



FUSION LINE



Creativity in progress

40
40 YEARS OF
EXCELLENCE

ALUMINCO®
ALUMINIUM BUILDING SYSTEMS



Llevamos 40 años ofreciendo soluciones innovadoras de sistemas arquitectónicos de aluminio. ¡Y seguimos!

Desde 1982, ALUMINCO, dirigida a la comunidad internacional de arquitectos, diseñadores, ingenieros y fabricantes, ofrece una amplia gama de soluciones arquitectónicas de aluminio innovadoras, energéticamente eficientes y sostenibles, incorporando estándares de alta calidad, alta funcionalidad y diseño moderno.

En Aluminco implantamos Sistemas de Calidad, Medio Ambiente, Seguridad y Salud en el Trabajo, Sistemas de Gestión de la Energía certificados según las normas internacionales ISO 9001, ISO 14001, ISO 45001 e ISO 50001 respectivamente, así como un Sistema de Control de la Producción certificado según las normas EN 15088, EN 1090 y Qualicoat Seaside Class. Los sistemas de aluminio son probados por organismos e institutos de certificación reconocidos internacionalmente por sus excelentes características y rendimiento.

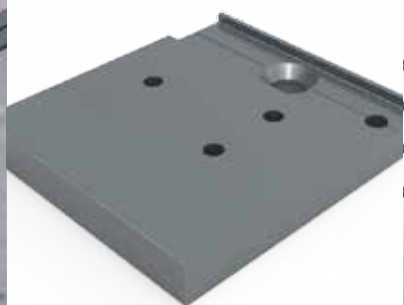
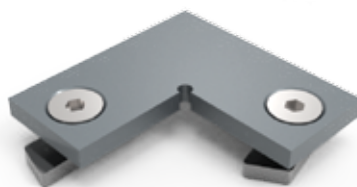
40 years offering innovative and sustainable solutions for architectural aluminium systems. And we keep on going!

Since 1982, targeting the international community of architects, designers, engineers, construction perfectionists and fabricators, ALUMINCO offers a complete range of architectural aluminium solutions that are innovative, energy efficient and sustainable, embodying top quality, high functionality and contemporary design standards.

In Aluminco we implement Quality, Environmental, Occupational Health and Safety, and Energy Management Systems certified according to international standards ISO 9001, ISO 14001, ISO 45001 and ISO 50001 respectively, as well as Factory Production Control System certified according to EN 15088, EN 1090 and Qualicoat Seaside Class. All our product series are approved by certified by internationally recognized institutes for their outstanding characteristics and performance.

WE ARE
A PART OF
TOMORROW





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FUSION LINE

Soluciones de barandillas de primera calidad

8

FUSION
LINE

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ORBIT, ELXIS, SYNTHESIS

Cada tipo tiene sus propias características, y se crea un nuevo look, mientras ofrece la última respuesta a lo demandado con un sistema de pasamanos contemporáneo.

In the great family of ALUMINCO's railing systems joins the series Fusion Line.

The new series takes its name from its ability to combine with harmony and fantasy glass with aluminum in countless combinations, while at the same time to remain uncluttered, affordable luxury and very beautiful.

In this new series are the following types:

ORBIT, ELXIS, SYNTHESIS

Each type has its own character, it is completely unique in the railing market, creating an entirely new look while offering the ultimate answer to the demand for contemporary and stylish railing systems.

Nueva experiencia con un nuevo mundo de barandillas

Fusion Line mejora considerablemente los aspectos de los pasamanos. Introduce ventajas y perfiles robustos con una fuerza extra.

-Diseño único para un look notable en un sistema de pasamanos único.

An entirely new experience enters the world of railings

Fusion line dramatically improves the most important aspects of the Railings experience. It introduces advanced and robust profiles for extra strength, unique design for impressive look and the best performance ever in a railing system.



10

1

Diseño minimalista

Gracias a los extremos minimalistas y simples de las series lineales del fusion line, estamos trabajando para que sea un elemento visual.

Minimalist Design

Thanks to the extreme simplicity and minimal nature of the fusion line series, it actually works really well as a visual element.

2

Seguridad

La barandilla de Fusion Line es extremadamente segura con las condiciones atmosféricas.

Reliable safety

Fusion line railings perform extremely well, providing utmost safety and protection.



3

Fácil y Rápida instalación

Fusion Line es cuidadosamente diseñada para beneficiarte de una fácil instalación.

Easy & Fast Installation

Fusion line railings are carefully designed to help installers benefit from quick and easy installations at all stages of their placement.

4

3 modelos distintos: Con infinitud de posibilidades

Orbit, Elxis y Synthesis combina el cristal y el aluminio juntos en numerosas combinaciones juntas.

Three types. Endless possibilities

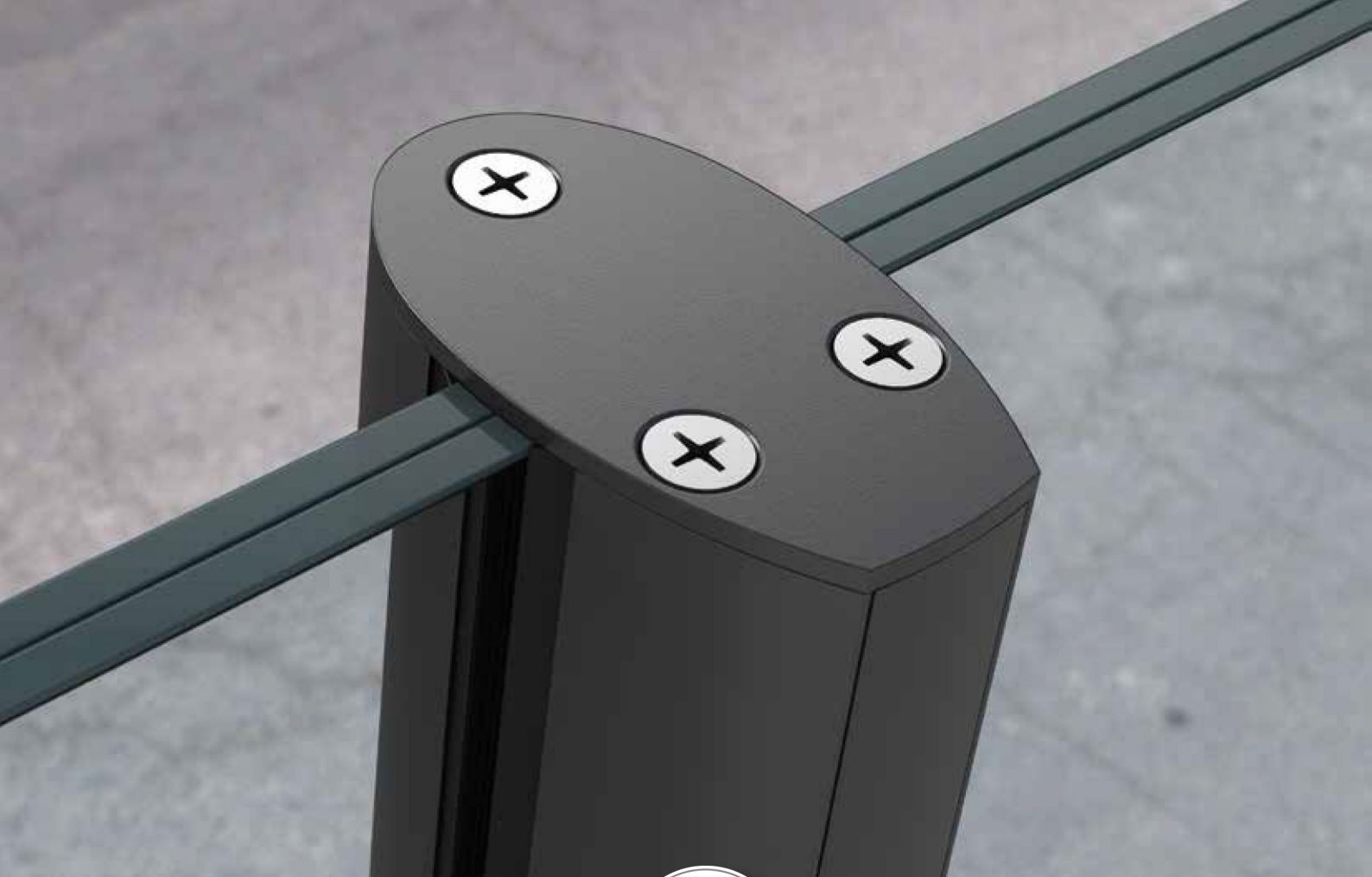
Orbit, Elxis and Synthesis blend aluminum and glass together in numerous unique combinations.

12

Orbit







14

Orbit1



- Diseño innovado elíptico
- Alto nivel de robustez, ideal para espacios abiertos
- Certificación que permite que el producto sea utilizado para proyectos de alta demanda con $>1.7 \text{ KN/m}$
- Máxima altura 2 m & ancho 1.50 m para separar espacios en hoteles y máxima altura de 1.20 m y ancho 1.30 m para aplicar en todas las barandillas.
- Solución ideal para separar espacios tanto de interior como de exterior.
- El uso para la separación de espacios para cooperar con todos los Fusion Line para pasamanos de todas las tipologías.
- Disponible para espacios comerciales.
- Disponible en todos los tonos anodizados y electroestática.
- Adecuado para casas modernas, y construcción de hoteles y centros comerciales.
- Máximo ancho del cristal 66.4PVB=13.52mm.
- Innovative elliptical design.
- High level of robustness, ideal for large glazing openings.
- Certification that allows the product use for projects that demand high performance standards ($>1.7 \text{ KN/m}$).
- Maximum height 2 m & width 1.50 m for special hotel partition applications and max. height 1.20 m and width 1.30 m for typical railing applications.
- Ideal solution for space partition in indoor and outdoor spaces.
- Having the use of partition cooperates with all Fusion Line handrails for all railing typologies.
- Suitable for fixed windscreen in commercial places.
- Available in all range of electrostatic and anodising shades.
- Suitable for modern homes, commercial buildings and hotels.
- Maximum glass thickness 66.4PVB=13.52 mm



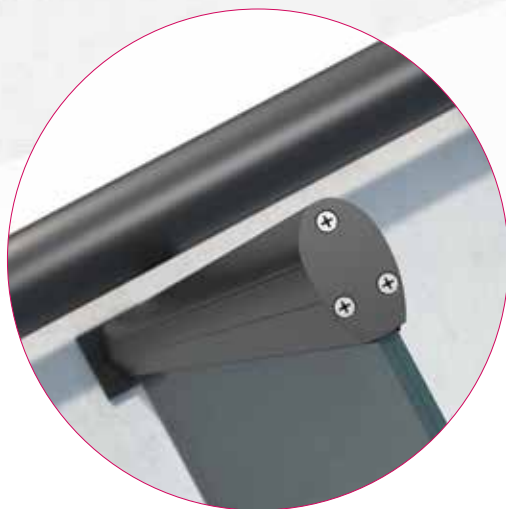
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Features



16

Features





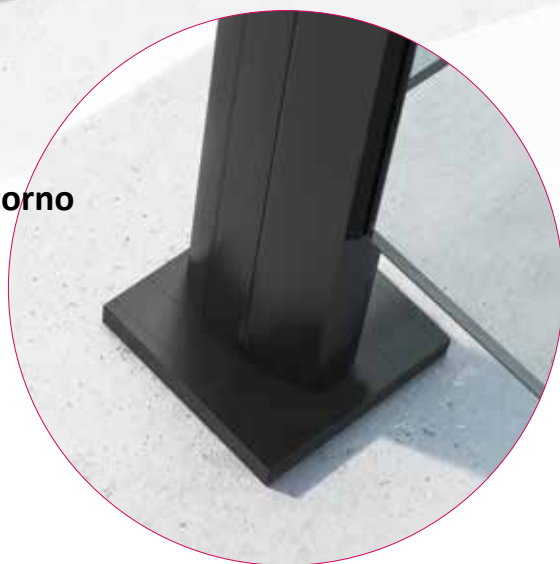
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Partición de una estancia en armonía con el entorno

2 Tipos de Orbit 1: Es la solución para mantener el balance entre la estética y lo necesario para la privacidad.

Hotel partitions in harmony with the environment.

Two types of Orbit 1 are the ideal solution to maintain the balance between the aesthetics and the need for privacy.



Orbit2

- Diseño innovado tipo rectangular
- Alto nivel de robustez, ideal para cristales grandes.
- Certificación que permite que el producto sea utilizado para proyectos de alta demanda con ($>1.7 \text{ Kn/m}$).
- Máxima altura 1.20 m & ancho 1.30 m para todas las barandillas.
- Máxima duración y alta resistencia.
- Disponible para separar espacios tanto de interior como de exterior.
- Disponible para espacios en centros comerciales.
- Disponible en todos los tonos anodizados y electroestática.
- Máximo grosor de 66.4 PVB=13.52 mm
- Innovative rectangular type design.
- High level of robustness, ideal for large glazing openings.
- Certification that allows the product use for projects that demand High Performance Standards ($>1.7 \text{ KN/m}$).
- Maximum height 1.20 m & width 1.30 m for typical railing applications.
- Maximum durability and time resistance.
- Suitable for partition use in indoor and outdoor spaces.
- Suitable for windbreak stable use in commercial places.
- Available in all range of electrostatic and anodising shades.
- Maximum glass thickness 66.4PVB=13.52 mm



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Description



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Features

Elxis



- Diseño moderno que destaca la simplicidad con un diseño lineal e ideal para espacios minimalistas.
- Niveles altos de robustez
- Ancho columna para sólo 28 mm
- Máximo ancho entre las columnas 1300 mm
- Componentes mínimos, ofreciendo más comodidad y más económico.
- No son visibles para un resultado estético.
- Se pone el cristal en la parte inferior y pasamanos en la parte superior.
- Posibilidad de poner diferentes pasamanos para satisfacer la demanda a cualquier necesidad.
- Posible aplicación del plegado de cristal en la estructura.
- Disponible en todos los tonos de pintura anodizados y electroestática.
- Soluciones ideales para interior y exterior, tanto en vallas, balcones y escaleras de interior y exterior.
- Máximo grosor del cristal 55.4 PVB = 11.52 mm

- Modern design that highlights the simplicity of design lines, ideal for minimal design spaces.
- High levels of robustness for large window openings.
- Column width for only 28 mm.
- Maximum width between the columns 1300 mm.
- Minimum components, offering economy and ergonomics.
- Having no visible screws for perfect aesthetic result.
- Glass application at the bottom rail having handrail at the top. Handrail choices in numerous shapes satisfying the most demanding needs.
- Possible application of glass folding system on the structure.
- Available in all electrostatic and anodising shades.
- Ideal solution for indoor and outdoor spaces, balcony areas, fences, interior and exterior stairs.
- Maximum glass thickness 55.4PVB=11.52 mm



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Númerosas opciones personalizadas que ofrece una completa satisfacción hasta el último detalle.





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Features

Synthesis



- 
- Caracterizado para el diseño minimalista y estética moderna.
 - Singularidad en el hecho que el 80 % de la construcción es manufacturado en fábrica y sólo un 20 % en el proyecto.
 - Rapidez y fácil construcción y ubicación.
 - Construcción de módulos independientes (paneles)
 - Carril superior con marcos conectores independientes.
 - Columna ancho 12mm.
 - Máxima anchura entre columnas.
 - Amplia gama de perfiles combinados.
 - Todos los componentes son perfiles de aluminio.
 - Perfiles de intersección rectangular y ovalado.
 - Máximo grueso del cristal 55.4 PVB=11.52 mm
 -

- Characterized for its minimal design and modern aesthetics.
- Its uniqueness lies on the fact that 80% of its construction is manufactured in factory and only 20% in the project.
- Speed and ease in construction and placement.
- Construction of independent modules (panels).
- Spitted top rail which connects independent frames.
- Column width 12 mm.
- Maximum width between columns 1300 mm.
- Wide range of profile combinations.
- All components are made of aluminum profile.
- Profile of rectangular and oval cross intersection.
- Maximum glass thickness 55.4PVB= 11.52 mm

Personalización de numerosas opciones con el mínimo detalle.

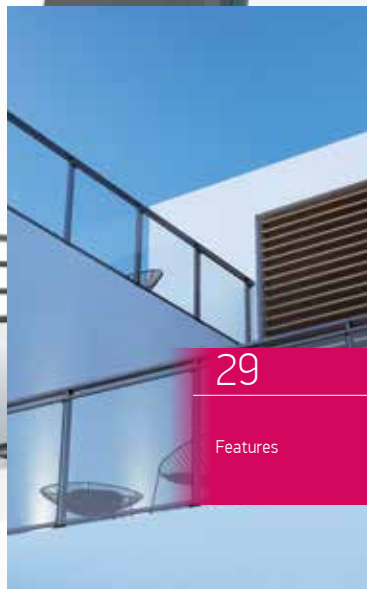
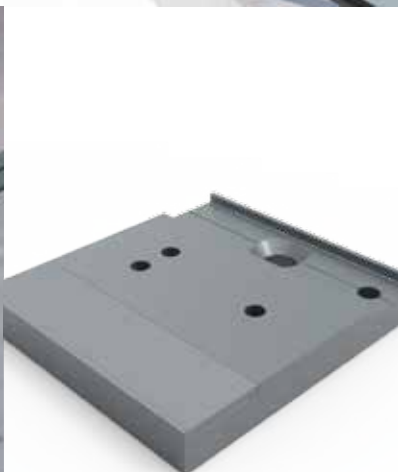
Numerous personalized options offer complete satisfaction down to the last detail.



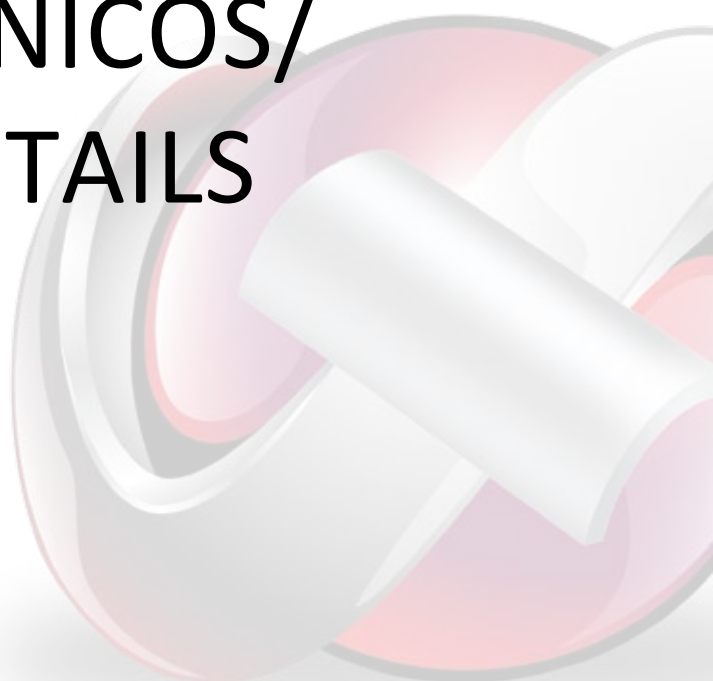
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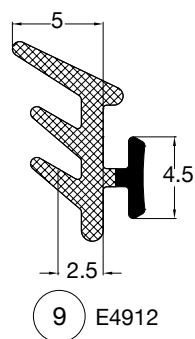




DETALLES TÉCNICOS/ TECHNICAL DETAILS



POSTE ESQUINA CORNER POST

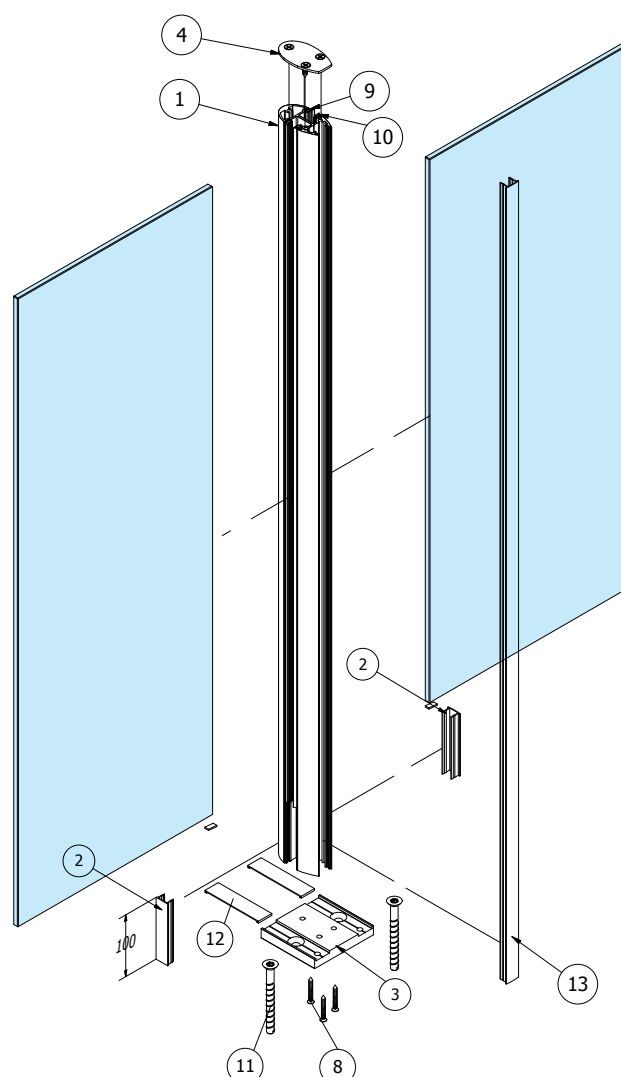
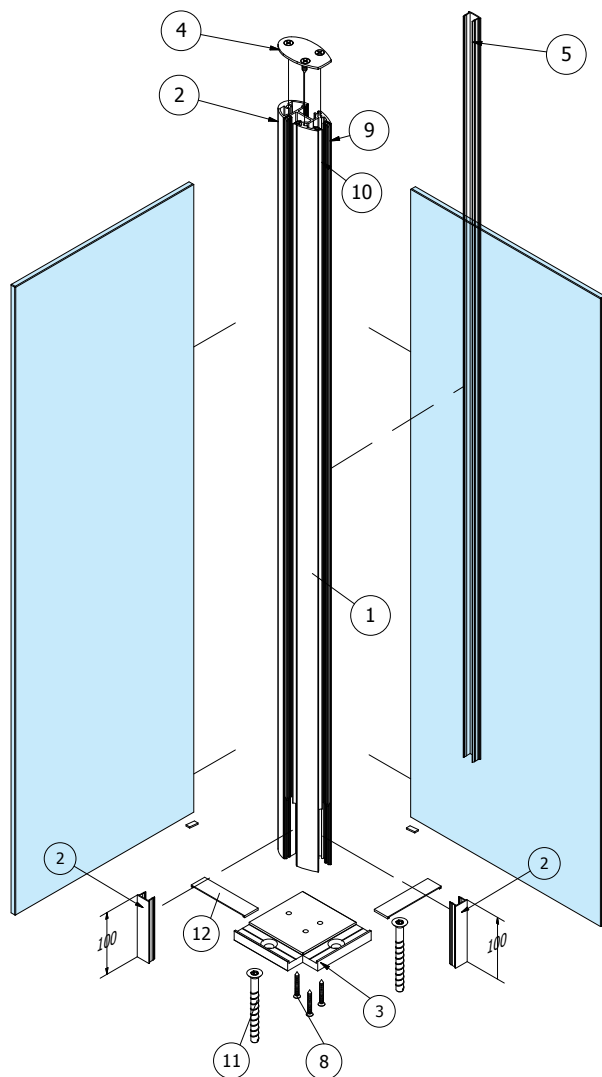


9 E4912



10 US530-2/3/4 PRM

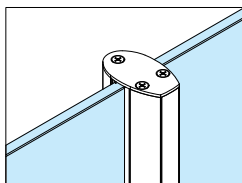
POSTE CENTRAL MAIN POST



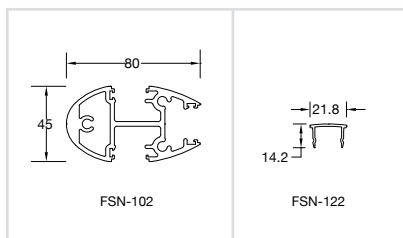
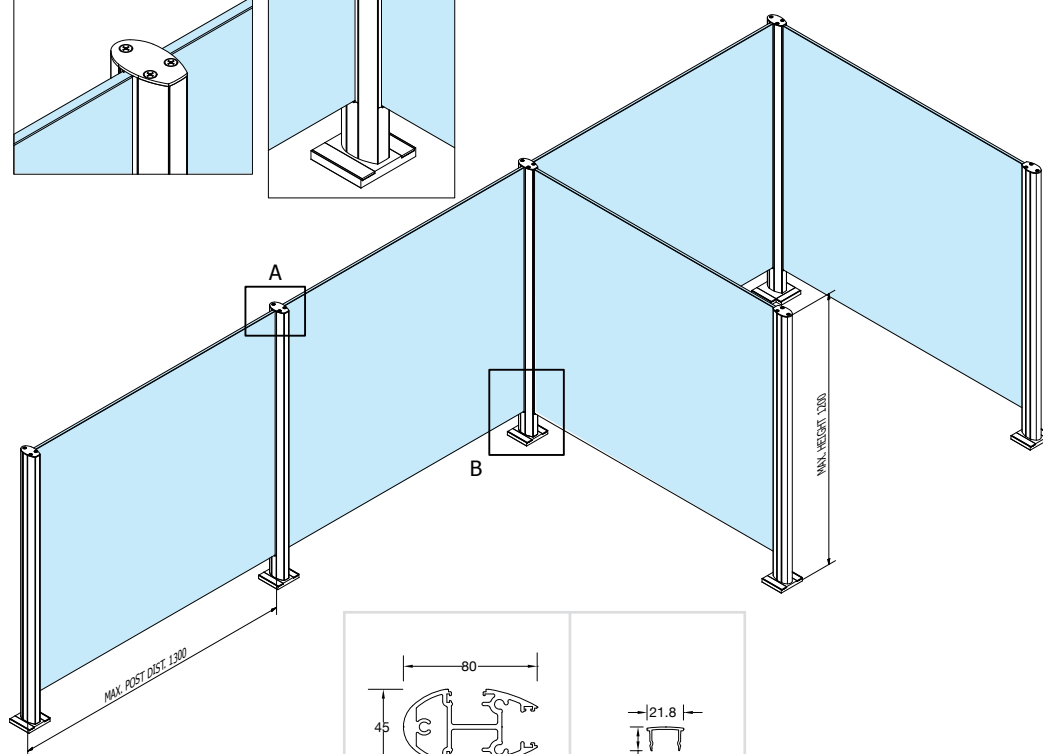
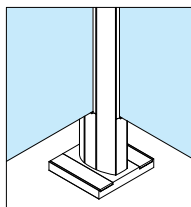
LISTA DE MATERIALES/PARTS LIST			
ITEM	QTY	CÓDIGO PART NUMBER	DESCRIPCIÓN/DESCRIPTION/
1	1	FSN-102	COLUMNA ORBIT 1 / ORBIT1 POST
2	2	FSN-122 (100 mm)	SEPARADOR DE VIDRIO GLASS STAND-OFF
5	1	FSN-122	TAPA LATERAL DE COLUMNA POST SIDE CAP
3	1	4716 (Pair)	PIE BASE/ORBIT 1 FOOTPLATE
4	1	4924	TAPA SUPERIOR/ORBIT1 TOP COVER
8	3	DIN7982-6.3X50	TORNILLOS DEL PIE FOOTPLATE SCREWS
9	2	E4912	GOMAS/GASKET
10	2	US530-1/2/3/4 PRM	JUNTA DE ACRISTALAMIENTO GLAZING GASKET
11	2	EBM-10120G/2	TORNILLO FISCHER PARA HORMIGÓN FISCHER CONCRETE SCREW
12	2	4710	TAPA DEL REPOSAPIÉS FOOTPLATE COVER

