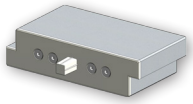
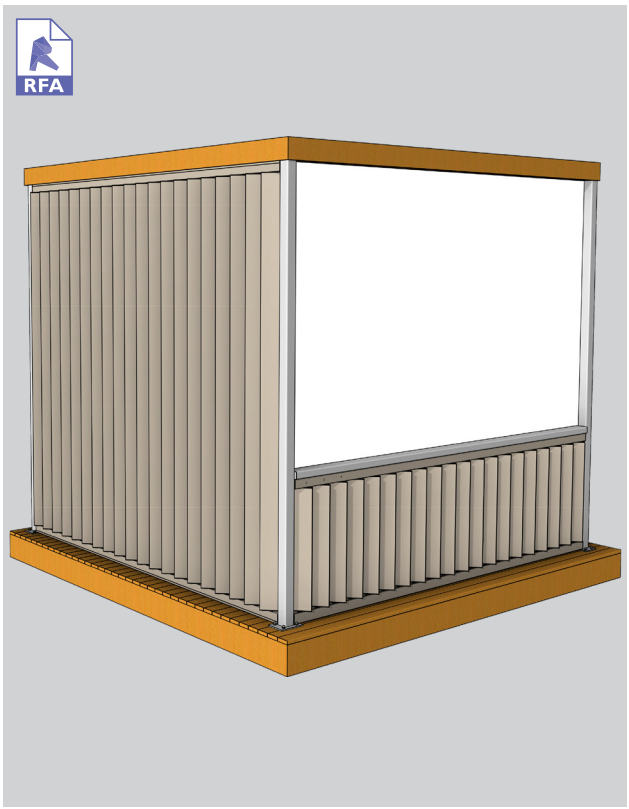


135MM HI-SPAN BALUSTRADE LOUVRES

operable balustrades

The 135mm Hi-Span louvre has been designed to provide an operable Spiral pivoting louvre suitable to be used as a balustrade system in NZ. The louvre is to be used as an infill panel only and does not include structural horizontal or vertical balustrade supports.
Structural balustrade support by others.



SPIRAL PIVOT OPERABLE 135MM HI-SPAN BALUSTRADE LOUVRE CAN ALSO BE END FIXED

TECHNICAL DETAILS BALUSTRADES

NZ AND AUSTRALIAN COMPLIANCE REQUIREMENTS

This is a general guideline outlining some key requirements as at the time of printing. Please confirm all details with your local regulatory authority prior to balustrade installation.

1. A barrier is required when somone could fall verticallly 1m or more.
2. Balustrade or barrier must be 1m high and of adquate strength to cope with people pressing against it.
3. Ensure nowhere on the balustrade a child can get a foot hold between 150mm & 750mm above the deck surface to climb over the balustrade or fall through.
4. In NZ the maximum opening between balustrade verticals is 100mm.
5. In Australia the maximum opening between balustrade verticals is 125mm.

SURFACE COATINGS

A wide range of options are available.


ANODISED


WOOD FINISH


POWDERCOATED

OPERATING THIS BALUSTRADE LOUVRE - THE CHOICE IS YOURS

Fixed options

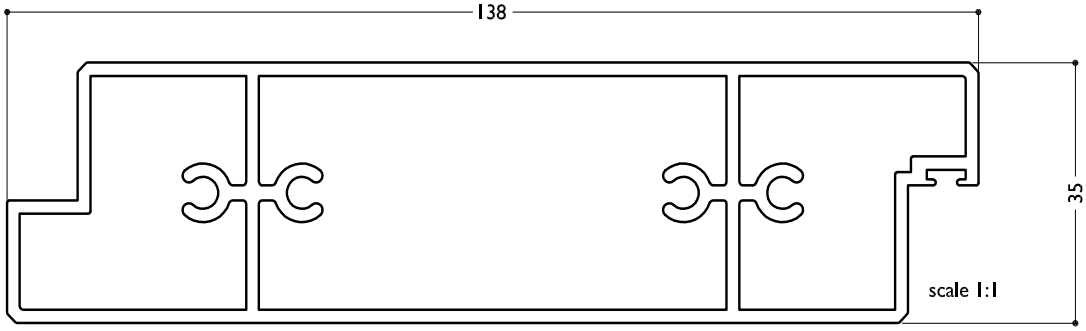
Operable systems


LOUVRETEC GEARBOX

HOME MOTION by somfy

MOTORS AND SENSORS

TECHNICAL DETAILS 135MM HI-SPAN BALUSTRADE LOUVRES (NOTE ACTUAL BLADE WIDTH 138MM)



