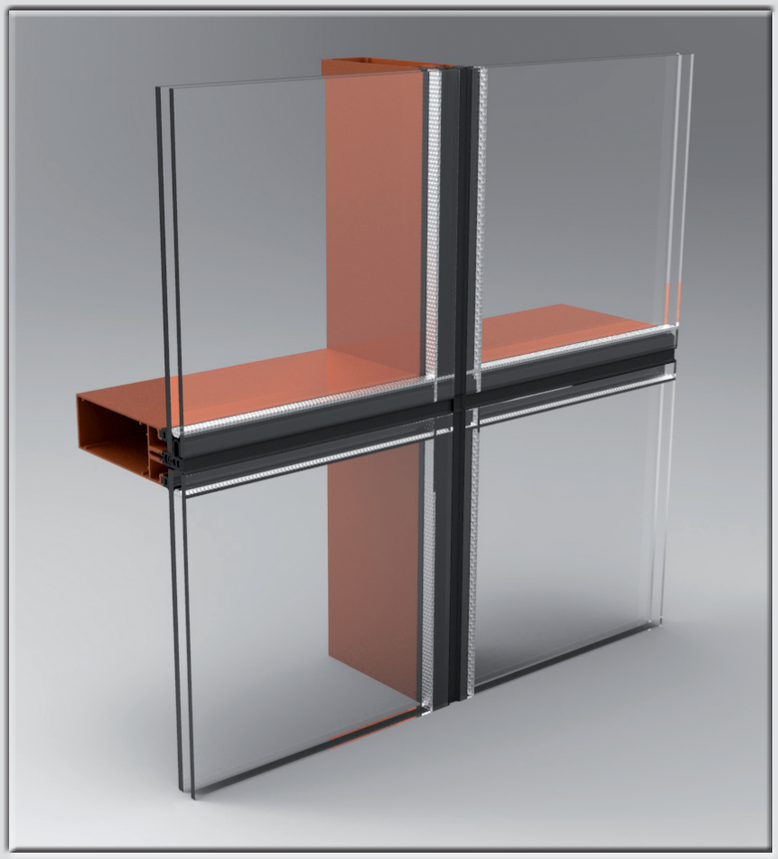
EKOS

INTESISI COLLECTIONS

CATALOGO TECNICO



EKOS WALL 50

HIGH THERMAL PERFORMANCES

SOLUZIONI PER L'ENERGIA
EKOS WINDOWS AND DOORS

Maggio 2015

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DESCRIZIONE DEL SISTEMA

SYSTEM DESCRIPTION

DESCRIPTION DU SYSTÈME

EKOS
ALUMINIUM COLLECTION

DESCRIZIONE DEL SISTEMA

TECHNICAL DESCRIPTION OF THE SYSTEM

System description: Aluminium profiles system, hardware and gaskets for the fabrication of Multiple dersign curtain walls, with and without covers, single and double glass.

Aluminium alloy: EN-AW-6060 (EN 533-3 e EN755-2) HB 65

Alloy treatment: EN 515

Dimensional tollerances: UNI-EN 12020-2

System features and characteristics:

Profile system equipped with sealing gaskets all around the glasses. The trhermal break barrier it is insured by polyamide spacers and rogig EPDM gaskets.
The system it is created to obtain all type of Curtain Walls with and without pressure plates and covers.
The profiles are assembled using apposite die casted T joint with buttons for transoms frontal installation between already positionned mullions.

Thermal performances: please read the It data sheets of this catalogue in order to obtain the correct Uf value of the main sections of each model of window and doors of this system.

System performances: this system have been tested and classified according to norms the european standards and norms EN 14351 -1:2006.
Air : EN 1026-2000 and EN 12207-1999
Water : EN 1027-2000 and EN 12208-1999
Wind : EN 12211-2000 and EN 12210-1999.

Glazing method: With pressure plates or without with structural silican

Glazing and panels gap: Up to 50 mm

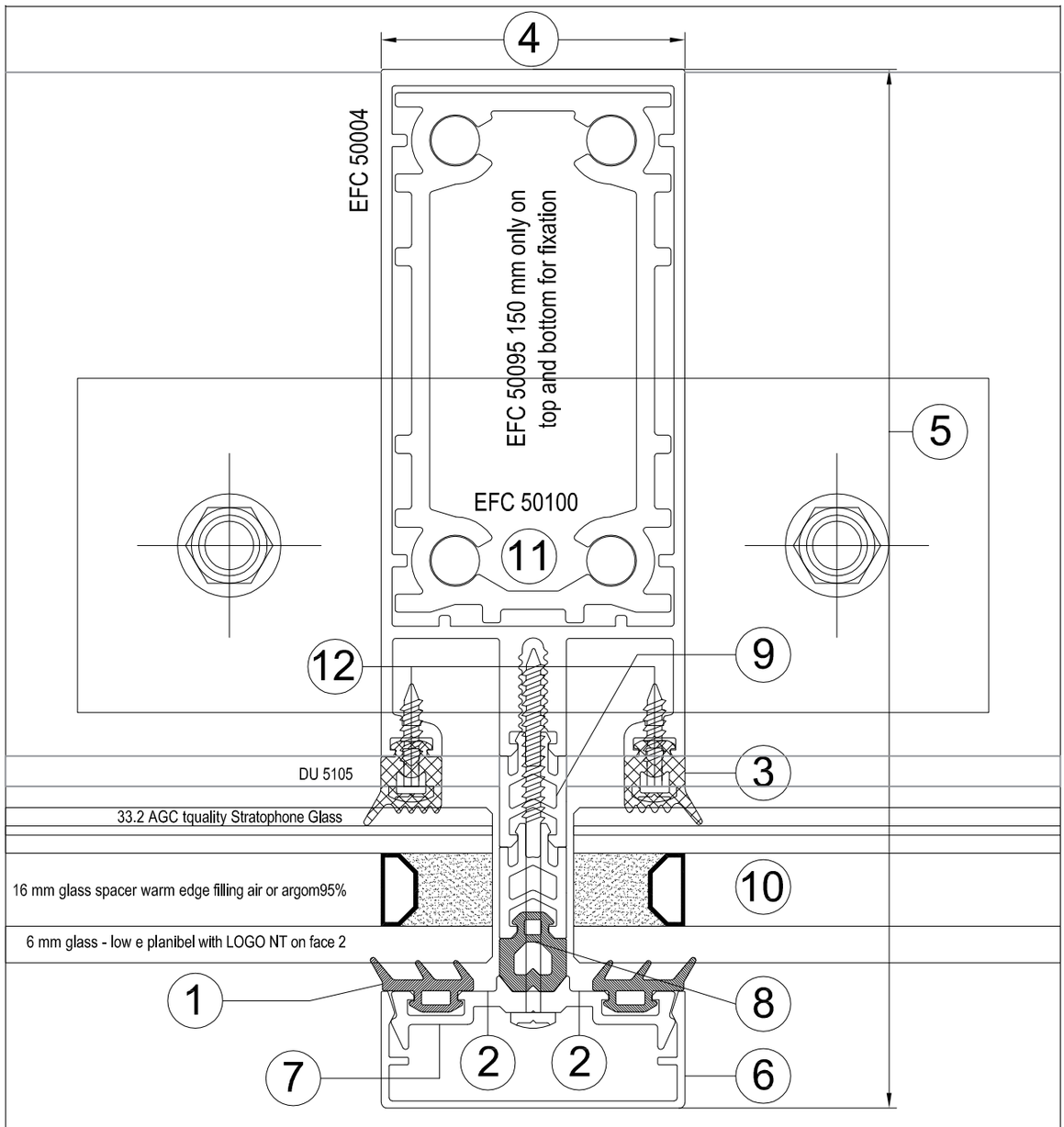
Glazing depth: Up to 20 mm

System dimensions: this system it is composed of mullions profiles of various depths for specifics architectural applications and building solutions, the transoms of the same depth are built in order to obtain coplanar solutions .The standard width of the structure composed of mullions and transoms it is of 50 mm. The system it is completed by specific profiles for all type of glazed solution and shadders application. The profiles are based on 5 mm of overlap between mullions and transoms, obtained with the application of a profile on transoms. For all detail and specific application please consult the section NS of this catalogue about the various curtain walls model sections.