PARTS LIST/LISTA DE MATERIALES			
PROD ITEM	CANTID QTY	CÓDIGO PART NUMBER	DESCRIPCIÓN/DESCRIPTION
1	1	FSN-102	COLUMNA ORBIT 1 / ORBIT1 POST
2	2	FSN-122 (100 mm)	SEPARADOR DE VIDRIO GLASS STAND-OFF
3	1	4713	PIE ORBIT1 / ORBIT1 FOOTPLATE
4	1	4924	TAPA SUPERIOR/ORBIT1 TOP COVER
8	3	DIN7982-6.3X50	TORNILLOS DEL PIE/ FOOTPLATE SCREWS
9	2	E4912	GOMAS/GASKET
10	2	US530-1/2/3/4 PRM	JUNTA DE ACRISTALAMIENTO GLAZING GASKET
11	2	EBM-10120G/2	TORNILLO FISCHER PARA HORMIGÓN FISCHER CONCRETE SCREW
12	2	E4710	TORNILLO ESPECIAL CEMENTO FOOTPLATE COVER
13	1	FSN-122	TAPA LATERAL DE COLUMNA/ POST SIDE CAP

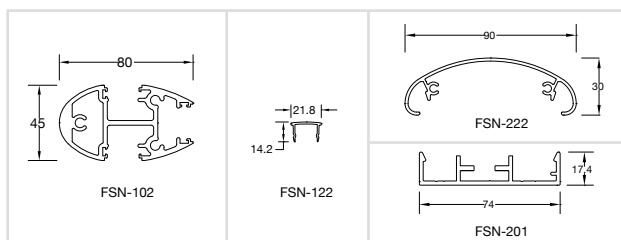
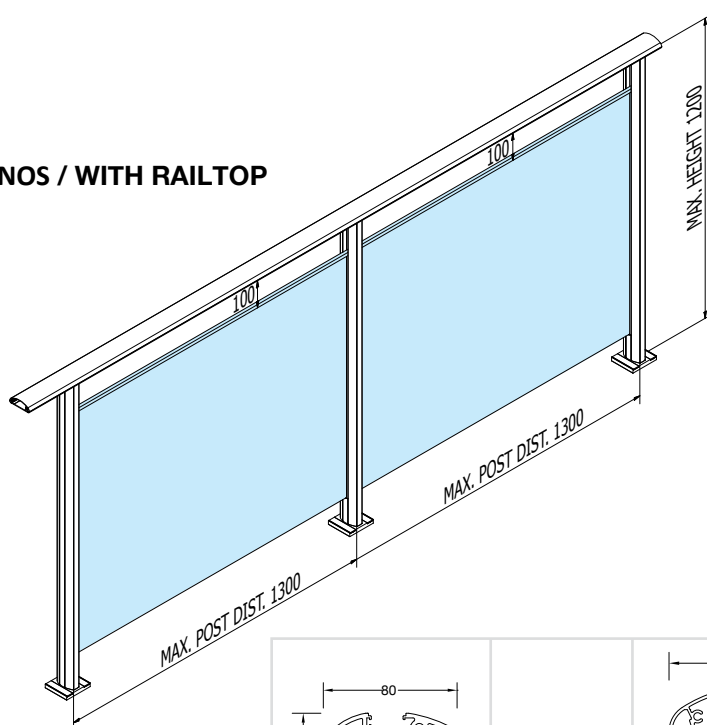
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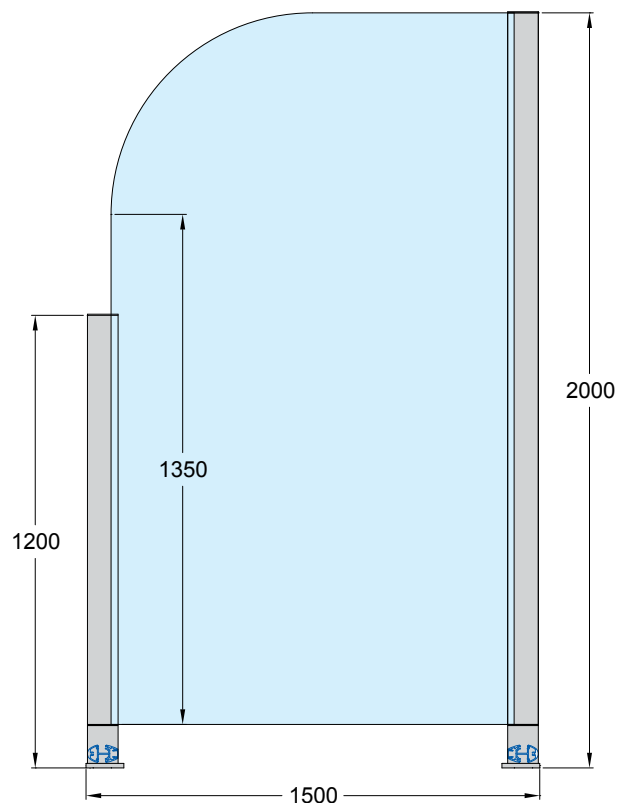
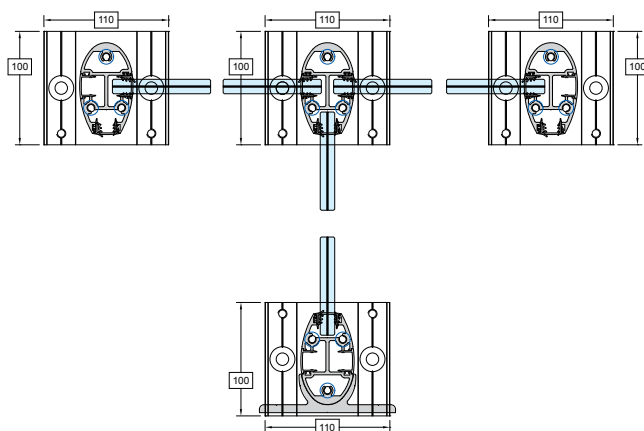
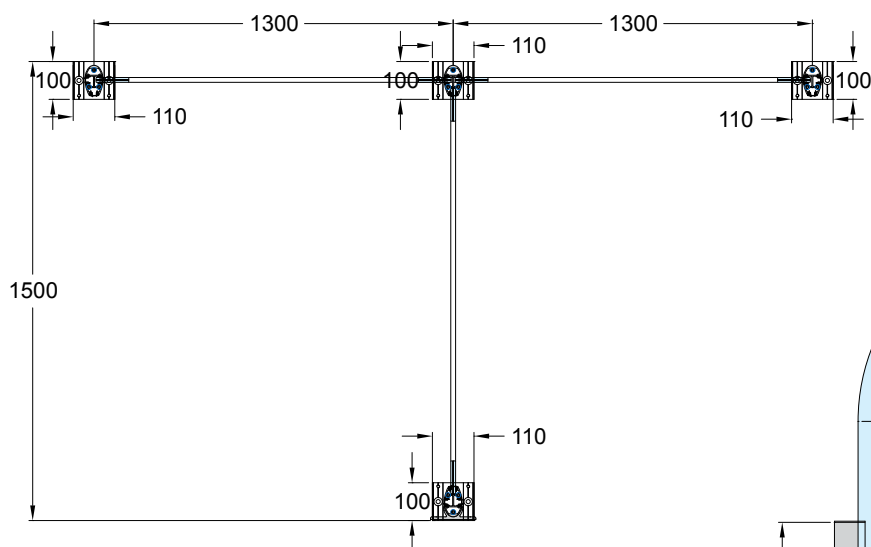
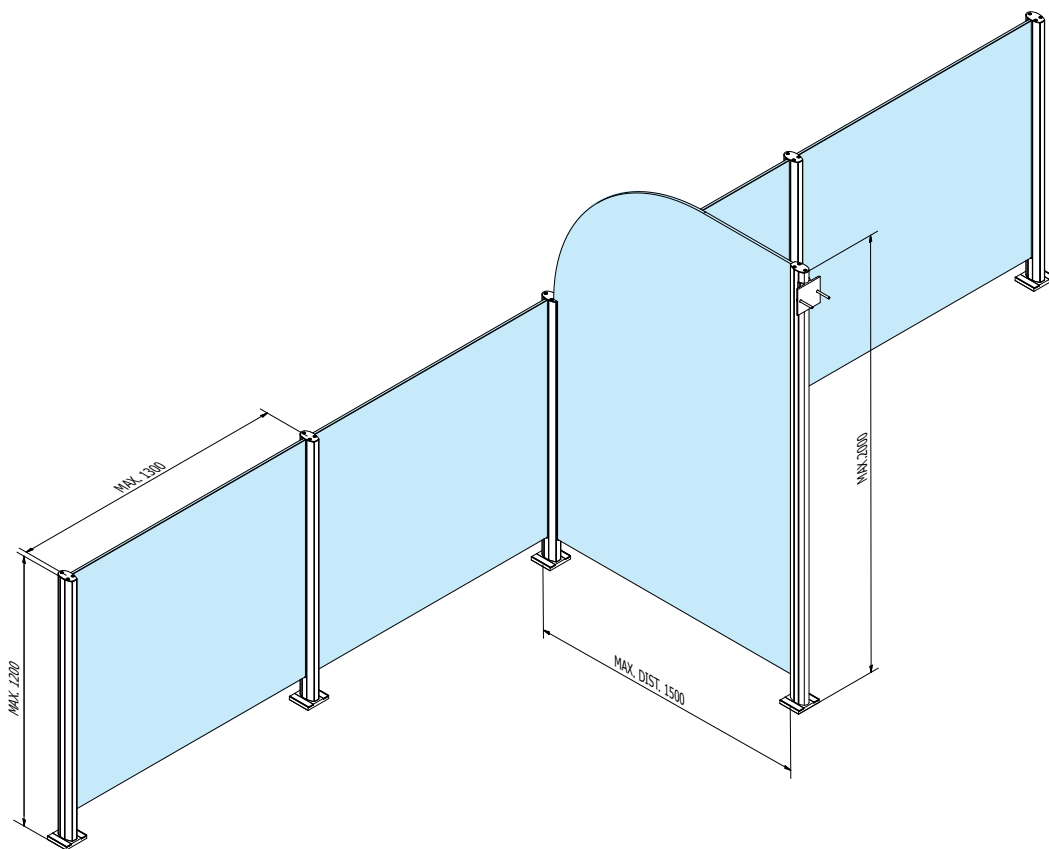
VISTA DE DETALLES-B



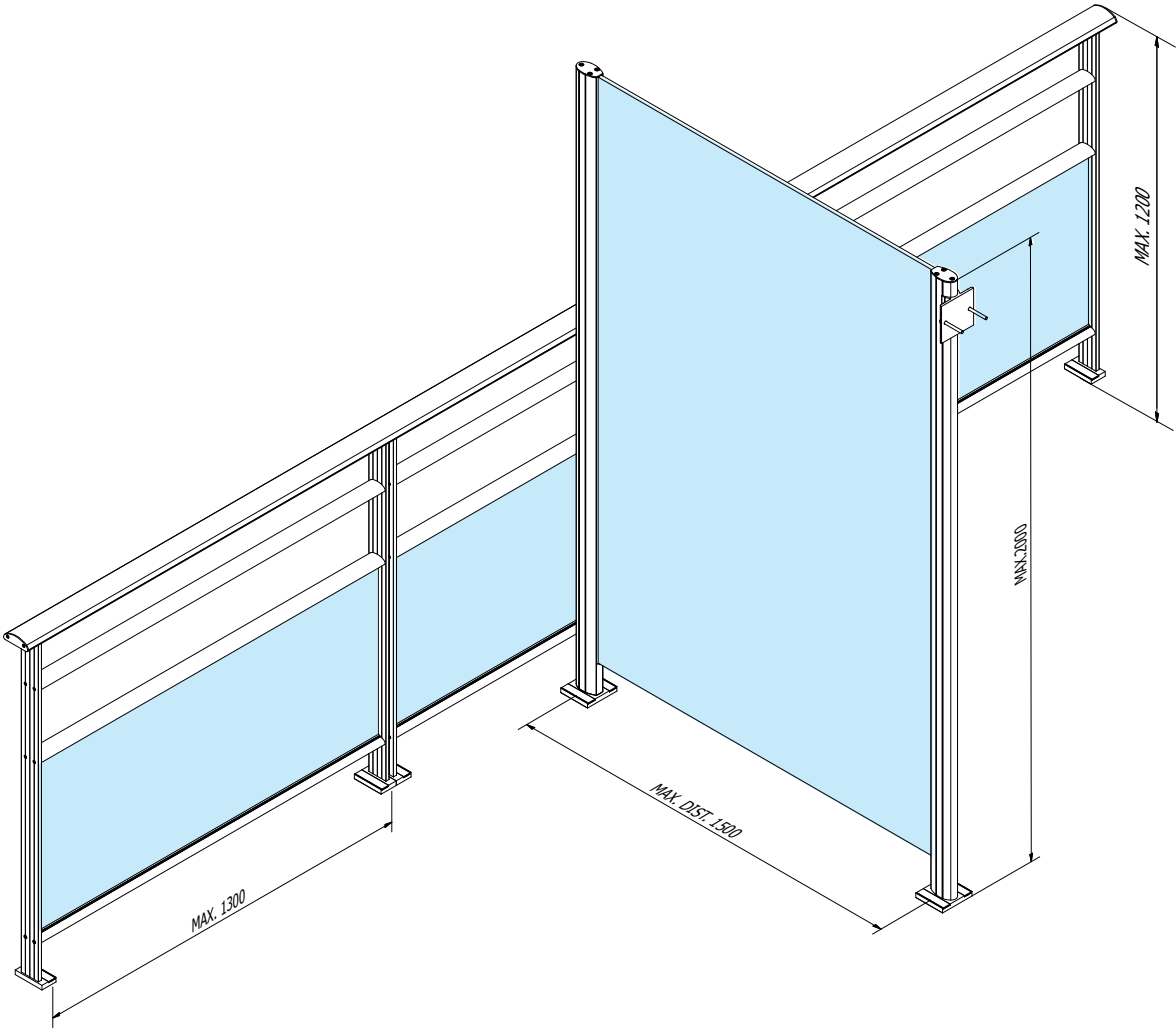
CON PASAMANOS / WITH RAILTOP



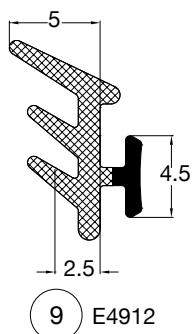
TIPO ORBIT 1: TIPOS DE MAMPARAS PARA DIVISION EN UN HOTEL
TYPICAL ORBIT 1 RAIL TYPE FOR HOTEL PARTITIONS



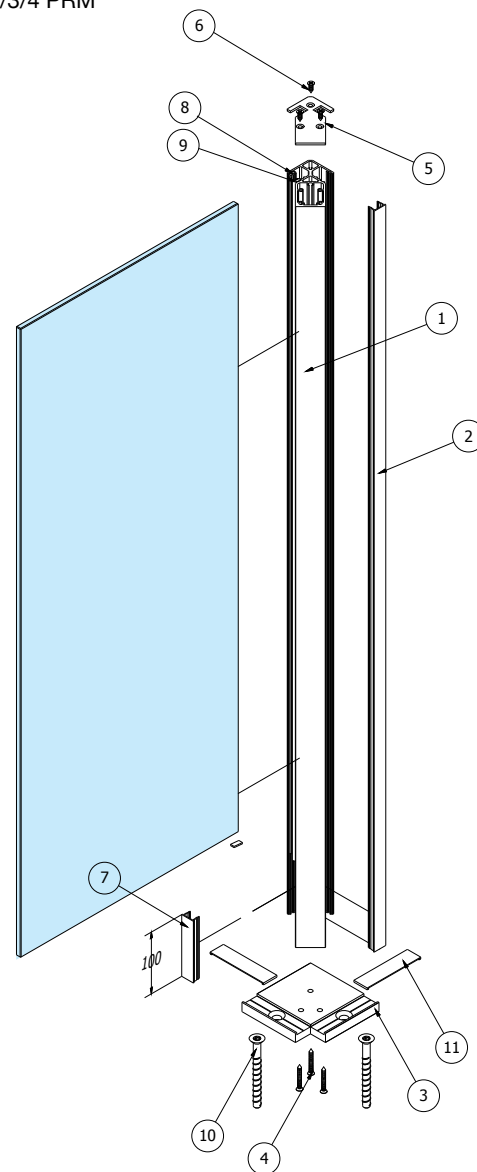
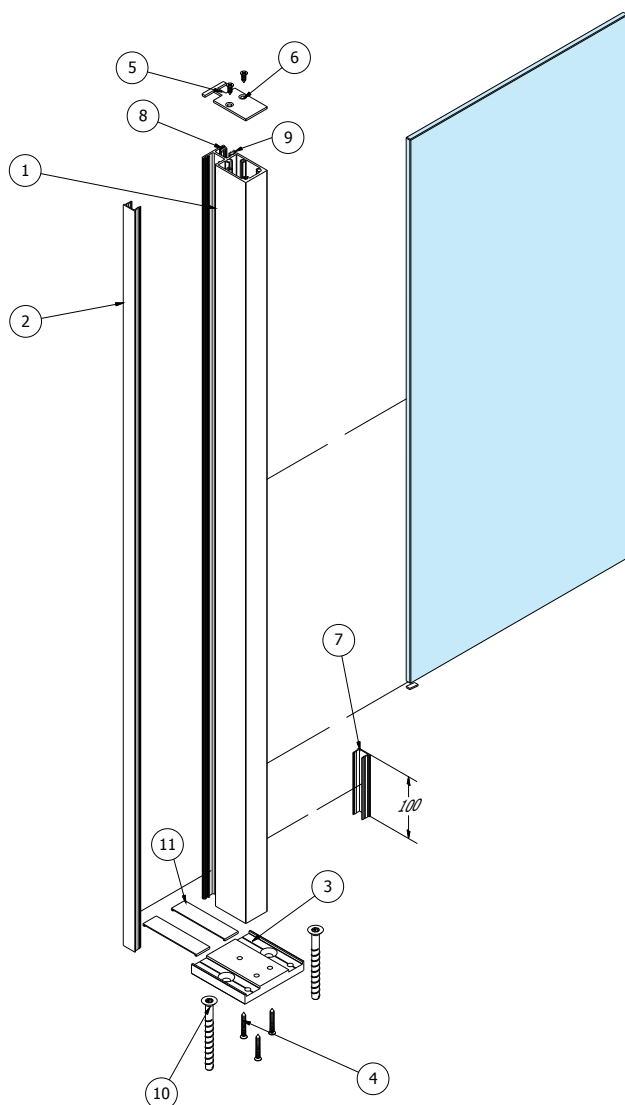
TIPO ORBIT 1 Y SYNTHESIS PARA MAMPARAS DE DIVISIÓN DE UN HOTEL
TYPICAL ORBIT 1 AND SYNTHESIS FOR HOTEL PARTITIONS



POSTE CENTRAL MAIN POST

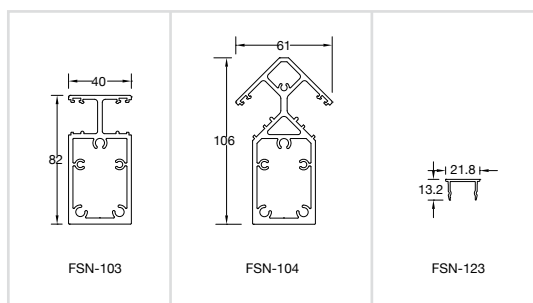
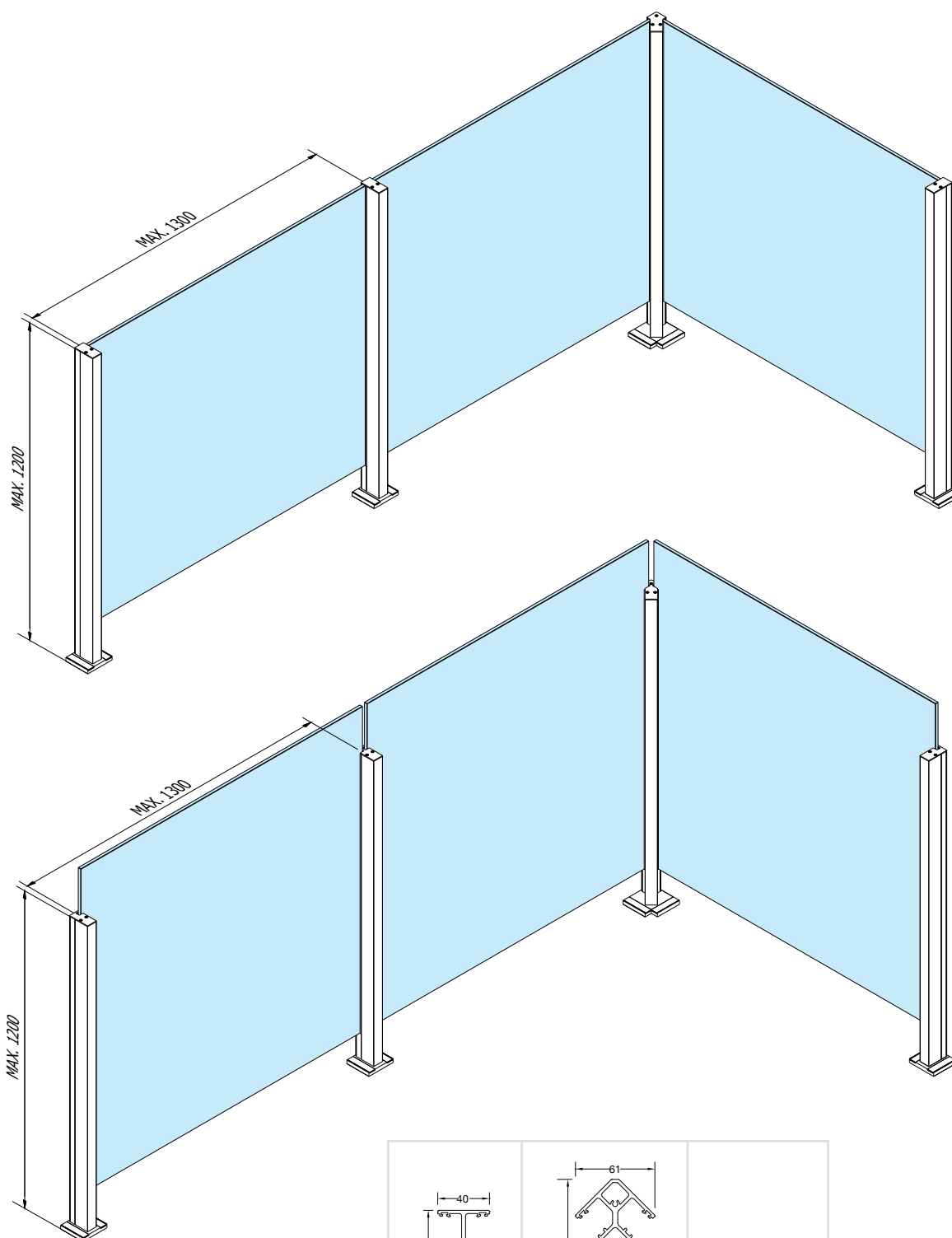


POSTE EN ESQUINA CORNER POST



LISTADO DE PRODUCTOS/ PARTS LIST			
NÚM. ITEM	CANTID. QTY	CODIGO/ PART NUMBER	DESCRIPTION /DESCRIPCION
1	1	FSN-103	COLUMNA ORBIT2 / ORBIT 2 POST
2	1	FSN-123	TAPA LATERAL DE COLUMNA POST SIDE CAP
3	1	4714	PIE BASE ORBIT2 /FOOTPLATE
4	3	DIN7982-6.3x50	PLATAFORMA CON TORNILLOS FOOTPLATE SCREWS
5	1	4933	TAPA SUPERIOR/ ORBIT2 TOP COVER
6	2	DIN7982-A2-4.2x16	TORNILLOS 4933 / 4933 SCREWS
7	1	FSN-123 (100MM)	SOPORTE DE CRISTAL GLASS STAND-OFF
8	1	E4912	GOMAS/ GASKET
9	1	US530-2/3/4 PRM	GOMAS DE CRISTAL/ GLAZING GASKET
10	2	EBM-10120G/2	TORNILLO HORMIGÓN / FISCHER CONCRETE SCREW
11	2	E4710	TAPA DEL PIE/ FOOTPLATE COVER

LISTADO DE PRODUCTOS/ PARTS LIST			
NÚM. ITEM	CANTID. QTY	CODIGO/ PART NUMBER	DESCRIPCIÓN/DESCRIPTION
1	1	FSN-104	COLUMNA ESQUINA/ CORNER POST
2	1	FSN-123	LATERAL DE COLUMNA/POST SIDE CAP
3	1	4715	PIE BASE ORBIT2 / FOOTPLATE
4	3	DIN7982-6.3x50	PLATAFORMA CON TORNILLOS FOOTPLATE SCREWS
5	1	4935	TAPA SUPERIOR ORBIT2 / TOP COVER
6	3	DIN7982-A2-4.2X16	TORNILLOS PARA 4933 / 4935 SCREWS
7	1	FSN-123 (100 mm)	SOPORTE DE CRISTAL GLASS STAND-OFF
8	1	E4912	GOMAS/ GASKET
9	1	US530-2/3/4 PRM	GOMAS DE CRISTAL/ GLAZING GASKET
10	2	EBM-10120G/2	TORNILLO HORMIGÓN FISCHER CONCRETE SCREW
11	2	E4710	TAPA DEL PIE/ FOOTPLATE COVER