BLADE SPECIFICATIONS			
Blade cover - opening system	130 mm	Weight per lineal metre	2.16 kgm/lm
Weight per square metre - opening system	16.4 kg/sqm	Actual blade width	138 mm
Blade Centres - opening system	130 mm		

SPANS AT A GLANCE NB Refer Engineering Section. Climate, terrain, shielding, location, type of structure contribute to determine spans.

WIND ZONE	INSIDE	LOW	MEDIUM	HIGH	VERY HIGH	EXTRA HIGH
Factored wind speed at building		32m/s 115km/hr	37m/s 133km/hr	44m/s 158km/hr	50m/s 179km/hr	55m/s 198km/hr
Ultimate limit state loads (kPa)		+0.92 & -1.15	+1.23 & -1.53	+1.74 & -2.17	+2.24 & -2.80	+2.71 & -3.39
Adjustable and Fixed - Horizontal and Vertical	4850	4400	4400	4100	3700	3500
Adjustable and Fixed -Balustrade	3000	3000	3000	3000	3000	3000

INSTALLATION OPTIONS

SPIRAL PIVOT SYSTEM: CALCULATE OPTIMUM FRAME OPENING SIZES

Width: Check engineering limits

Heigh: Calculation example showing 17 blades

STEP 1	
16 blades x 130	2080
1 blade at 138	138
17 blades	=2218
STEP 2	
Blade cover	2218
+ top and bottom closing angles allow for	
5mm + 5mm	10
Total exact opening height	=2228*

*This is inside measure - not outer frame size.

END FIXED

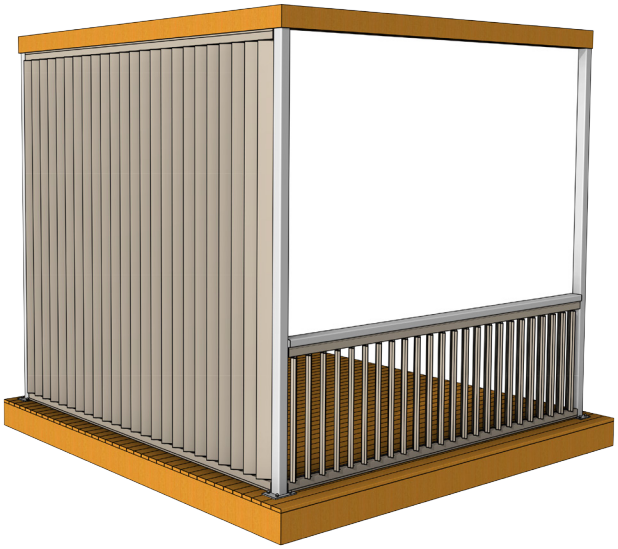
Louvres at any pitch

Louvres at any centre

PRODUCT DETAILS 135MM AND 165MM HI-SPAN BALUSTRADE LOUVRES

TYPICAL DETAIL 3D MODELS **135MM HI-SPAN BALUSTRADE LOUVRE - SPIRAL PIVOT HAND OPERABLE**

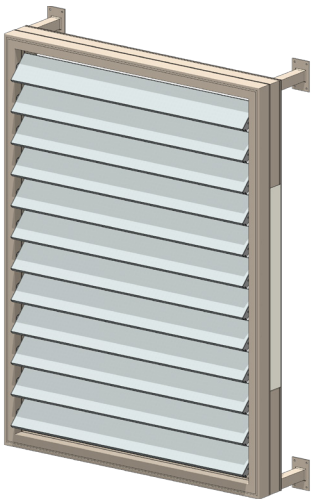
RFA



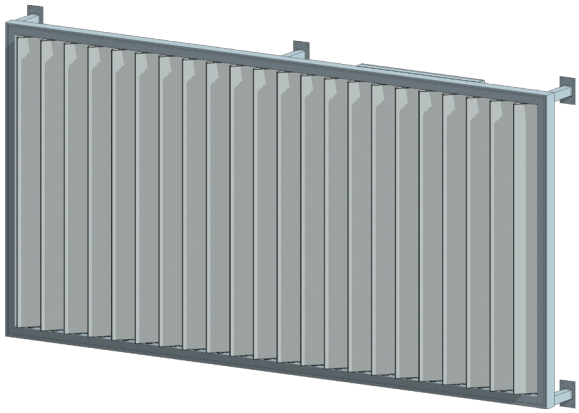
135mm Hi-span balustrade - full height and balustrade height operable Spiral Pivot panel. Structural balustrade horizontal and vertical. Supports done by others.

