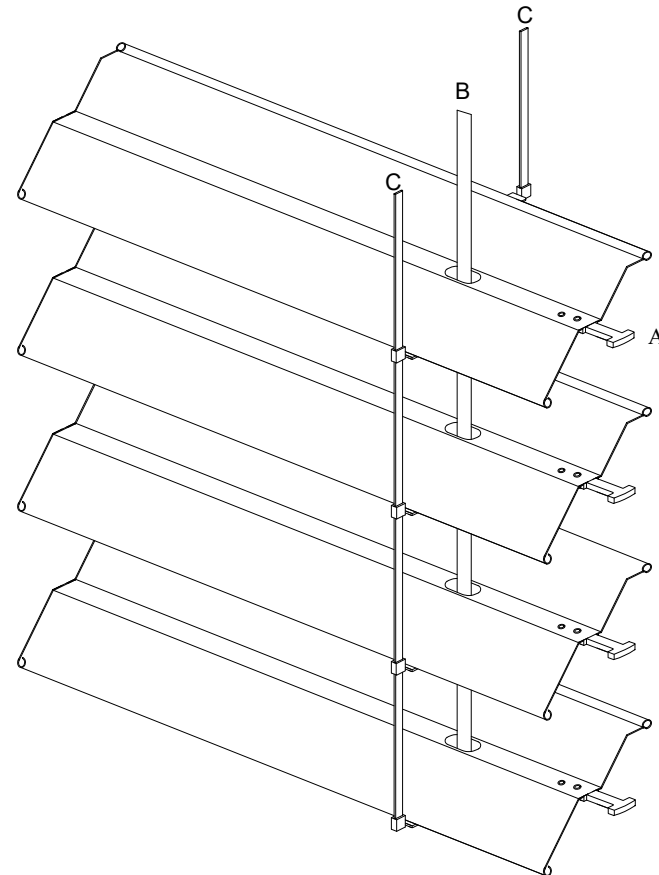
1.2 EV93D Type 3



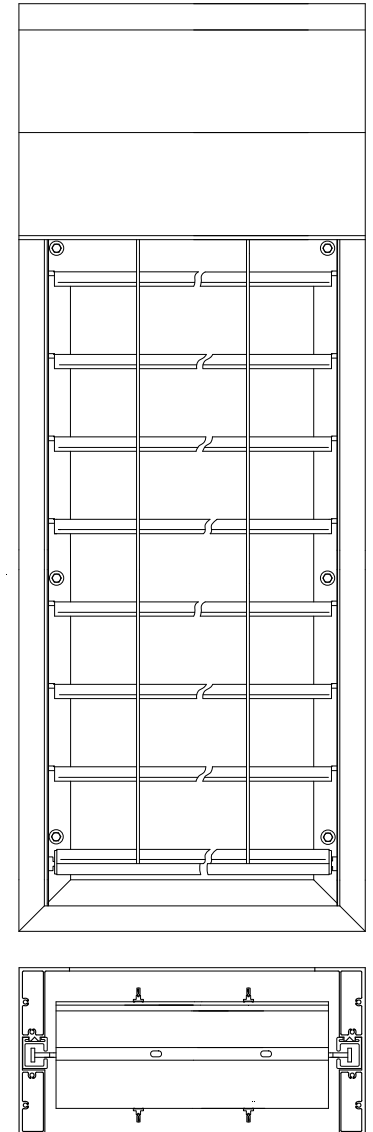
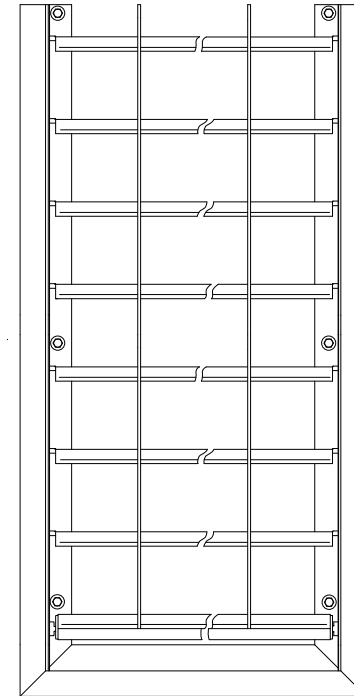
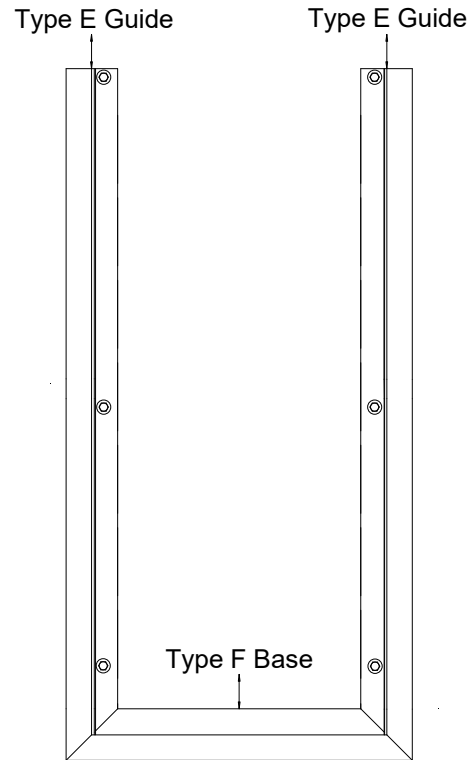
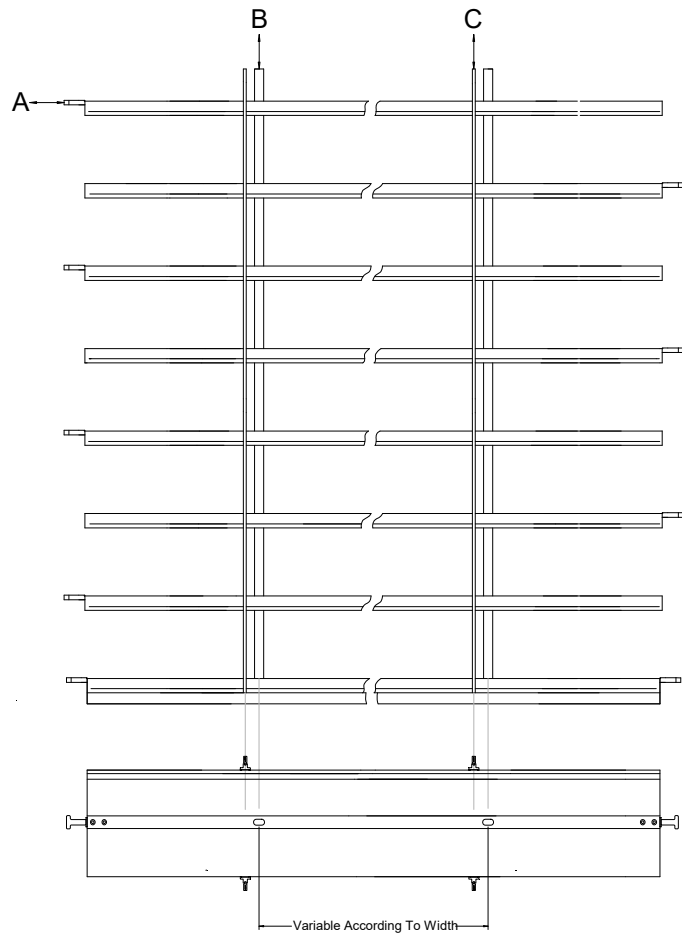
A - DOUBLE SLAT PINS EVERY SLAT FOR CHANNEL GUIDES

B - TEXBAND LIFT TAPE

C - HAGOFIX SUPPORT SYSTEM



1.3 EV93D Type 6 Shroud System



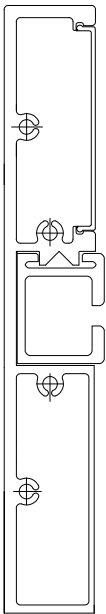
A - ALTERNATING SLAT PINS FOR CHANNEL GUIDES

B - TEXBAND LIFT TAPE

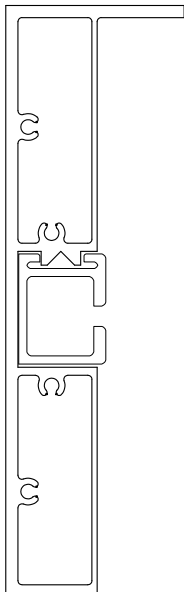
C - HAGOFIX SUPPORT SYSTEM

1.8 EV93D Guide Types - Overview

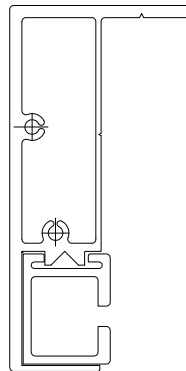
CHANNEL
TYPE G



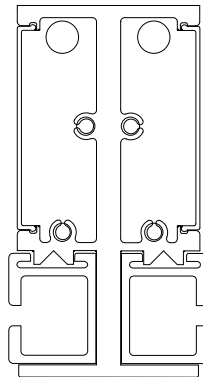
CHANNEL
TYPE E



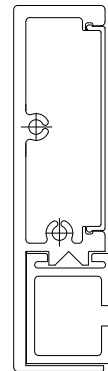
CHANNEL
TYPE C



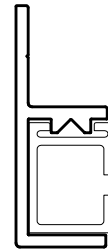
CHANNEL
TYPE D2



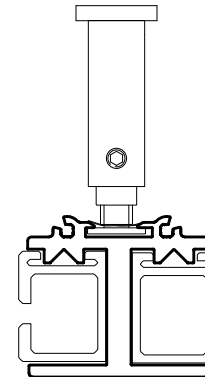
CHANNEL
TYPE D



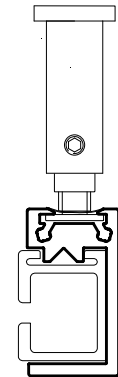
CHANNEL
TYPE B



CHANNEL
TYPE A2



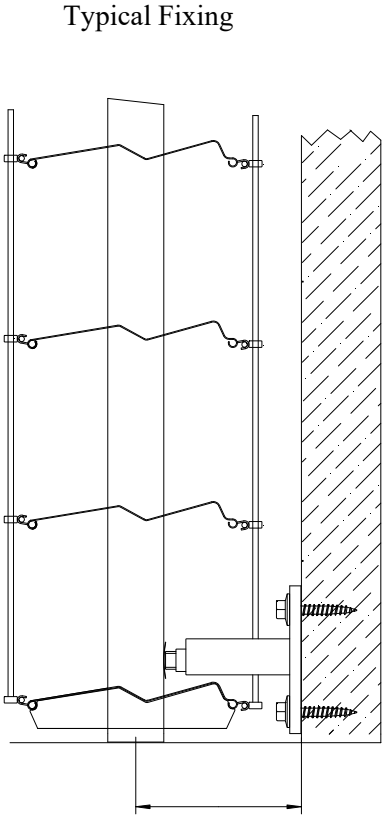
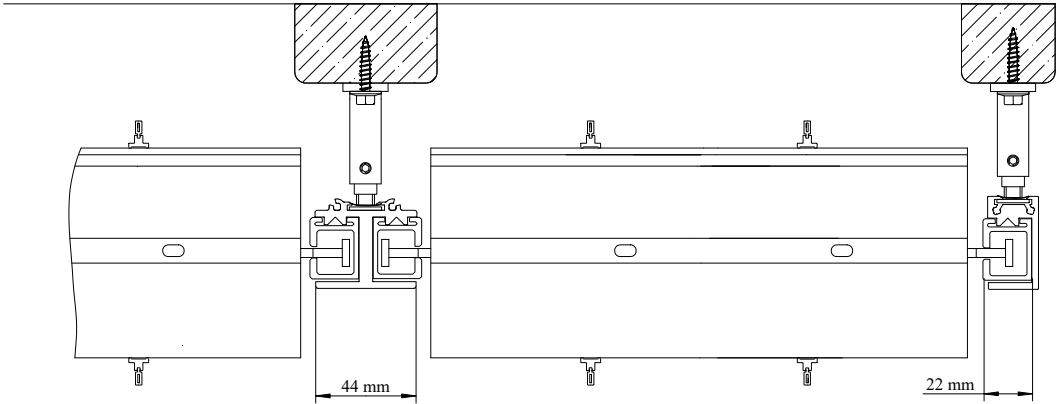
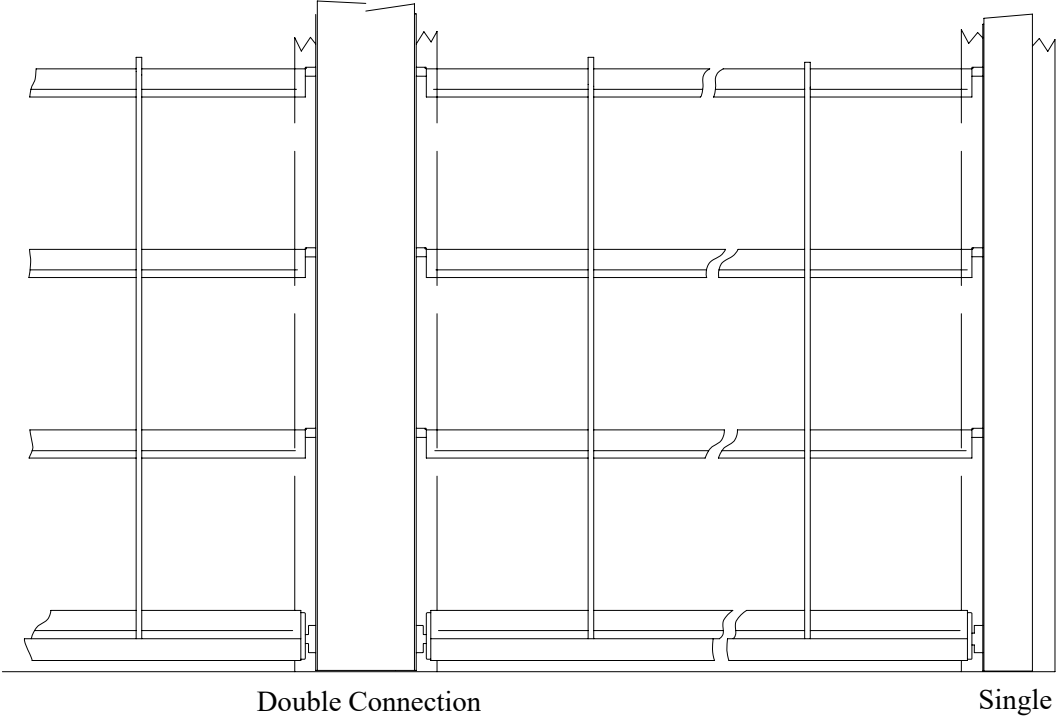
CHANNEL
TYPE A



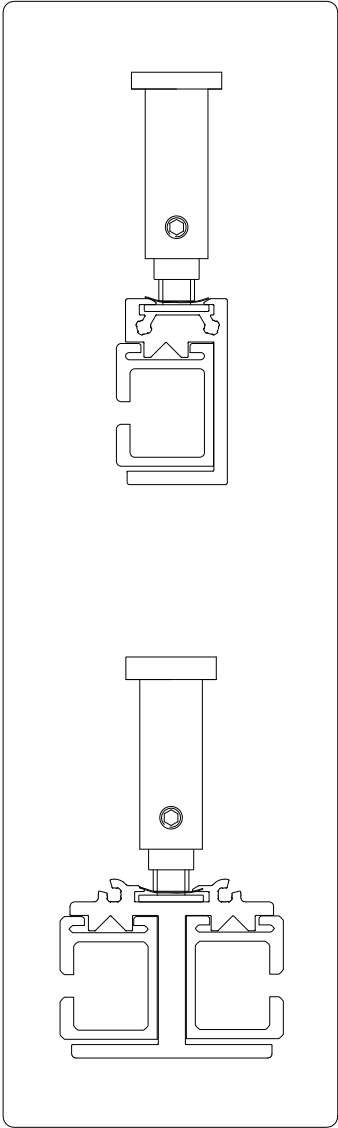
** All channels are configured with solid PVC inner guide inserts