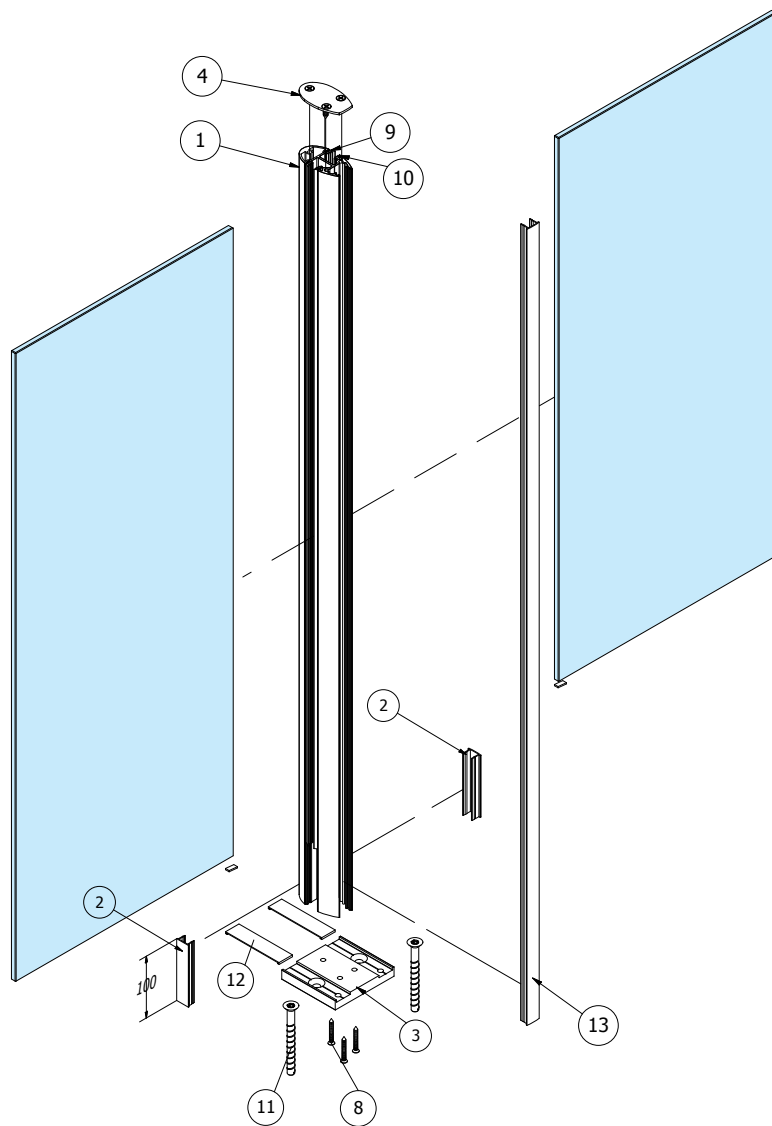


1 POSTE A 1 m

MAIN POST 1 m

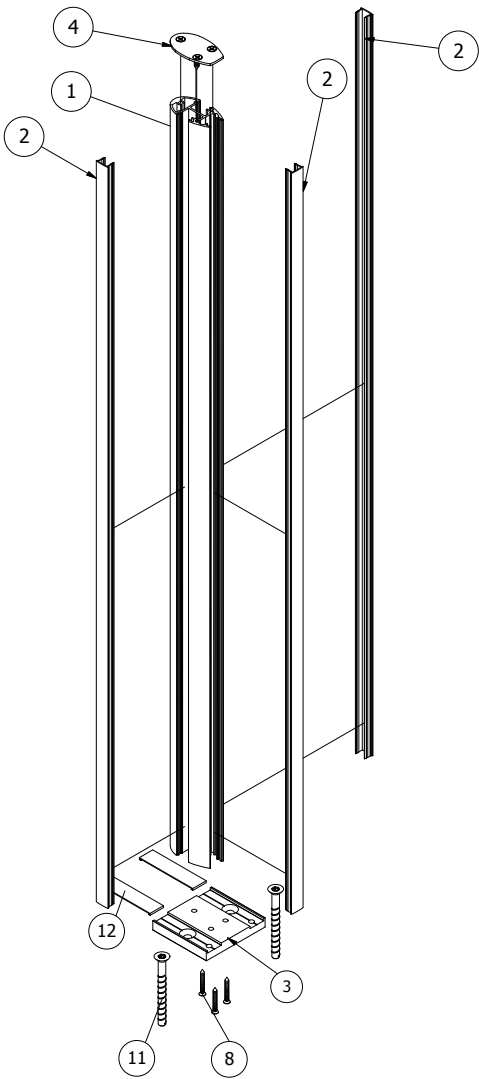
PANELES DE VIDRIO DE DOS VÍAS

TWO WAY GLASS PANES



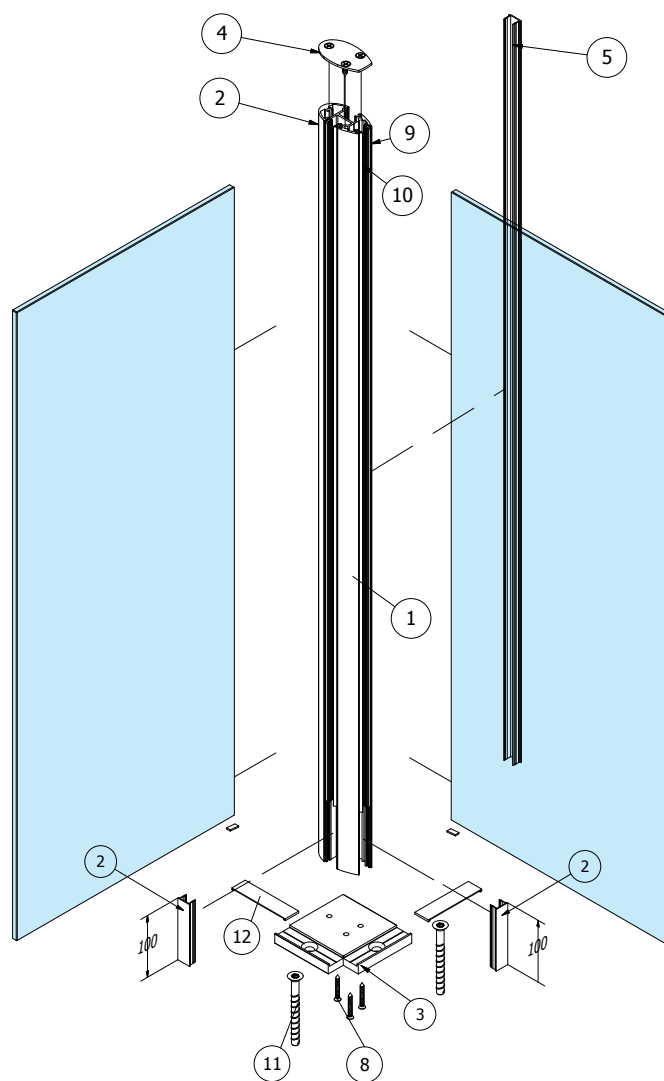
PARTS LIST/ LISTA DE MATERIALES			
ITEM	no qTY	PARTES BARAND.	DESCRIPTION/DESCRIPCIÓN
1	1	FSN-102	COLUMNA ORBIT 1/POST
2	2	FSN-122 (100MM)	SEPARADOR DE VIDRIO GLASS STAND-OFF
3	1	4713	PIE BASE ORBIT 1/ FOOTPLATE
4	1	4924	TAPA SUPERIOR/TOP COVER
8	3	DIN7982-6.3x50	PLATAFORMA CON TORNILLOS FOOTPLATE SCREWS
9	2	E4912	GOMAS/GASKET
10	2	US530-1/2/3/4 PRM	JUNTA DE ACRISTALAMIENTO GLAZING GASKET
11	2	EBM-10120G/2	TORNILLO HORMIGÓN FISCHER CONCRETE SCREW
12	2	4710	TAPA DEL PIE/ FOOTPLATE COVER
13	1	FSN-122	TAPA LATERAL COLUMNA POST SIDE CAP

SOLO POSTES/ONLY POST



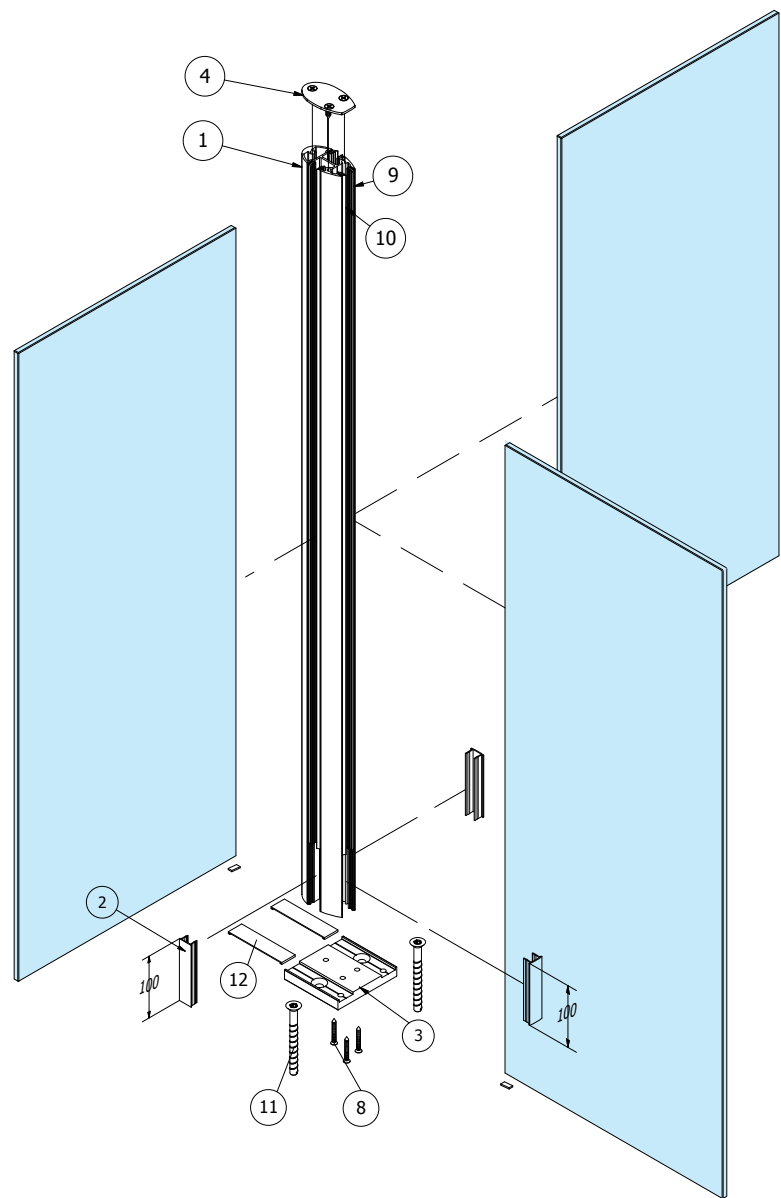
PARTS LIST/LISTA DE MATERIALES			
PRODUCANTIDA ITEM	QTY	PARTES DE BARANDILLA PART NUMBER	DESCRIPCION/DESCRIPTION
1	1	FSN-102	COLUMNA ORBIT 1/ORBIT POST
2	3	FSN-122	TAPA LATERAL COLUMNA POST SIDE CAP
3	1	4713	PIE BASE ORBIT 1/ FOOTPLATE
4	1	4924	TAPA SUPERIOR/TOP COVER
8	3	DIN7982-6.3x50	PLATAFORMA CON TORNILLOS FOOTPLATE SCREWS
11	2	EBM-10120G/2	TORNILLO HORMIGÓN FISCHER CONCRETE SCREW
12	2	4710	TAPA DEL PIE/POST SIDE CAP

POSTE EN ESQUINA / CORNER POST



LISTA DE MATERIALES / PARTS LIST			
PROD ITEM	CANTID QTY	PARTES BARANDI	DESCRIPTION / DESCRIPCION
1	1	FSN-102	COLUMNA ORBIT 1/ORBIT 1 POST
2	2	FSN-122 (100MM)	SEPARADOR DE VIDRIO/GLASS STAND-OFF
5	1	FSN-122	TAPA LATERAL DE COLUMNA/POST SIDE CAP
3	1	4716 (Pair)	PIE BASE ORBIT 1/ FOOTPLATE
4	1	4924	TAPA SUPERIOR/TOP COVER
8	3	DIN7982-6.3x50	PLATAFORMA CON TORNILLOS FOOTPLATE SCREWS
9	2	E4912	GOMAS/GASKET
10	2	US530-1/2/3/4 PRM	GOMAS CRISTAL / GLAZING GASKET
11	2	EBM-10120G/2	TORNILLO AL HORMIGON EISCHER CONCRETE SCREW
12	2	4710	TAPA DEL PIE / FOOTPLATE COVER

MAIN POST THREE WAY GLASS PANES
POSTE PRINCIPAL CRISTALES DE TRES VÍAS

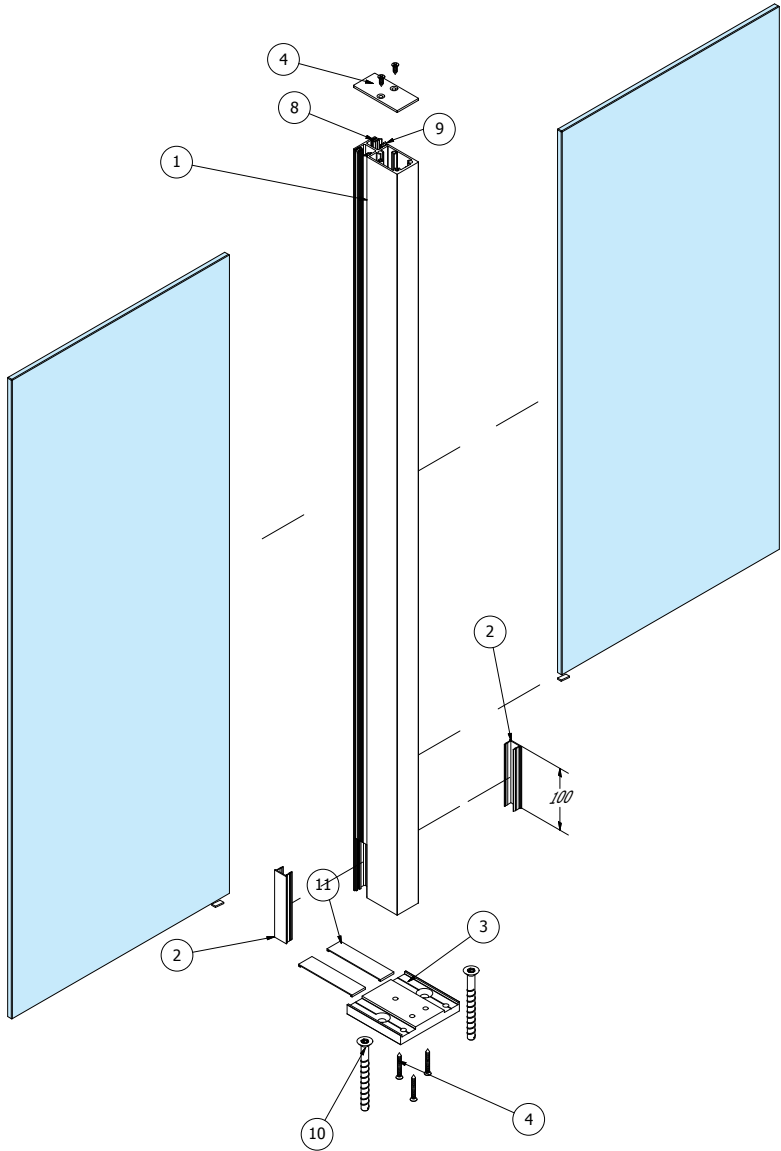


LISTA DE MATERIALES / PARTS LIST			
TEM ITEM	CANTID. QTY	PART NUMBER/ PARTES BARANDILLA	DESCRIPTION / DESCRIPCIÓN
1	1	FSN-102	COLUMNA ORBIT 1 / ORBIT 1 POST
2	2	FSN-122 (100MM)	SEPARADOR DE VIDRIO/GLASS STAND -OFF
3	1	4713	PIE BASE ORBIT1 / ORBIT1 FOOTPLATE
4	1	4924	ORBIT 1 TOP COVERTAPA SUPERIOR
8	3	DIN7982-6.3x50	FOOTPLATE SCREWS/PLAT. CON TORNILLO
9	2	E4912	GOMAS/GASKET
10	2	US530-1/2/3/4 PRM	GLAZING GASKET/GOMAS
11	2	EBM-10120G/2	FISHER CONCRETE SCREW/
12	2	4710	TORNILLO ESPECIAL PARA CEMENTO

MAIN POST 1 m TWO WAY

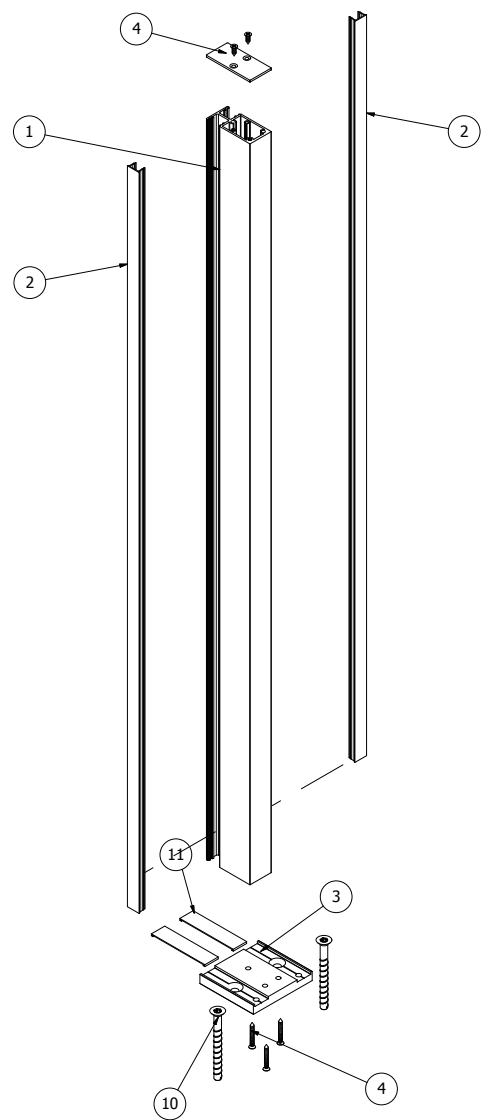
GLASS PANES/2 PANELES DE

CRISTAL



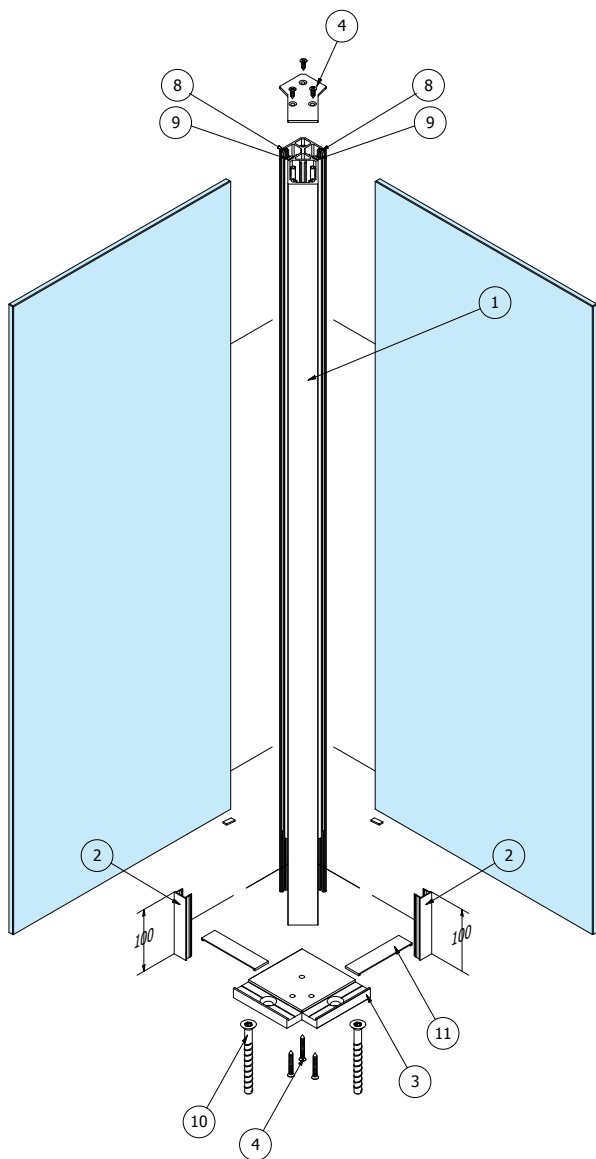
LISTA DE MATERIALES / PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION /DESCRIPCION
1	1	FSN-103	POSTE ORBIT 2/
2	2	FSN-123 (100MM)	POSTE LATERAL DE COLUMNA
3	1	4714	PIE BASE ORBIT 2/FOOTPLATE
4	1	4930	TAPA SUPERIOR ORBIT 2
8	2	E4912	GASKET/GOMAS
9	2	US530-1/2/3/4 PRM	GOMAS CRISTAL/GLAZING GASKET
10	2	EBM-10120G/2	CUBIERTA DE PLTAFORMA
11	2	4710	TOR. PARA HORMIGON

ONLY POST/SÓLO UN POSTE



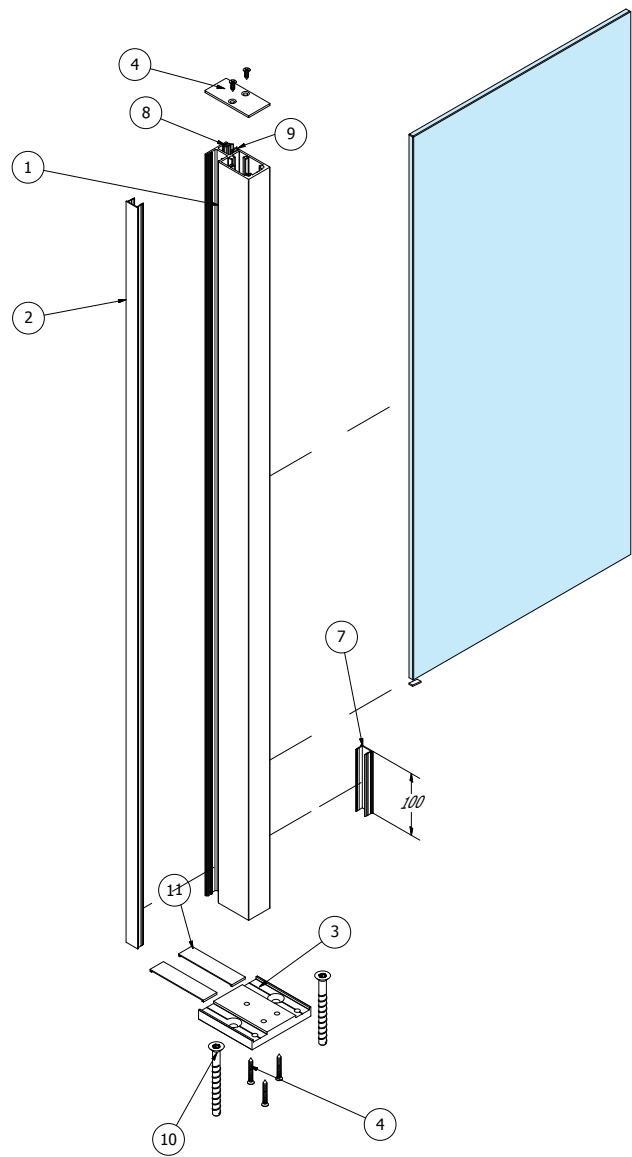
LISTA DE MATERIALES/ PARTS LIST			
PRO ITEM	CANTI. QTY	PART NUMBER	DESCRIPTION /DESCRIPCION
1	1	FSN-103	POSTE ORBIT 2/ ORBIT 2 POST
2	2	FSN-123	POST SIDE CAP /TAPA LATERAL DE COLUMNA
3	1	4714	PIE BASE ORBIT 2/FOOTPLATE
4	1	4930	TAPA SUPERIOR/ ORBIT 2
10	2	EBM-10120G/2	TORNILLO PARA HORMIGON
11	2	4710	PLATAFORMA PARA CUBRIR

POSTE EN ESQUINA/ CORNER POST



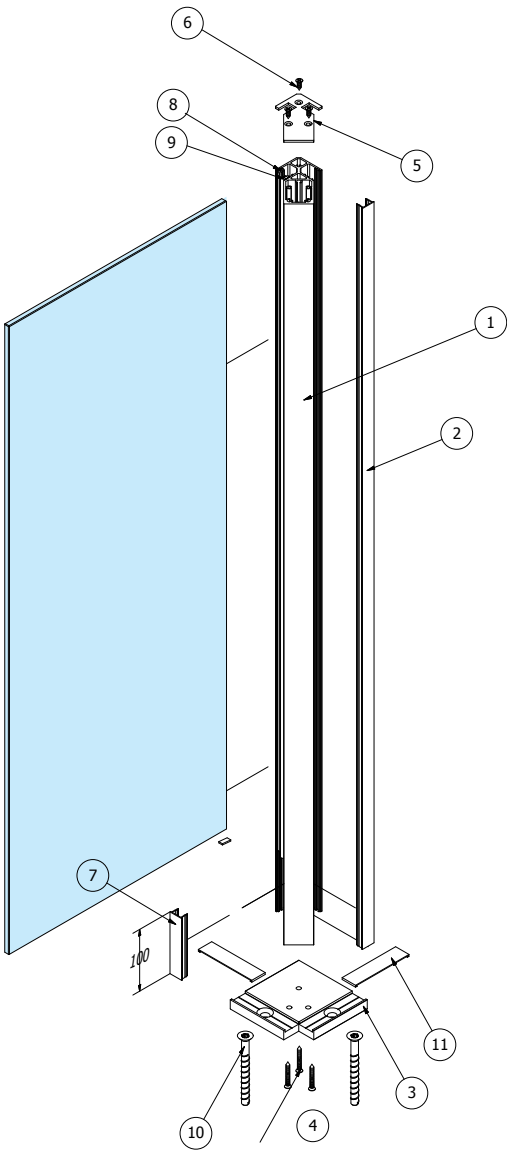
PART LIST/LISTA DE MATERIALES			
ITEM	QTY	PART NUMBER	DESCRIPTION/DESCRIPCIÓN
1	1	FSN-104	COLUMNA ESQUINA/CORNER POST
2	2	FSN-123 (100MM)	GRISTAL/STAND-OFF
3	1	4715	ORBIT 2 PIE BASE / ORBIT 2 FOOTPLATE
4	1	4934	TORNILLOS
8	2	E4912	GOMAS/GASKET
9	2	US530-1/2/3/4 PRM	GLASZING GASKET/GOMA CRISTAL
10	2	EBM-10120G/2	TORNILLO DE HORMIGON/ FISCHER CONCRETE SCREW
11	2	4710	PLATAFORMA PAR CUBRIR/ FOOTPLATE COVER