TYPICAL DETAIL 3D MODELS **165MM HI-SPAN BALUSTRADE LOUVRE - SPIRAL PIVOT MOTORISED**

RFA



Super Elam Street structural frame with sub-frame vertical panel - horizontal louvres

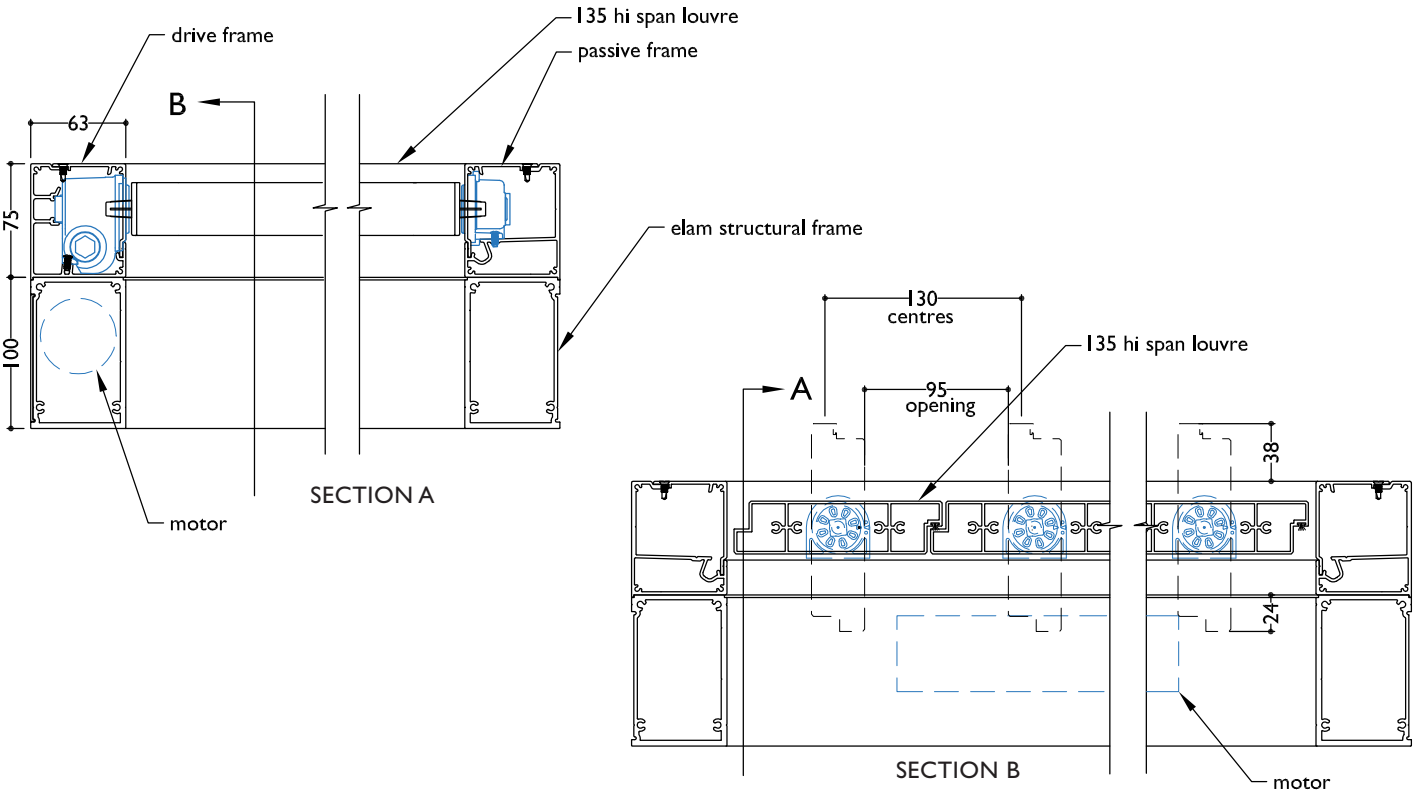


Elam Street vertical panel - vertical blades

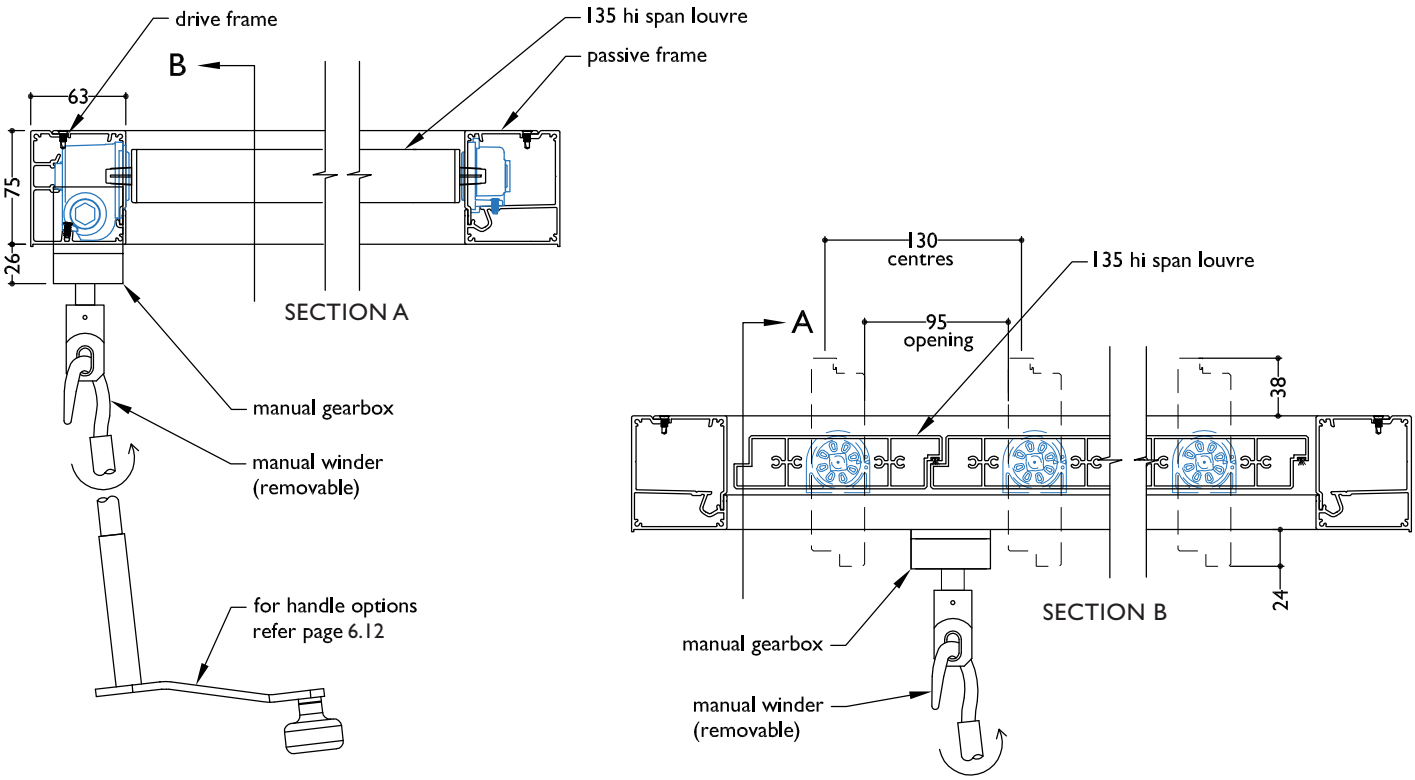
LouvreTec®

DWG PDF RFA