Dimension for all guides can be found within the technical drawing pages

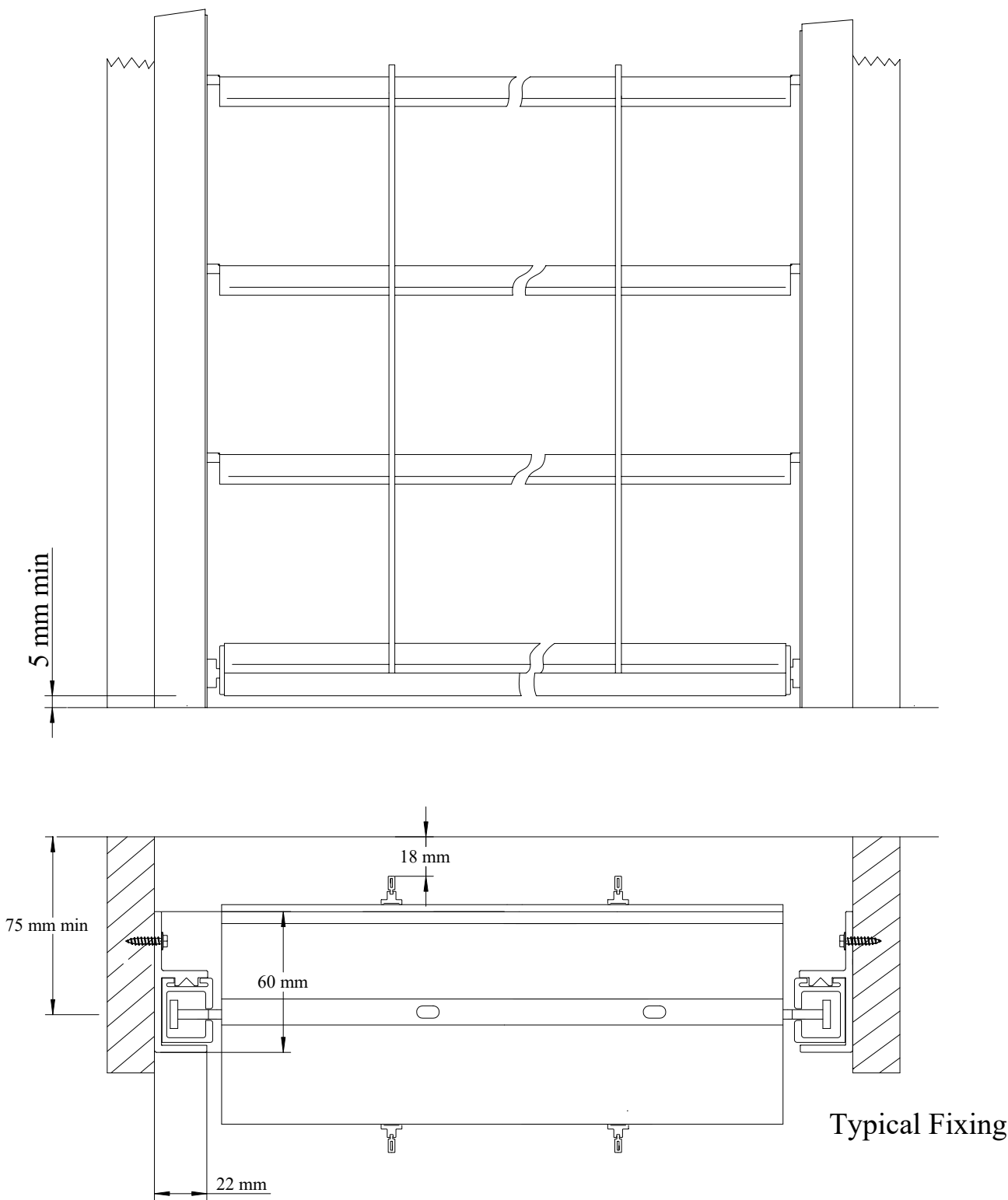
2.3 EV93D Side Channel Type A -Double and Single



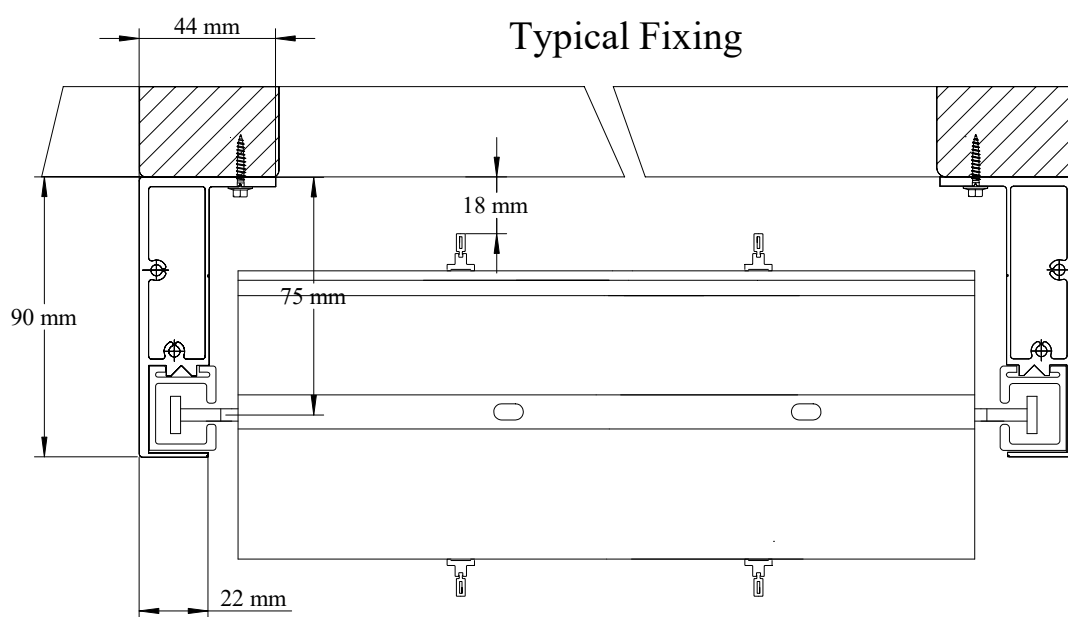
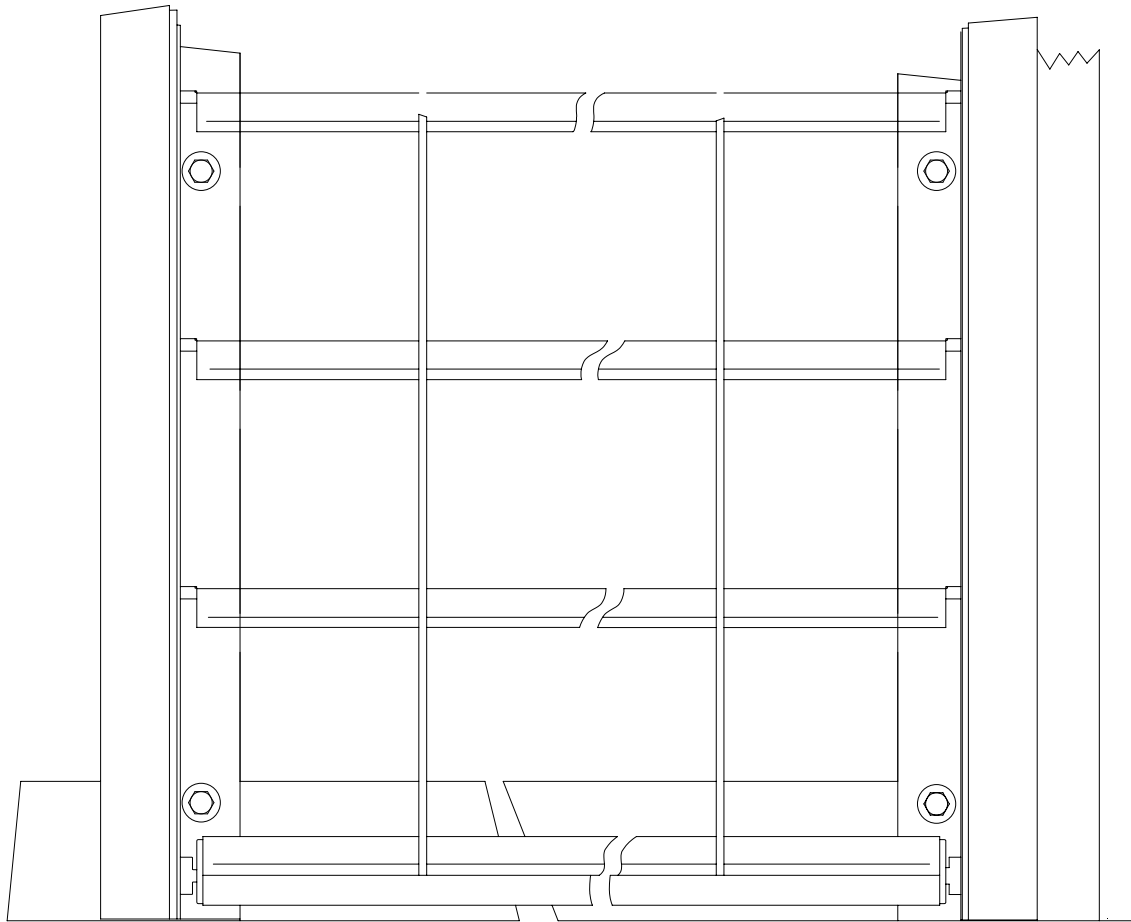
Stand off brackets available range from 75mm to 165mm.