Field of application: the system have been created and studied to be apply on private buildings as well on public buildings and high rise towers. The Profiles are studied in order to obtain the required and appropriate inertia values for 6-7 meter of height.

Design features: the system it is composed of various design solutions including all types of projecting windows and others openings. The external lines are lightly rounded confering to the profiles a good design and equilibrate sections. The system it is design in oder to insure good performances and have at the same time a modern style. The system allow the installation of thermal break casement and sliding systems. Customize solutions are also studied for particular building and architectural requirements.

DESCRIZIONE DEL SISTEMA



1 OUTER SEALING GASKET IN EPDM
JOINT PARCLOSE EXTERIEUR EN EPDM
GUARNIZIONE F.V. ESTERNA IN EPDM

2 DRAINAGE
DRAINAGE DES EAUX
DRENAGGIO

3 INNER ACOUSTICAL GASKET IN EPDM
JOINT ACOUSTIQUE EN FEULLUIRE INT. EN EPDM
GUARNIZIONE INTERNA IN EPDM

4 MULLION
MENEAU
MONTANTE

5 STRUCTURE DEPTH
PROFONDEUR DE LA STRUCTURE
PROFONDITA' DELLA STRUTTURA

6 OUTER COVER
CAPOT EXTERIEUR
COPERTINA ESTERNA

7 GLASS STOP
PRESSEUR
PRESSORE

8 INNER CENTRAL GASKET IN EPDM
JOINT CENTRALE EN EPDM
GUARNIZIONE CENTRALE

9 POLYAMIDE
POLYAMIDE
POLIAMMIDE

10 DOUBLE GLAZING
VITRAGE DOUBLE
VETROCAMERA

11 REINFORCEMENT ROOM
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12 TRANSOMS SCREWS
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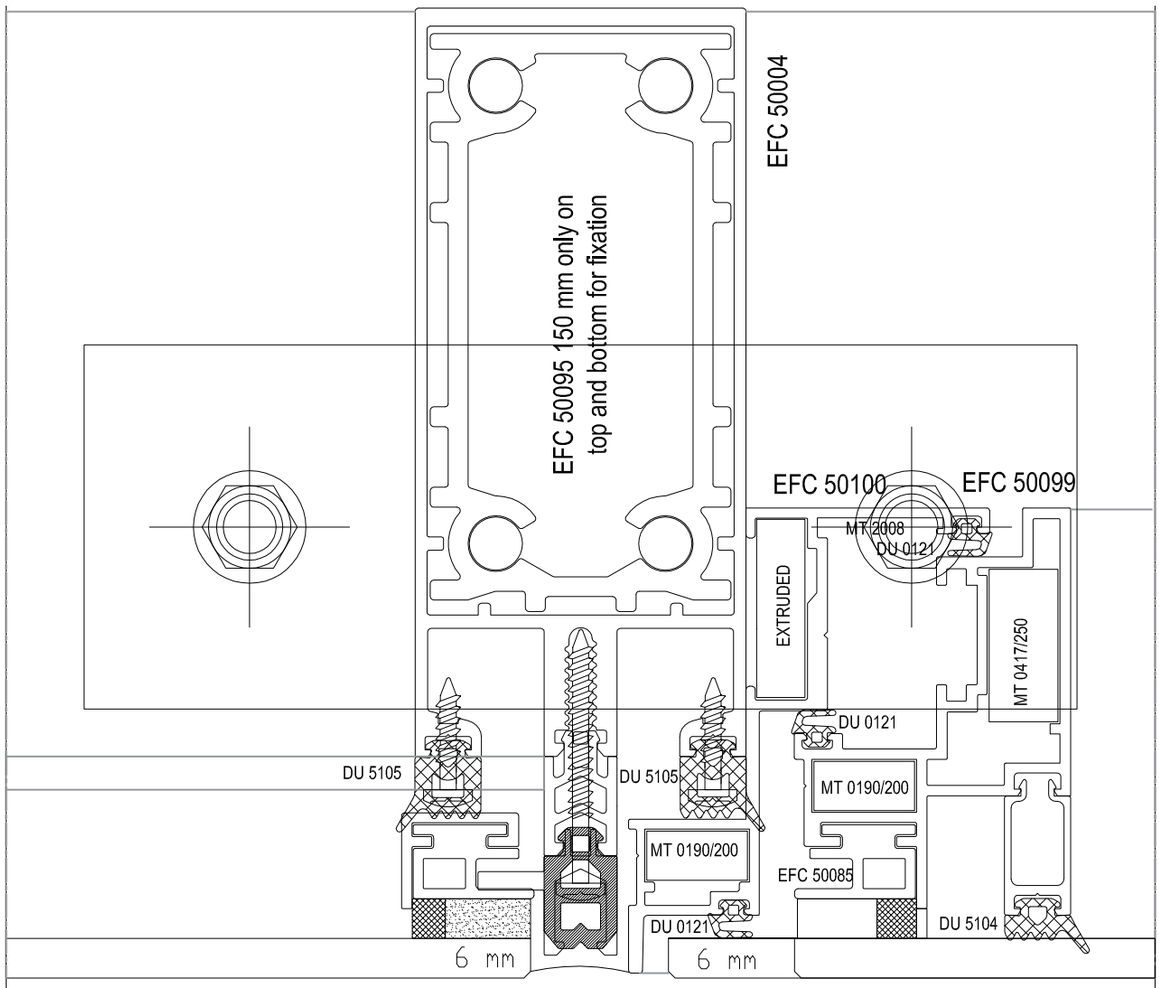
DESCRIZIONE DEL SISTEMA