POSTE EN EL MEDIO/ MAIN POST



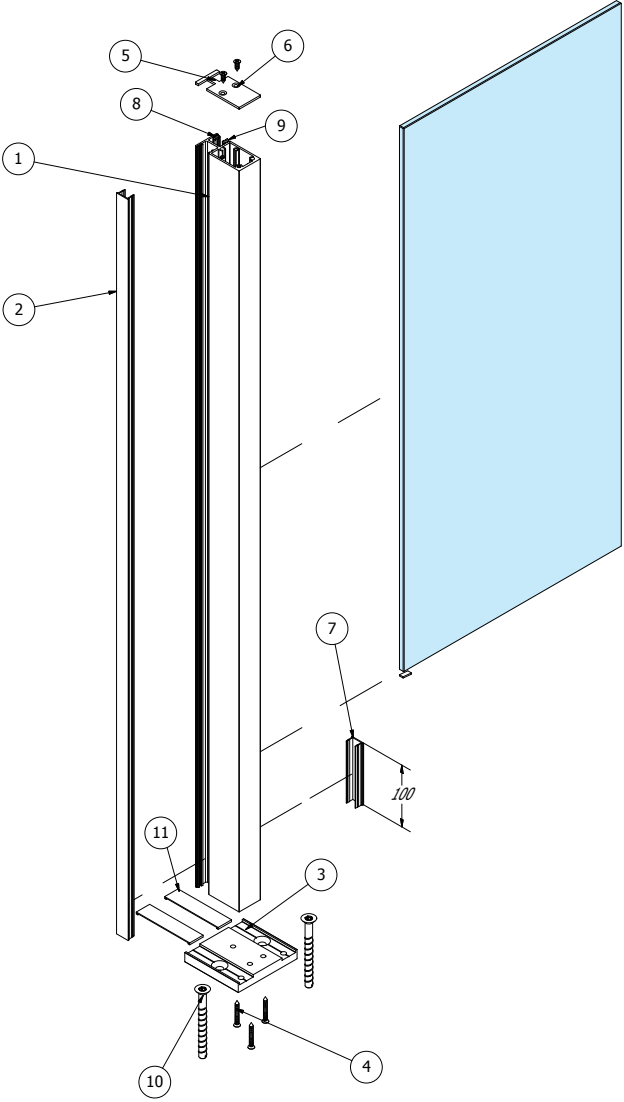
PART LIST/LISTA DE MATERIALES			
TEM ITEM	QTY	PART NUMBER	DESCRIPTION/DESCRIPCION
1	1	FSN-103	COLUMN ORBIT 2/ORBIT POST
2	2	FSN-123	TAPA LATERAL DE COLUMNA
3	1	4714	PIE BASE ORBIT 2
4	1	4930	TAPA SUPERIOR ORBIT 2
8	2	E4912	GOMAS/GASKET
9	2	US530-1/2/3/4 PRM	GOMAS PARA CRISTAL
10	2	EBM-10120G/2	TORN. ESPECIAL PARA HORMIGON
11	2	4710	PLATAFORMA PARA CUBRIR

POSTE EN ESQUINA/
CORNER POST



LISTA DE MATERIALES / PARTS LIST			
PROD ITEM	CANTI/TA QTY	PARTES DE BARANDILLA	DESCRIPTION/DESCRIPCION
1	1	FSN-104	COLUMNA ESQUINA
2	1	FSN-123	TAPA LATERAL DE COLUMNA
3	1	4715	PIE BASE ORBIT 2
4	3	DIN7982-6.3x50	PLATAFORMA CON TORNILLOS
5	1	4935	TAPA SUPERIOR TORNILLOS
6	3	DIN7982-A2-4.2x16	TORNILLO PARA COLUMNA-
7	1	FSN-123 (100MM)	TAPA LATERAL COLUMNA
8	1	E4912	GOMAS
9	1	US530-1/2/3/4 PRM	GOMAS PARA CRISTAL
10	2	EBM-10120G/2	TORNILLO PARA HORMIGON
11	2	4710	TAPA PARA BASE

POSTE EN EL MEDIO/
MAIN POST



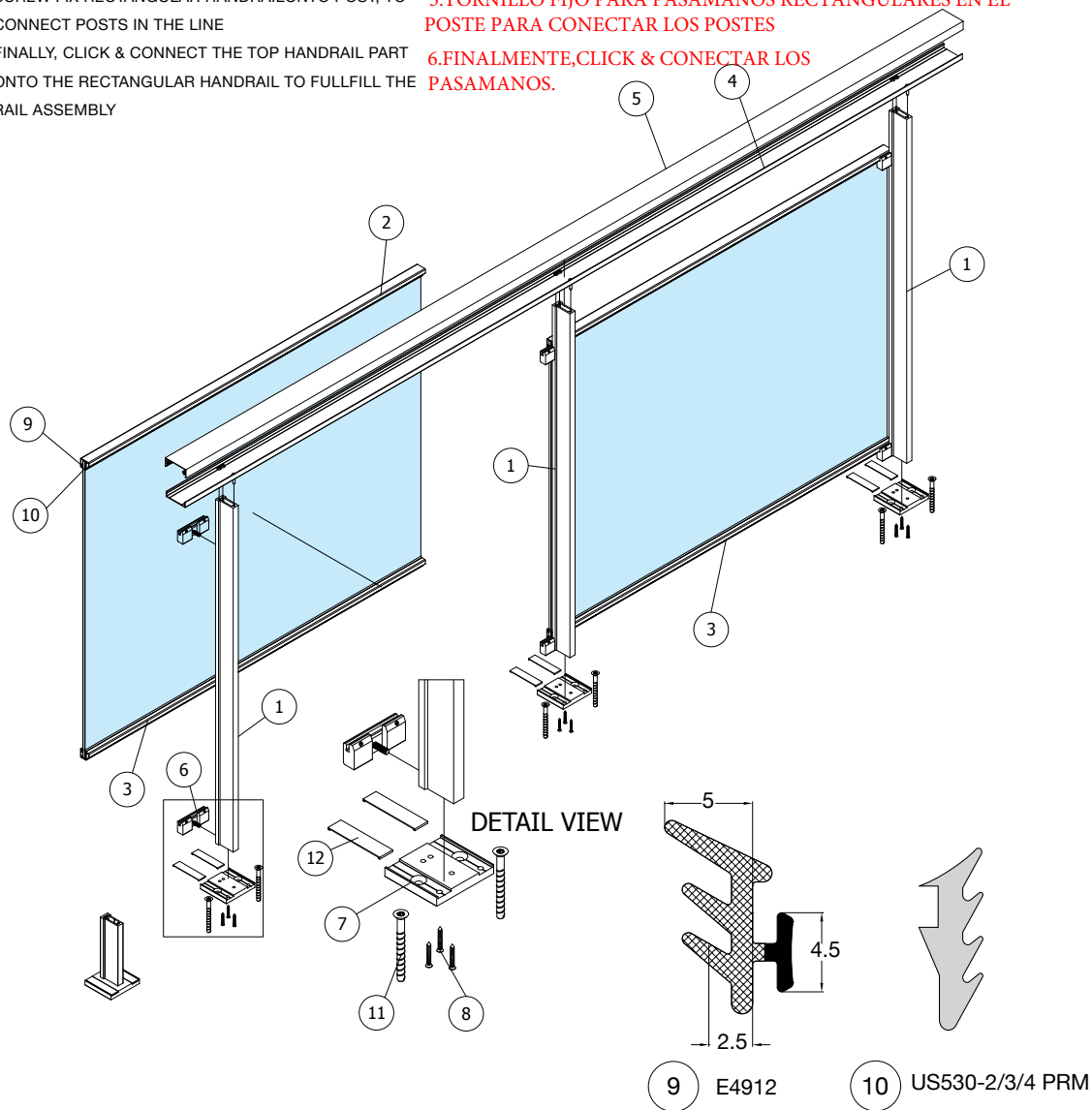
PARTS LIST/LISTA DE MATERIALES				
ITEM	QTY	PARTES BARANDILLA	DESCRIPTION/ DESCRIPCIÓN	
1	1	FSN-103	COLUMNA ORBIT 2	
2	1	FSN-123	TAPA LATERAL COLUMNA	
3	1	4714	PIE BASE ORBIT 2	
4	3	DIN7982-6.3x50	TORNILLOS	
5	1	4933	TORNILLOS	
6	2	DIN7982-A2-4.2x16	TORNILLO:DIN7982-A2-4.2X16	
7	1	FSN-123 (100MM)	TAPA LATERAL COLUMNA	
8	1	E4912	GOMAS	
9	1	US530-1/2/3/4 PRM	GOMAS PARA CRISTAL	
10	2	EBM-10120G/2	TORNILLO EBM-10120G/2	
11	2	4710	TAPA PARA BASE	

RAIL ASSEMBLY TYPICAL STEPS:

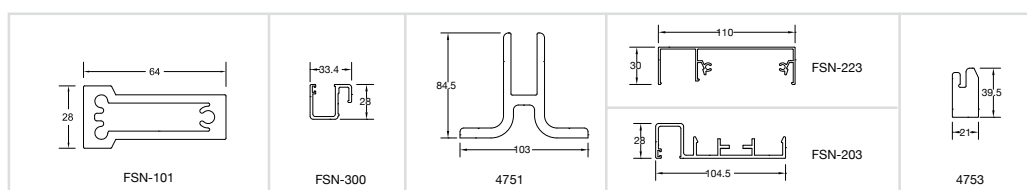
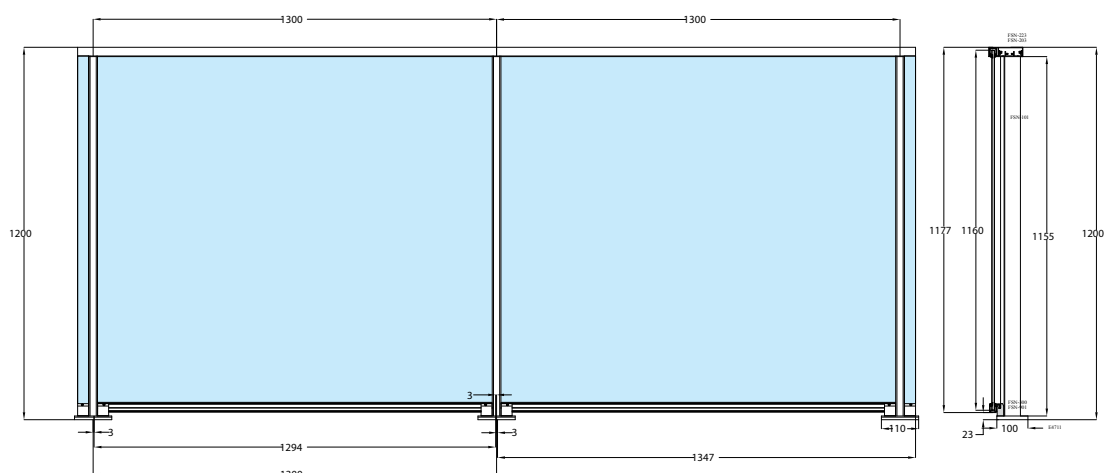
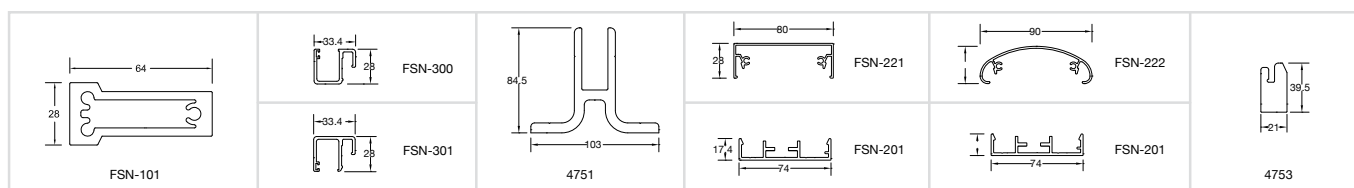
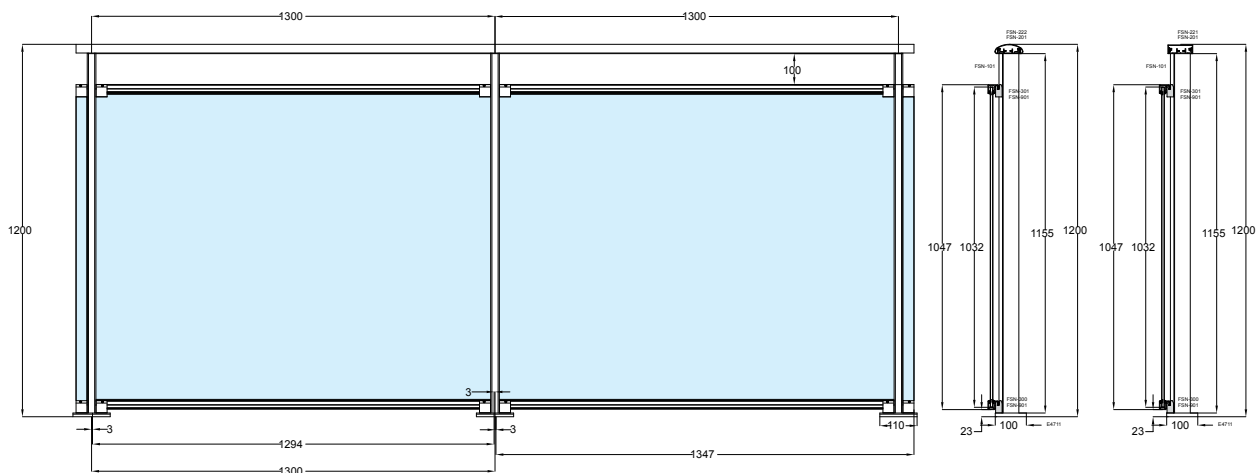
1. ASSEMBLE POST & FOOTPLATE
2. FIX ASSEMBLED POST ONTO THE GROUND
3. SCREW GLASS HOLDER (DETAIL F) ONTO POST ON THE UPPER PART & LOWER PART OF THE POST
4. MOUNT ASSEMBLED GLASS PANEL ONTO POST GLASS HOLDER
5. SCREW FIX RECTANGULAR HANDRAIL ONTO POST, TO CONNECT POSTS IN THE LINE
6. FINALLY, CLICK & CONNECT THE TOP HANDRAIL PART ONTO THE RECTANGULAR HANDRAIL TO FULLFILL THE RAIL ASSEMBLY

MONTAJE PASO A PASO:

- 1.MONTAJE DEL POSTER & PLATAFORMA
- 2.MONSTAJE DEL POSTE FIJO SOBRE EL SUELO
- 3.SOPORTE DE VIDRIO EN L PARTE SUPER E INFERIOR DEL POSTE.
- 4.MONTAJE DEL PANEL DE VIDRIO MONTADO EN EL SOPORTE DE VIDRIO POSTE
- 5.TORNILLO FIJO PARA PASAMANOS RECTANGULARES EN EL POSTE PARA CONECTAR LOS POSTES
- 6.FINALMENTE,CLICK & CONECTAR LOS PASAMANOS.

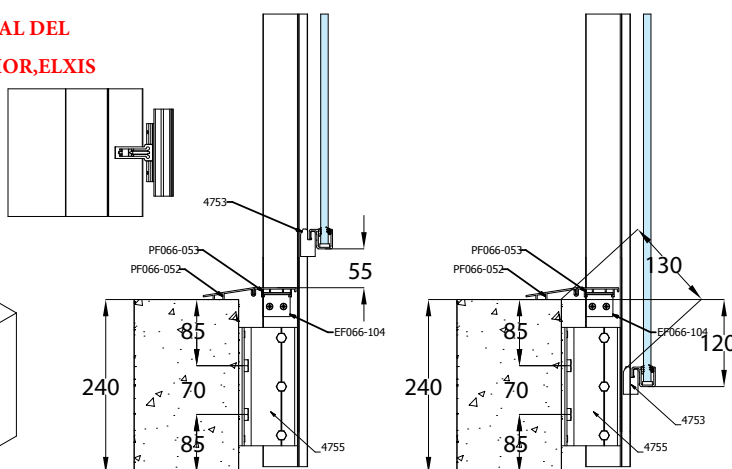
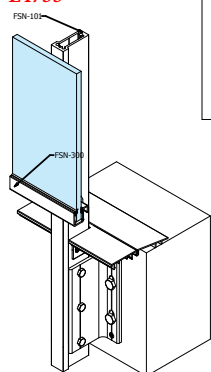
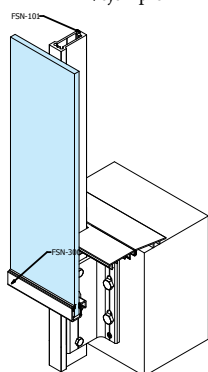


PART LIST/LISTA DE MATERIALES			
PRO ITEM	CAN QTY	PARTES BARA PART NUMBER	DESCRIPTION/DESCRIPCION
1	3	FSN-101	POSTE ELXIS
2	2	FSN-301	GUIA RAIL CRISTAL
3	2	FSN-300	GUIA RAIL CRISTAL
4	1	FSN-201	PASAMANOS BASE
5	1	FSN-221	TAPA PASAMANOS
6	6	4753	APOYO AL CRISTAL
7	3	4711	PIE BASE ELXIS
8	9	DIN7982-6.3x50	TORNILLOS
9	2	E4912	GOMAS
10	2	US530-2/3/4 PRM	GOMAS CRISTAL
11	2	EBM-10120G/2	TORNILLO EBM-10120G/2
12	2	E4710	TAPA PARA BASE



GENERAL EXAMPLE
OF EXTERNAL FIXING
FUSION ELXIS E4755-
HD/ejemplo

/EJEMPLO GENERAL DEL
TORNILLO EXTERIOR, ELXIS
E4755



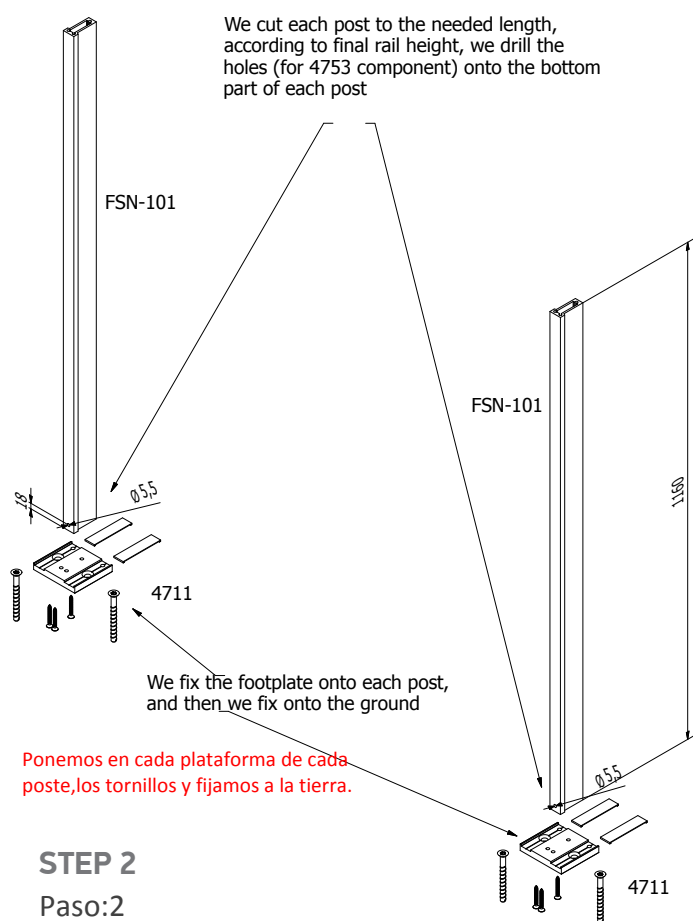
Paso:1

STEP 1

La necesidad de poner una longitud según la altura final, el agujero para el taladro 4753 hay que ponerlo en cada poste FSN-101

FSN-101

We cut each post to the needed length, according to final rail height, we drill the holes (for 4753 component) onto the bottom part of each post



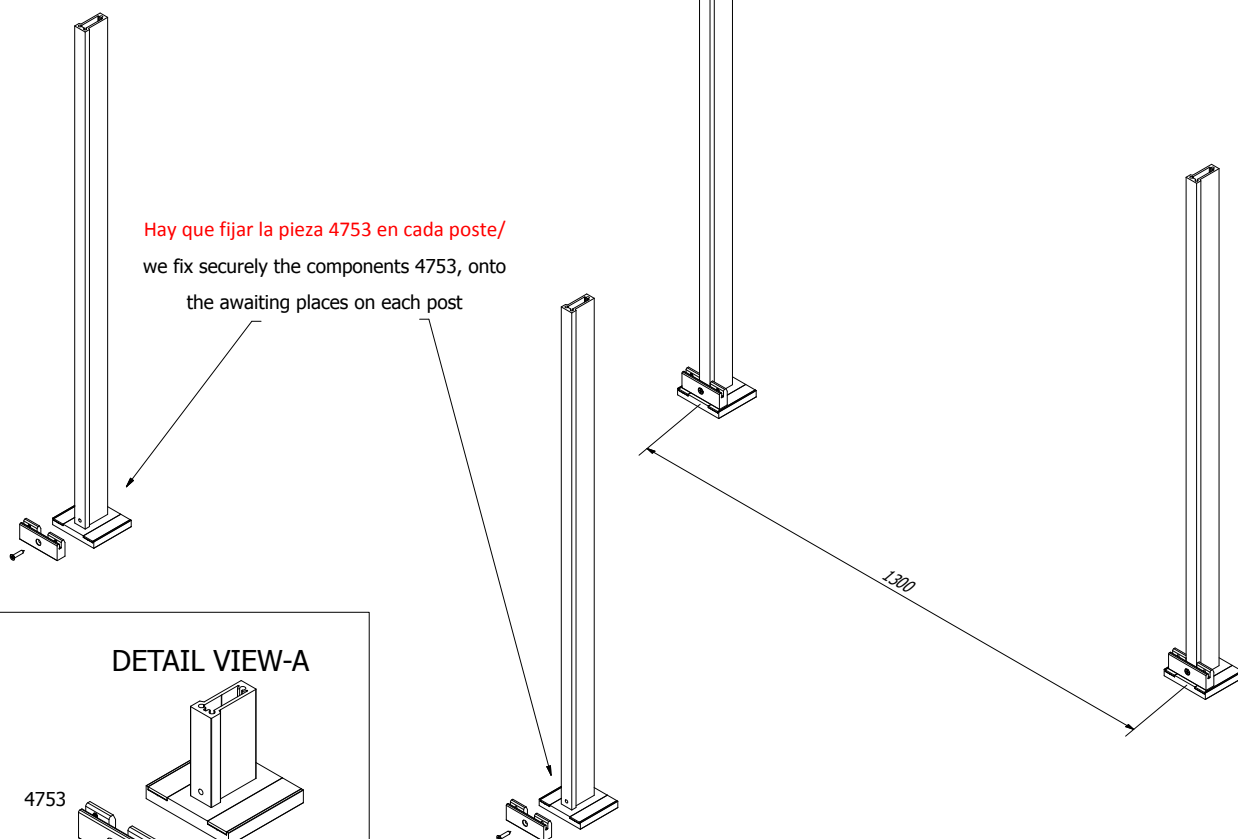
Ponemos en cada plataforma de cada poste, los tornillos y fijamos a la tierra.