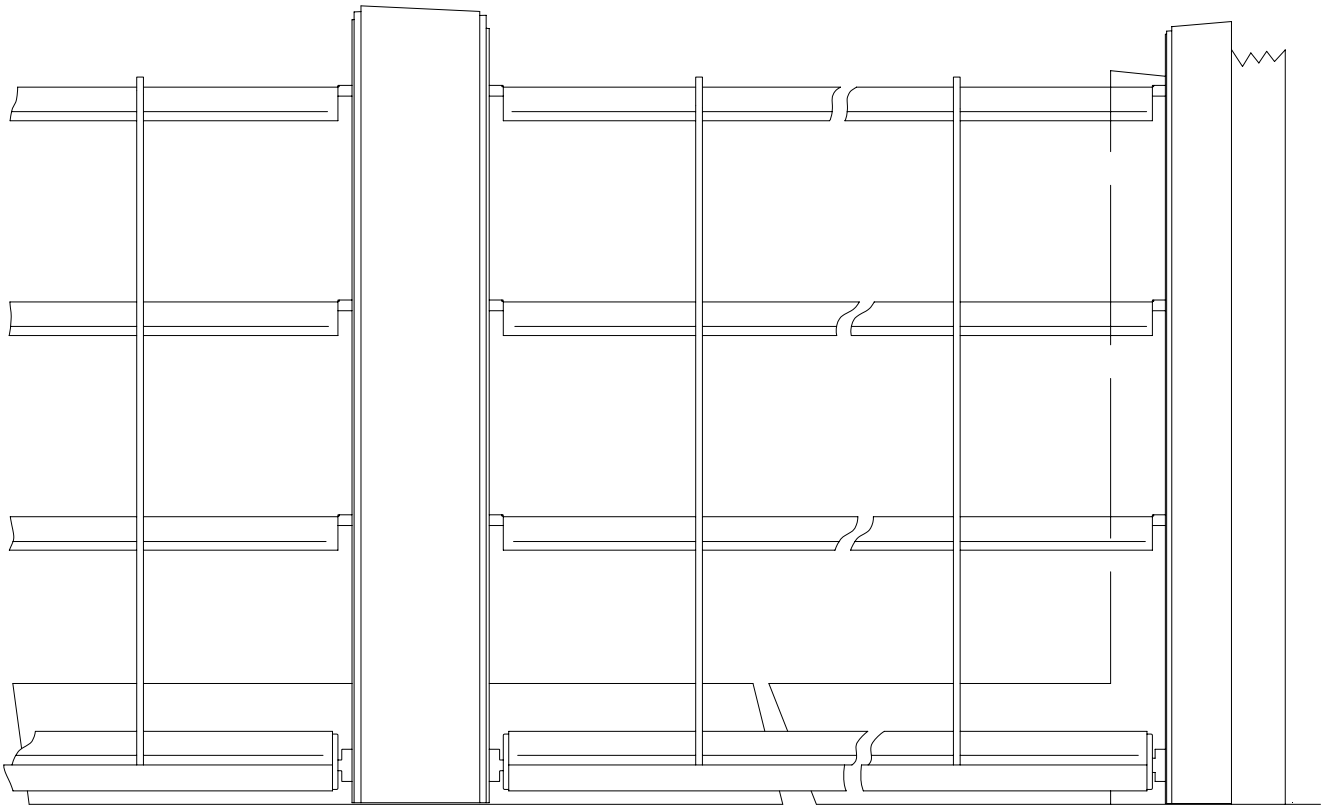
2.4 EV93D Side Channel Type B



2.5 EV93D Side Channel Type C



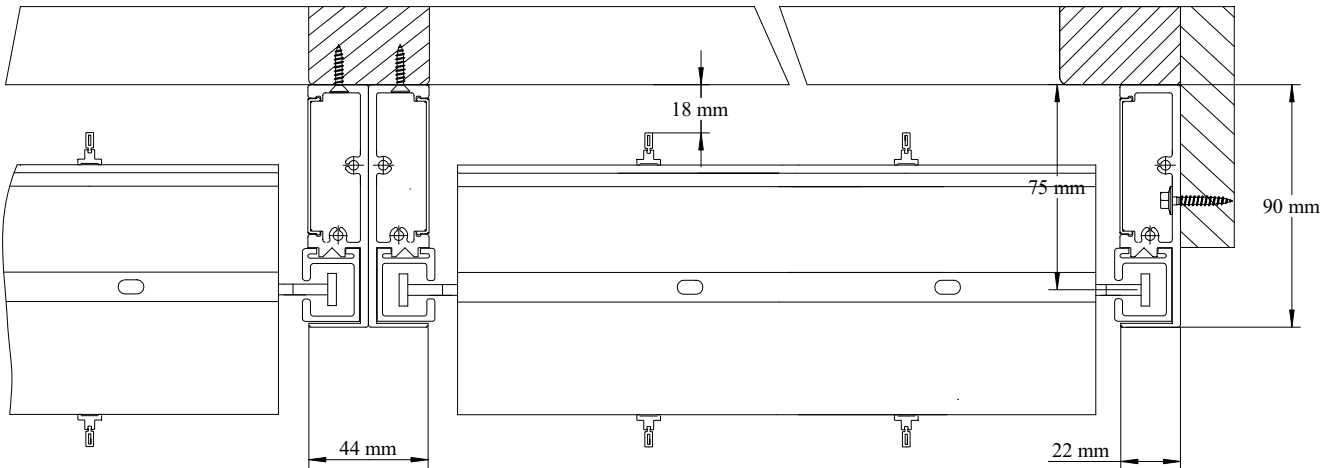
2.6 EV93D Side Channel Type D



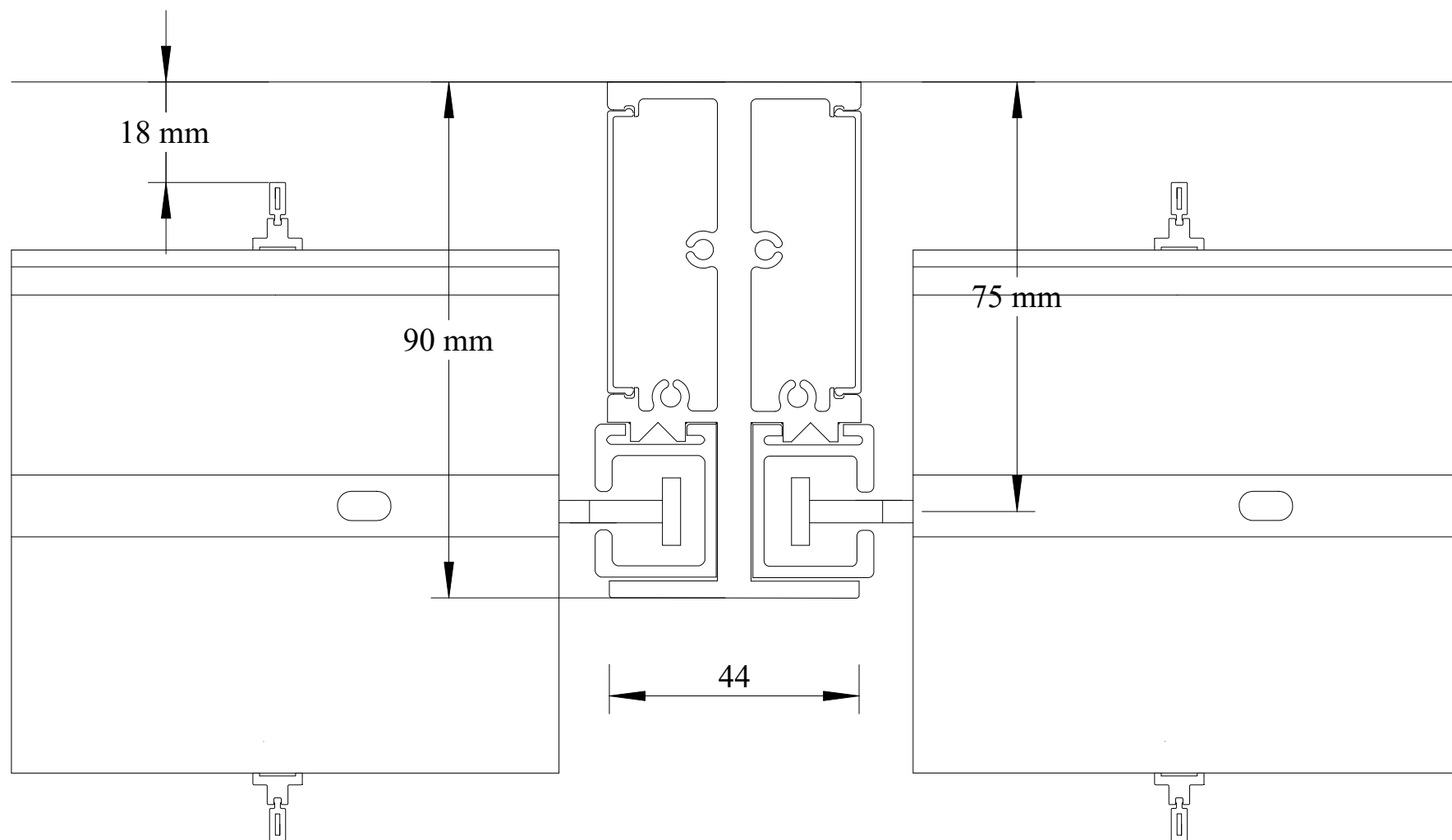
Channel D2

Channel D

Typical Fixing

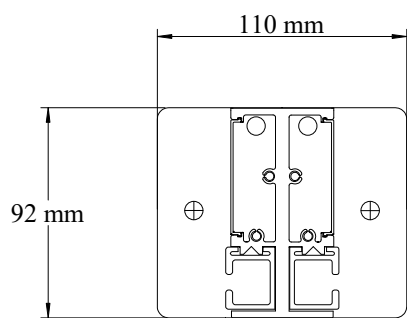
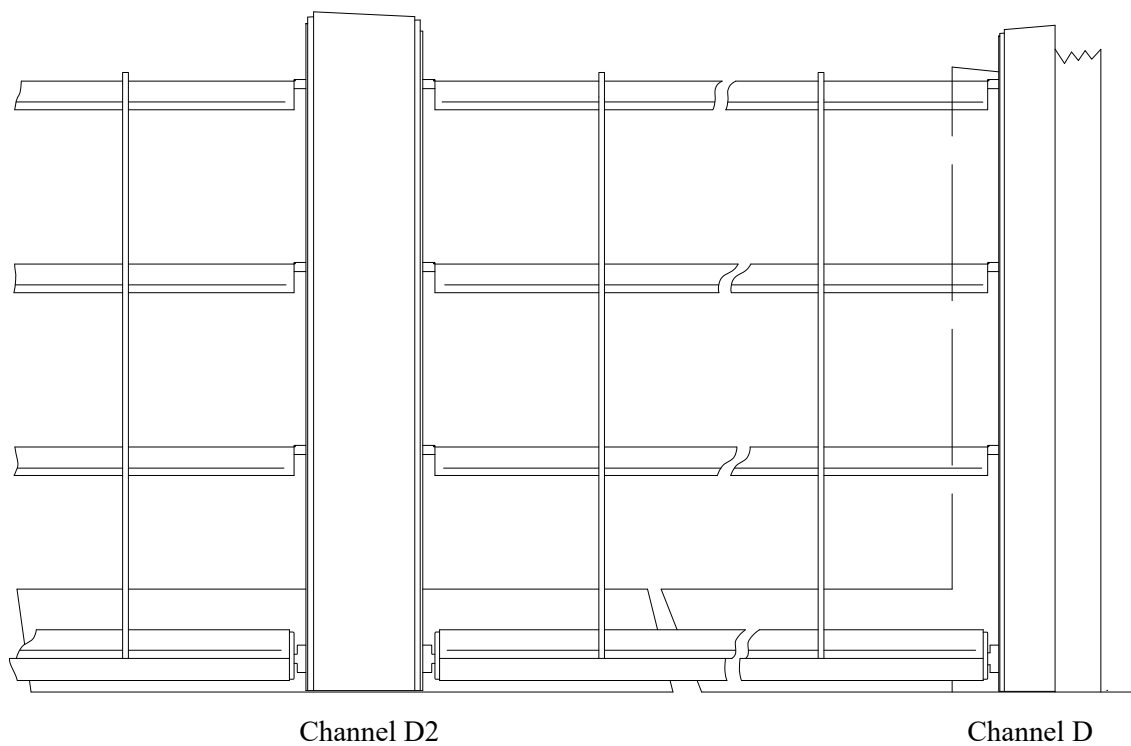


2.6a EV93D Side Channel Type D2

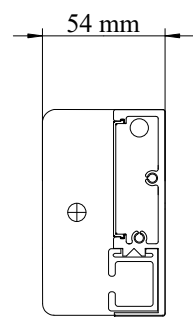


2.6b EV93D Side Channel Type D & D2

Self Supporting Base Plates

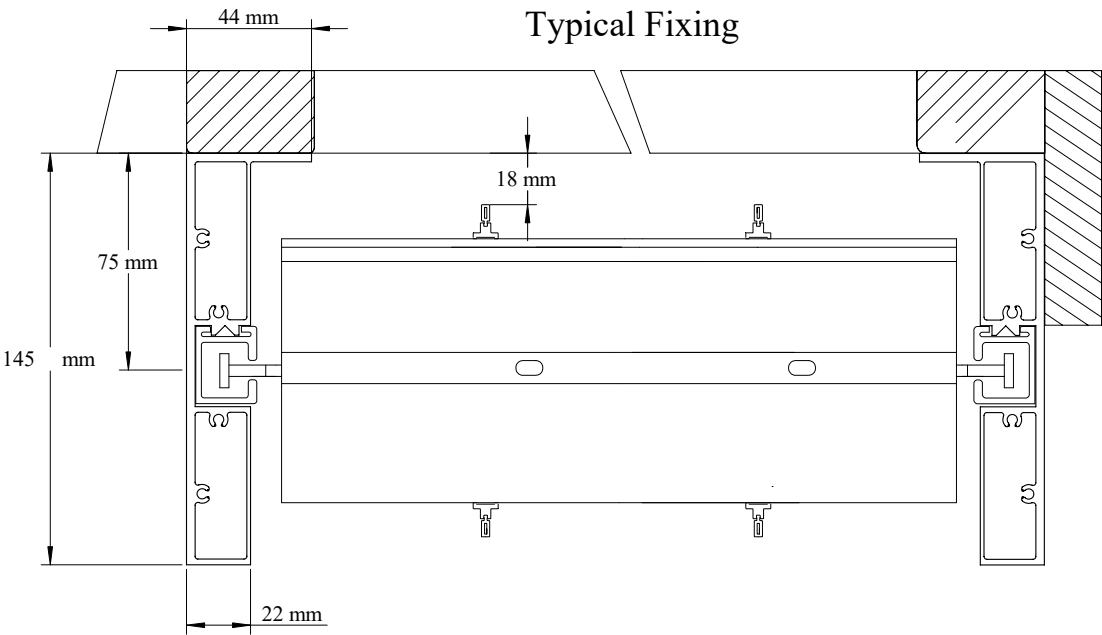
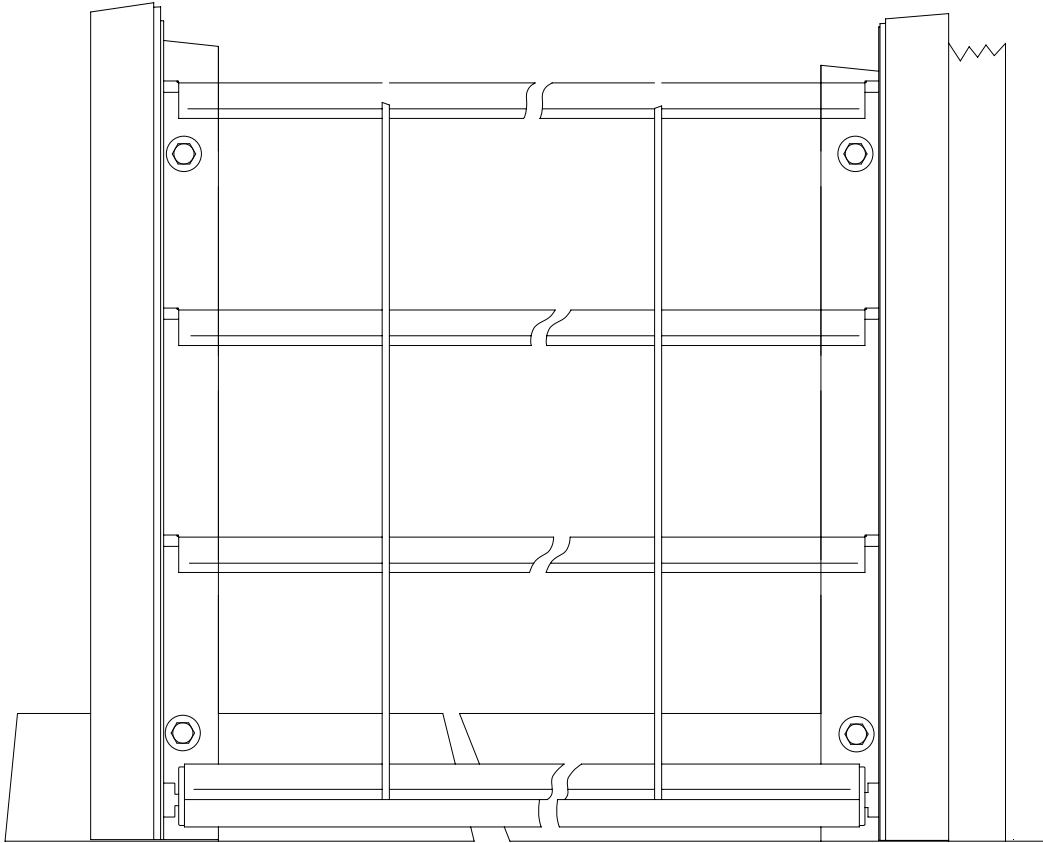


Surface Fixed

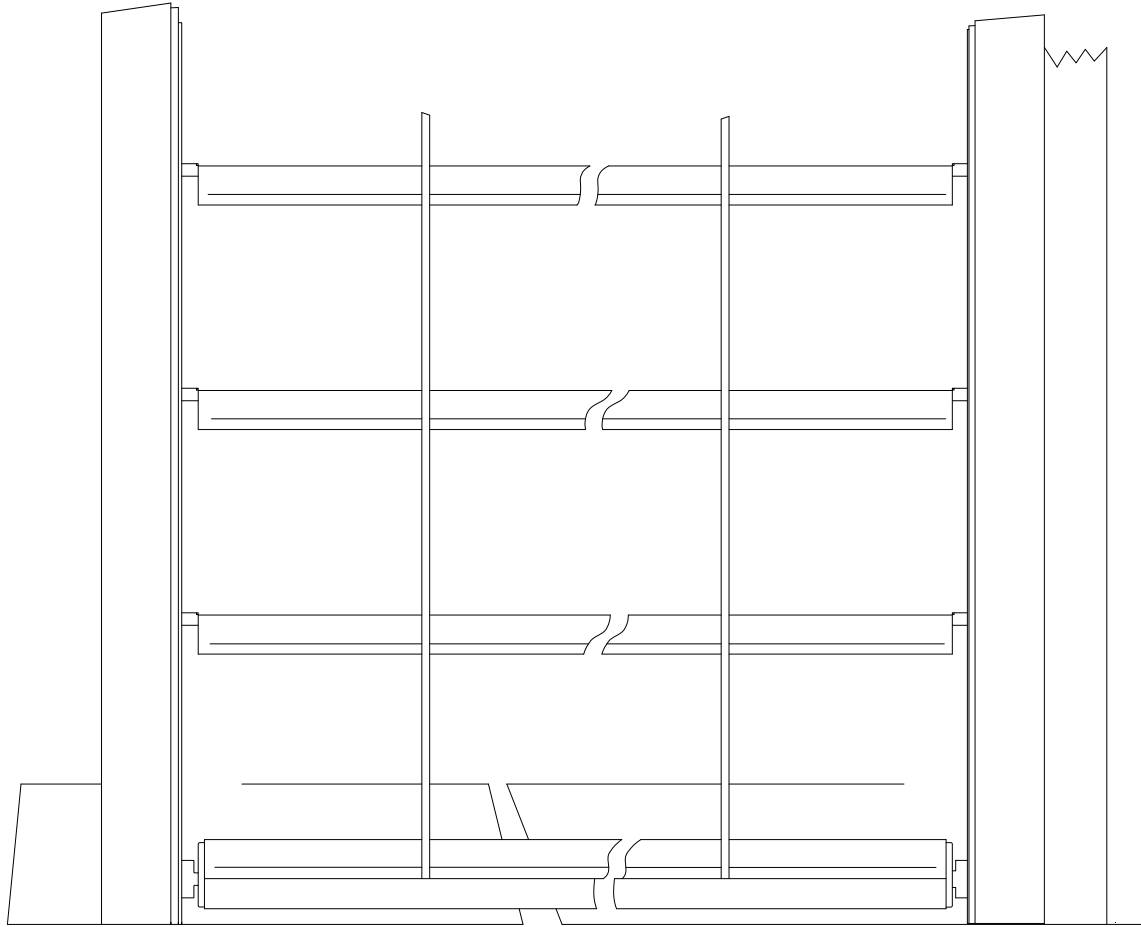


Base plates are required when channels are configured for a self supporting installation

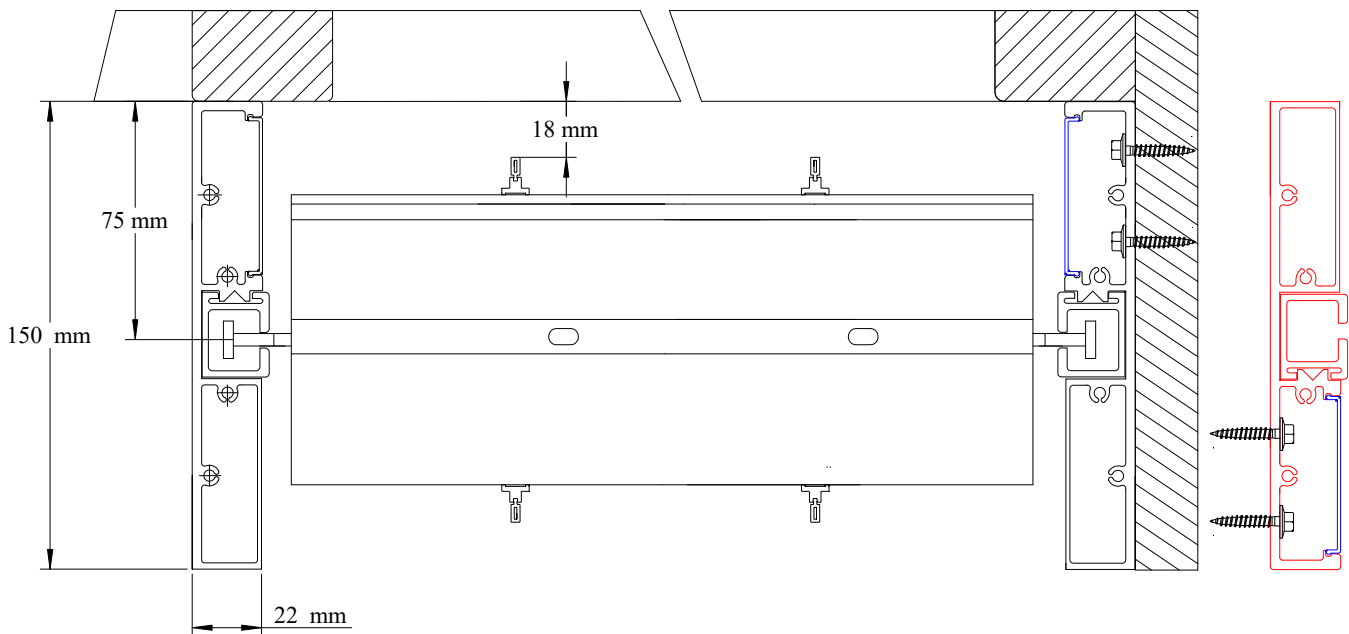
2.7 EV93D Side Channel Type E



2.7a EV93D Side Channel Type G

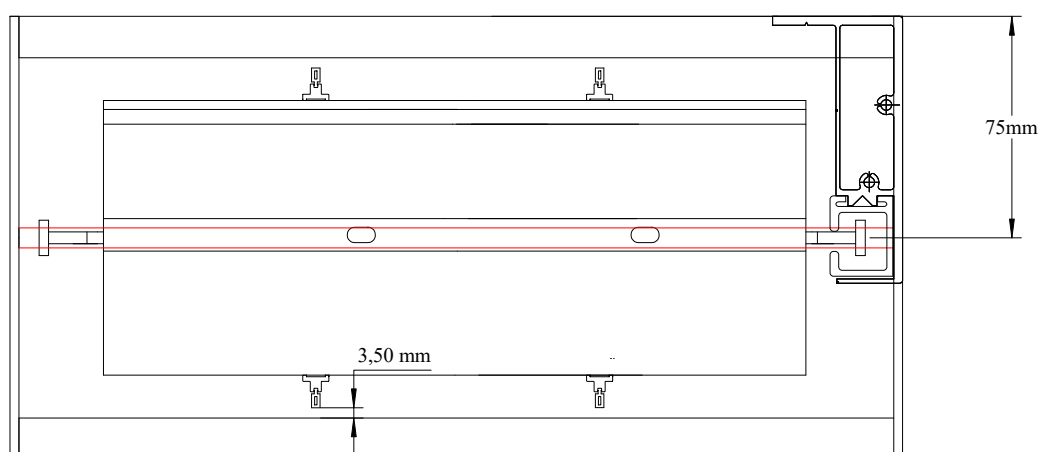
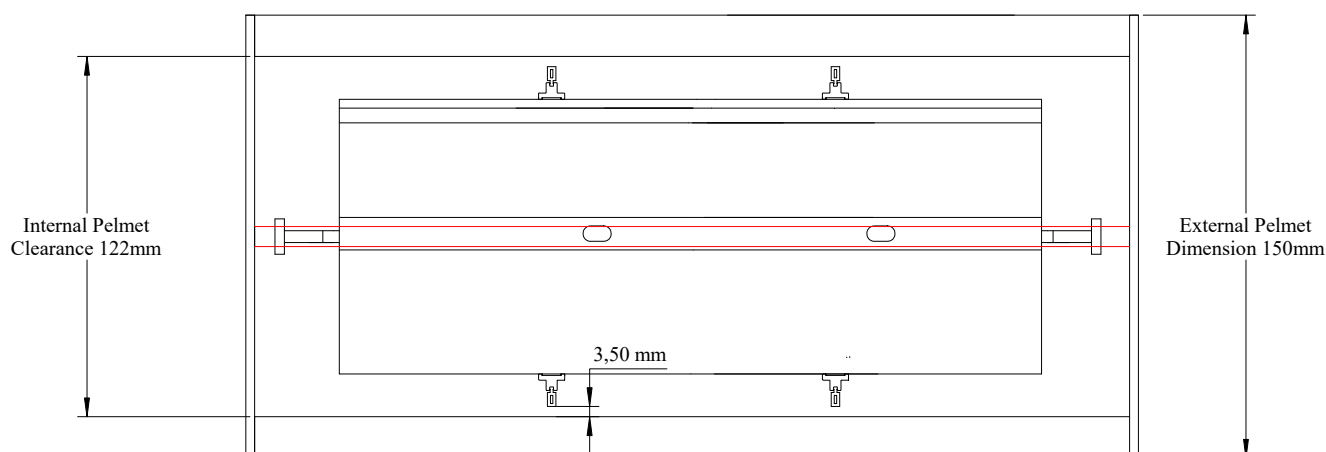


Typical Fixing



**Fixing chamber as shown in the red section can be reversed to allow for fixing either forward or rear of centre.
All fixings are concealed by push in cover strip as shown in blue.