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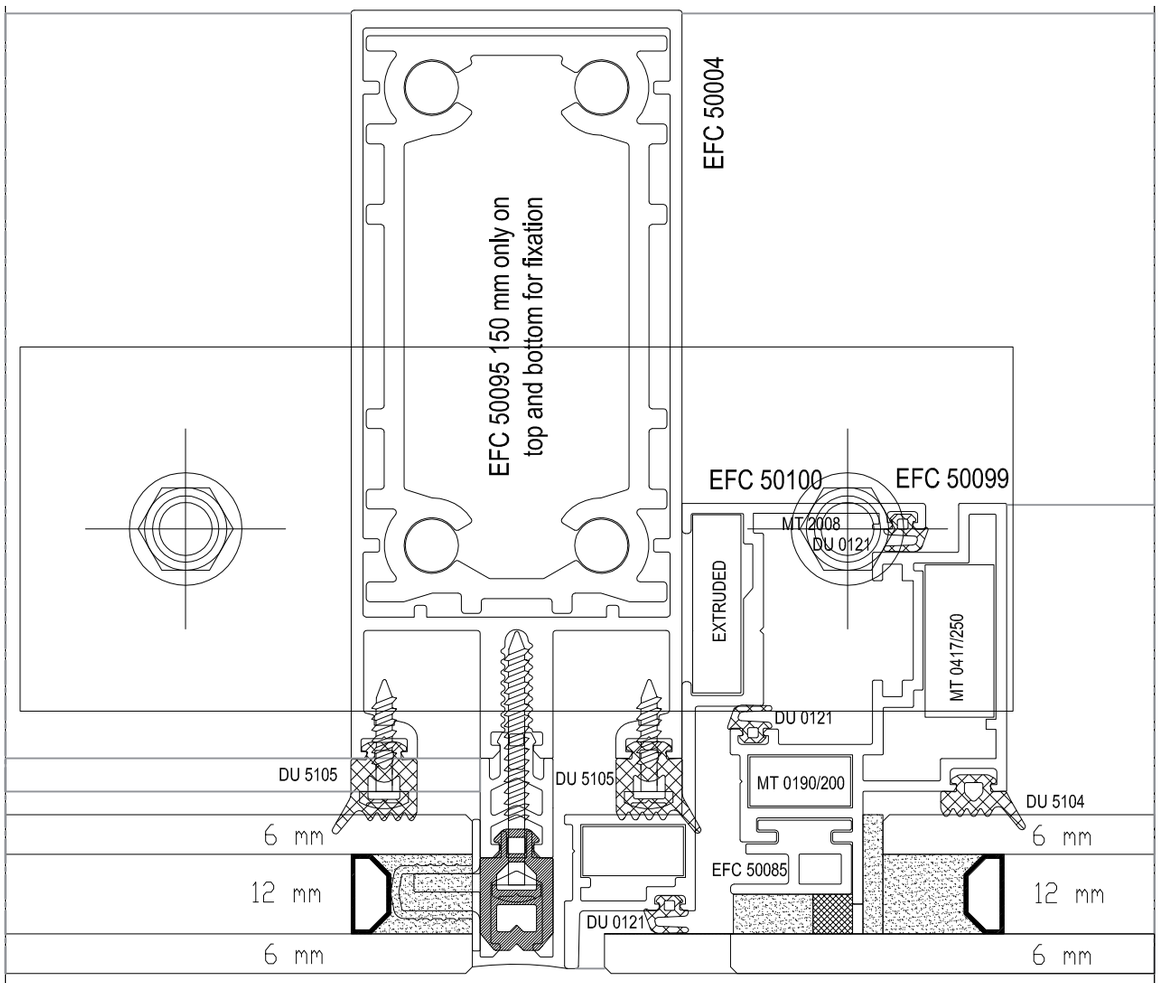

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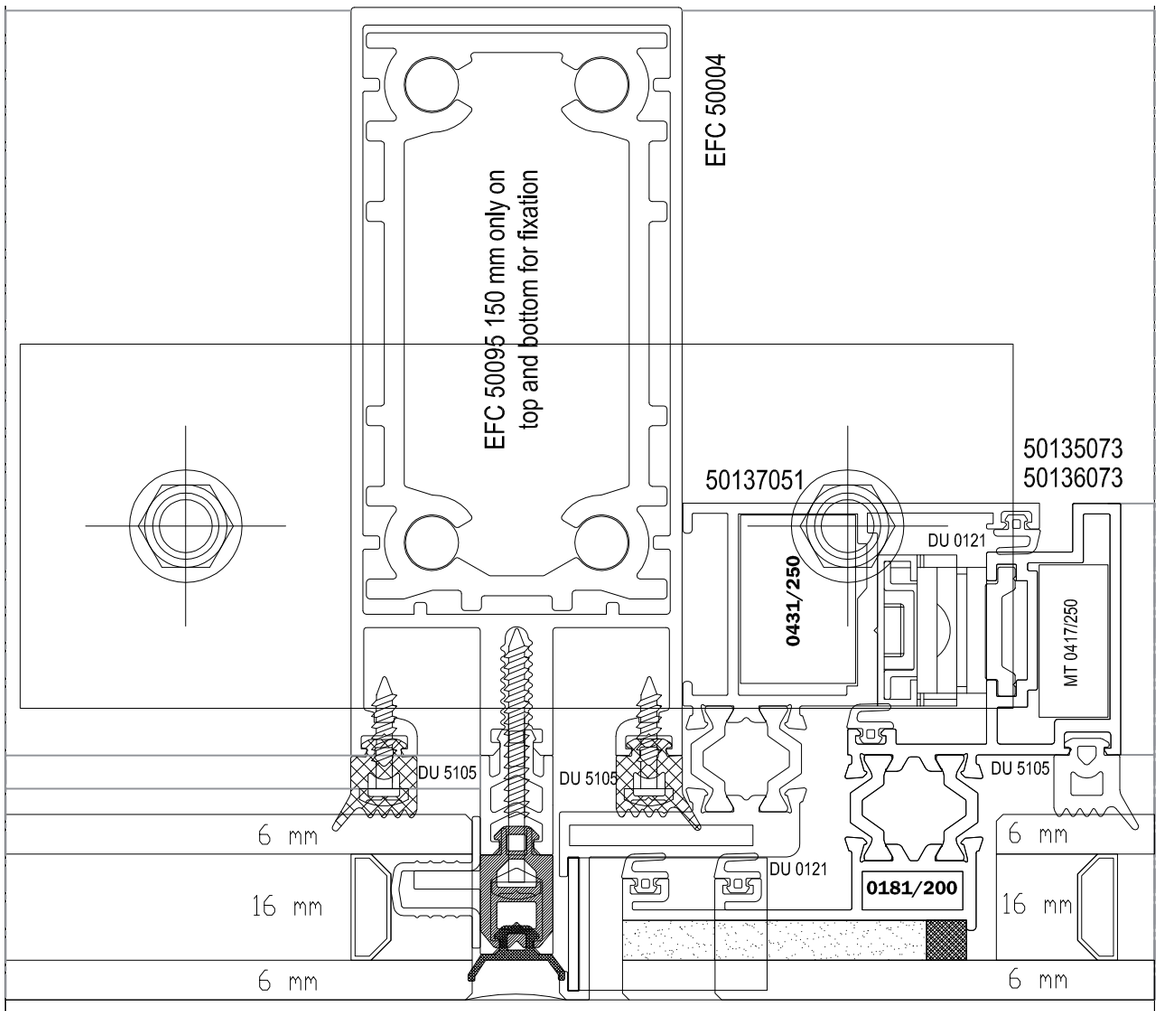