SECTION - MOTORISED 135 HI-SPAN LOUVRE SPIRAL PIVOT ON SUPER ELAM STREET STRUCTURAL FRAME WITH SUB-FRAME

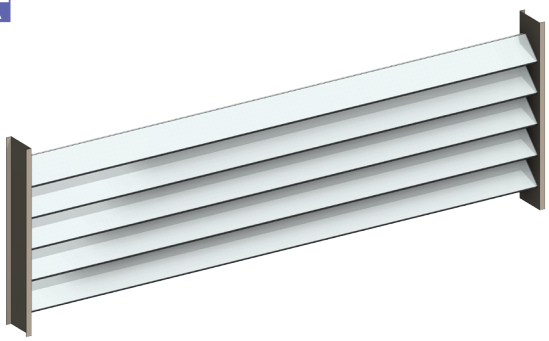


SECTION - MANUALLY OPERABLE 135 HI-SPAN LOUVRE SPIRAL PIVOT

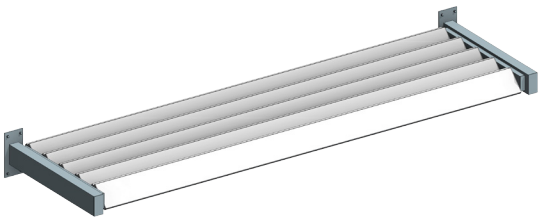


TECHNICAL DETAILS 135MM AND 165MM HI-SPAN BALUSTRADE LOUVRES

TYPICAL DETAIL 3D MODELS **135MM HI-SPAN BALUSTRADE LOUVRES - END FIXED**

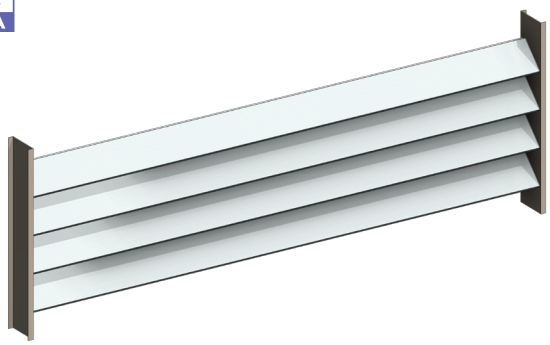