STEP 2

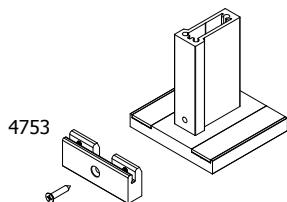
Paso:2

Hay que fijar la pieza 4753 en cada poste/

we fix securely the components 4753, onto
the awaiting places on each post



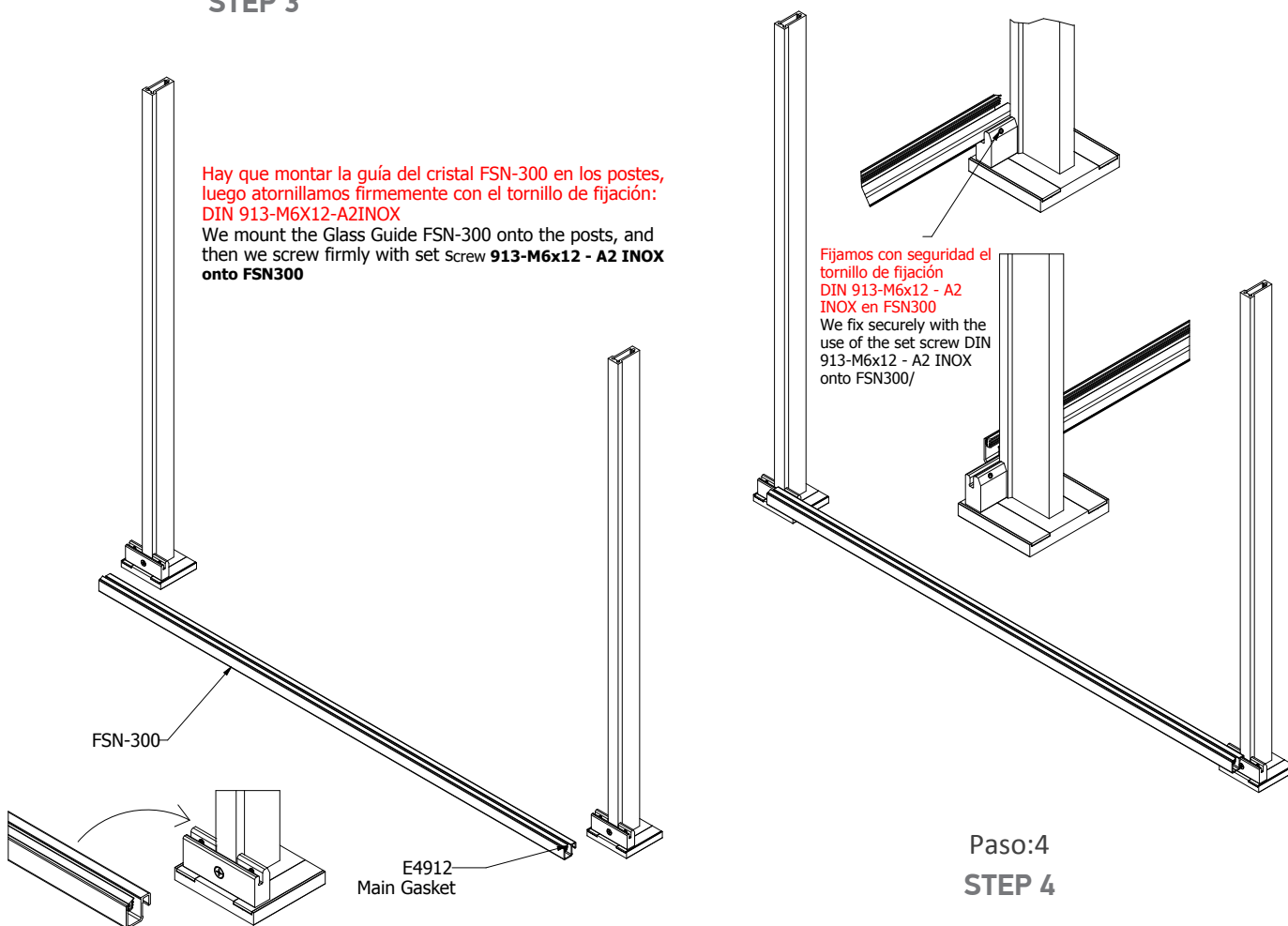
DETAIL VIEW-A



DIN7982-6,3x32 - A2 INOX

Paso:3 STEP 3

Hay que montar la guía del cristal FSN-300 en los postes, luego atornillamos firmemente con el tornillo de fijación: DIN 913-M6x12-A2INOX
We mount the Glass Guide FSN-300 onto the posts, and then we screw firmly with set screw **913-M6x12 - A2 INOX** onto **FSN300**

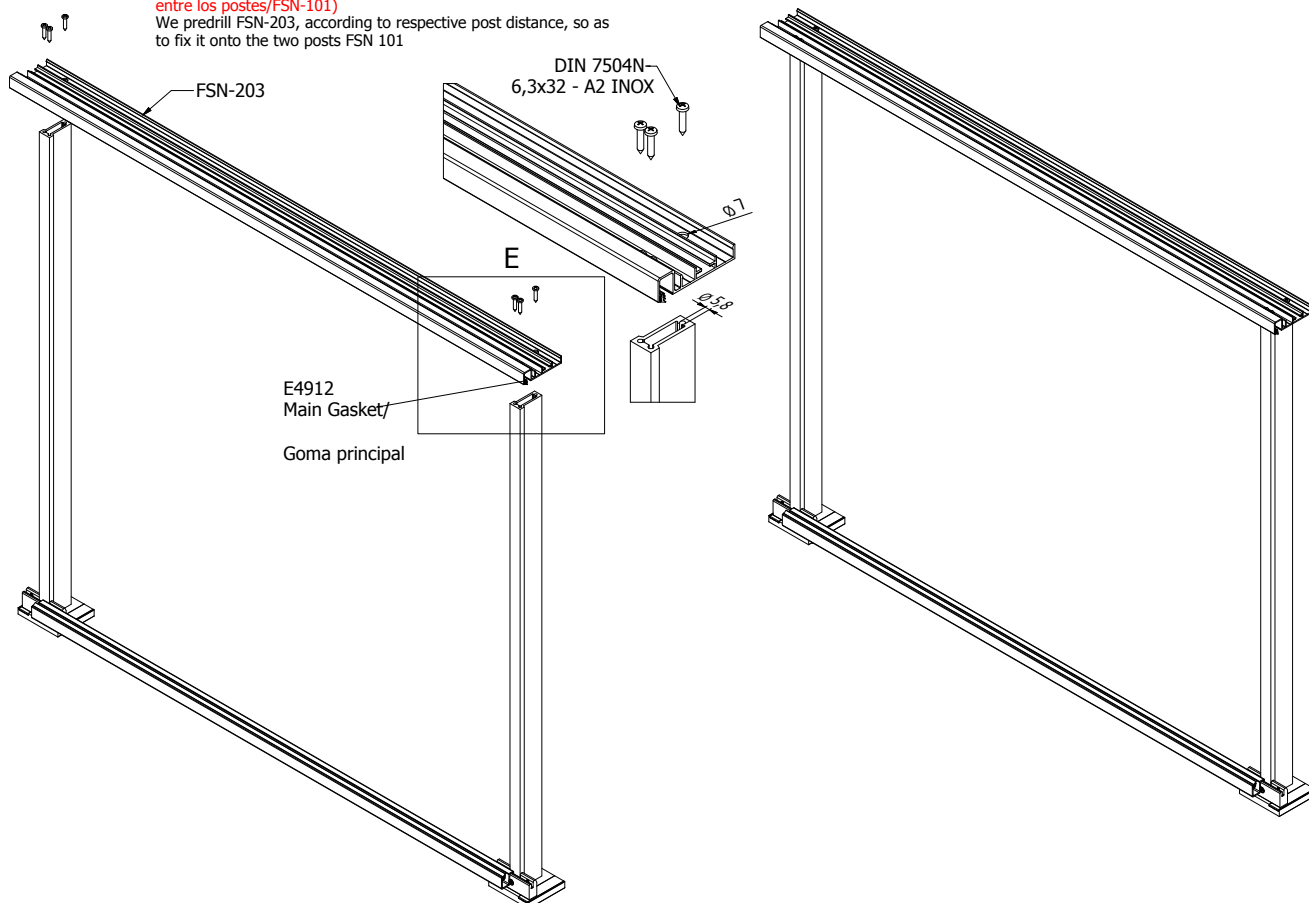


Fijamos con seguridad el tornillo de fijación DIN 913-M6x12 - A2 INOX en FSN300
We fix securely with the use of the set screw DIN 913-M6x12 - A2 INOX onto FSN300/

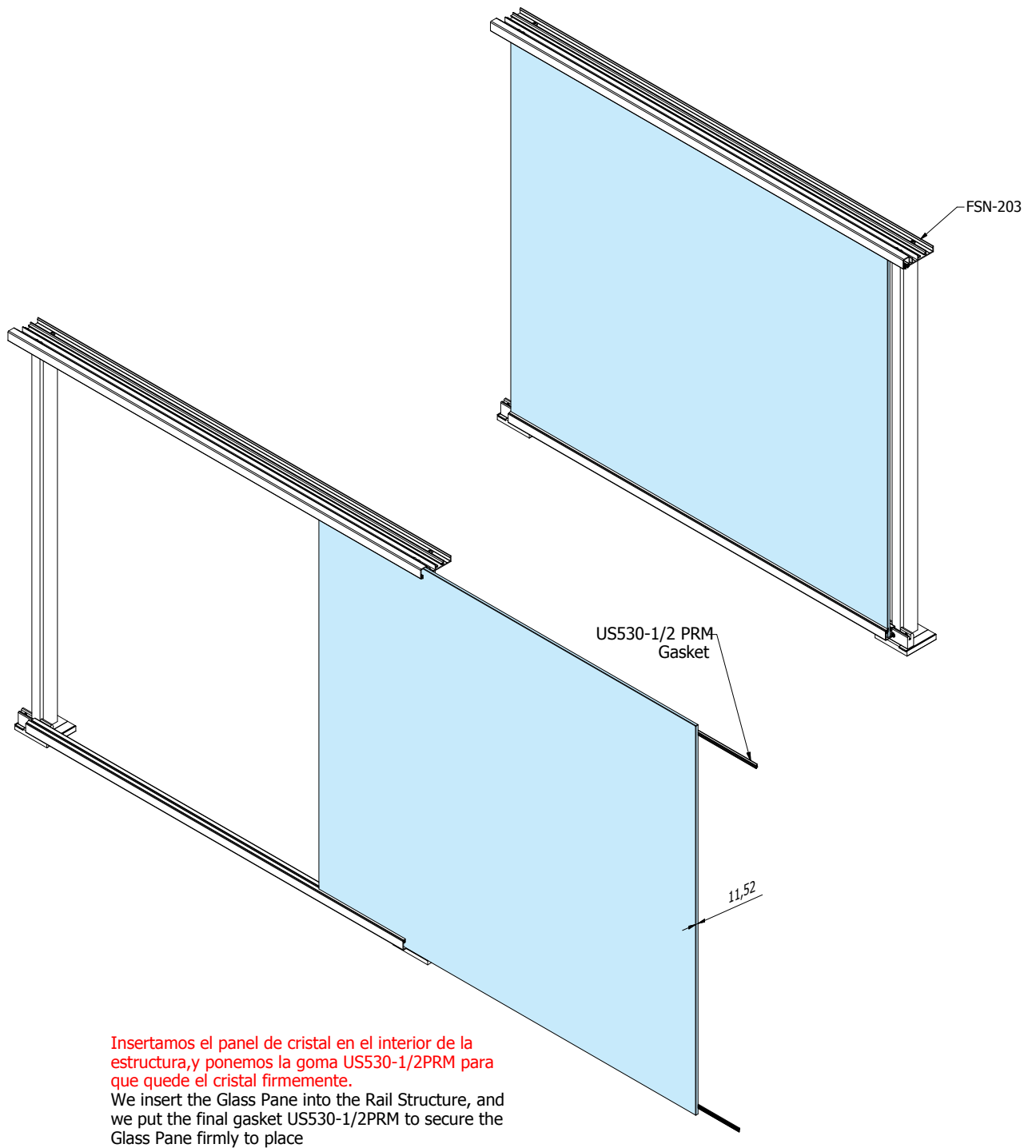
Paso:4 STEP 4

DETAIL VIEW-B

El pretaladro para el FSN-203 tiene que ir acorde a la distancia entre los postes/FSN-101
We predrill FSN-203, according to respective post distance, so as to fix it onto the two posts FSN 101



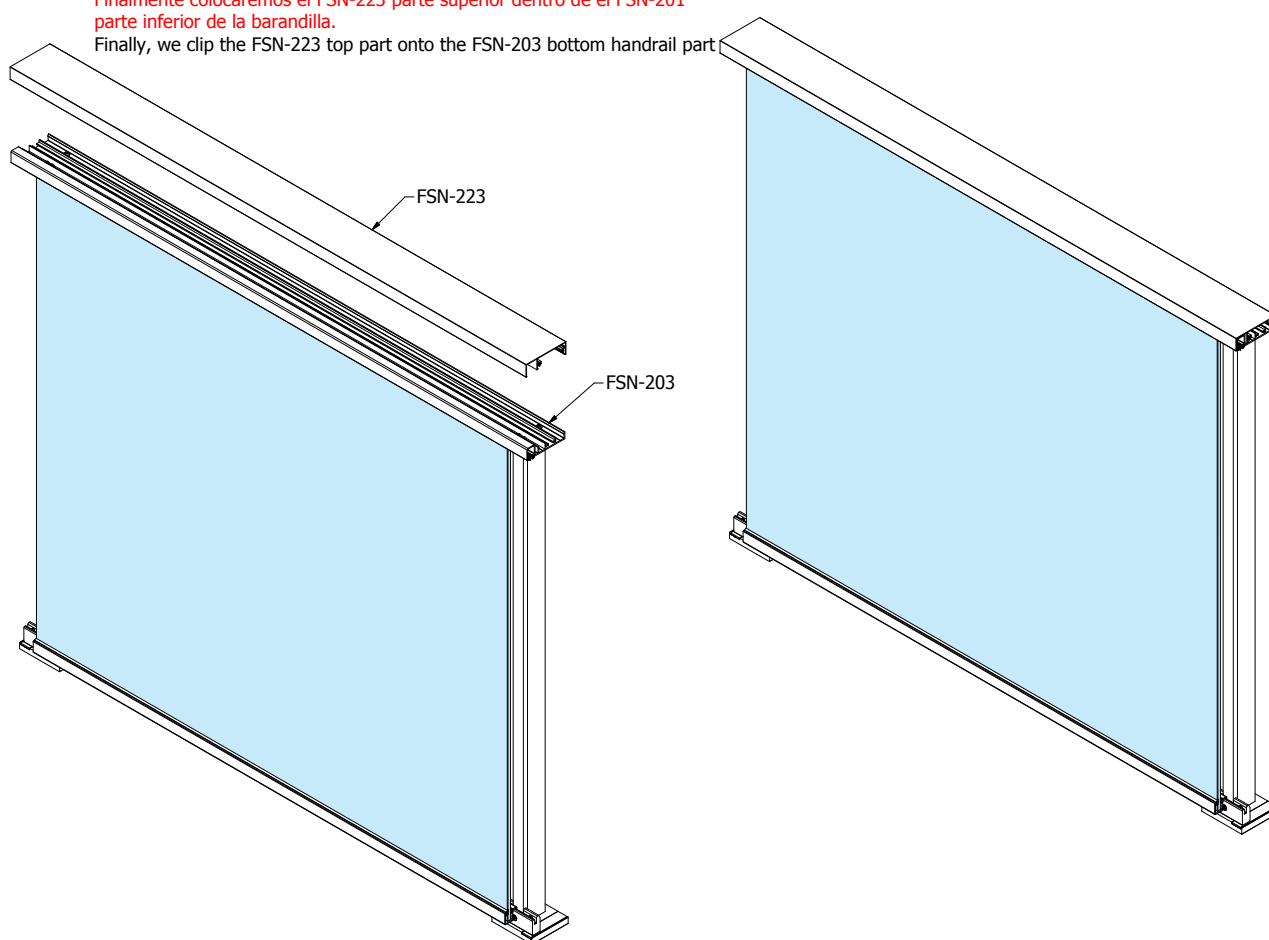
Paso:5
STEP 5



Paso:6
STEP 6

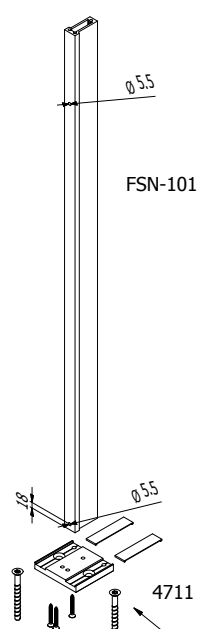
Finalmente colocaremos el FSN-223 parte superior dentro de el FSN-201
parte inferior de la barandilla.

Finally, we clip the FSN-223 top part onto the FSN-203 bottom handrail part



STEP 1

Paso:1

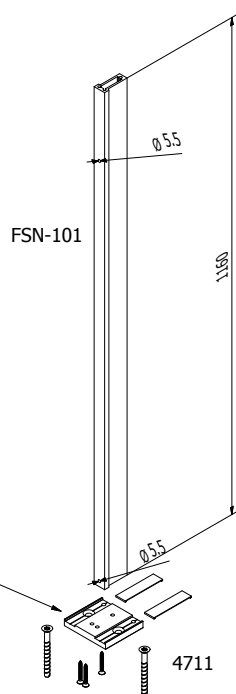


FSN-101

FSN-101

We cut each post to the needed length, according to final rail height, we drill the holes (for 4753 component) onto top & bottom part of each post/Cortamos cada poste a la longitud necesaria, de acuerdo a la altura final del carril, perforamos los agujeros (para 4753 componentes) en la parte superior e inferior de cada poste.

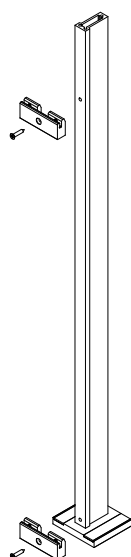
Fijamos la placa en cada poste, y luego fijamos en el suelo
We fix the footplate onto each post, and then we fix onto the ground



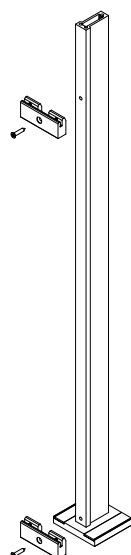
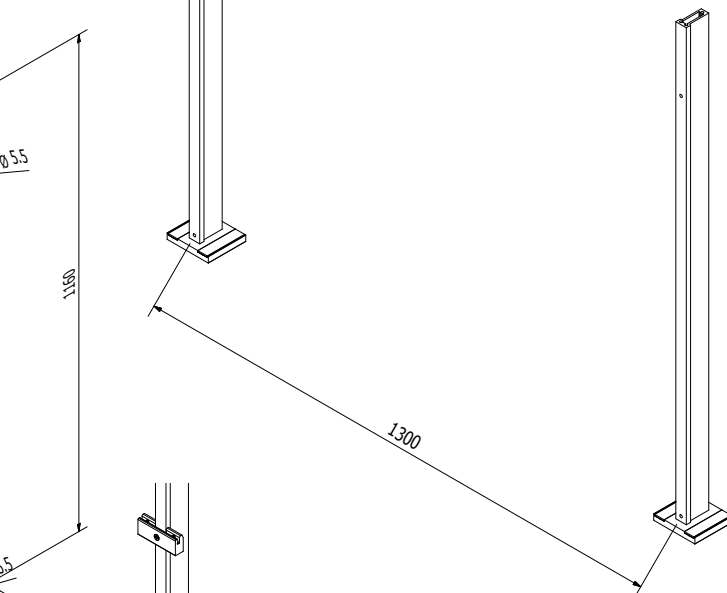
FSN-101

4711

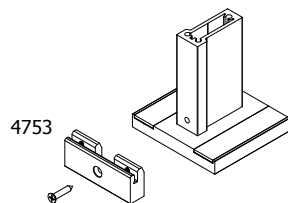
STEP 2



Fijamos con seguridad los componentes 4753, en cada puesto.
We fix securely the components 4753, onto the awaiting places on each post

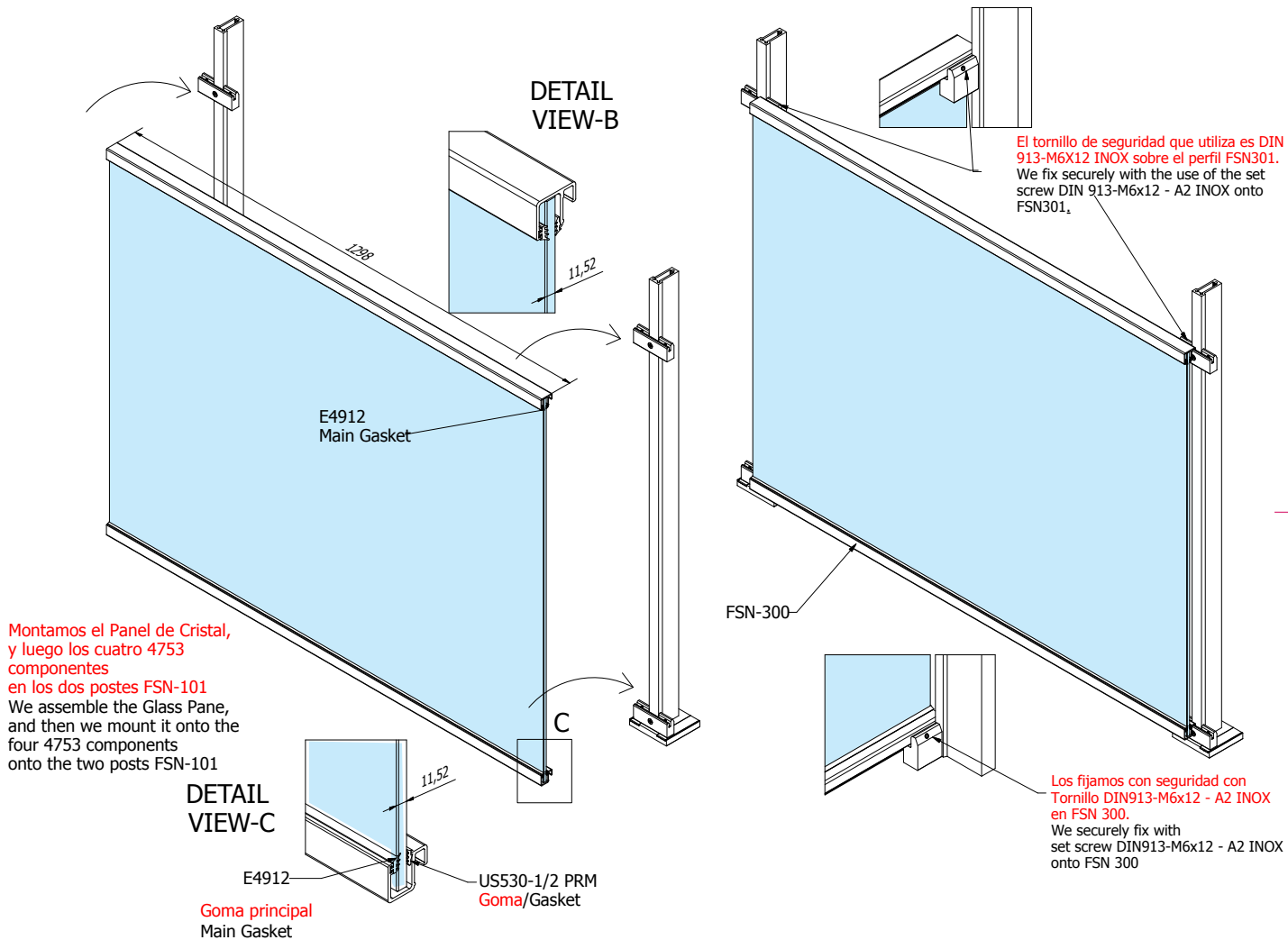


DETAIL VIEW-A

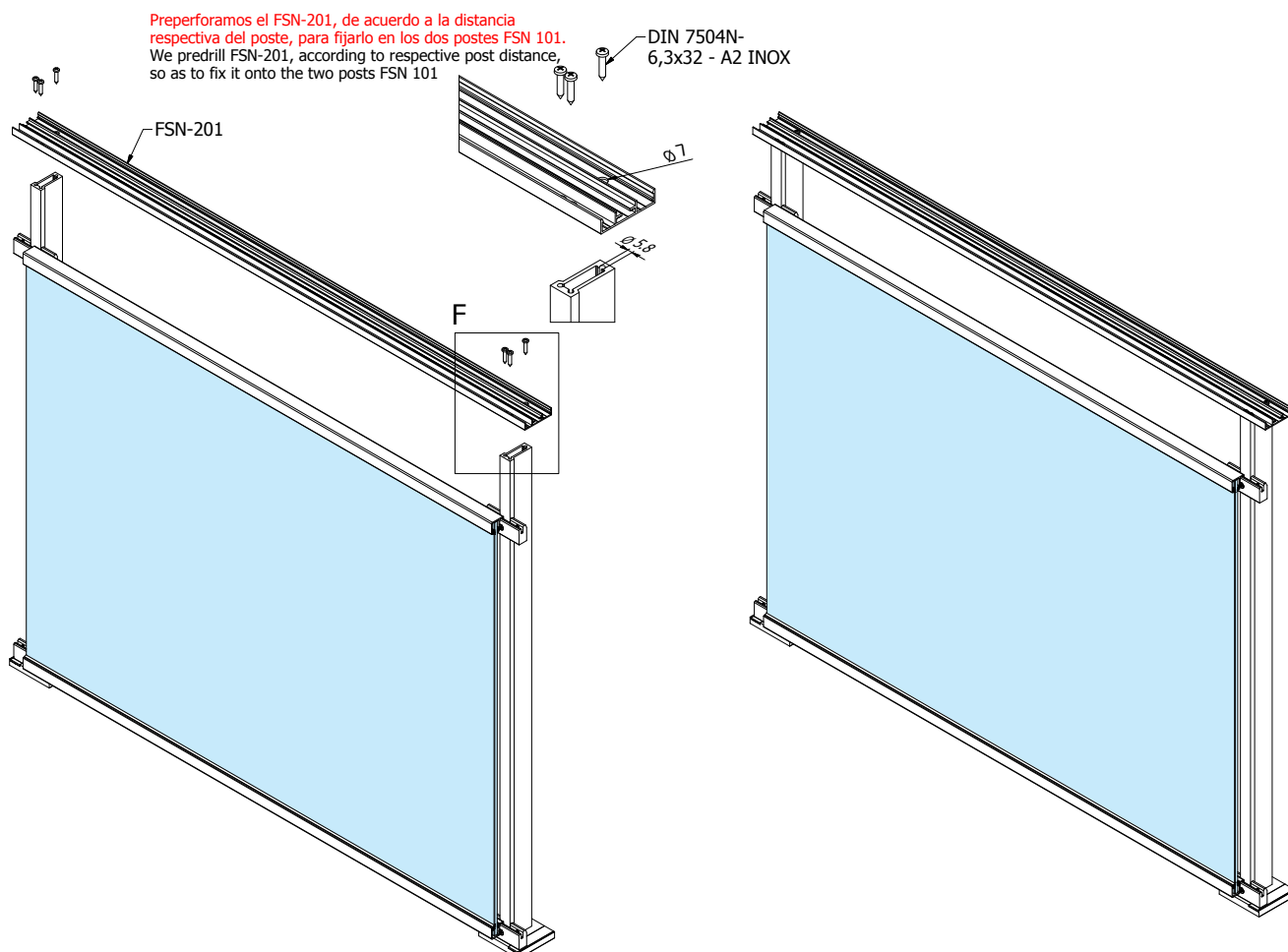


DIN7982-6,3x32 - A2 INOX

STEP 3:Paso3

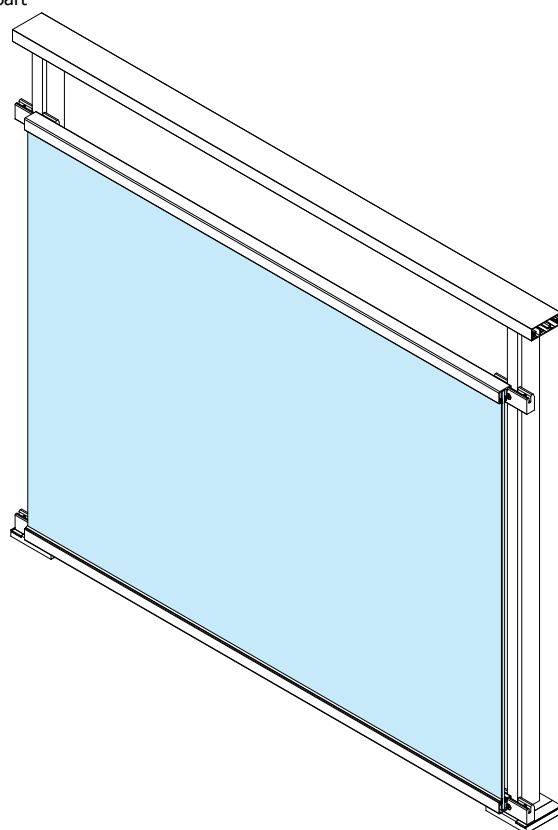
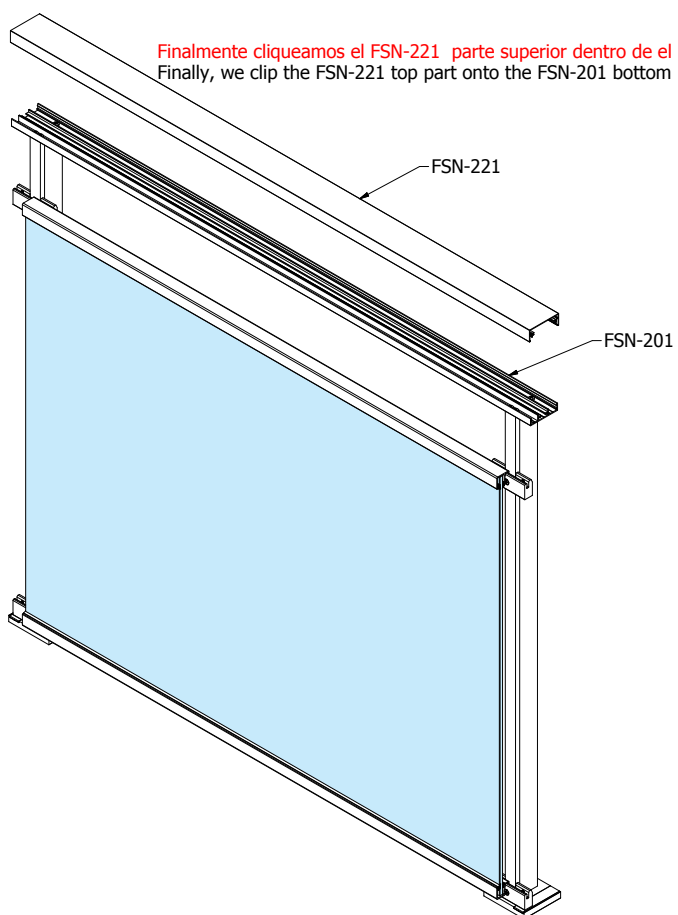