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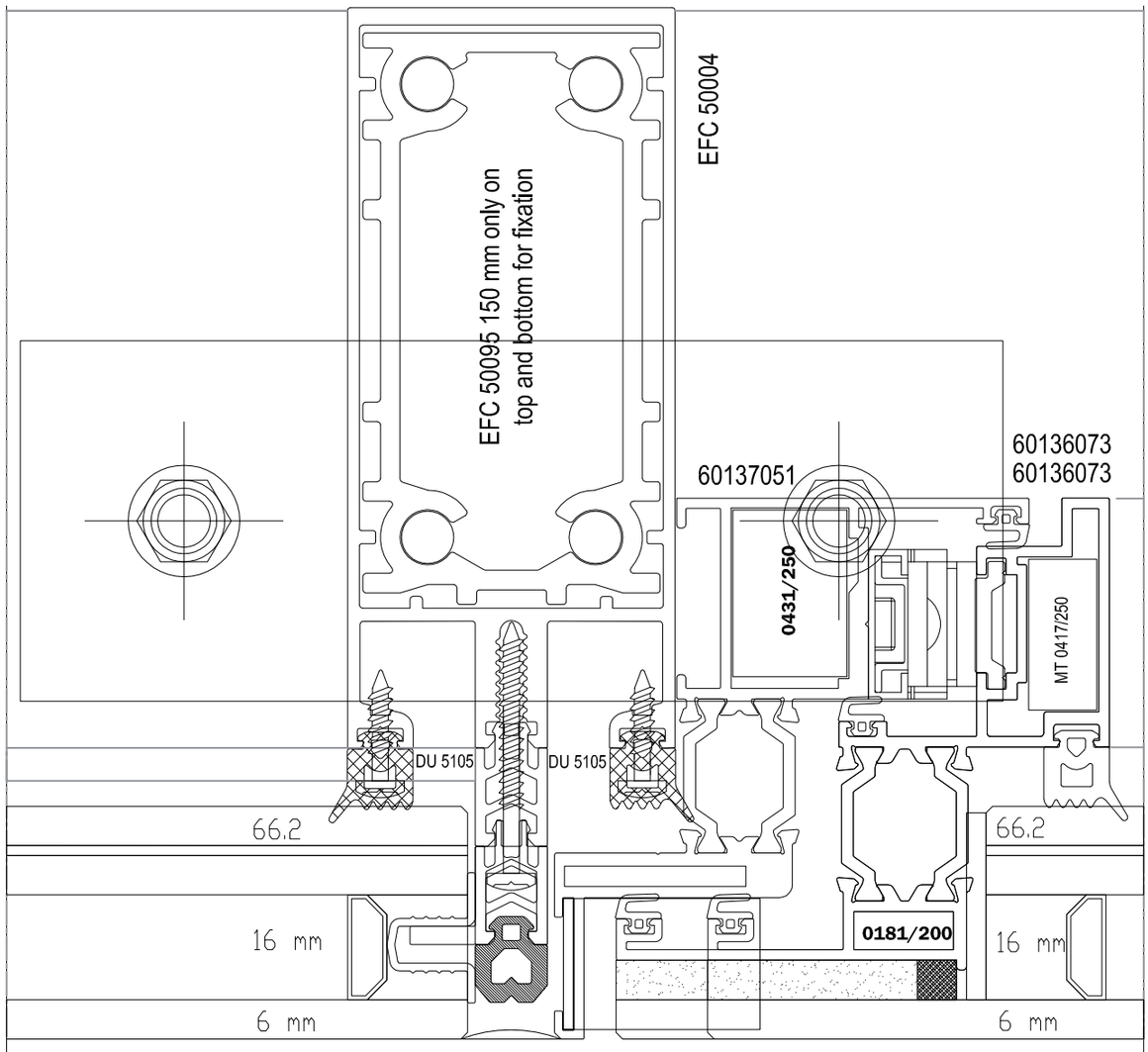

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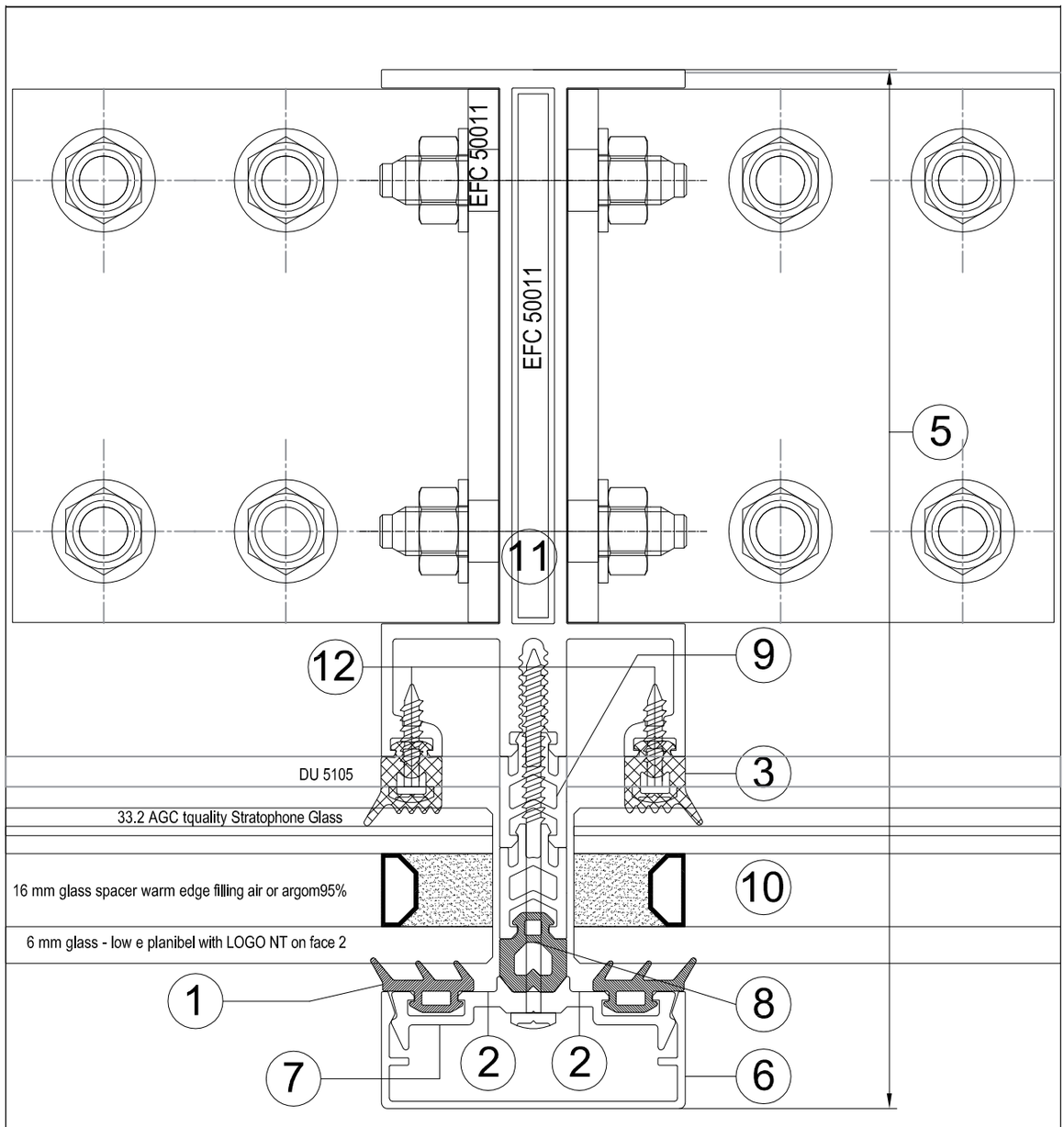