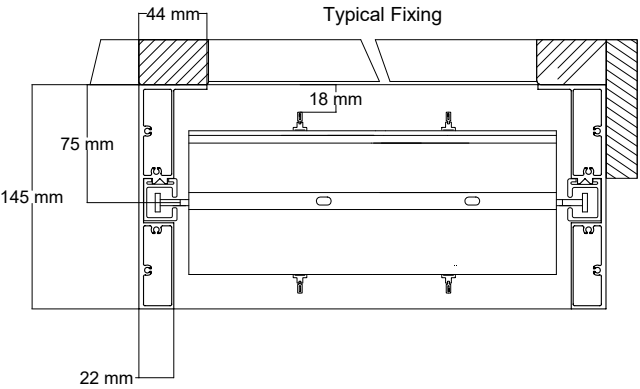
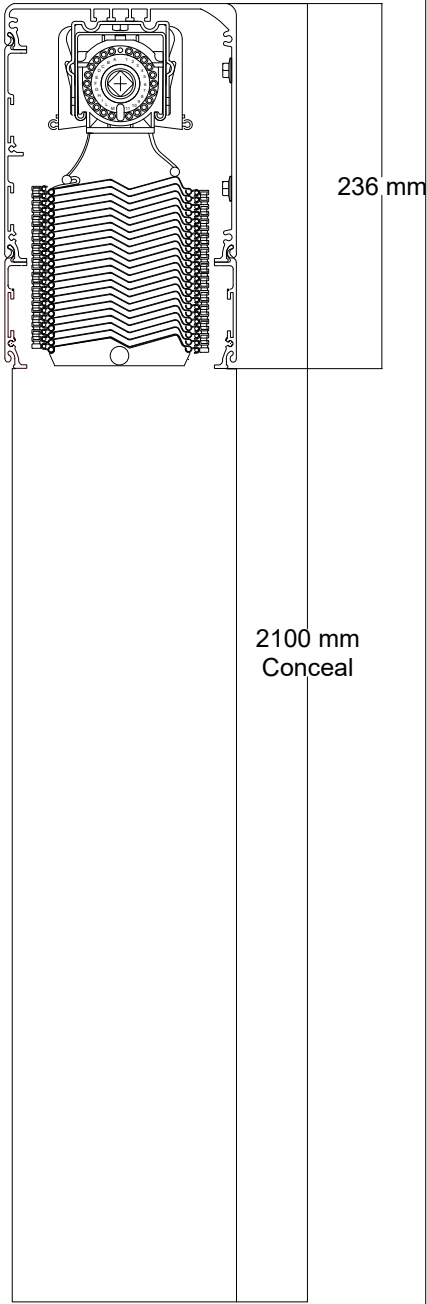
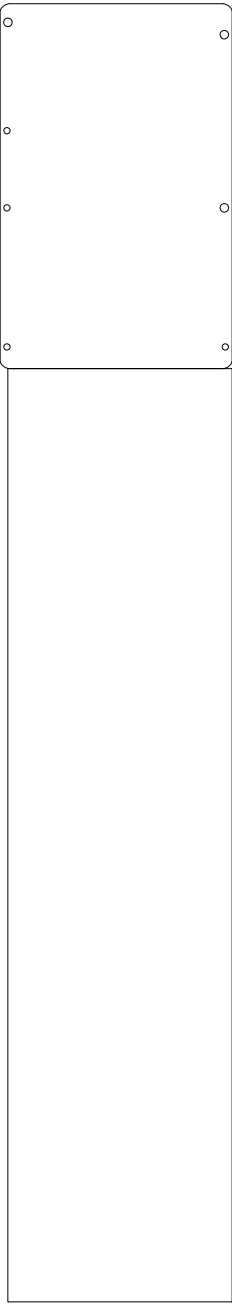
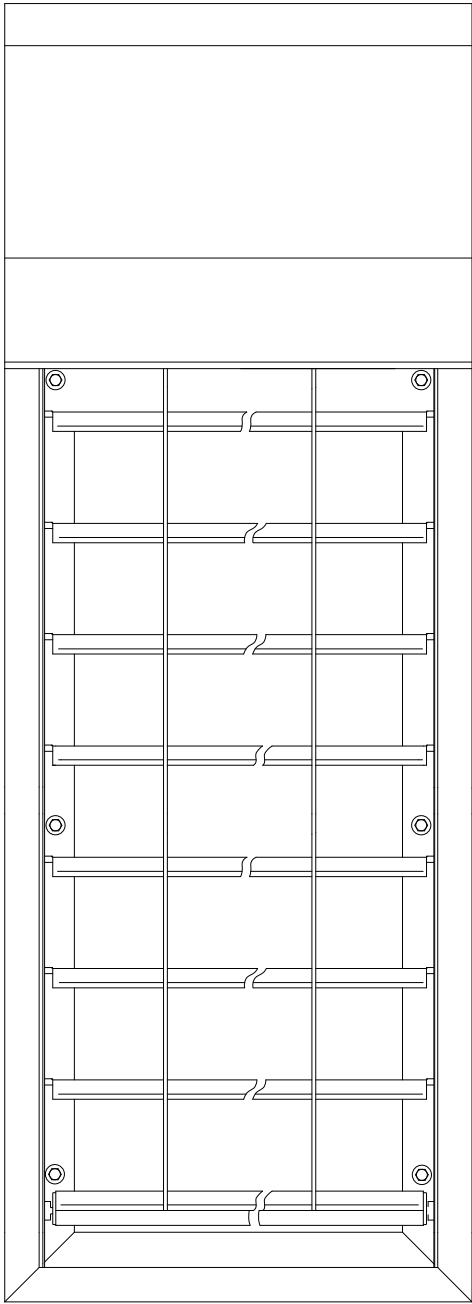
2.8 Evaya Pelmet Type B Tolerances EV93D Slat To Hagofix Hooks



- * RED DASHED LINE INDICATES CENTRE BOLT SLOT OF PELMET
- * CENTRE BOLT SLOT MUST BE USED TO AVOID INTERFERENCE OF HAGOFIX HOOK TO FASCIA PANEL
- * CHANNELS MUST BE SET IN PLUMB TO CENTRE SLOT

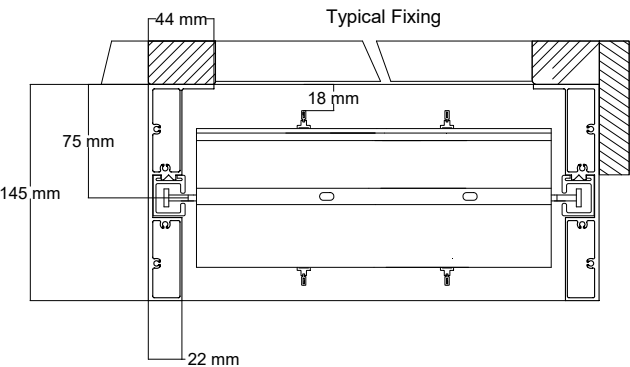
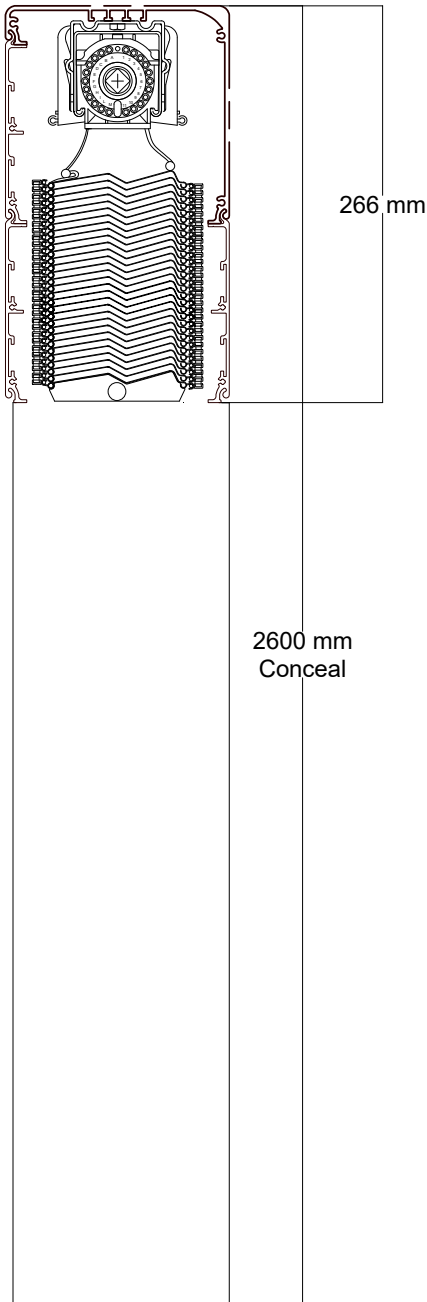
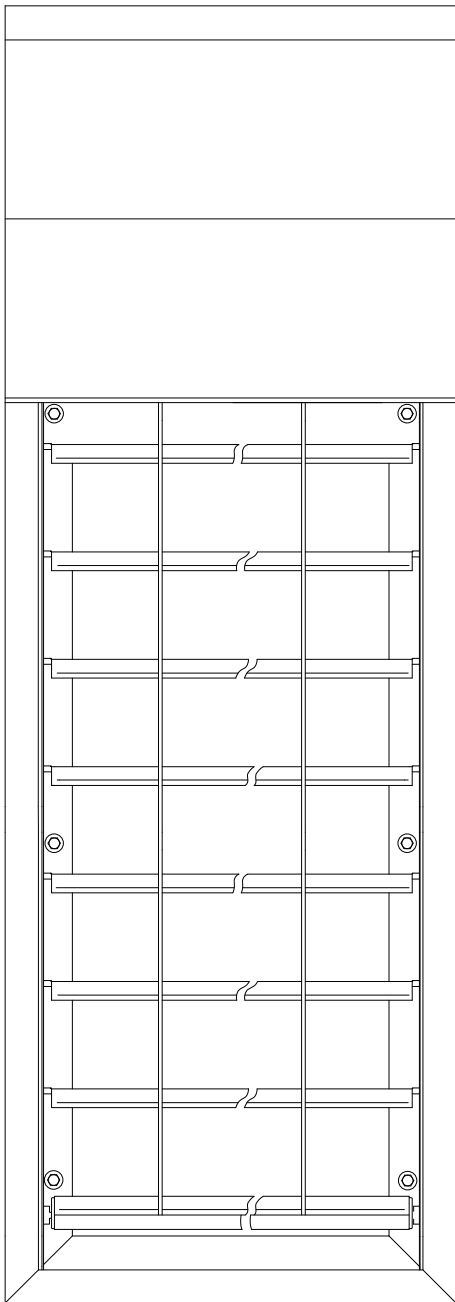
2.8a EV93D SHROUD SYSTEM - PELMET TYPE B 236

Concealed Retracted Stack Height - 2100mm



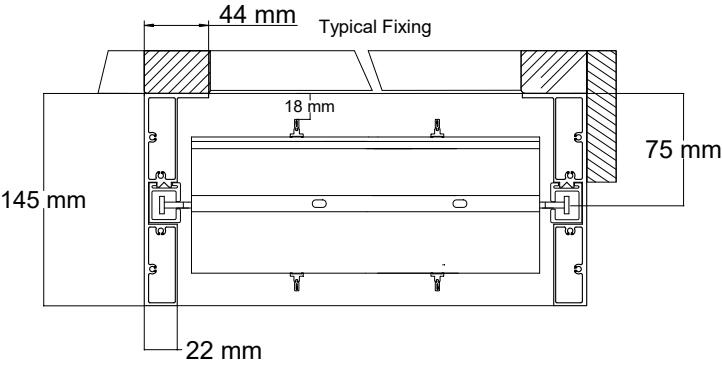
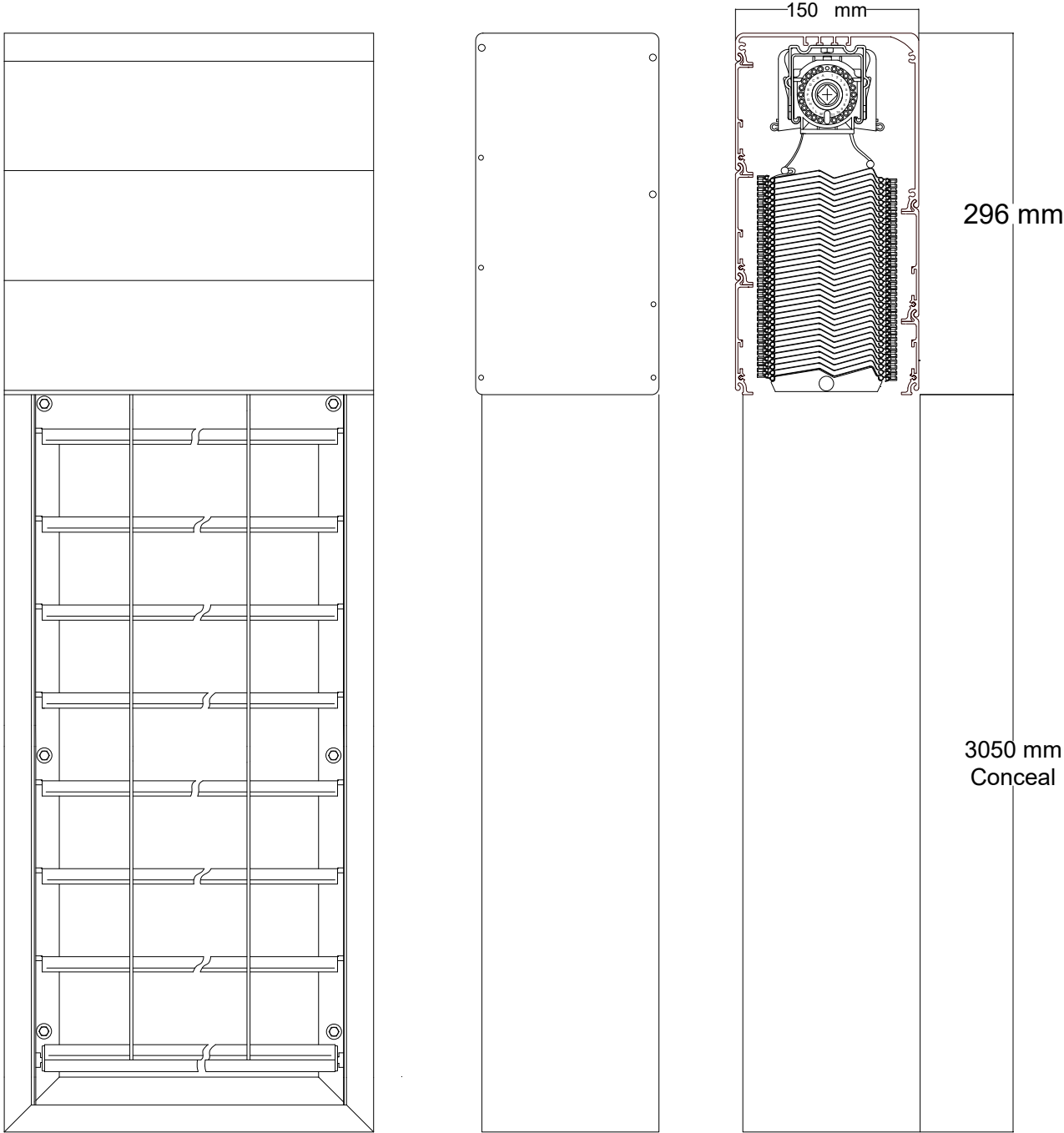
2.8b EV93D SHROUD SYSTEM - PELMET TYPE B 266