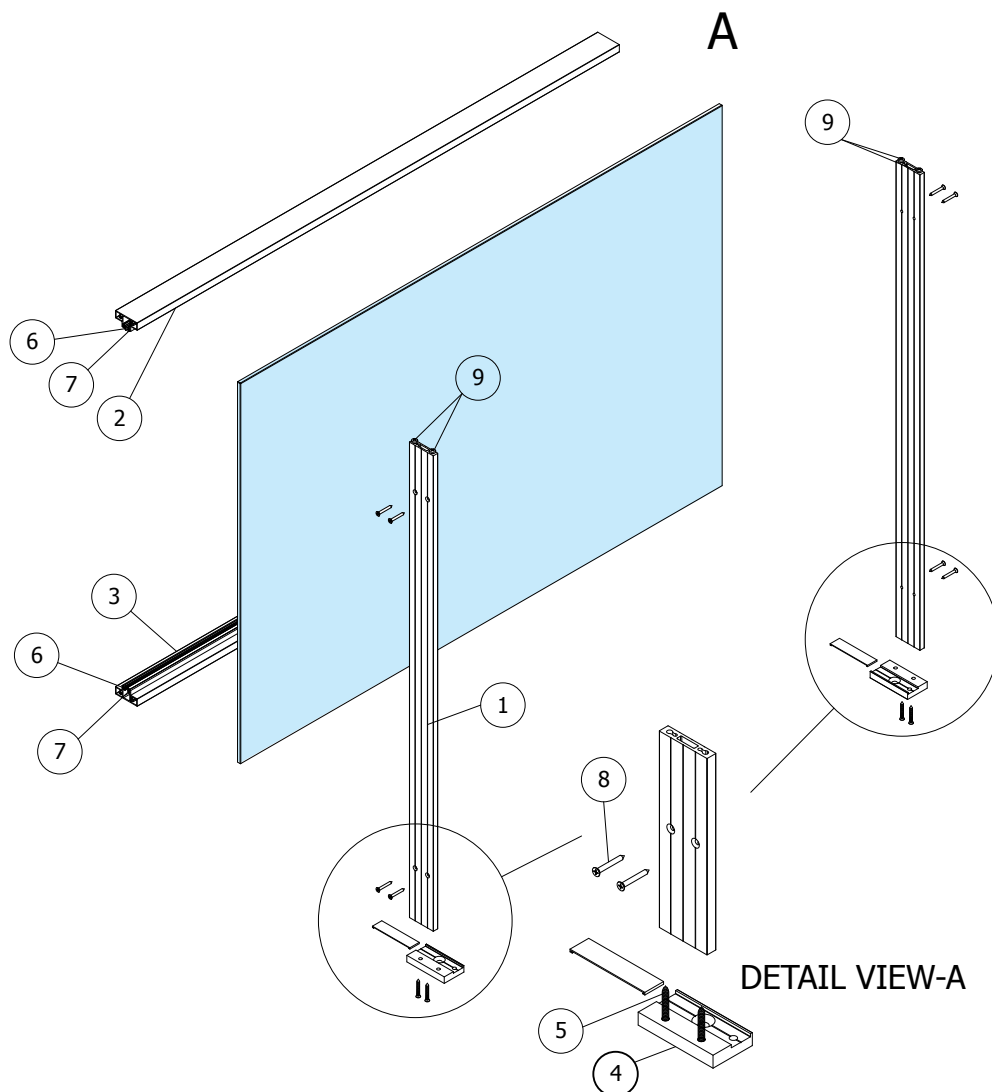
STEP 4 Paso:4



STEP 5:Paso 5

Finalmente cliqueamos el FSN-221 parte superior dentro de el FSN-201, parte inferior de la barandilla
Finally, we clip the FSN-221 top part onto the FSN-201 bottom handrail part



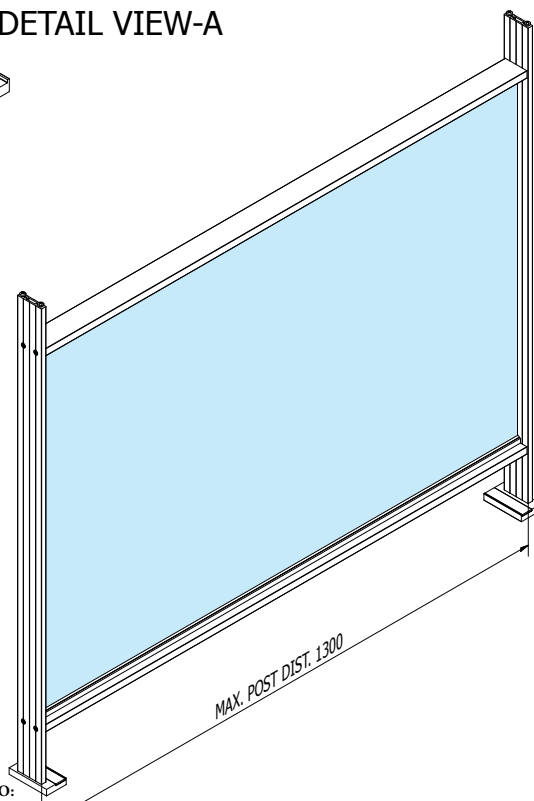


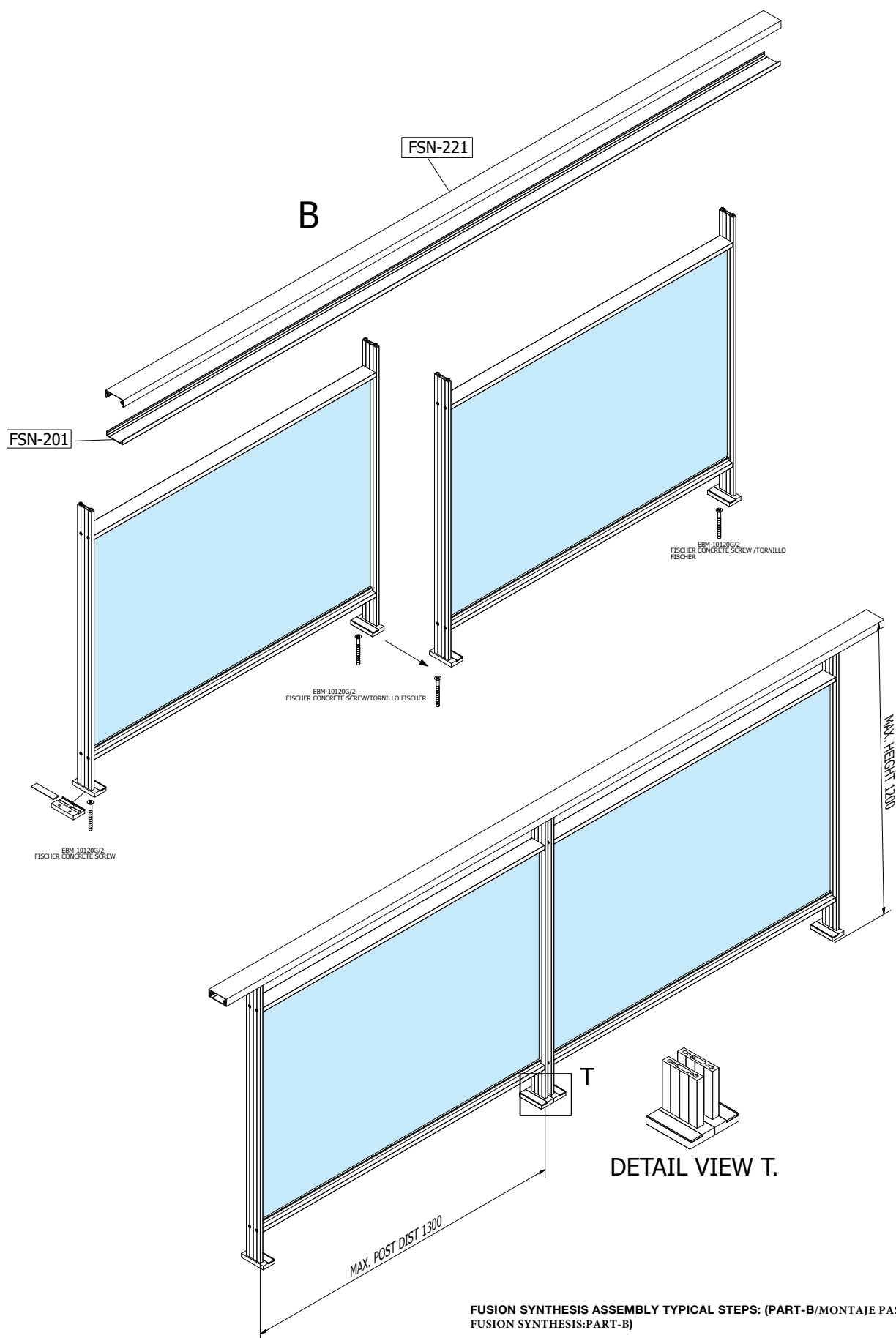
DETAIL VIEW-A

LISTADO DE PRODUCTOS/ PARTS LIST			
PROD ITEM	CAN QTY	PARTES BARAN PART NUMBER	DESCRIPTION/DESCRIPCION
1	2	FSN-100	POSTE SYNT / SYNTHESIS POST
2	1	FSN-303	GUIA RAIL CRISTAL / GLASS GUIDE RAIL
3	1	FSN-303	GUIA RAIL CRISTAL / GLASS GUIDE RAIL
4	1	4712 (as a pair)	PIE BASE/SYNTHESIS FOOTPLATE
5	4	DIN7982-6.3x50	TORNILLO PARA BASE / FOOTPLATE SCREWS
6	2	E4912	GOMAS / GASKET
7	2	US530-1/2/3/4 PRM	GOMAS PARA CRISTAL / GLAZING GASKET
8	8	DIN7504P-4.8x38	TORNILLO METAL / SHEET METAL SCREWS
9	4	DIN7504N-6.3x25	TORNILLO METAL / SHEET METAL SCREWS
10	2	E4710	PLAT PARA CUBRIR/ FOOTPLATE COVER

FUSION SYNTHESIS ASSEMBLY TYPICAL STEPS: (PART-A) MONTAJE SYNTHESIS PASO A PASO:

- ASSEMBLE 1st POST & FOOTPLATE (DET. VIEW-A)/MONTAR POSTE 1° & PIE BASE (DET VISTA-A)
- SCREW FSN-303 ONTO THE LOWER PART OF THE POST/TORNILLO FSN-303 SOBRE LA PARTE INFERIOR DEL PASAMANOS.
- SCREW FSN-303, ONTO THE UPPER PART OF THE POST/TORNILLO FSN-303 SOBRE LA PARTE SUPERIOR DEL PASAMANOS.
- INSERT GASKETS & GLASS INTO FSN-303 PROFILES/INSERTAR GOMAS & Y EL CRISTAL EN EL PERFIL FSN-303
- ASSEMBLE 2nd POST & FOOTPLATE (DET. VIEW-A), AND SCREW IT ONTO AWAITING ASSEMBLY TO FORM TOTAL STRUCTURE OF ONE GLASS PANE/MONTAJE DEL SEGUNDO POSTE Y PIE BASE (DET.VIEW-A) Y EL TORNILLO ESPERANDO PARA FORMAR UNA ESTRUCTURA TOTAL DEL PANEL DEL CRISTAL.
- PUT TOTAL ASSEMBLED RAIL TYPE PANEL ONTO THE GROUND/MONTAR EL RESTO DE LOS RAILES AL SUELO .



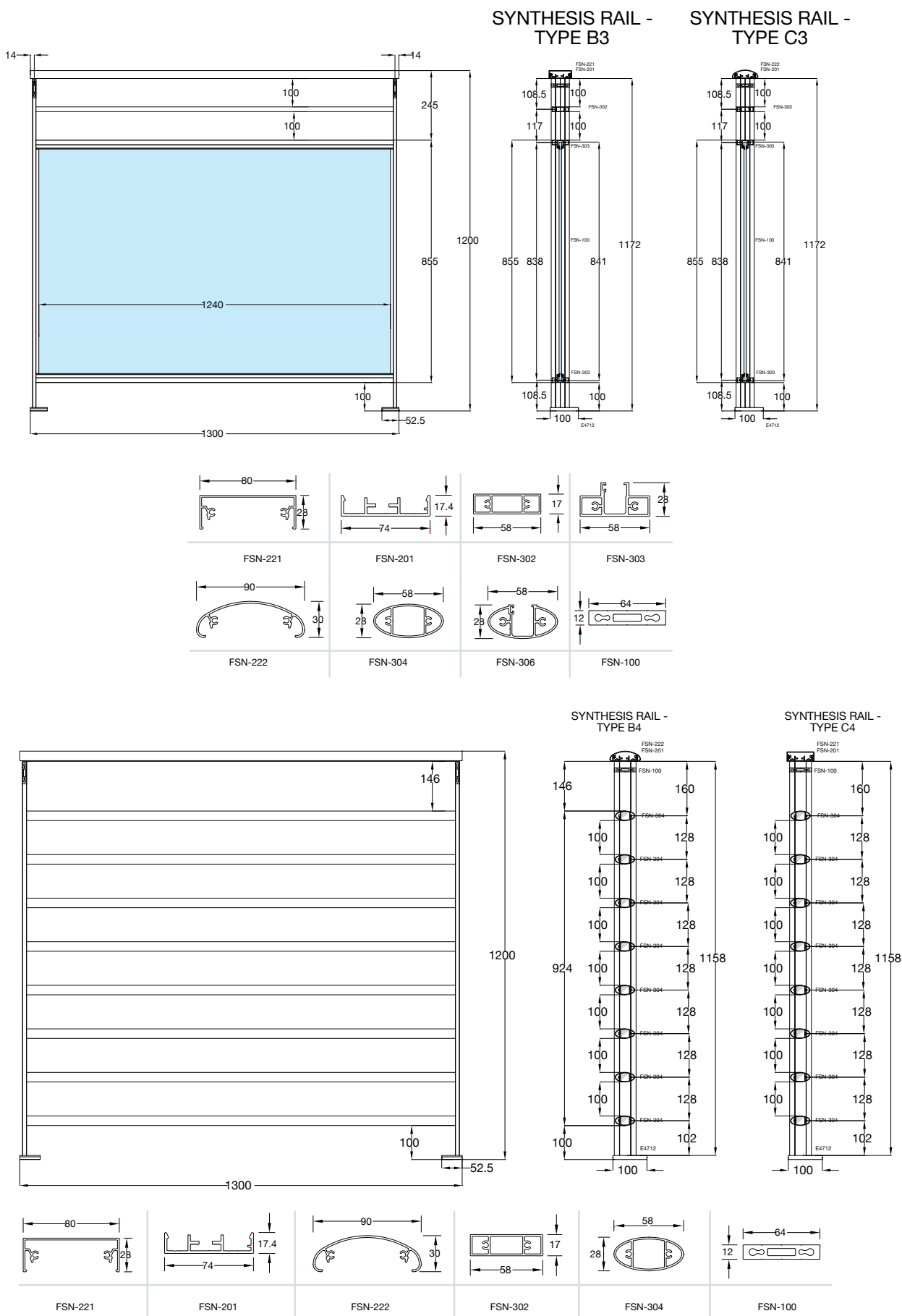


LISTA DE PRODUCTOS / PARTS LIST			
PRUD ITEM	CANT QTY	PARTES BARAN PART NUMBER	DESCRIPCION / DESCRIPTION
1	1	FSN-201	PASAMANOS BASE/ HANDRAIL BASE
2	1	FSN-221	TAPA DE LA BARANDILLA / HANDRAIL COVER

FUSION SYNTHESIS ASSEMBLY TYPICAL STEPS: (PART-B/MONTAJE PASO A PASO DEL FUSION SYNTHESIS:PART-B)

7. FIX TWO ASSEMBLED RAIL PANELS CLOSE TO EACH OTHER ONTO THE GROUND (DET. VIEW-T), WITH FISCHER CONCRETE SCREW/2 PANELES DE RAIL PARA MONTAR AL SUELO CON TORNILLO ESPECIAL (DET VIST: T)
8. SCREW HANDRAIL BOTTOM PART ON THE TOP PART OF THE POSTS/PONER EL TORNILLO DE LA PARTE INFERIOR DEL POSTE.
- 9.

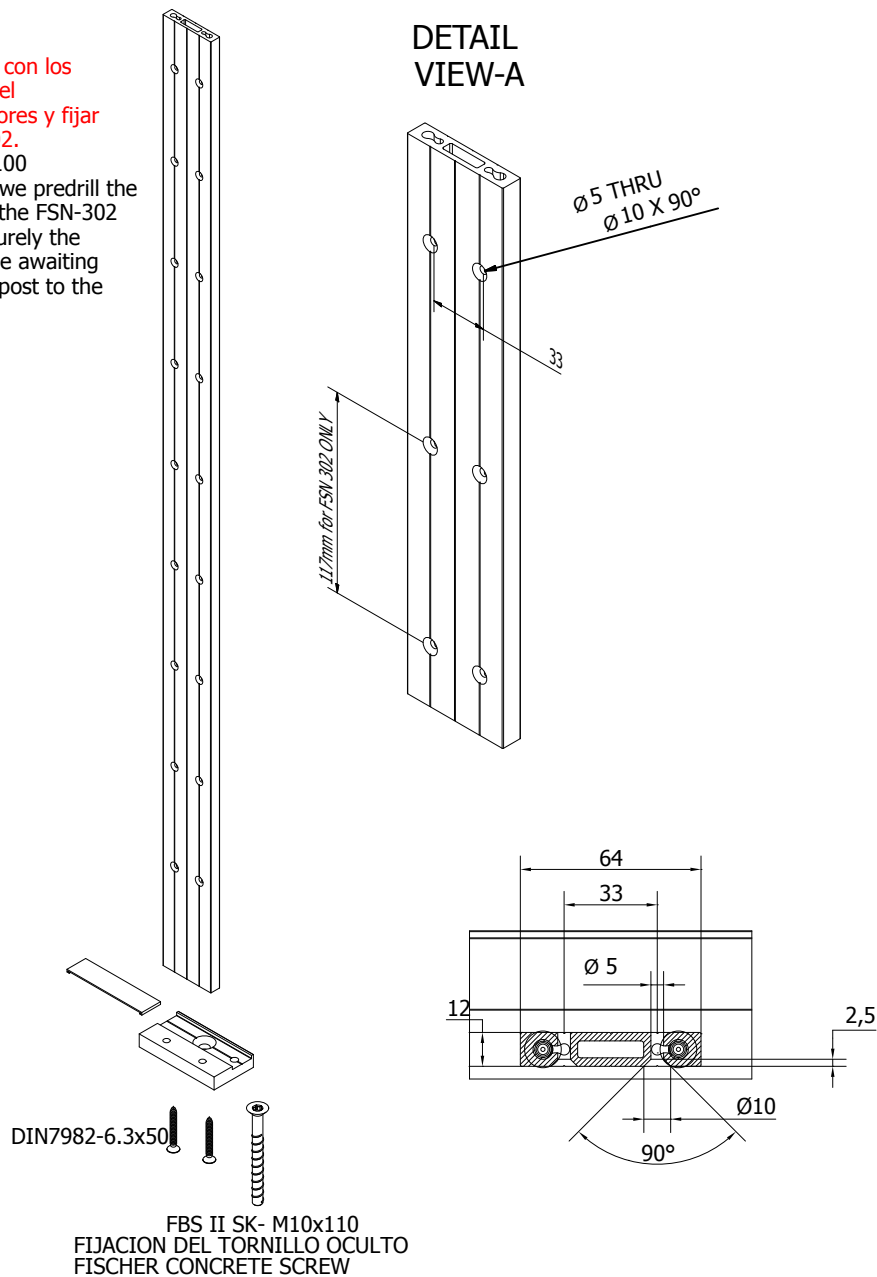
CLICK AND CONNECT HANDRAIL UPPER PART ONTO THE HANDRAIL BOTTOM PART TO COMPLETE THE RAIL TYPE ASSEMBLY/LA PARTE SUPERIOR DEL PASAMANOS Y COMPLEMETAR EL TOTAL DEL MONTAJE.

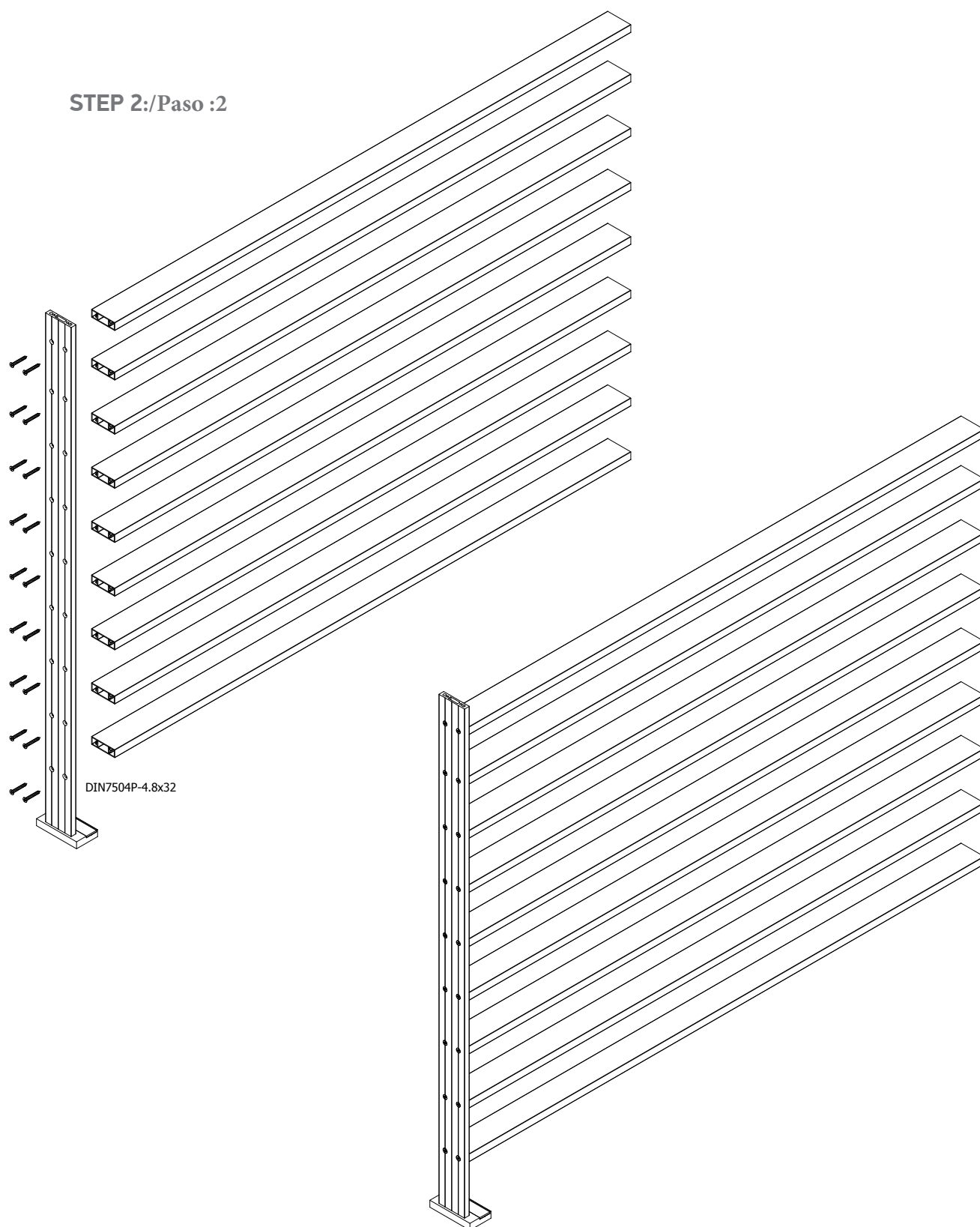


STEP 1: PASO:1 Se corte el poste FSN-100 a la longitud necesaria

Se hace un pretaladro con los agujeros para montar el FSN-302, carriles interiores y fijar bien la plataforma 4702.