1 OUTER SEALING GASKET IN EPDM
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GUARNIZIONE F.V. ESTERNA IN EPDM

2 DRAINAGE
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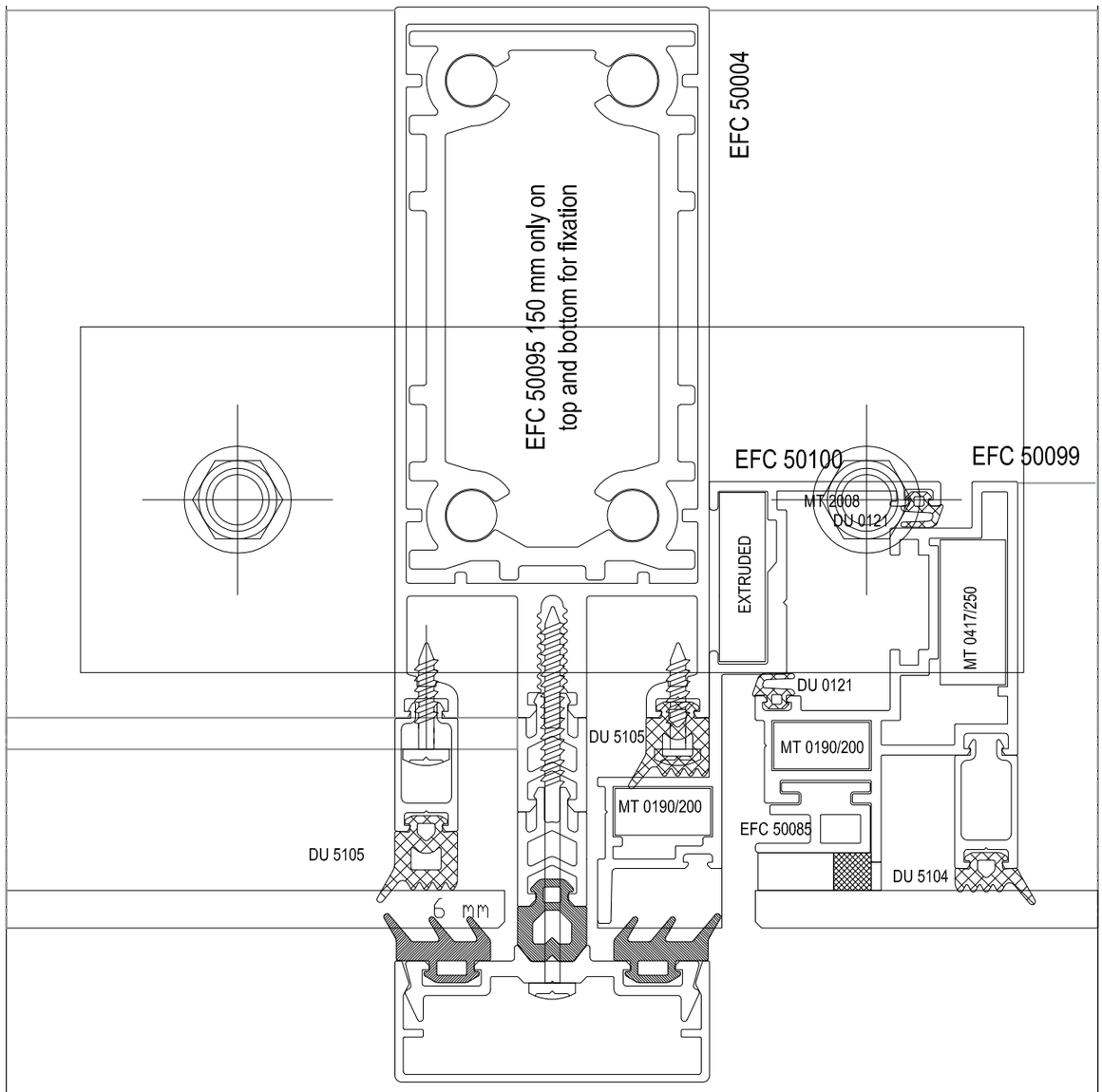

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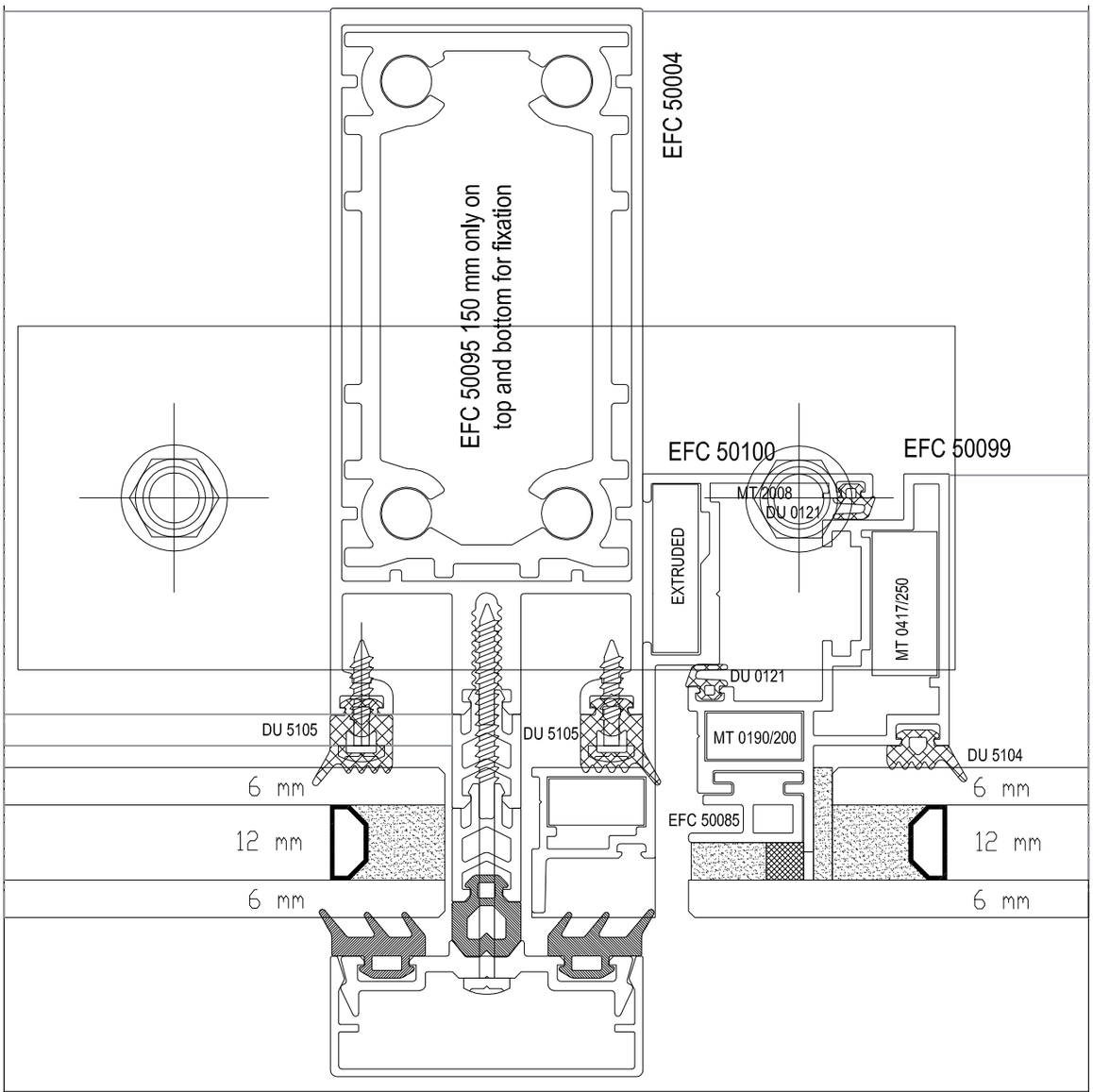