Concealed Retracted Stack Height - 2600mm



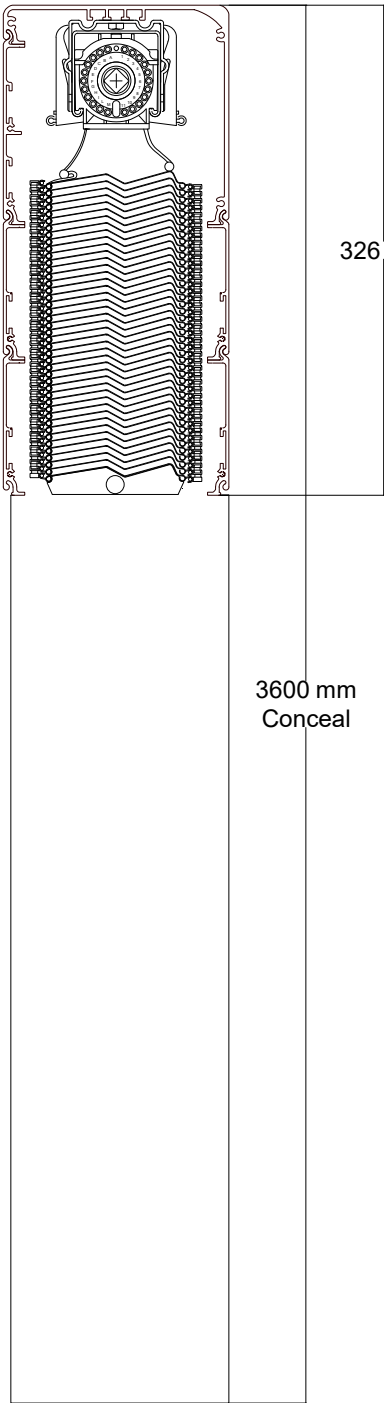
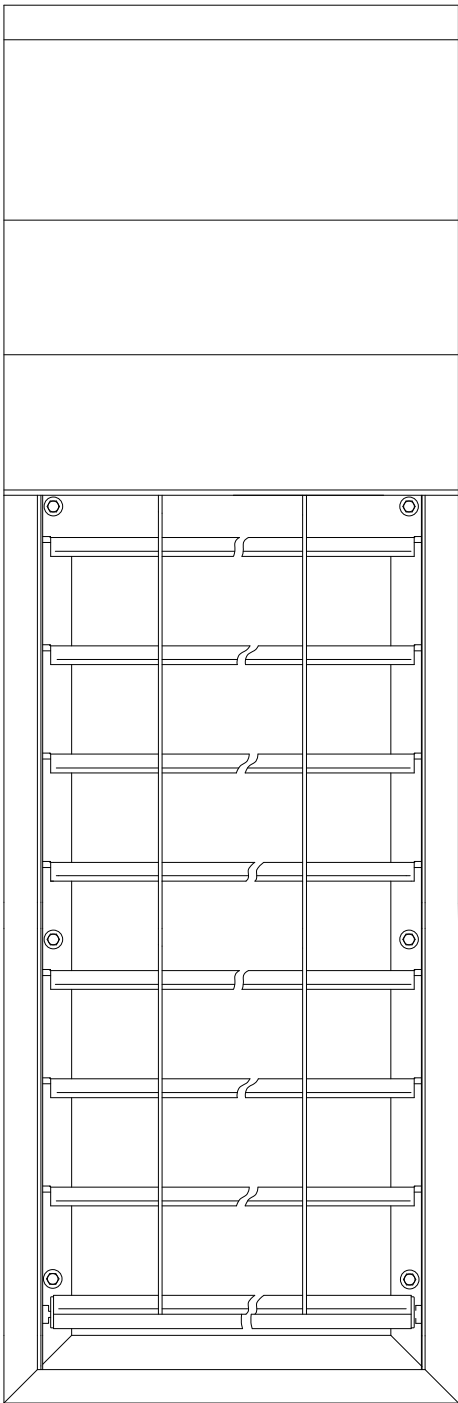
2.8b1 - EV93D SHROUD SYSTEM - PELMET TYPE B 296

Conceal Retracted Stack Height - 3050mm



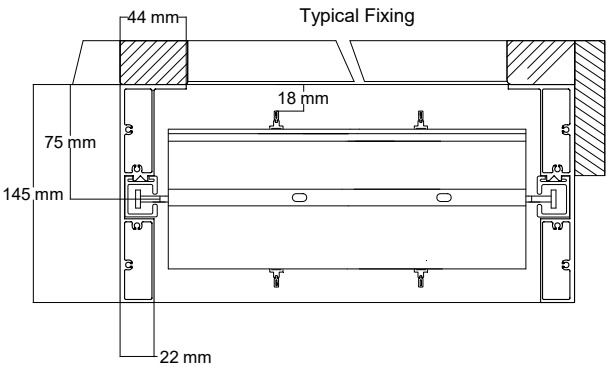
2.8c EV93D SHROUD SYSTEM - PELMET TYPE B 326

Concealed Retracted Stack Height - 3600mm



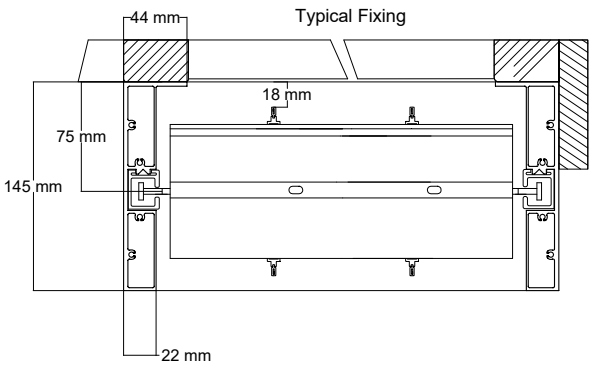
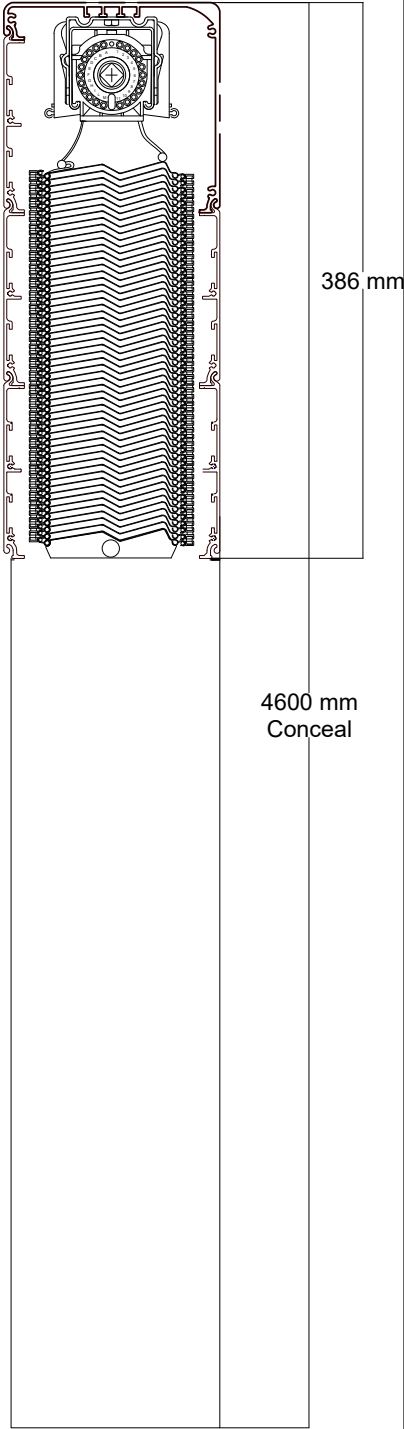
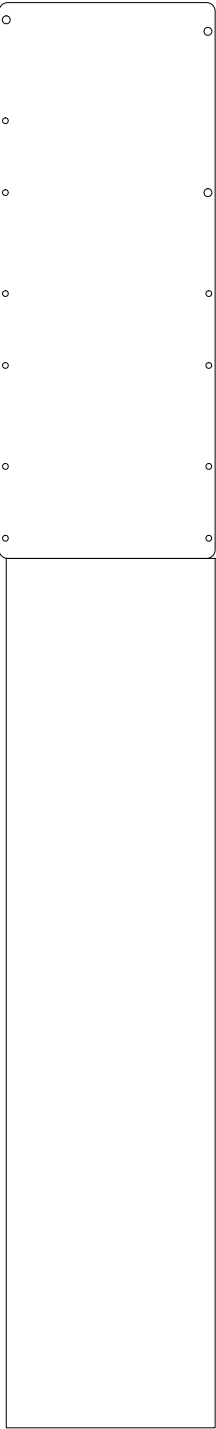
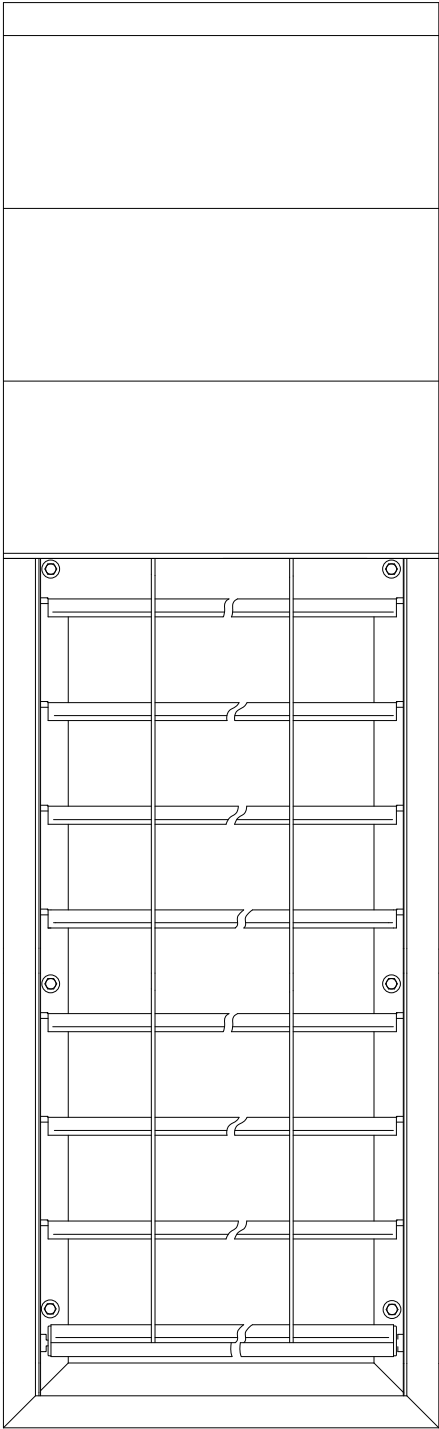
326 mm

3600 mm
Conceal



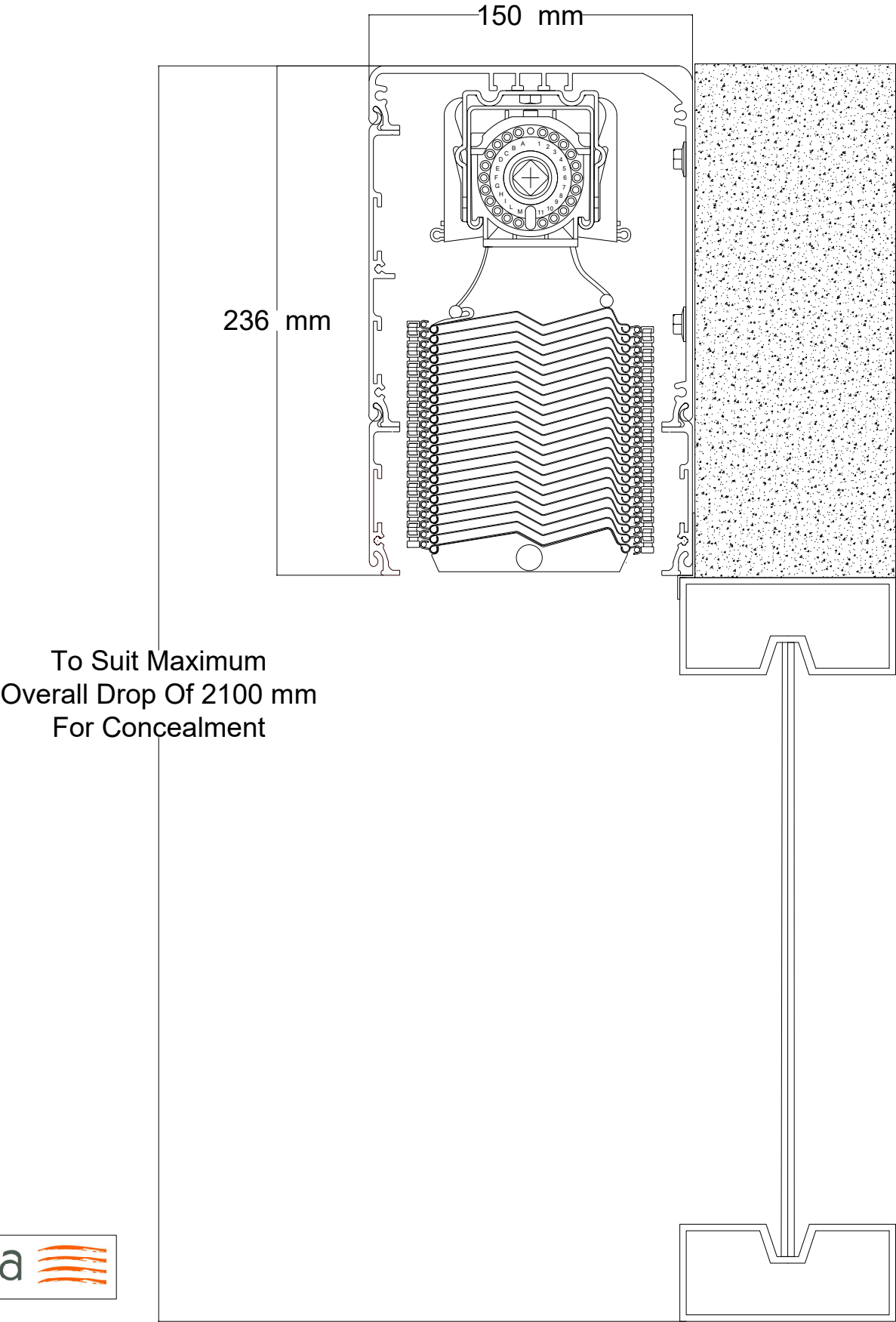
2.8d EV93D SHROUD SYSTEM - PELMET TYPE B 386