135mm Hi Span louvres - end fixed vertical panel

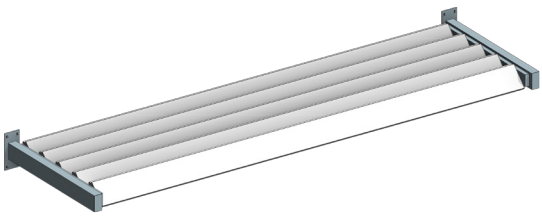


135mm Hi Span louvres - end fixed overhead panel

TYPICAL DETAIL BIM **165MM HI-SPAN BALUSTRADE LOUVRES - END FIXED**



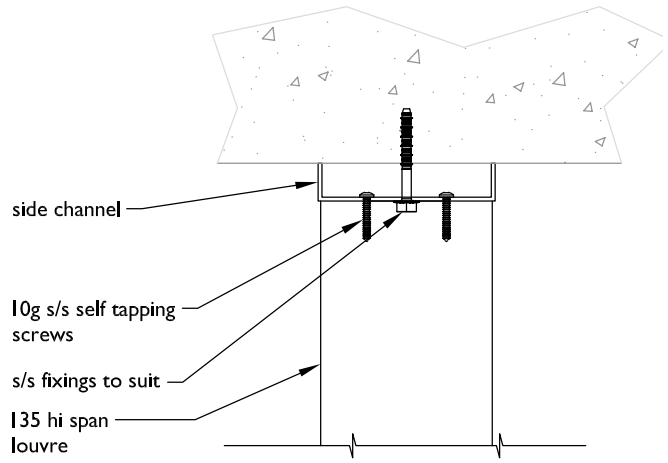
165mm Hi-Span louvre end fixed vertical panel



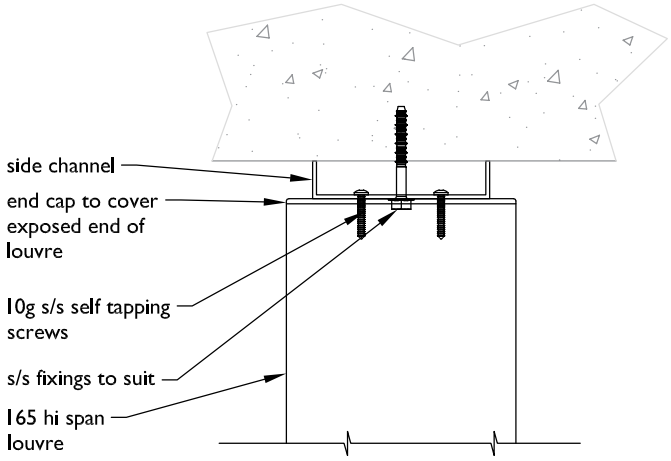
165mm Hi-Span louvres end fixed overhead panel