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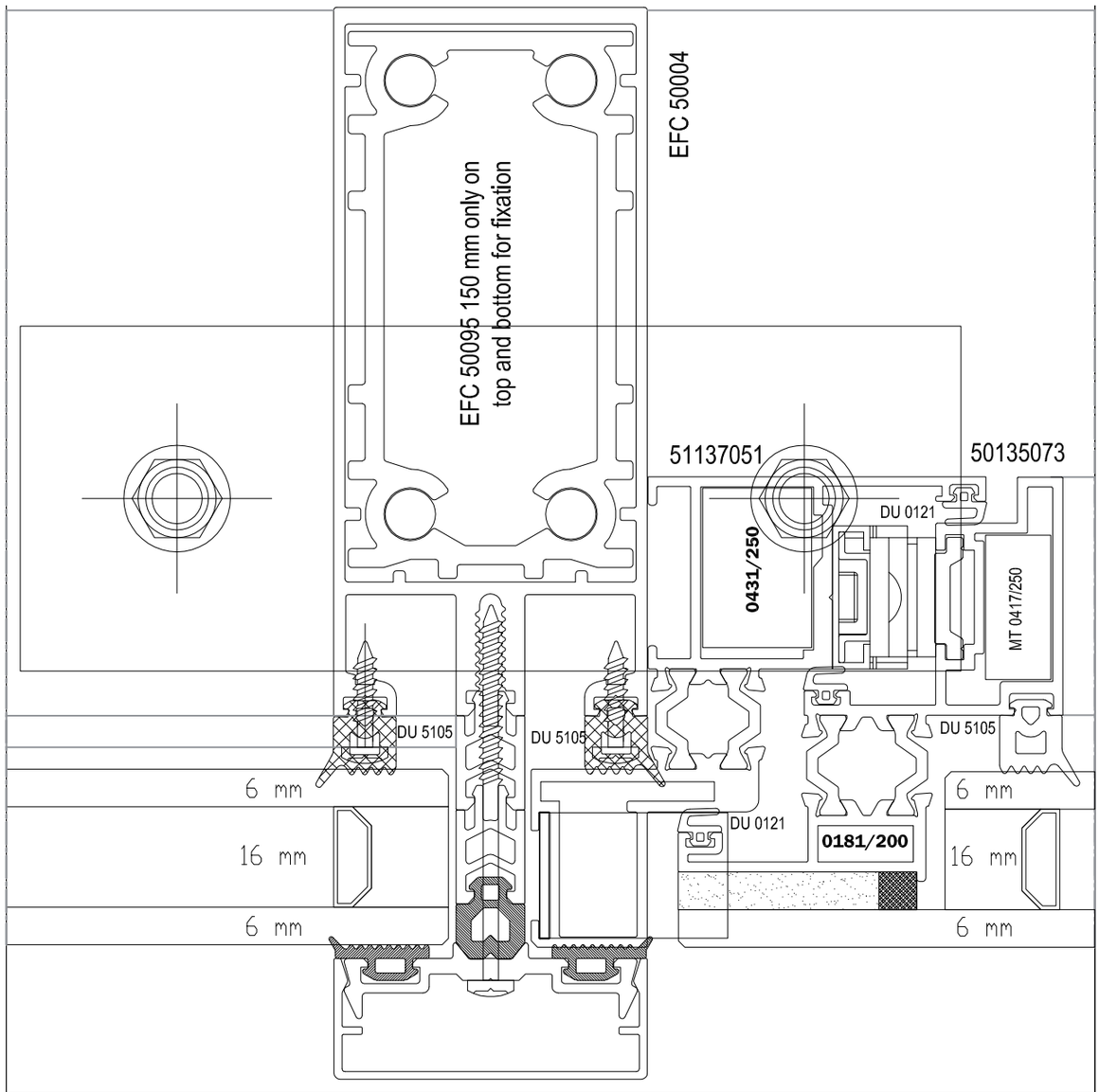

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GUARNIZIONE F.V. ESTERNA IN EPDM

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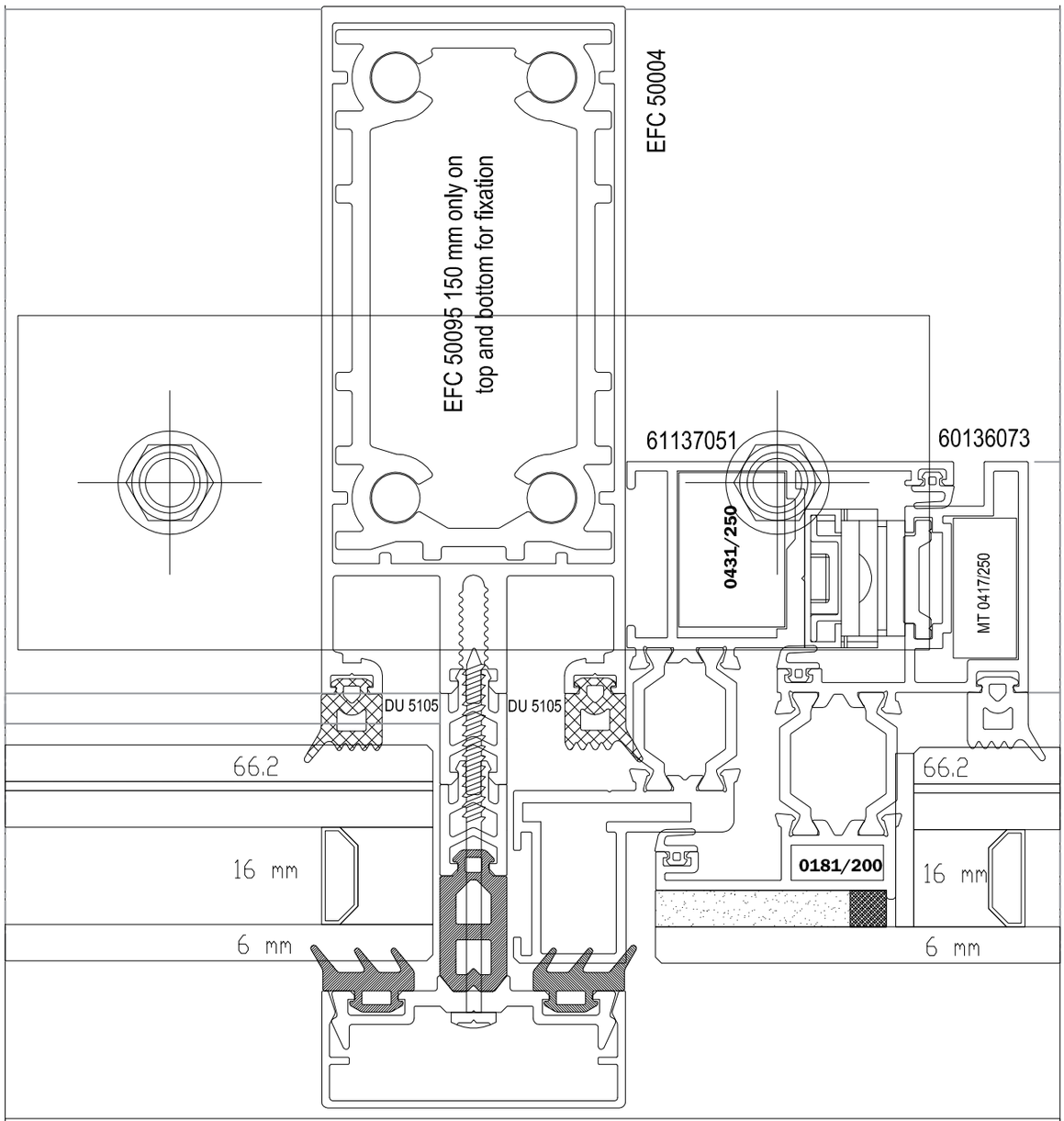