Concealed Retracted Stack Height - 4600mm



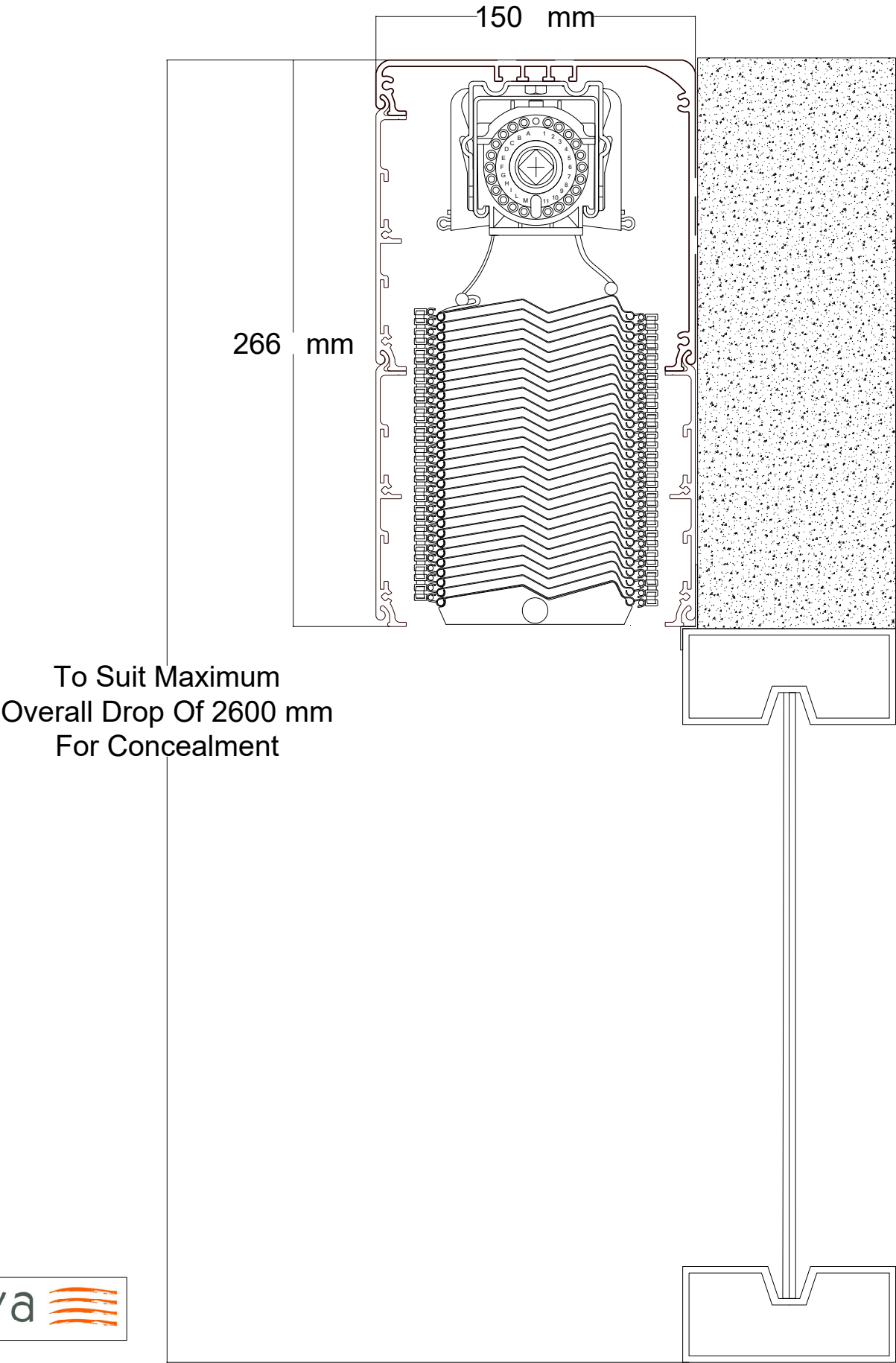
3.3a Pelmet Type B 236 - EV93D

Concealed Retracted Stack Height - 2100mm



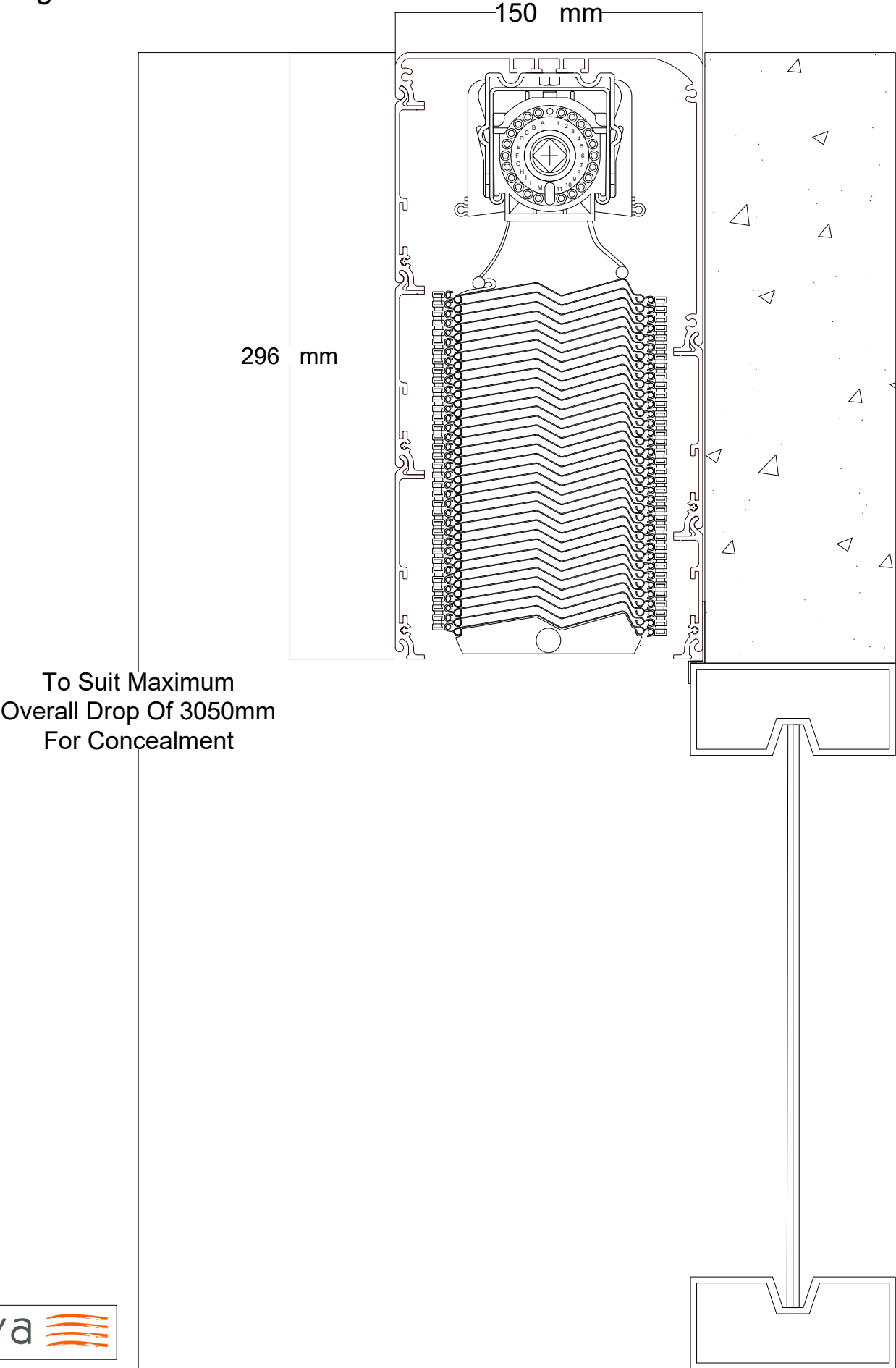
3.3b Pelmet Type B 266 - EV93D

Concealed Retracted
Stack Height - 2600mm



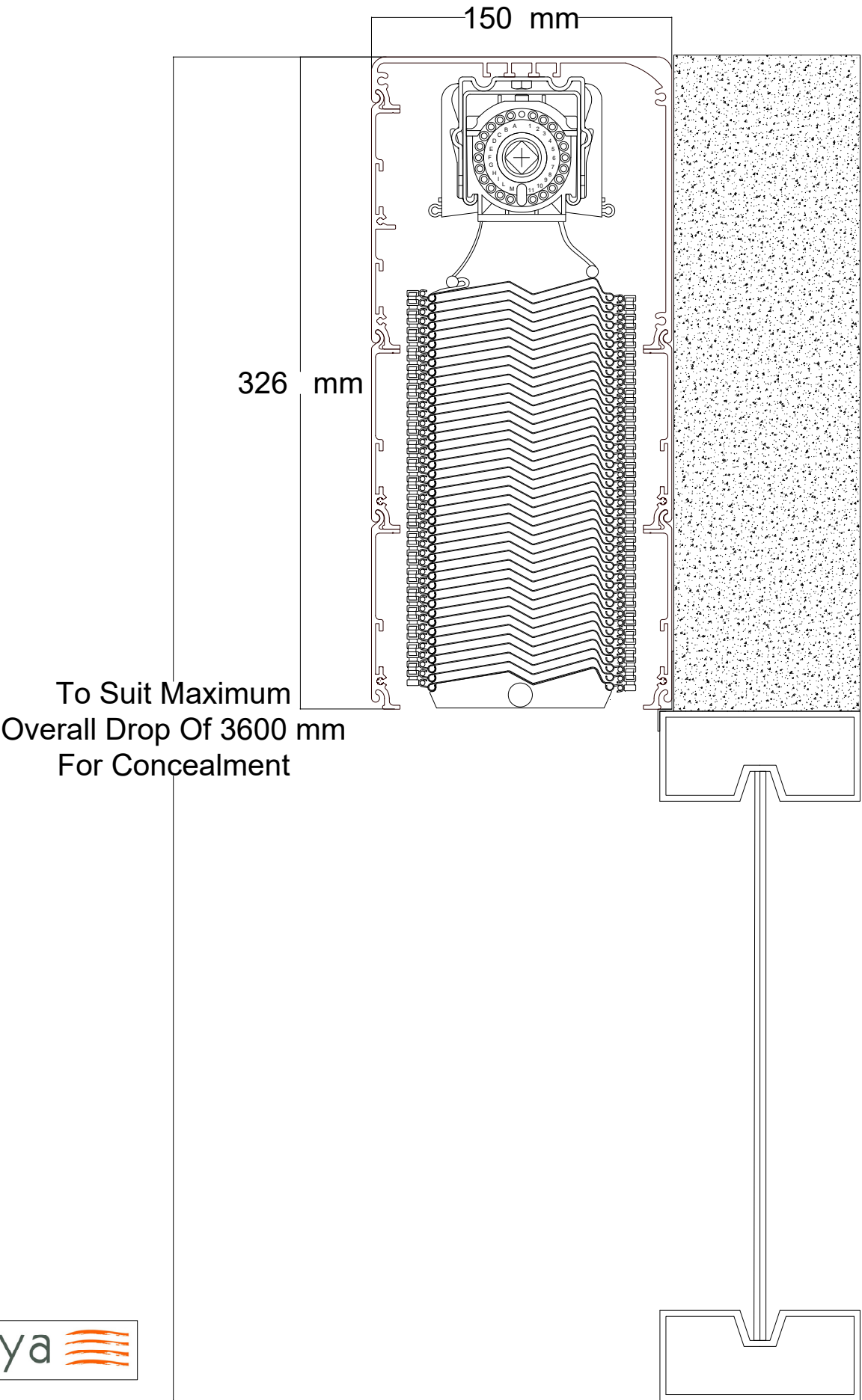
3.3b1 Pelmet Type B 296 - EV93D

Conceal Retracted
Stack Height - 3050mm



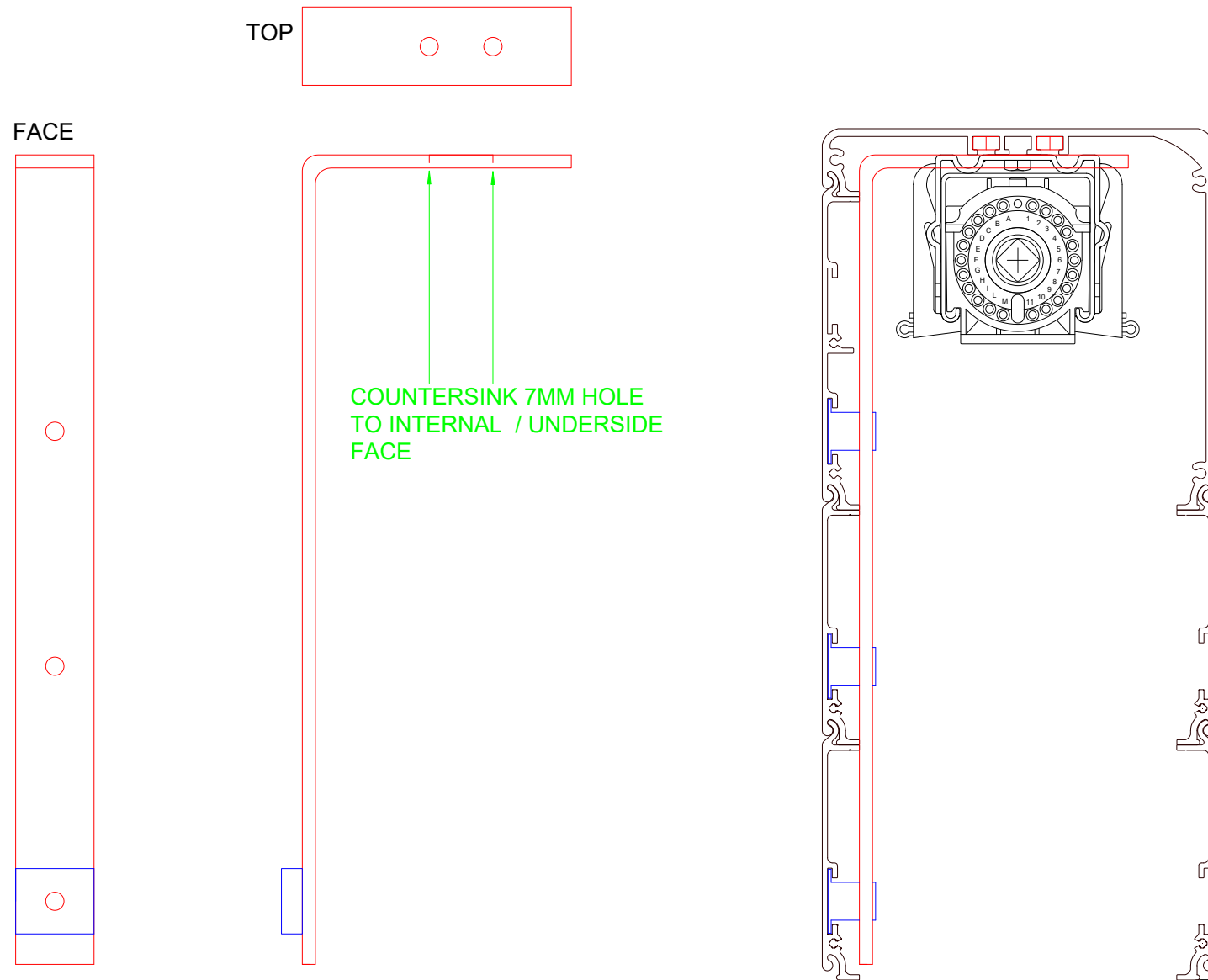
3.3c Pelmet Type B 326 - EV93D

Concealed Retracted
Stack Height - 3600mm



PELMET TYPE B 326
FASCIA BRACE

5MM STAINLESS STEEL
30MM WIDE

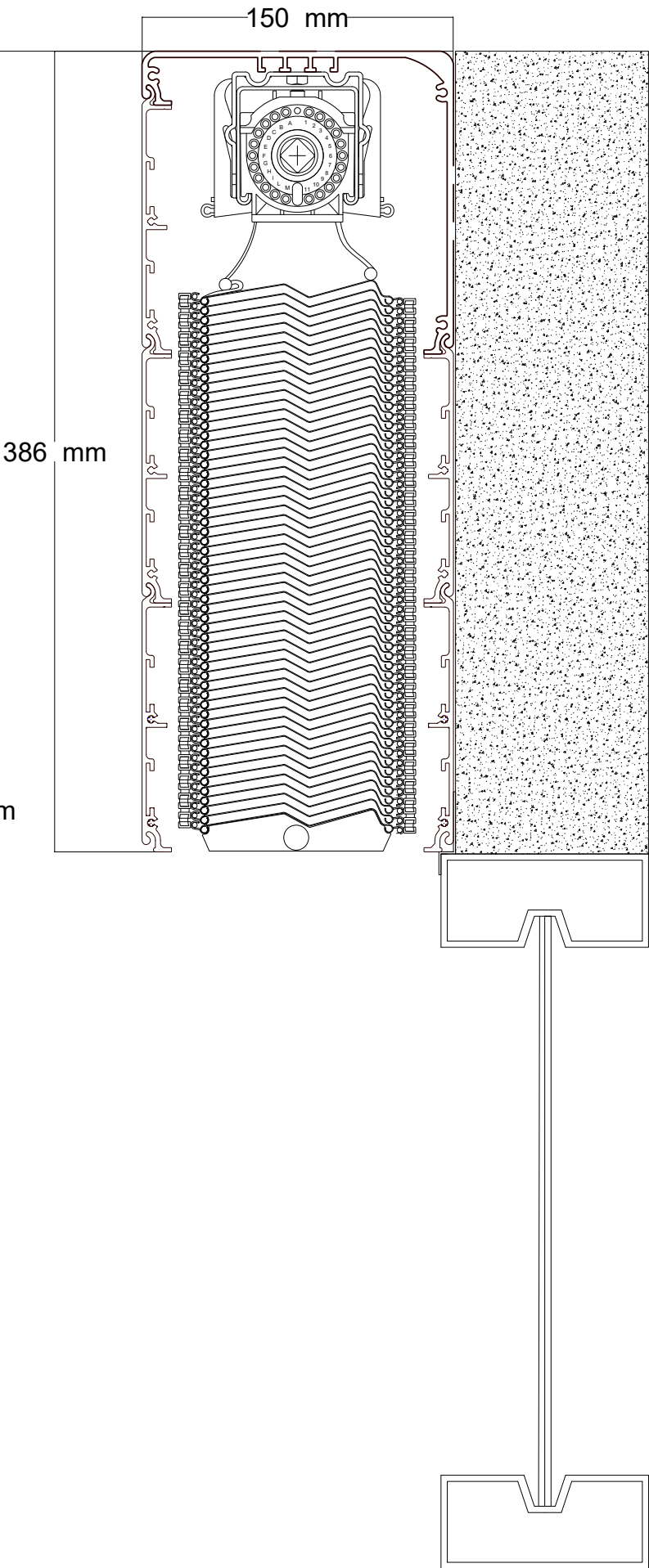


Recommended for use in face fix installation once pelmet width is greater than 3600mm

3.3d Pelmet Type B 386 - EV93D

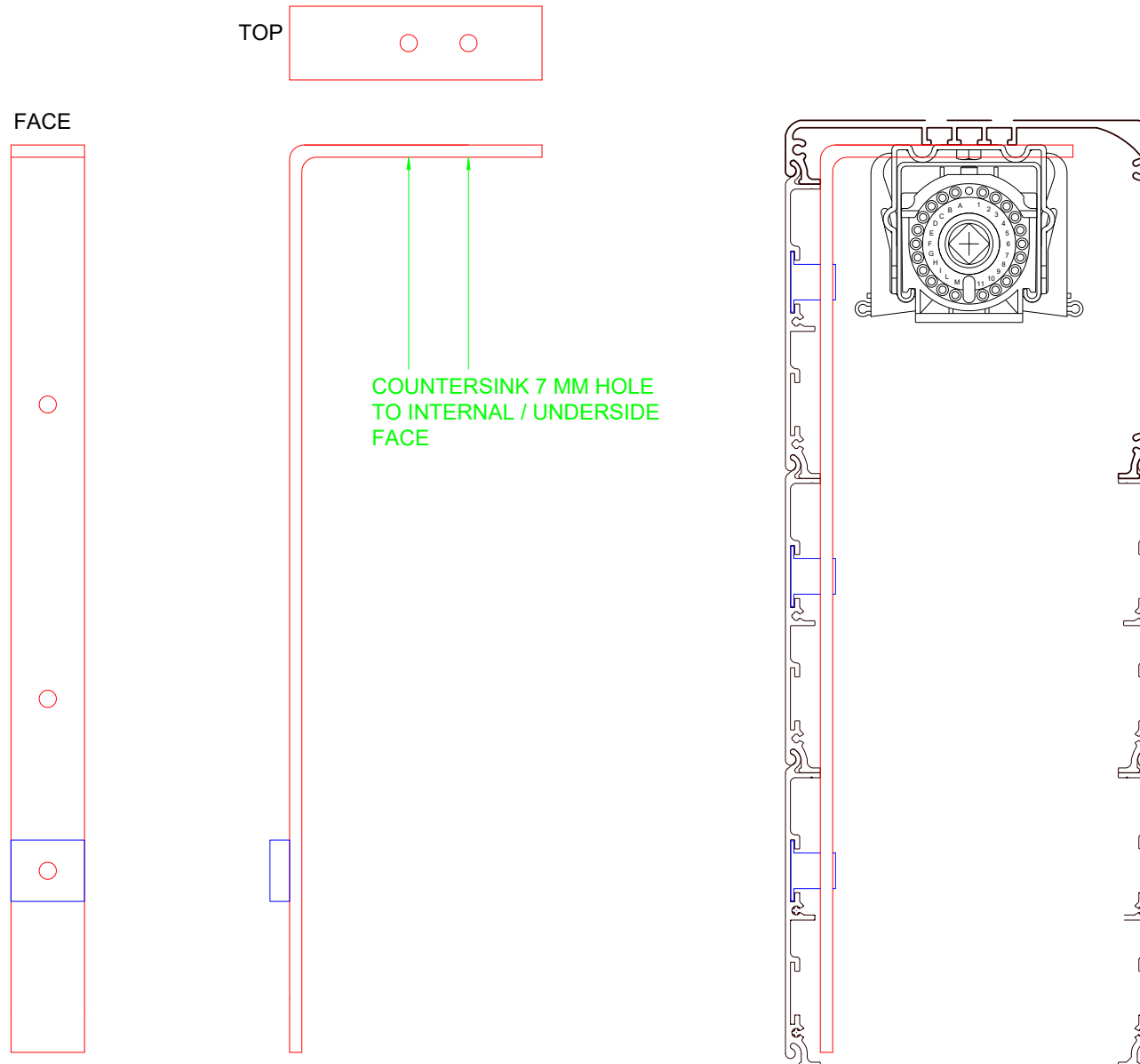
Concealed Retracted
Stack Height - 4600mm