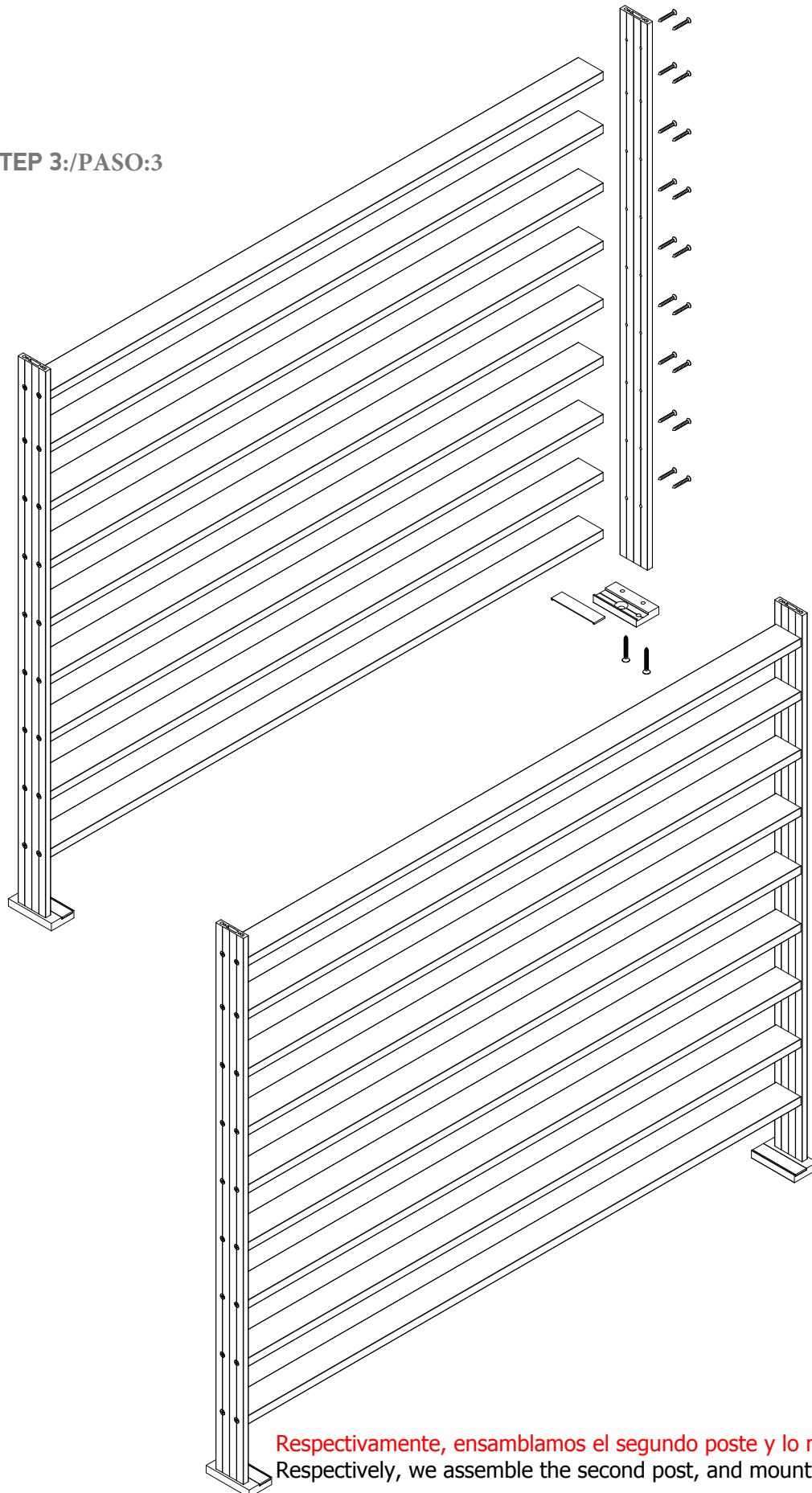
We cut the post FSN-100 to the needed length, we predrill the holes for mounting of the FSN-302 inner rails, and fix securely the footplate 4702 onto the awaiting post, and then fix the post to the ground.





Montamos en el interior del rail FSN-302 sobre el poste FSN-100.
We screw the inner rails FSN-302 onto the post FSN-100.

STEP 3:/PASO:3



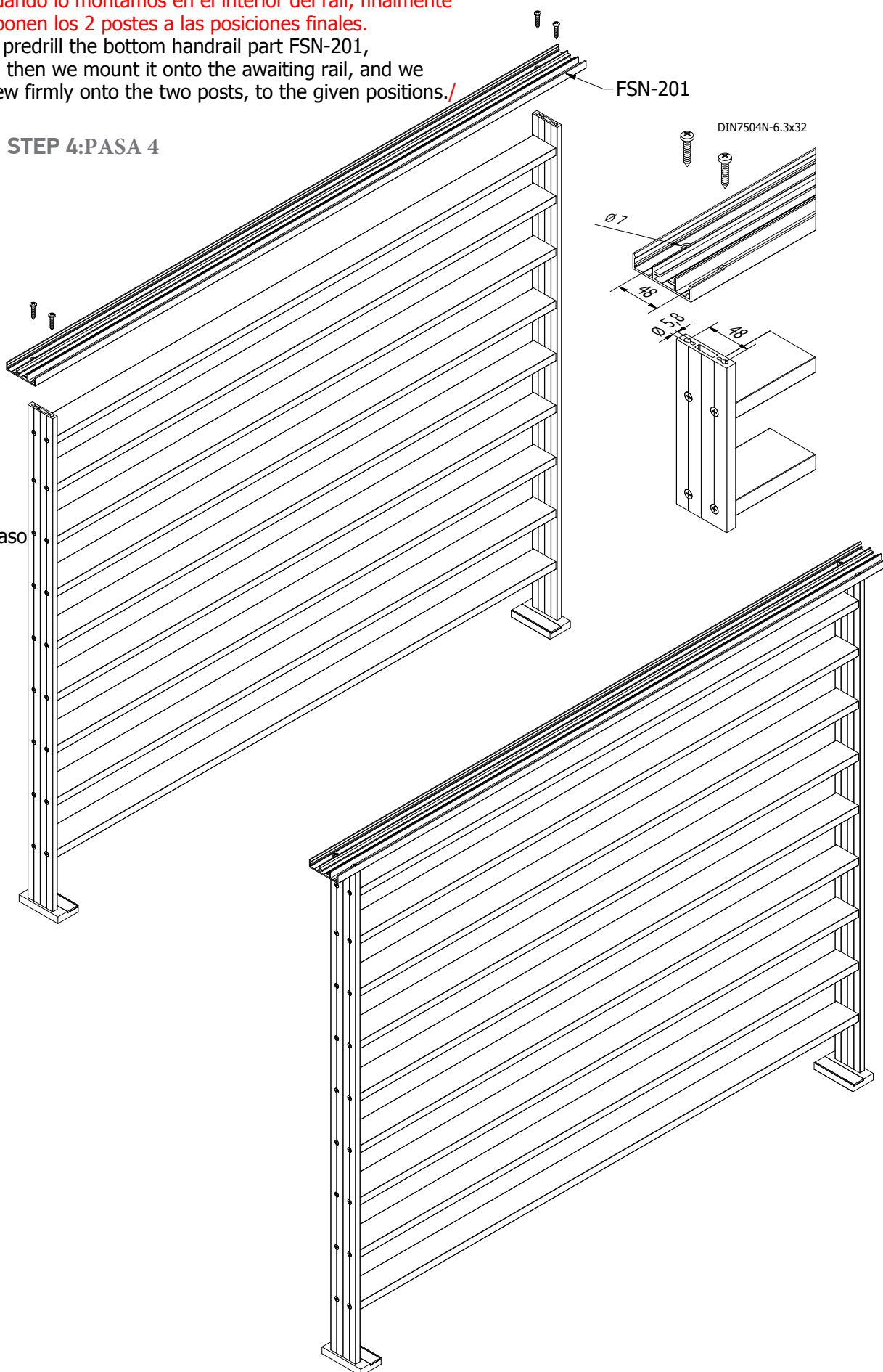
Respectivamente, ensamblamos el segundo poste y lo montamos en el riel.
Respectively, we assemble the second post, and mount it onto the rail.

Se realiza el pretaladro en la parte inferior FSN-201 y cuando lo montamos en el interior del rail, finalmente se ponen los 2 postes a las posiciones finales.

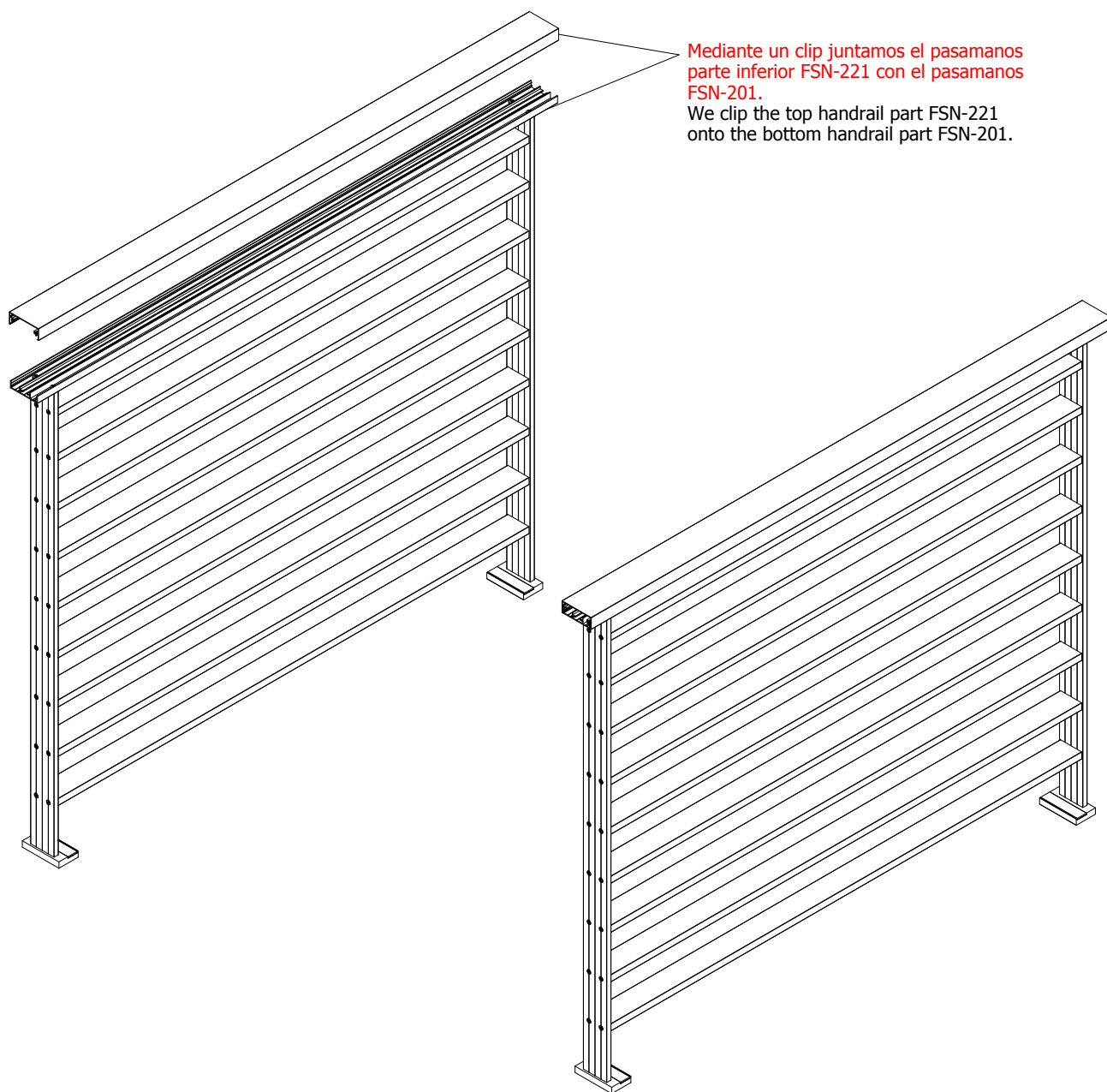
We predrill the bottom handrail part FSN-201, and then we mount it onto the awaiting rail, and we screw firmly onto the two posts, to the given positions./

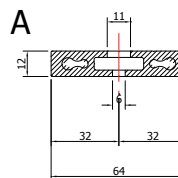
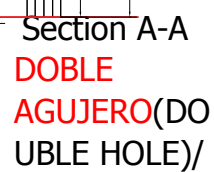
STEP 4:PASA 4

7:Paso

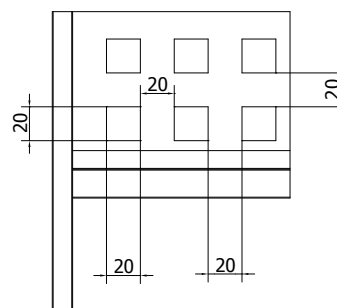


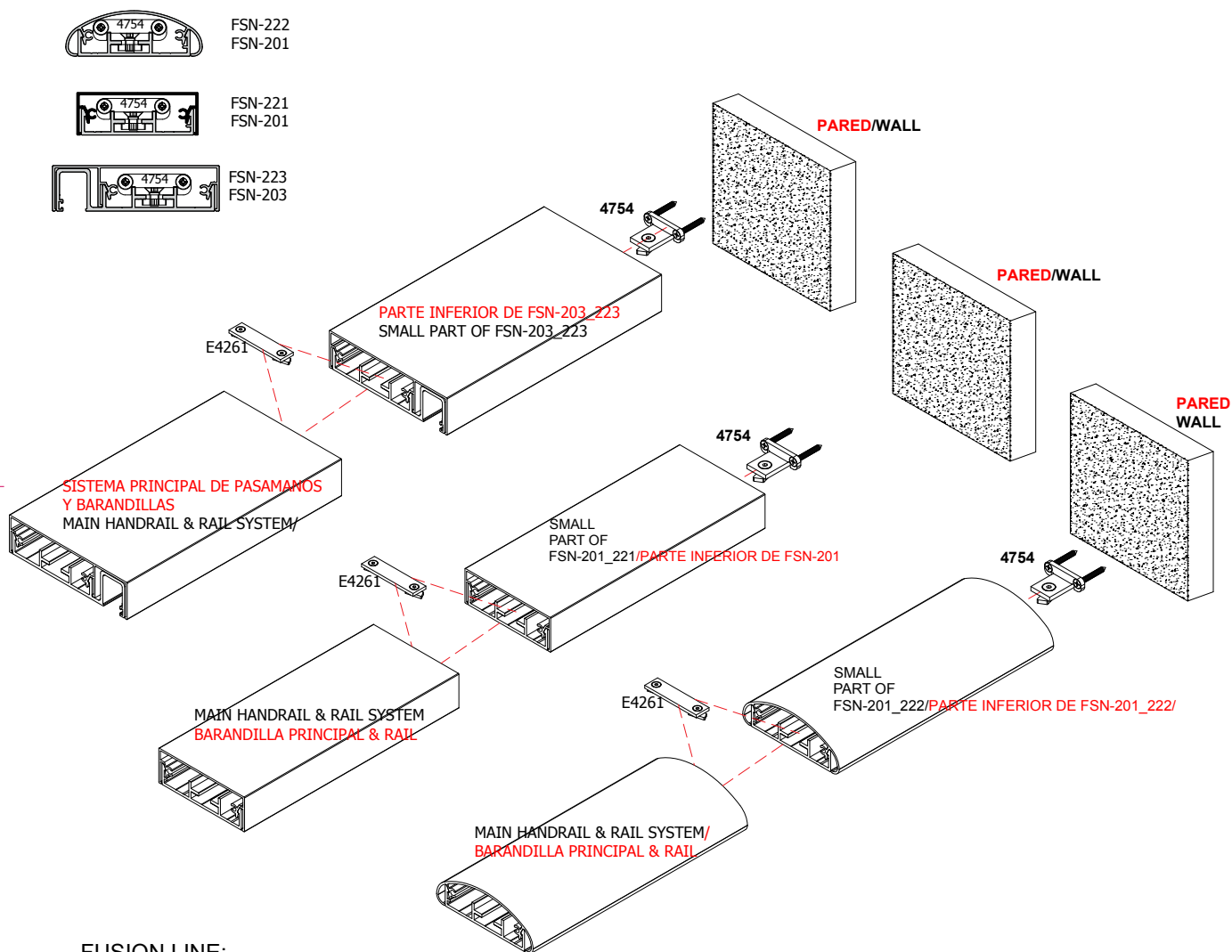
STEP 5:PASO:5



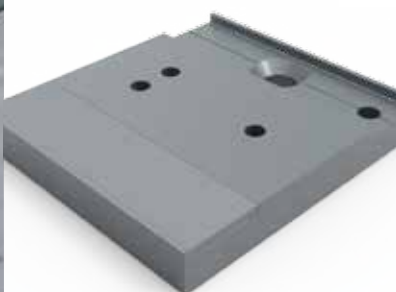


Section B-B
UNICO
AGUJERO.
(SINGLE
HOLE)/



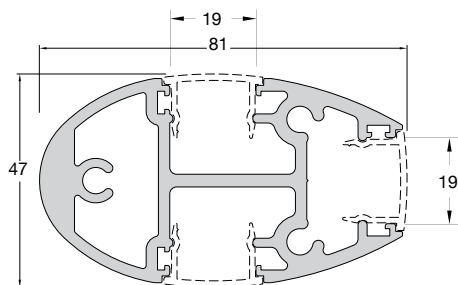


FUSION LINE:
HANDRAIL CONNECTOR
& WALL MOUNTING
COMPONENT/CONECTORES DE
PASAMANOS & COMPONENTES
PARA MONTAR A PARED

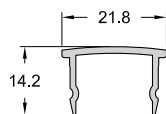


PERFILES & ACCESORIOS PROFILES AND ACCESSORIES

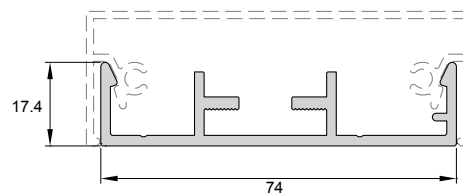




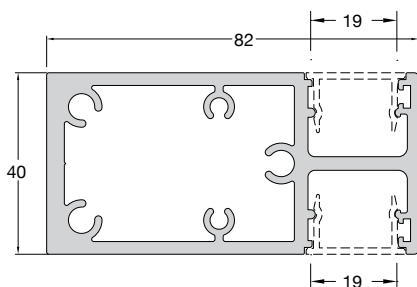
COLUMNA OVALADA 45 X 80
Column oval 45x80 (without cap)
Code **FSN-102**
Weight. 2384 gr/m



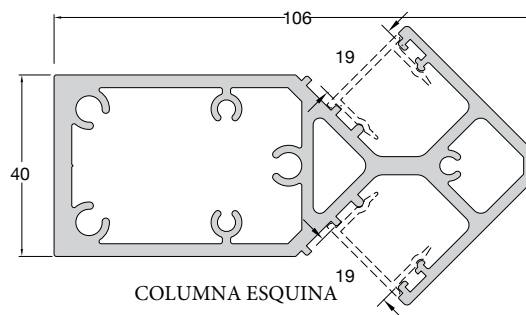
TAPA PARA COLUMNA FSN-102
Cover for column FSN-102
Code **FSN-122**
Weight. 163 gr/m



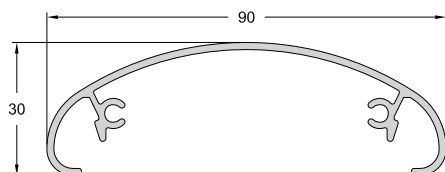
BASE PARA EL PASAMANOS(FSN-221/222)
Base for handrail FSN-221/222
Code **FSN-201**
Weight. 872 gr/m



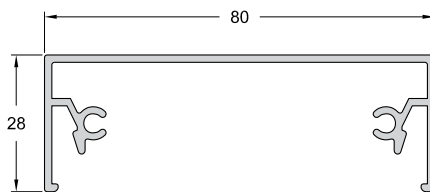
COLUMNA 40 X 82
Column 40x82
Code **FSN-103**
Weight. 2367 gr/m



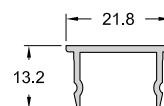
COLUMNA ESQUINA
Column corner (without cap)
Code **FSN-104**
Weight. 3118 gr/m



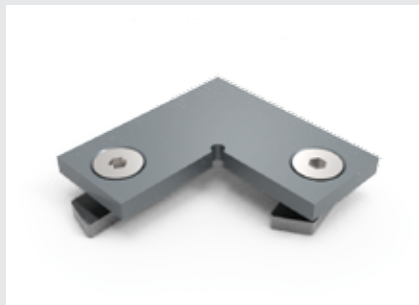
TAPA PARA EL PASAMANOS 90 X 30
Cover for handrail 90x30
Code **FSN-222**
Weight. 736 gr/m



TAPA PARA EL PASAMANOS 80 X 28
Cover for handrail 80x28
Code **FSN-221**
Weight. 754 gr/m



TAPA PARA COLUMNA FSN-103/104
Cover for column FSN-103/104
Code **FSN-123**
Weight. 156 gr/m



UNION DE PASAMANOS EN 90° PARA F50-201

Connector 90° for F50-201 handrail

Code 4250



CONECTOR PARA PASAMANOS

Connector for handrail

Code 4261



PIE PARA COLUMNA FSN-102

Support foot for FSN-102

Code 4713



PIE PARA COLUMNA FSN-103

Support foot for FSN-103

Code 4714



PIE PARA COLUMNA FSN-104

Corner support foot for FSN-104

Code 4715



PIE EN ESQUINA PARA COLUMNA FSN-102

Corner support foot for FSN-102

Kωδ. / Code 4716



TAPA PARA CUBRIR

Foot cover for 4713, 4714, 4715, 4716

Code E4710



SOPORTE PARED PARA COLUMNA FSN -102

Support for column FSN-102

Code 4752



TAPA PARA PASAMANOS FSN-222

End cap for handrail FSN-222

Code 4921



SOPORTE A PARED

Wall support for handrail

Code 4754



*Todos los accesorios estan realizados de aluminio.

*Todos los tornillos son de acero inoxidable grado A2

All accessories are made from aluminium profiles.

All screws are stainless steel, grade A2



TAPA PARA COLUMNA FSN-102

End cap for column
FSN-102

Code 4924



TAPA PARA COLUMNA FSN-102 (IZQUIERDA)

End cap for column FSN-102 (left)

Code 4925



TAPA PARA COLUMNA FSN-102 (DERECHA)

End cap for column FSN-102
(right)

Code 4926



TAPA PARA COLUMNA FSN-102(1)

End cap for column
FSN-102

Code 4927



TAPA PARA COLUMNA FSN-102(2)

End cap for column
FSN-102

Code 4928



TAPA PARA COLUMNA FSN-102 (3)

End cap for column
FSN-102

Code 4929



TAPA PARA COLUMNA FSN-102 (IZQUIERDA)

End cap for column FSN-102 (left)

Code 4936



TAPA PARA COLUMNA FSN-102 (DERECHA)

End cap for column FSN-102
(right)

Code 4937



TAPA PARA COLUMNA FSN-103

End cap for column
FSN-103

Code 4930



TAPA PARA COLUMNA FSN-103 (IZQUIERDA)

End cap for column FSN-103 (left)

Code 4931



TAPA PARA COLUMNA FSN-103 (DERECHA)

End cap for column FSN-103
(right)

Code 4932



TAPA PARA COLUMNA FSN-103 (IZQUIERDA)

End cap for column
FSN-103

Code 4933



TAPA PARA COLUMNA FSN-104(2)

End cap for column
FSN-104

Code 4934



TAPA PARA COLUMNA FSN-104

End cap for column
FSN-104

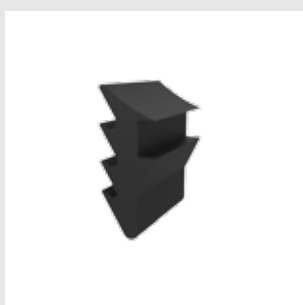
Code 4935



GOMA PARA RAIL F50-319 CRISTAL 10MM

Glazing gasket

Code 4912



GOMAS PARA CRISTAL

Glazing gasket Code

US530-2/3/4 PRM



GOMAS PARA CRISTAL

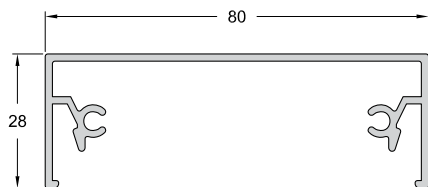
Glazing gasket

Code US530-1 PRM



*Todos los accesorios estan realizados de aluminio.
*Todos los tornillos son de acero inoxidable grado A2

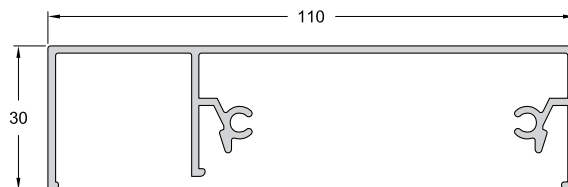
All accessories are made from aluminium profiles.
All screws are stainless steel, grade A2



TAPA PARA EL PASAMANOS 80 X 28

Cover for handrail 80x28

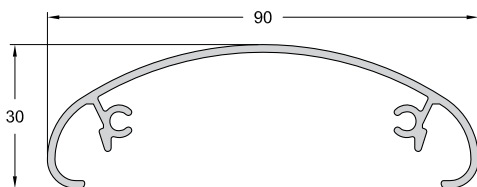
Code	FSN-221
Weight.	754 gr/m



TAPA PARA PASAMANOS 110 X 30

Cover for handrail 110x30

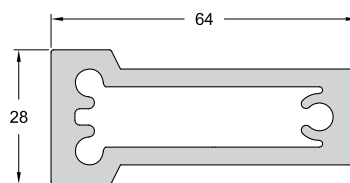
Code	FSN-223
Weight.	1006 gr/m



TAPA PARA EL PASAMANOS 90 X 30

Cover for handrail 90x30

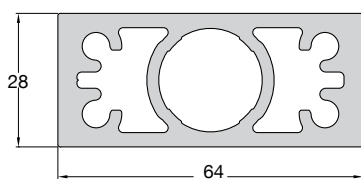
Code	FSN-222
Weight.	736 gr/m



COLUMNA 28 X64.FUSION LINE

Column 28x64

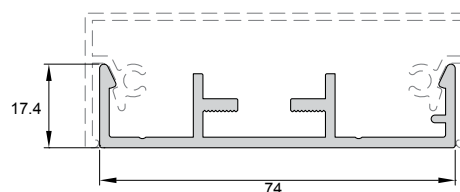
Code	FSN-101
Weight.	1980 gr/m



COLUMNA

Column 28x64

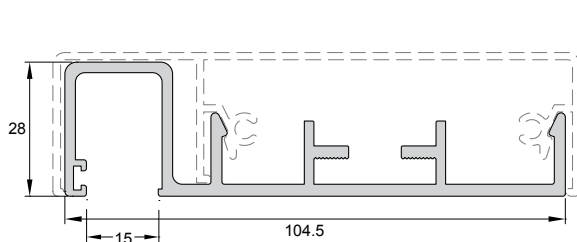
Code	FSN-105
Weight.	2354 gr/m



BASE PARA EL PASAMANOS(FSN-221/222)

Base for handrail FSN-221/222

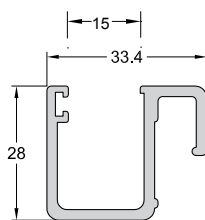
Code	FSN-201
Weight.	872 gr/m



BASE PARA EL PASAMANOS(FSN-223)

Base for handrail FSN-223

Code	FSN-203
Weight.	1446 gr/m

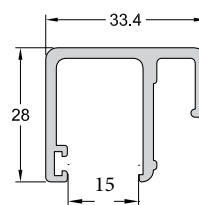


GUIA PARA CRISTAL INFERIOR

Guide for glass

(down)

Code	FSN-300
Weight.	607 gr/m



GUIA PARA CRISTAL SUPERIOR

Guide for glass

(up)

Code	FSN-301
Weight.	607 gr/m



**SUJECCIÓN COLUMNA
F50-100 & F50-101 AL SUELO**
Infloor support for FSN-105

Code 4167

**UNION DE PASAMANOS EN 90°
PARA F50-201**
Connector 90° for F50-201 handrail

Code 4250

CONECTOR PARA PASAMANOS
Connector for handrail

Code 4261

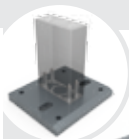
PIE PARA COLUMNA FSN-101
Support foot for
FSN-101

Code 4711



TAPA PARA CUBRIR
Foot cover for 4711

Code E4710



PIE PARA COLUMNA FSN-105
Support foot for
FSN-105

Code 4707



SOPORTE PARED COLUMNA FSN -101
External support for column FSN-101

Code 4751



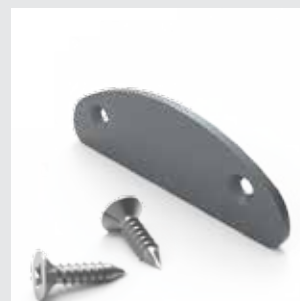
**SOPORTE DE CRISTAL
PARA FSN-901**
Glass support L100
mm

Code 4753



SOPORTE A PARED
Wall support for handrail

Code 4754



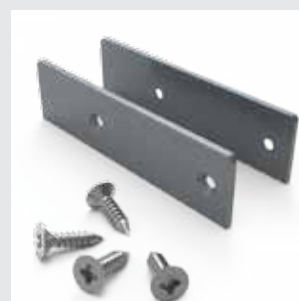
TAPA PARA PASAMANOS FSN-222
End cap for handrail
FSN-222

Code 4921



TAPA PARA PASAMANOS FSN-221
End cap for handrail
FSN-221

Code 4922



TAPA PARA PASAMANOS FSN-223
End cap for handrail
FSN-223

Code 4923



TAPA INFERIOR COLUMNA FSN-101
End cap for column
FSN-101

Code 4938



**GOMA PARA RAIL F50-319
CRISTAL 10MM**
Glazing gasket

Code 4912



GOMAS PARA CRISTAL

Glazing gasket _Code
US530-2/3/4 PRM



GOMAS PARA CRISTAL

Glazing gasket
Code **US530-1 PRM**

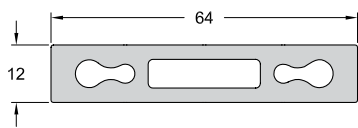


*Todos los accesorios estan realizados de aluminio.