TYPICAL DETAIL : 135MM AND 165MM HI-SPAN BALUSTRADE LOUVRES END FIXED

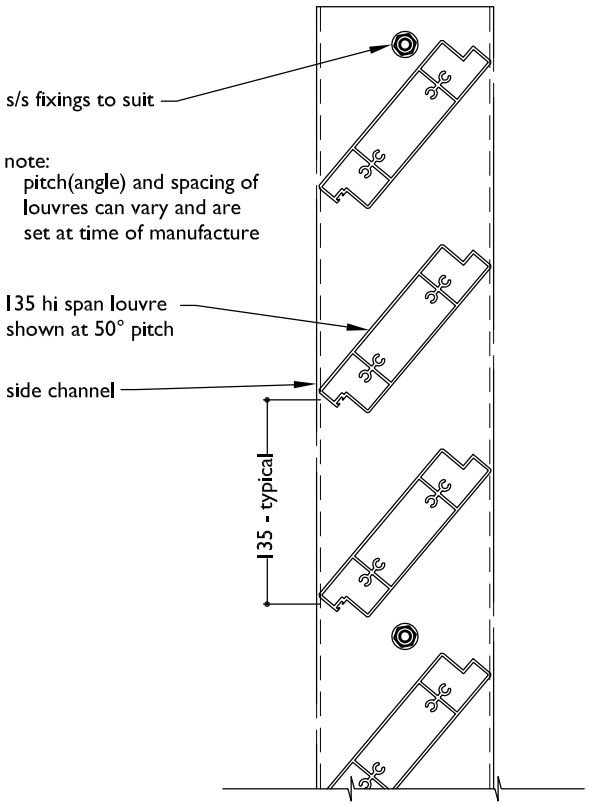
PLAN - END FIXED
135 HI SPAN LOUVRE



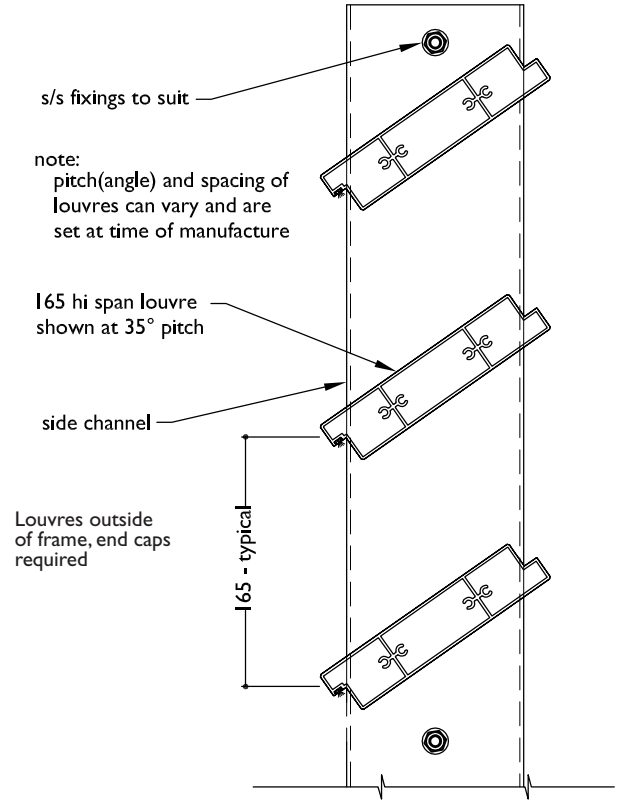
PLAN - END FIXED
165 HI SPAN LOUVRE



SECTION - END FIXED
135 HI SPAN LOUVRE



SECTION - END FIXED
165 HI SPAN LOUVRE



DATE MODIFIED : 01/01/2017 SCALE: 1:5 @ A4 FILE: 8.50

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