To Suit Maximum
Overall Drop Of 4600 mm
For Concealment



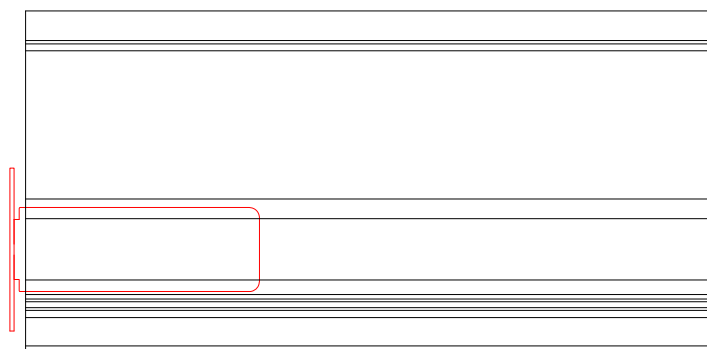
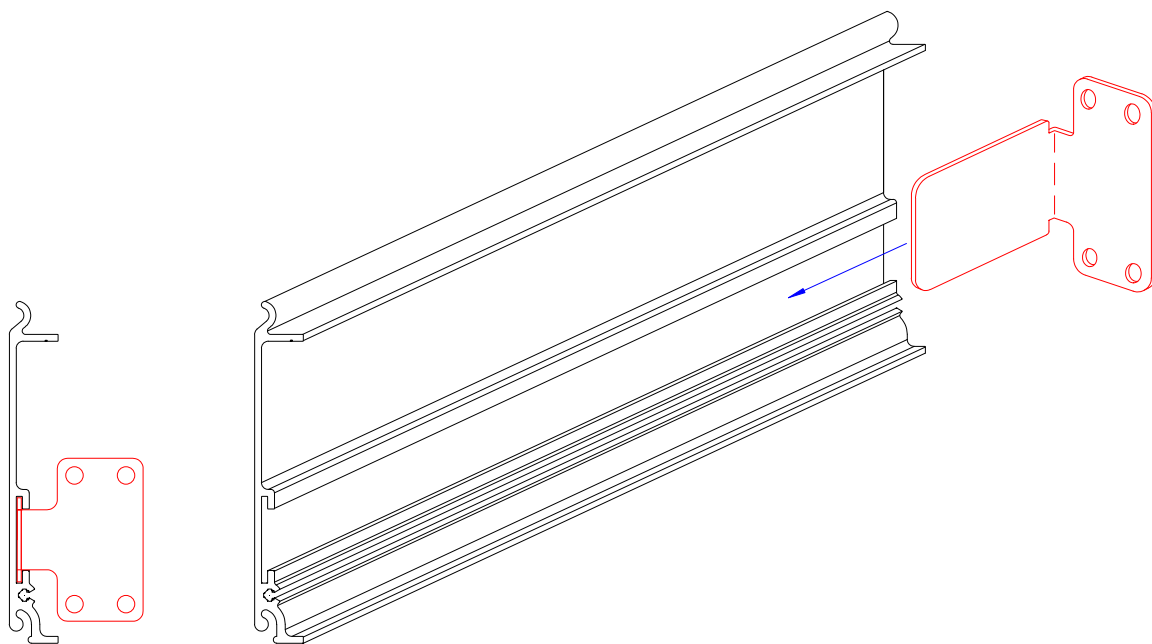
PELMET TYPE B 386
FASCIA BRACE

5MM STAINLESS STEEL
30MM WIDE



Recommended for use in face fix installation once width is greater than 3600mm

PELMET FASCIA PANEL TAB



Slide fit with 60mm / 90mm / 120mm fascia panels.

Recommend for use when screw fixing of fascia panel through pelmet end cap is not possible

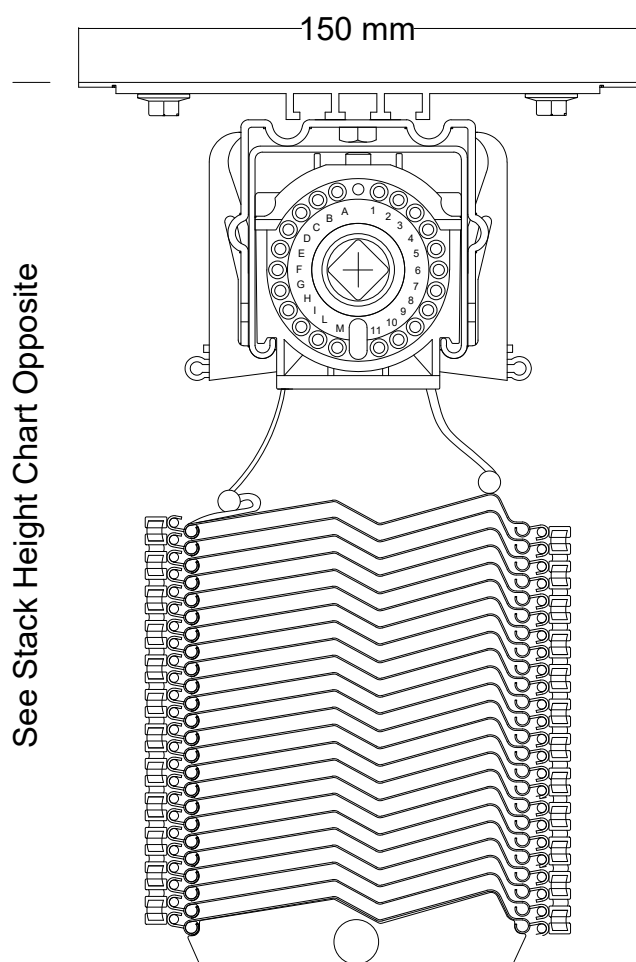
- Mechanically fasten sideways to pelmet end cap through holes as shown

OR

- Fix using adhesive compound

3.5 Type C Mounting Plate

Top Fix Plate for recess application.



Architect / Builder responsible for the design and construction of recess for EV93D

OVERALL HEIGHT MM	STACK HEIGHT MM
1750	215
2000	230
2250	245
2500	260
2750	275
3000	290
3250	305
3500	320
3750	335
4000	350

Stack height = Overall height

Overall height formula = Window height plus cavity height

Calculation example is as follows;

Window height = 2700mm

Proposed cavity height = 350mm

Total overall height = 3050mm

In the chart above, an overall height of 3250mm has a stack height of 305mm

Therefore, the proposed cavity height of 350mm will fully conceal an overall height of 3050mm

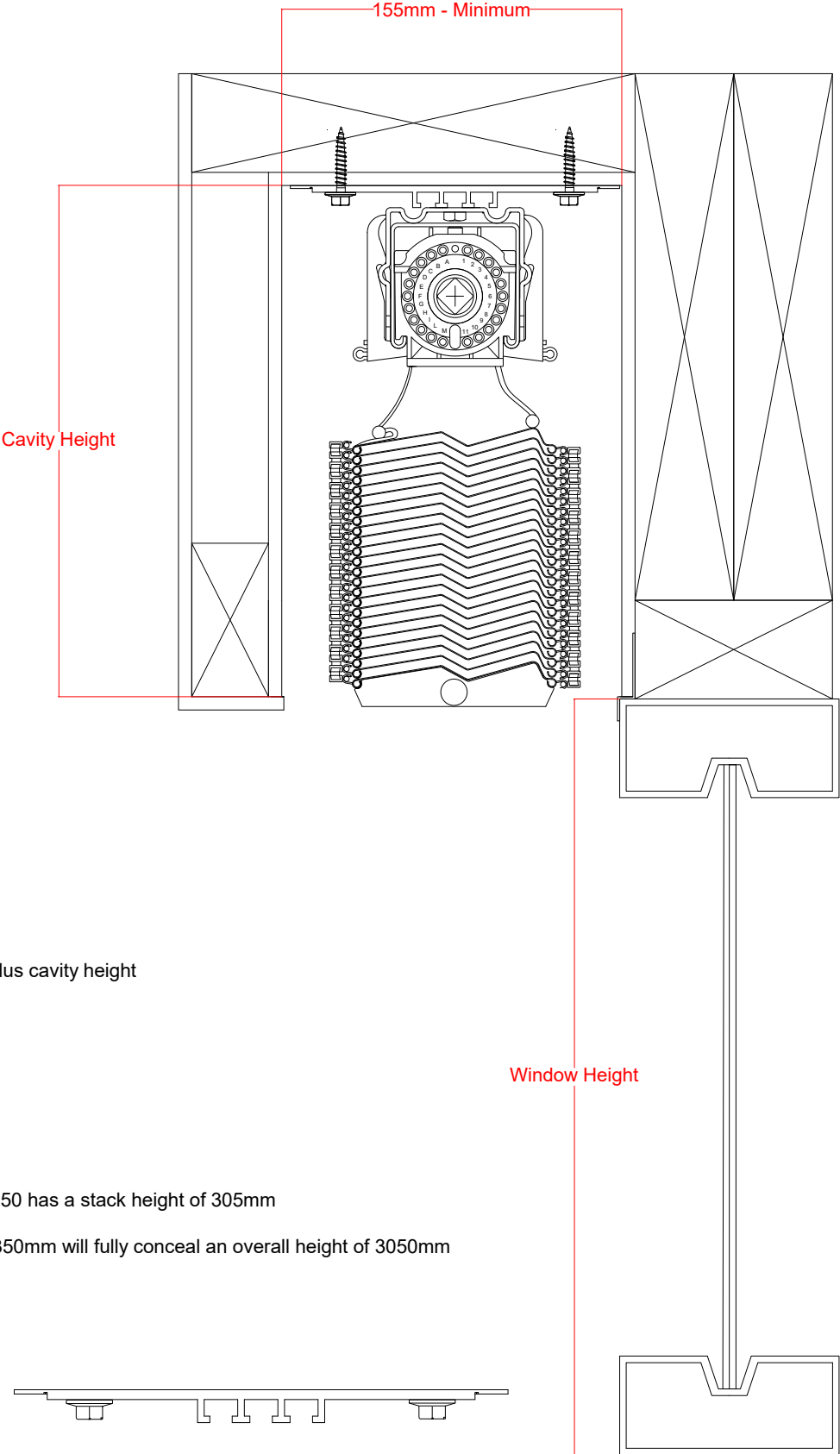


3.5a Type C Mounting Plate - EV93D

Typical Construction Detail

Architect / Builder responsible
for design and construction of
recess for EV93D

OVERALL HEIGHT MM	STACK HEIGHT MM
1750	215
2000	230
2250	245
2500	260
2750	275
3000	290
3250	305
3500	320
3750	335
4000	350



Stack height = Overall height

Overall height formula = Window height plus cavity height

Calculation example is as follows;

Window height = 2700mm

Proposed cavity height = 350mm

Total overall height = 3050mm

In the chart above, an overall height of 3250 has a stack height of 305mm

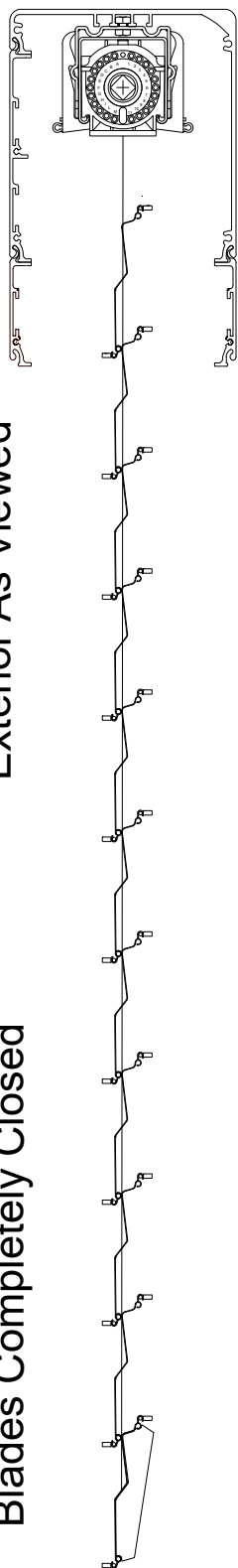
Therefore, the proposed cavity height of 350mm will fully conceal an overall height of 3050mm



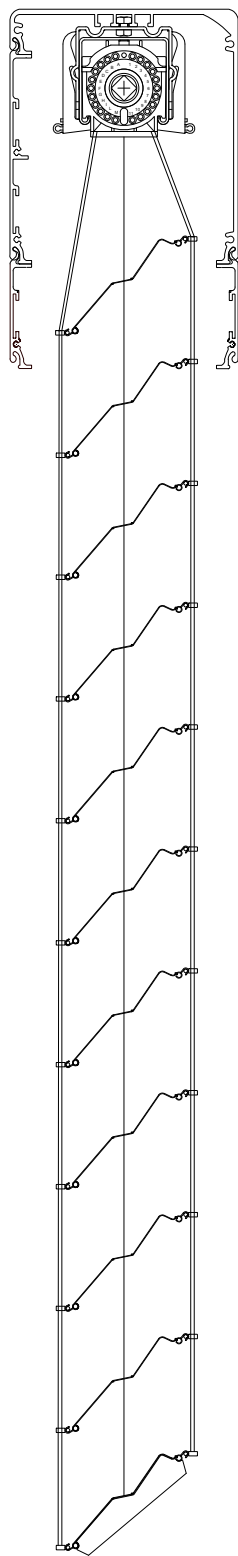
6.2 EV93D Section Blade Angles - Pelmet Type B 236

Exterior As Viewed

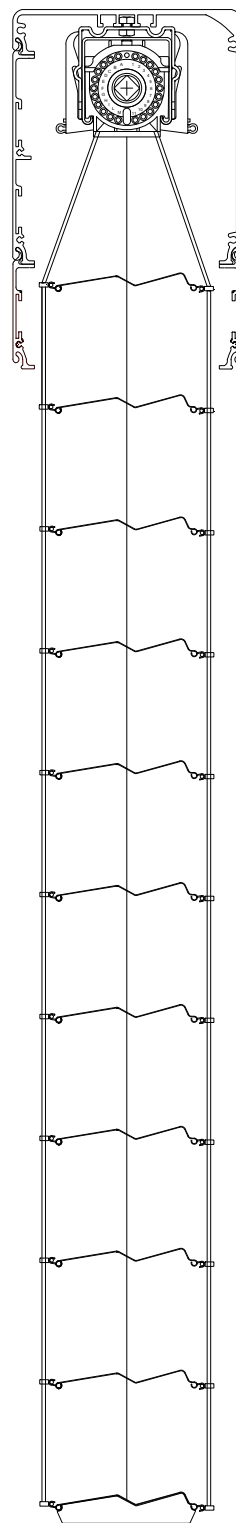
Blades Completely Closed



Blades Partially Open



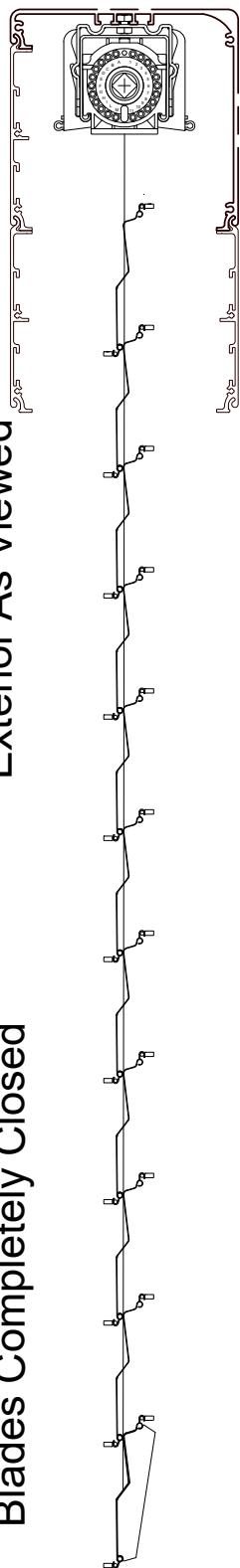
Blades Open



Interior As Viewed

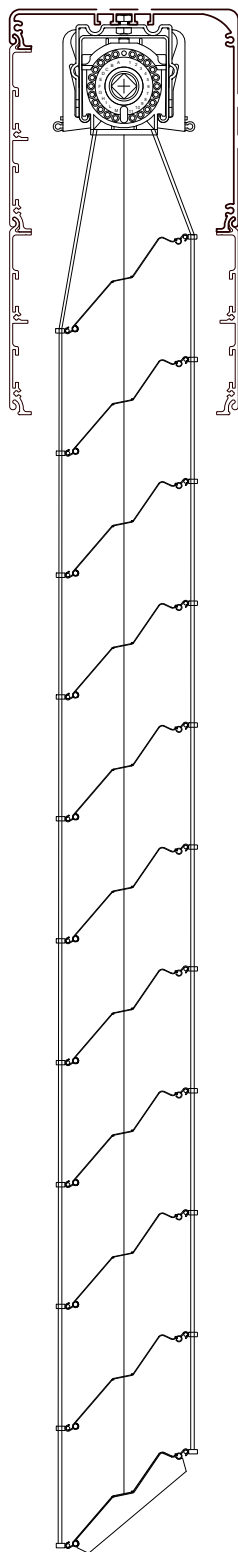
6.3 EV93D Section Blade Angles - Pelmet Type B 266