1 OUTER SEALING GASKET IN EPDM
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PRESSEUR
PRESSORE

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TP PROFILATI

CAPITOLATI TECNICI

TENDERS SPECIFICATIONS

CHAIERS DES CHARGES

EKOS
ALUMINIUM COLLECTION

CAPITOLATI TECNICI

Materials:
Extruded aluminium collection for Thermal break Curtain wall.
The profiles extruded against our exclusive aluminium design conception, in alluminium alloy EN AW - 6063 (EN 573-3 e E755-2), phisical state and treatement according to EN 515. The alloys conform to the ASTM and BS norms
The Phisical state and the owen treatments of the profles correspond to the class TA - T5. The profiles are conform to the dimensional tolerances according to the norm EN 12020-2.

ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	**Variable Design**
STRUCTURE WIDTH:	**50 mm**
SEALING:	**BY GASKETS**
THERMAL BREAK:	**RIGID EPDM GASKETS**
ACCESSORIES:	**PROJECTING ARMS**
GLAZING:	**4 - 36 mm**
ALUMINIUM ALLOY	**AA 6063 T5**

System relevant information:
- Thermal Break Aluminium System for Curtain walls
- Glazing depth: from 4 mm up to 50 mm
- Profiles Depth: Up to 188 mm
- Profiles Design: For all type of Architectural solutions
- Sealing : By double gaskets on the interlock.
- Latching : Simple or/and multipoints.
- Hardware: Based on European accesories gap.
- Glazing Gap: From 4 mm Up to 50 mm
- Dimensions: Structure based on 50 mm width
- Models: All type of Curtain walls - Stick system

Surface Treatment:
All the surface treatment are conform to the quality lables QUALICOAT for Podwer Coating and QUALANOD for anodization.
Anodizing we guarantee the minimium thickness of 15 micron up to 25 microns according to international norms.
The powder coating is done with thermosetting and Polyesters Polymeric powders, the profiles are finished into special coating owens, where the powders reach the rigth hardness trought a heat treatment.

Surface treatment resistance:
The surface treatment done according to QUALANOAD and QUALICOAT Quality labels shall be guarantee against corrosion and surface aging degradacion for a period of 5-10 years. The surface treatments shall resist to normal and marine exposition without been effected by corrosion or loss of shiness. The most relevant factors influencing the surface treatment life lasting are the direct exposure to chemicals. The direct exposure in the front of the sea and/or salty water it may reduce the life lasting of the components. The exposure to heavy pollued environment may cause also problems. A regular cleaning with Ph neutral water and soaps increase the components life.

Safety:
In order to prevent injuries or/an accidents the wndows and doors are to be installed as displyed into this catalogue, anchoring the components to the building and using original only accessories. The fixing should be made according to the National norms for security and safety use.

Glazing and panels specifications:
Glazing should be mounted according to the catalogue drawings and selectd in accordance to the performances required in consideration of LOGO saving, safety, acustic and solar radiation factors. These performances are depending on the type of glass installed. The glass mounted shall be conform to the national norms for glazing.

Gaskets:
The gaskets used during assembling and installing the components should be only the ones created for this system and displyed in this product catalogue. The use of other gaskets or/and brushes it may cause functional and design problems. The gaskets used should be conform to the national norms for windows and doors safety applications, do not release toxic smokes in case of fire and insure the performances during all the component life lasting.

Sealing products:
All the sealing products employed during the fabrication of the components and installing the components on the building are to be conform to the specif uses for aluminium profiles and its surface treatments. Sealing products should be PH neutral and specifically studied do not start any chemical or/and corrosive reaction with the windows and doors components, accessories, gaskets and surface treatments.

Accessories:
All the accessories used for the manifacturing, mounting, functioning and installation of this system are specifically studied for this system in order to insure performances and a correct functionning of the models. The use of others accessories differents from the ones displayed in this catalogue it may effect or/and make dangerous the functionning of the component. Only the accessories studied for this system are the ones to be used.

Acustic performances:
The Acustical performances of the Windows and doors are depending on the correct mounting of all accessories and gaskets according to the catalogue specifications. The performances that you will obatain depend on various factors.
The nature of the sound, the distance of the component from the noise origin and the orientation of diffusion of the noise. The factor influencing the final performances of the window are the sound performances of the glass and the air permeability window's classification. In general to have an approsimate idea of the final performances of the components from the Certified Insulating Power expressed in dB (decibel) of the glass, you should subtract from 8 to 2 devibels (8-5-2) 8 db for the lowest classification, 5 db for a medium performance to the air and only 2 db in case the window is classified to the top performances for air permeability. Only Laboratory tests will provide you in all the case a scientific and trustable classification.

CAPITOLATI TECNICI

Thermal performances:
The Thermal performancences of the window are determinated by the Uf (Profile Thermal value), the Ug (glass thermal value) and by the surfaces of the frames (Af) and glass surface (Ag). The choice of the windows thermal performances are depending on the building code requirements and on the results on terms of LOGO saving that you need to obtain. The Thermal performances of all the windows (Uw) are to be calculated using the following approssimated formula:
Uw = (Ag Ug + Af Uf + Lg Yl) / (Ag + Af).