*Todos los tornillos son de acero inoxidable grado A2

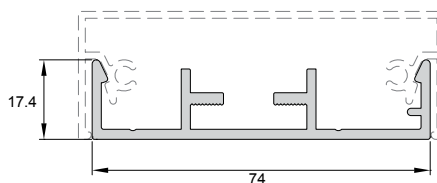
All accessories are made from aluminium profiles.

All screws are stainless steel, grade A2



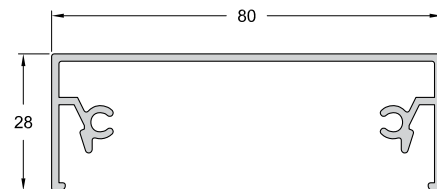
COLUMNA 12X64.FUSION LINE

Column 12x64	
Code	FSN-100
Weight.	1442 gr/m



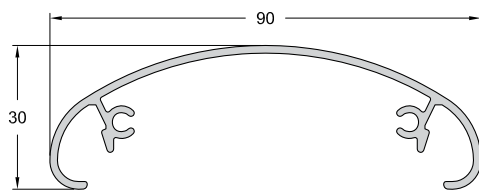
BASE PARA EL PASAMANOS(FSN-221/222)

Base for handrail FSN-221/222	
Code	FSN-201
Weight.	872 gr/m



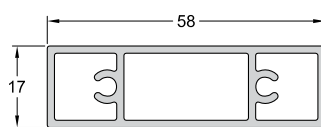
TAPA PARA EL PASAMANOS
80 X 28

Cover for handrail 80x28	
Code	FSN-221
Weight.	754 gr/m



TAPA PARA EL PASAMANOS 90 X 30

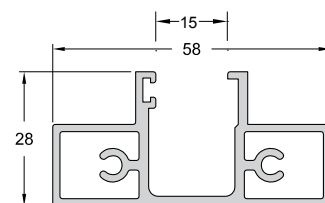
Cover for handrail 90x30	
Code	FSN-222
Weight.	736 gr/m



PERFIL 58 X 17

Square 58x17

Code	FSN-302
Weight.	781 gr/m

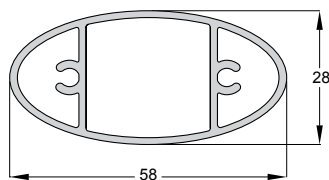


PERFIL GUIA PARA EL CRISTAL

58 X 28

Guide for glass

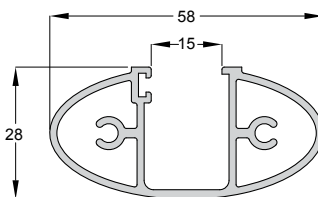
Code	FSN-303
Weight.	976 gr/m



PERFIL OVALADO 58 X 28

Oval 58x28

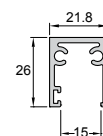
Code	FSN-304
Weight.	804 gr/m



GUIA OVALADA PARA CRISTAL

Guide oval for glass

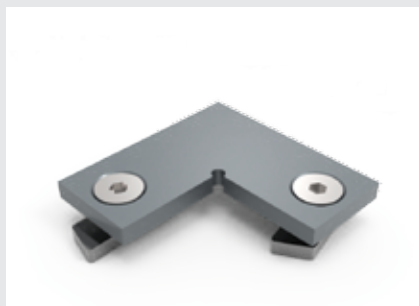
Code	FSN-306
Weight.	857 gr/m



PERFIL GUIA PARA CRISTAL 1.8 X 26

Guide for glass

Code	FSN-307
Weight.	468 gr/m



UNION DE PASAMANOS EN 90° PARA F50-201

Connector 90° for F50-201 handrail

Code 4250



CONECTOR PARA PASAMANOS

Connector for handrail

Code 4261



PIE PARA COLUMNA FSN-100

Support foot for

Code FSN-100 4712



TAPA PARA 4712

Foot cover for 4712

Code E4710



TAPA PARA PASAMANOS FSN-221

End cap for handrail
FSN-221

Code 4922



TAPA PARA PASAMANOS FSN-222

End cap for handrail
FSN-222

Code 4921



SOPORTE A PARED

Wall support for handrail

de 4754



GOMAS PARA CRISTAL

Glazing gasket

Code 4912



GOMAS PARA CRISTAL

Glazing gasket

Code US530-2/3/4 PRM



GOMAS PARA CRISTAL

Glazing gasket

Code US530-1 PRM



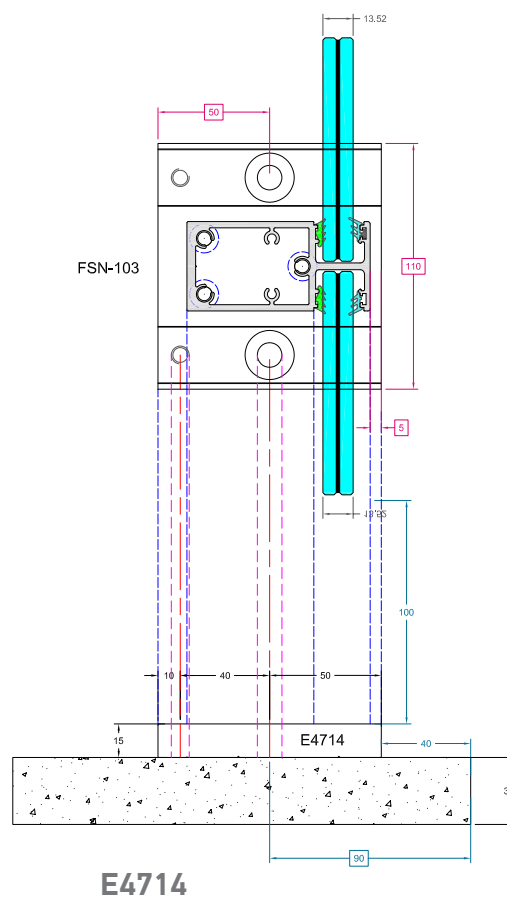
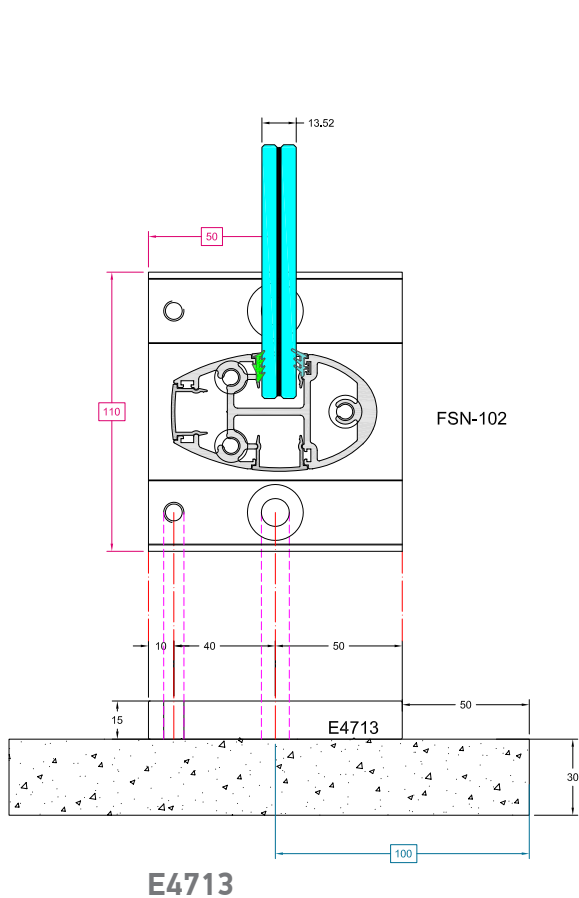
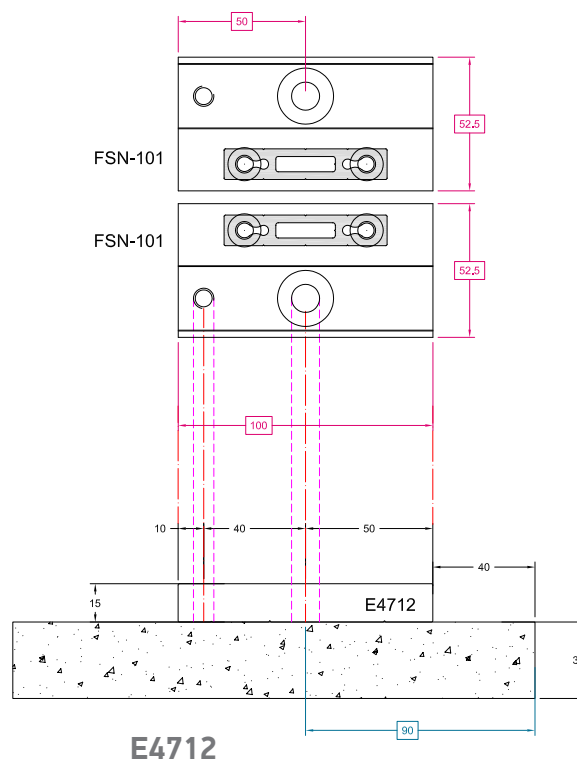
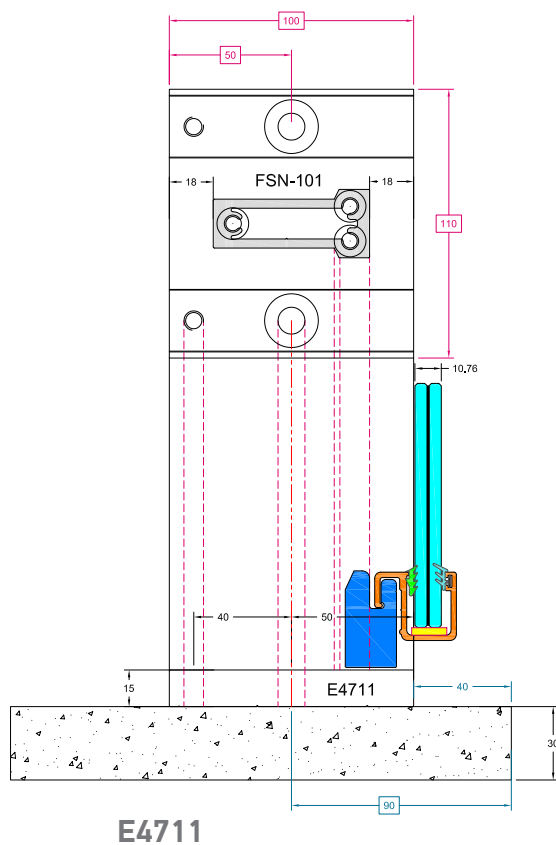
*Todos los accesorios estan realizados de aluminio.

*Todos los tornillos son de acero inoxidable grado A2

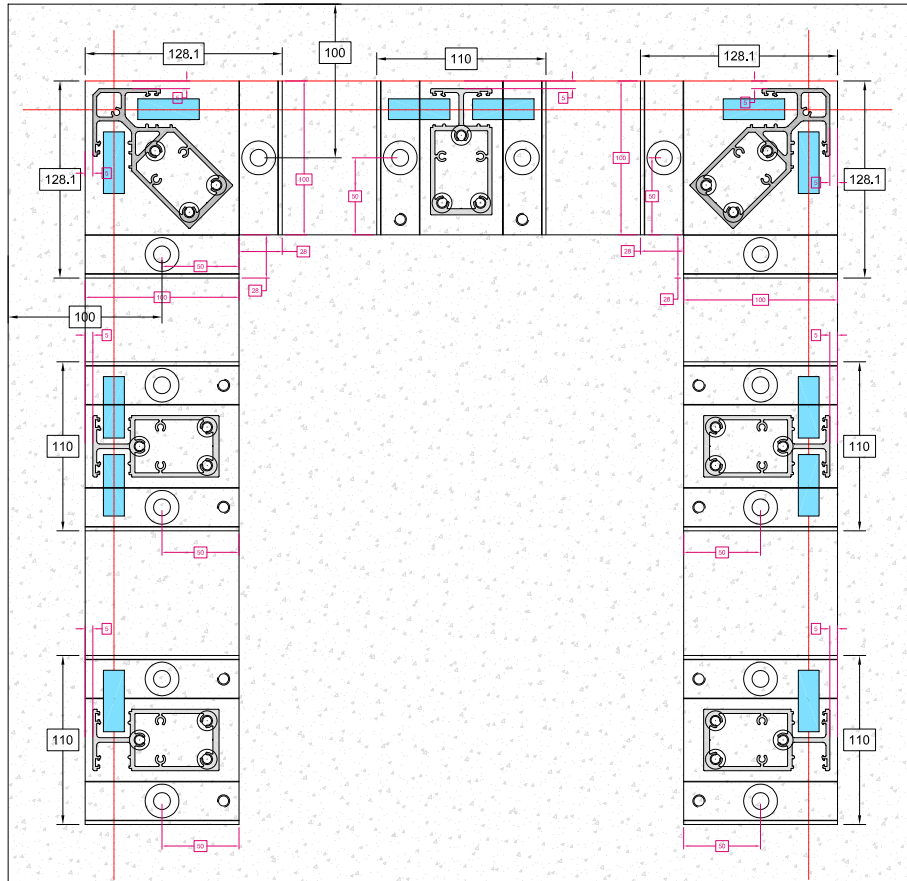
All accessories are made from aluminium profiles.

All screws are stainless steel, grade A2

Pies de apoyo para el ancho del suelo. (minimo requerido)
Ground anchoring of support feet (minimum requirements)

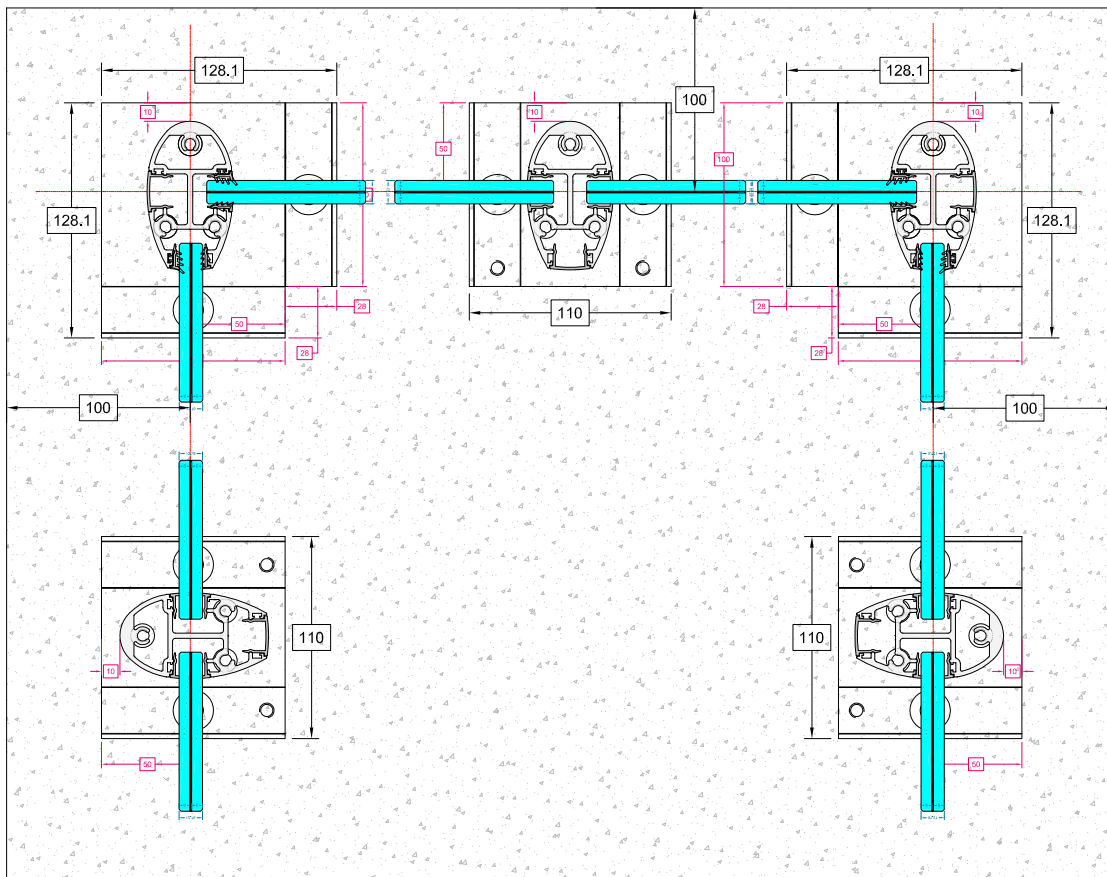


E4715



77

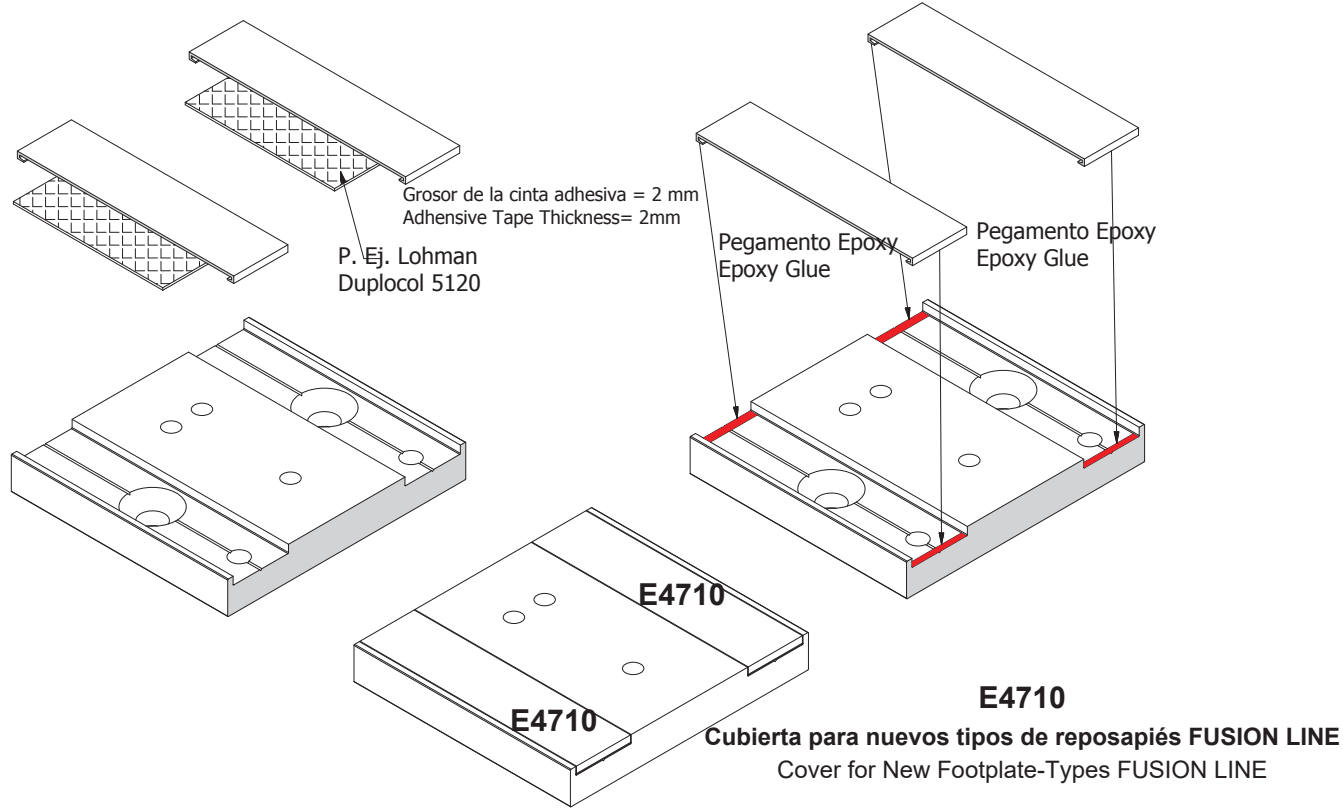
TECHNICAL
DETAILS



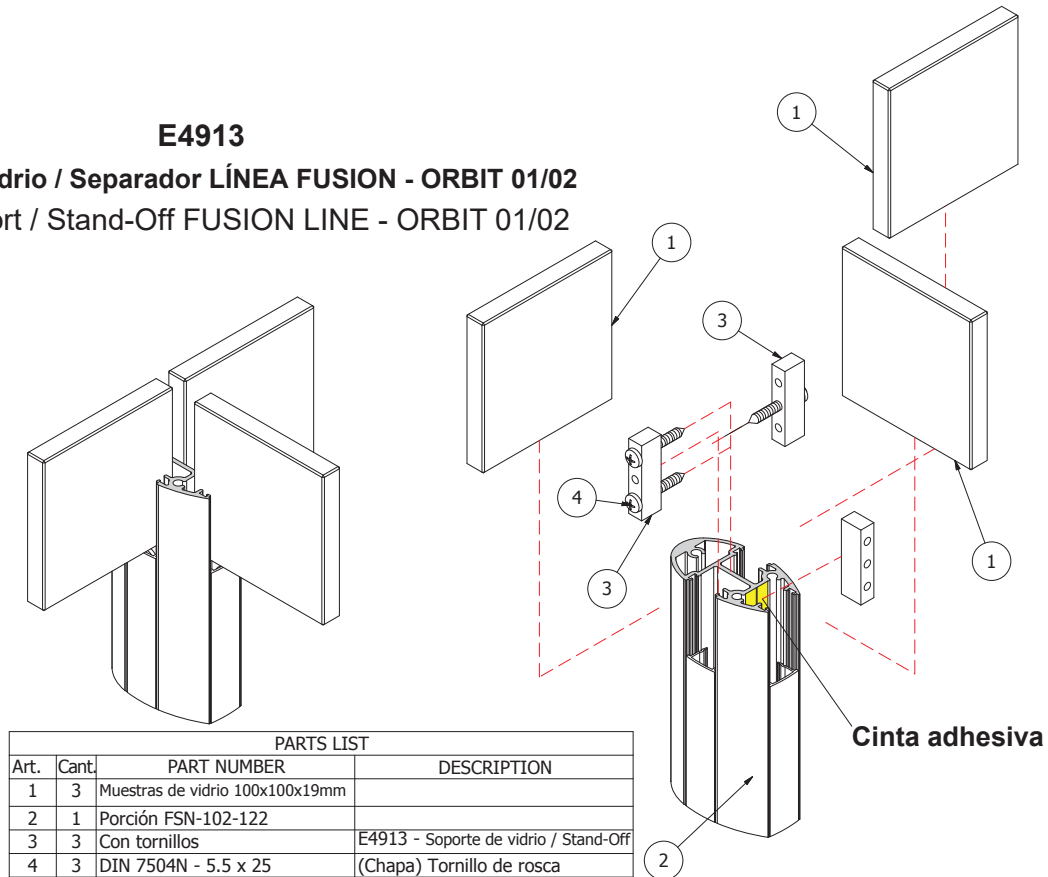
E4716

Otras instrucciones de montaje
Other installation guidelines

Otras pautas de instalación/Other installation guidelines



E4913
Soporte de Vidrio / Separador LÍNEA FUSION - ORBIT 01/02
Glass Support / Stand-Off FUSION LINE - ORBIT 01/02



PARTS LIST			
Art.	Cant.	PART NUMBER	DESCRIPTION
1	3	Muestras de vidrio 100x100x19mm	
2	1	Porción FSN-102-122	
3	3	Con tornillos	E4913 - Soporte de vidrio / Stand-Off
4	3	DIN 7504N - 5.5 x 25	(Chapa) Tornillo de rosca



TORNILLO INOX ALLEN

INOX Allen Screw DIN7991
M10x70

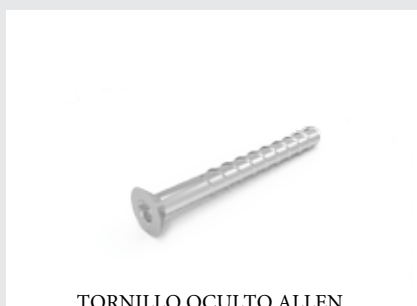
Code **EB7991-1070**



TACO

Expansion plug

Code **EB01M-1040**



TORNILLO OCULTO ALLEN

Allen Torx Concrete Screw

10x120

Code **EBM-10120G/2**



ALUMINCO & PANEL,S.L

**C/ARROYO CULEBRO,S/N NAVE 5
POL.INDUSTRIAL LAS ARENAS DE PINTO
28320, PINTO- MADRID**

EMAIL:info@aluminco-panel.es

www.aluminco.es

TLF: +34 91.692.68.50