Exterior As Viewed

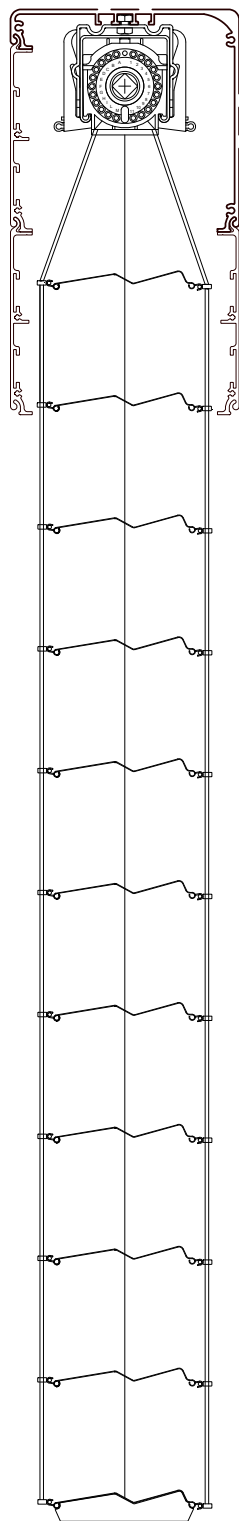


Blades Completely Closed

Blades Partially Open



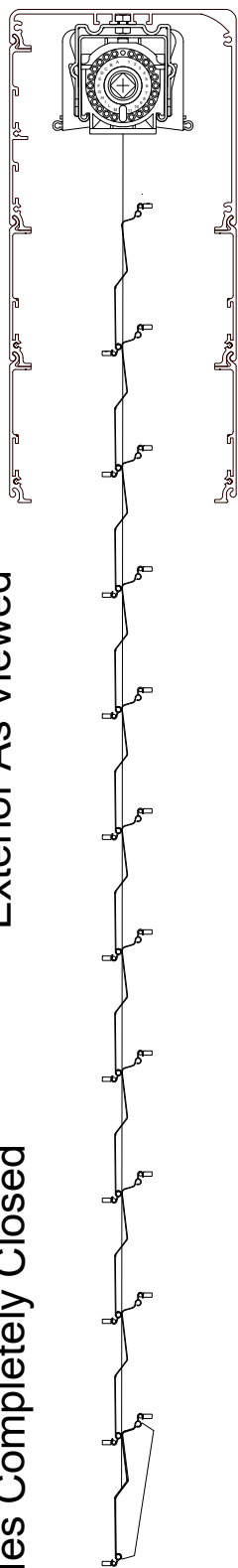
Blades Open



Interior As Viewed

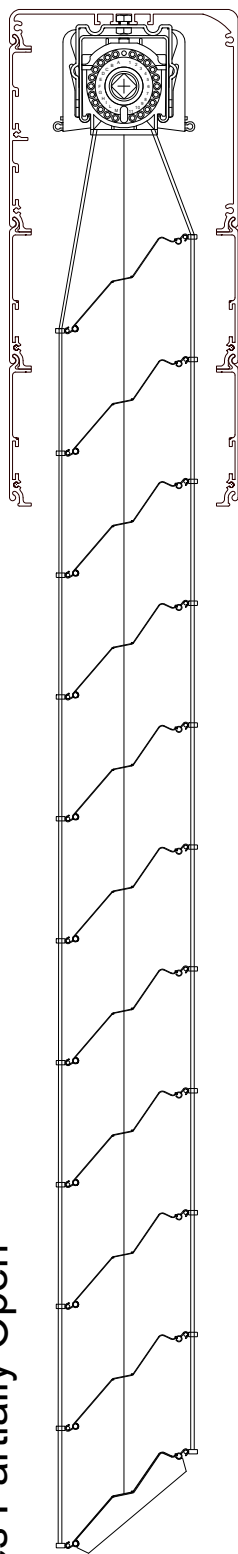
6.4 EV93D Section Blade Angles - Pelmet Type B 326

Exterior As Viewed

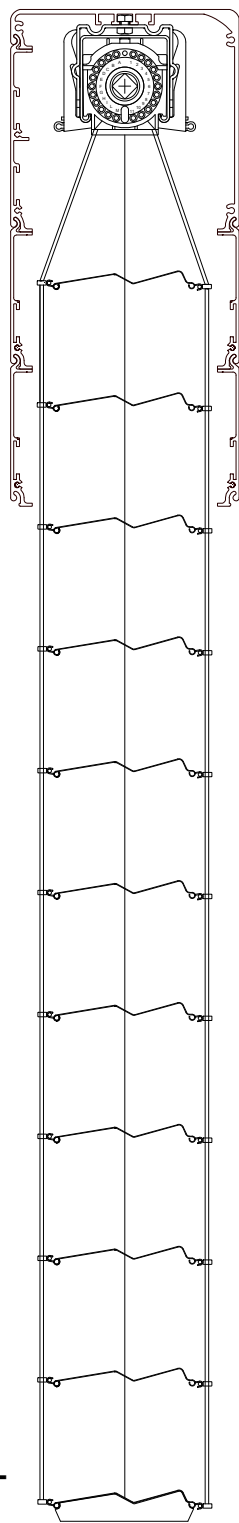


Blades Completely Closed

Blades Partially Open



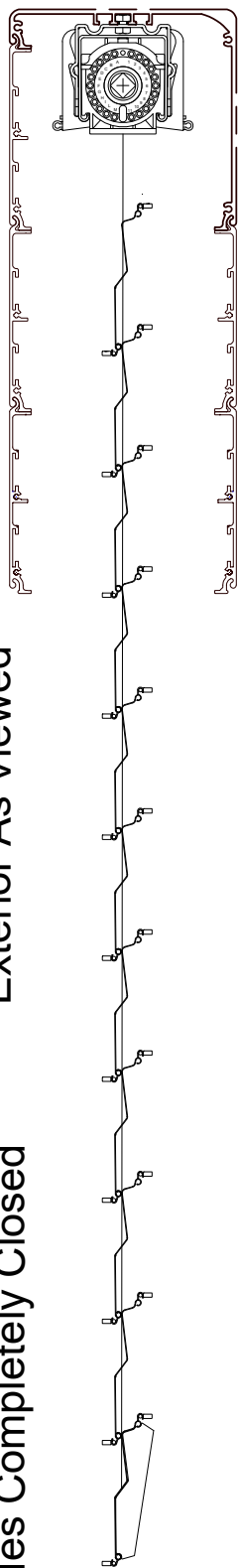
Blades Open



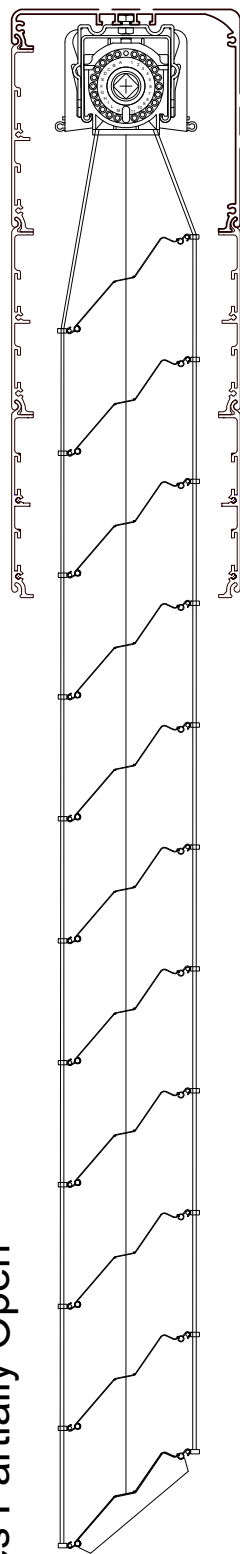
Interior As Viewed

6.5 EV93D Section Blade Angles - Pelmet Type B 386

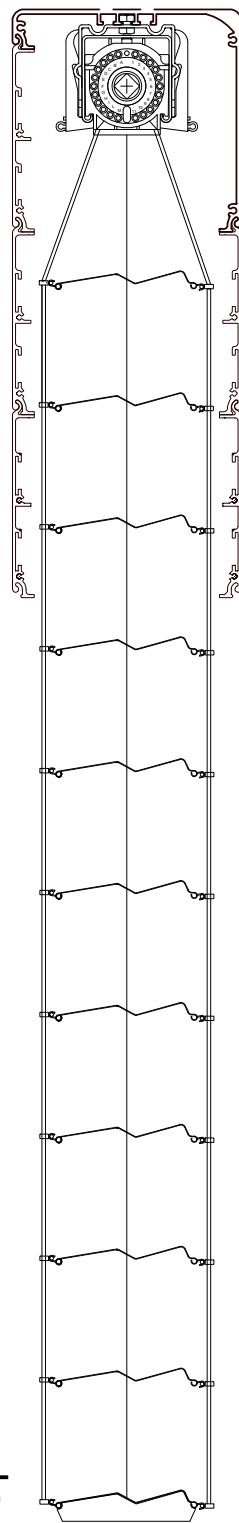
Blades Completely Closed



Blades Partially Open



Blades Open

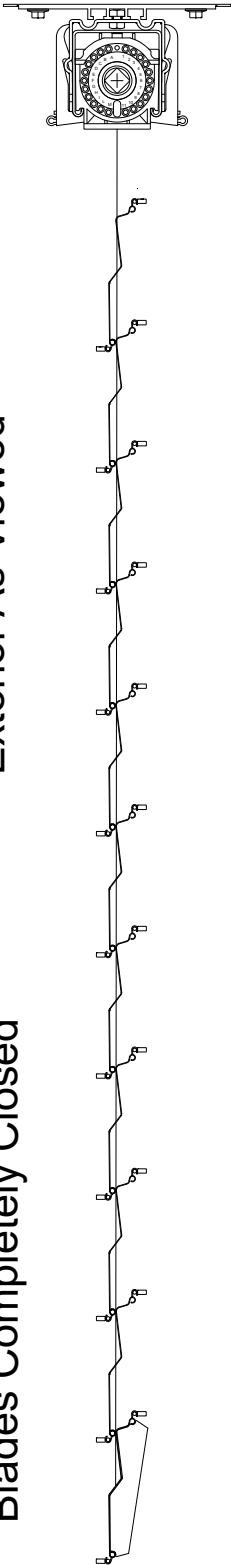


Interior As Viewed

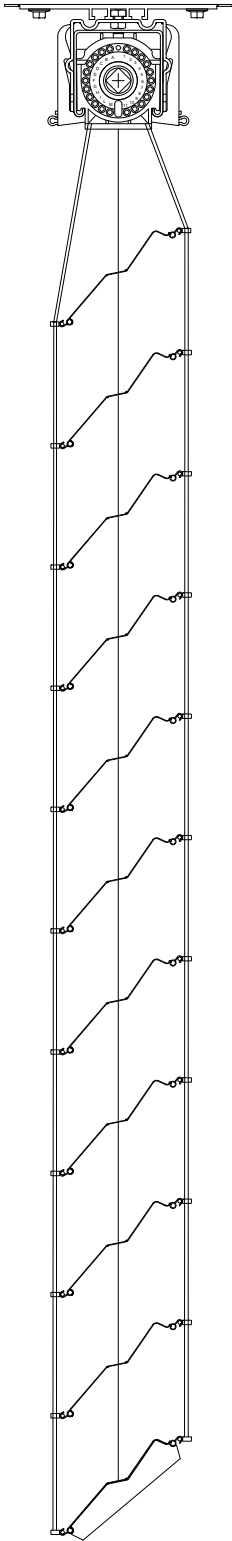
6.6 EV93D Section Blade Angles - Type C Mounting Plate

Exterior As Viewed

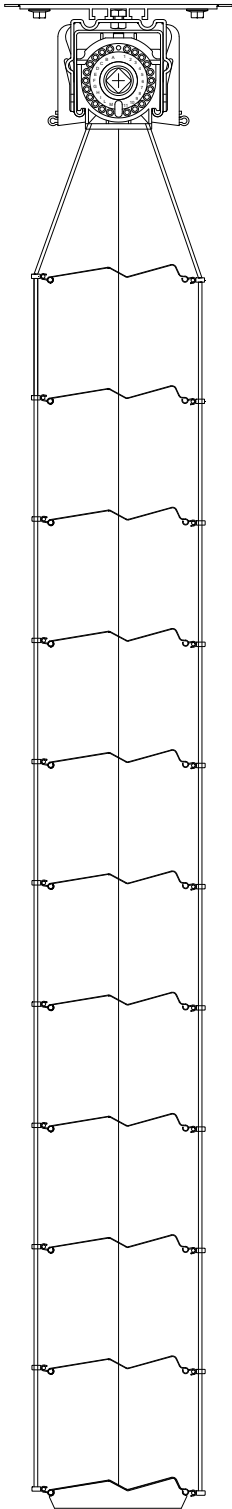
Blades Completely Closed



Blades Partially Open



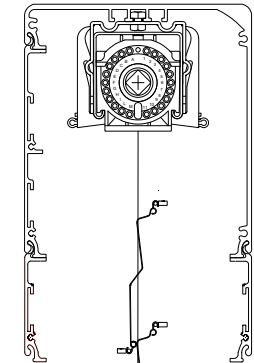
Blades Open



Interior As Viewed

7.1 EV93D - TABLE OF HEIGHTS FOR TOTAL CLOSURE

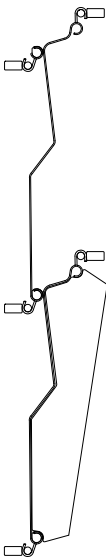
Exterior As Viewed



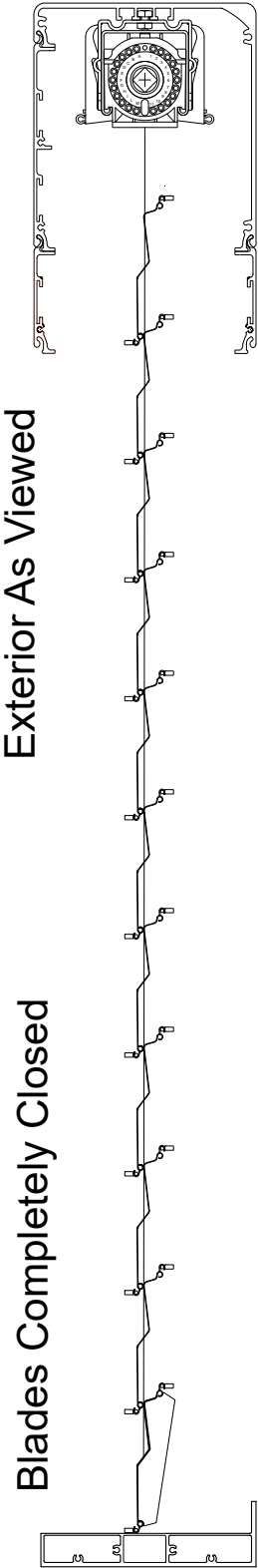
Blades Completely Closed



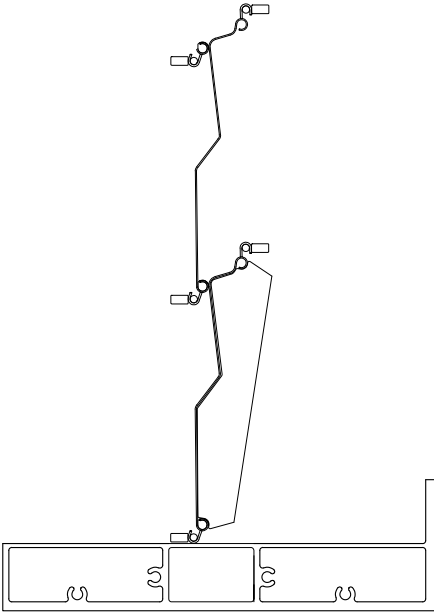
OVERALL FINISHED HEIGHT - MM			
553	1593	2633	3673
633	1673	2713	3753
713	1753	2793	3833
793	1833	2873	3913
873	1913	2953	3993
953	1993	3033	4073
1033	2073	3113	4153
1113	2153	3193	4233
1193	2233	3273	4313
1273	2313	3353	4393
1353	2393	3433	4473
1433	2473	3513	4553
1513	2553	3593	4633



7.2 EV93D SHROUD SYSTEM TABLE OF HEIGHTS FOR TOTAL CLOSURE



OVERALL FINISHED HEIGHT - MM			
576	1616	2656	3696
656	1696	2736	3776
736	1776	2816	3856
816	1856	2896	3936
896	1936	2976	4016
976	2016	3056	4096
1056	2096	3136	4176
1136	2176	3216	4256
1216	2256	3296	4336
1296	2336	3376	4416
1376	2416	3456	4496
1456	2496	3536	4576
1536	2576	3616	4656





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