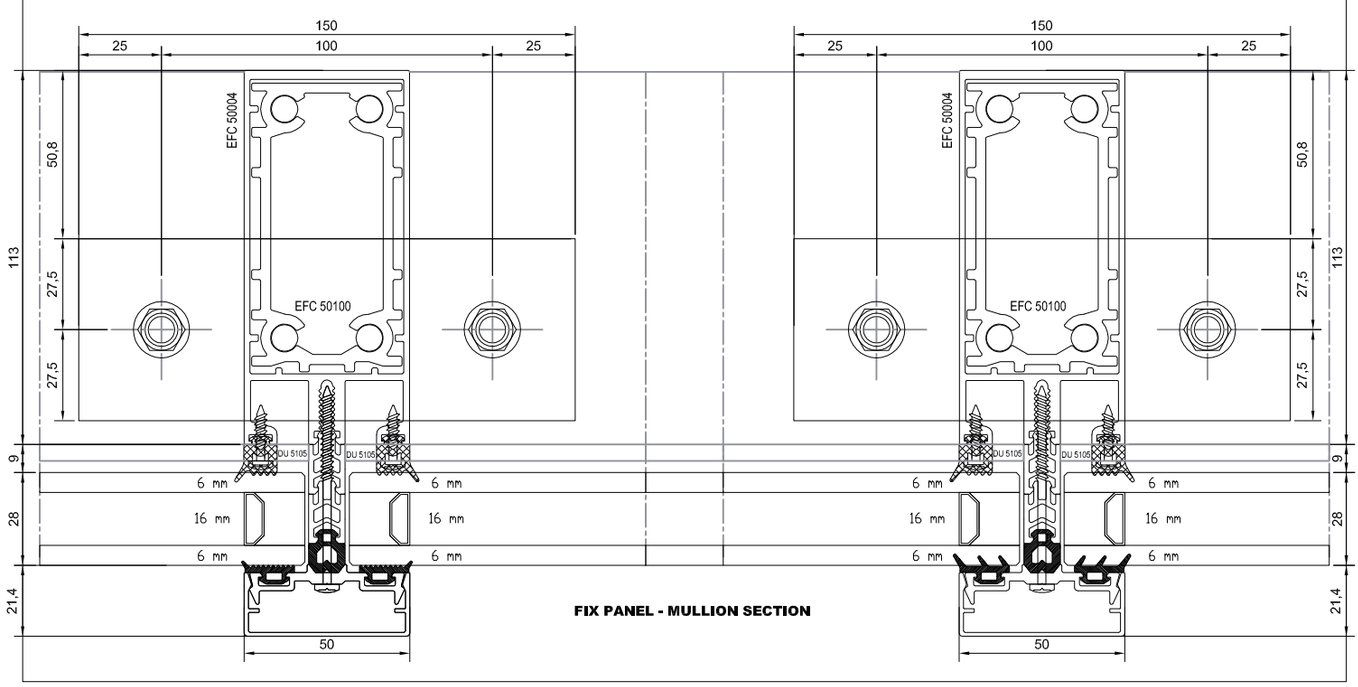
Mechanical strenght:
The Aluminium System and all accessories should resist to the standard loading methods of testing for windows and doors according to the national norms and codes. The method of testing is described into the norms.

Cleaning and maintenace:
In order to maintain the components and increase the life lasting of the windows and doors and preserve the surface treatments it is required a regular and periodic cleaning. All the cleaning products are to be Ph neautral, in general good water and a netrual soap are the products to be used for the cleaning. Avoid please all products cointaining chemicals that are not tested or well identifiable, that may produce corrosive actions expecially on the surface treatments, on gaskets and also on the glass. Drive your cleaning with soft sponges, inside and outside of the window. Remouve first with only by water spraying all eventual dusts and others abrasives before to proceed with sponges and soap. Remove the soap with clean water.

Certificates and testing:
The certificates and the tests are to be obtain by the windows producer or/and the windows makers. The windows are to be mounted and fabricated following all the instructions contained into this catalogue. The performances can be obtained only by following these instructions and operating a correct registration of all the hardwares parts. To obtain the same performances installing the product on the building a correct verification and regulation of the hardware it is required.
The Windows and doors should result to be tested according to the national norms for windows ad doors testing. The performances and the method of testing are described into the norms and building codes issued by the competent authorities.

CURTAIN WALL 50
Stick wall

OUTWARD OPENING - MULLION SECTION

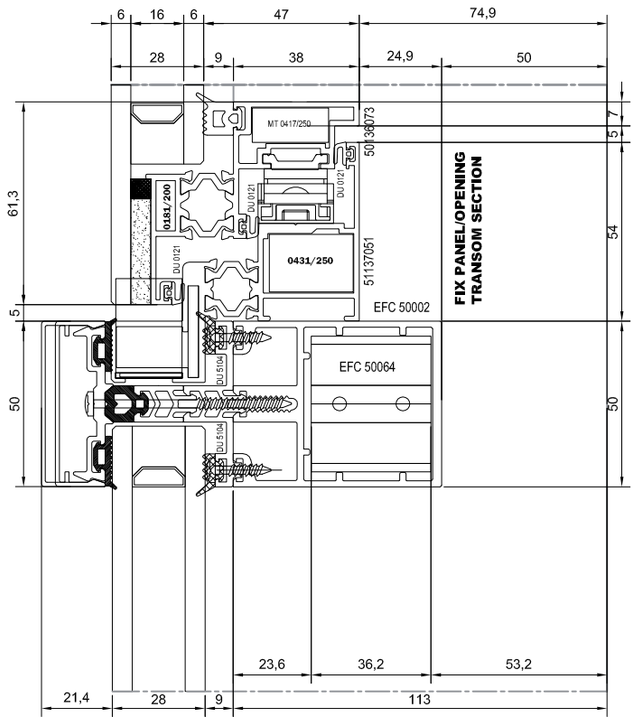


FIX PANEL - MULLION SECTION

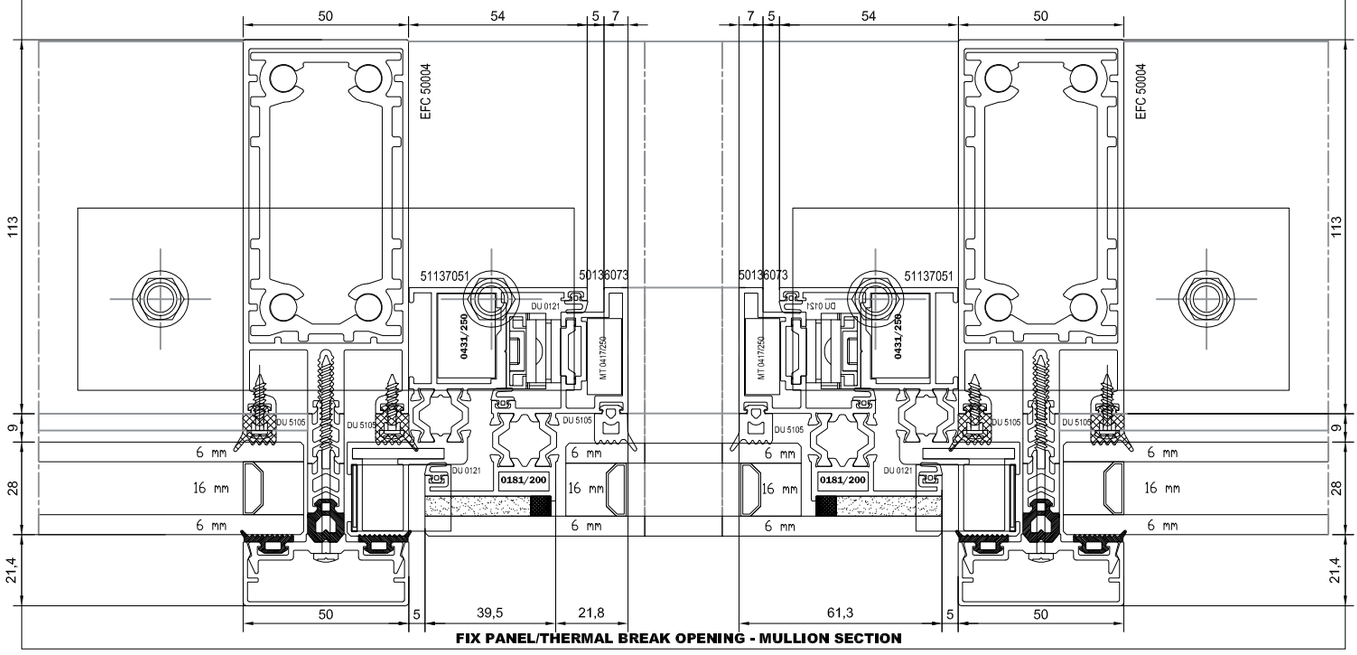
CAPITOLATI TECNICI

CURTAIN WALL 50
Stick wall

SPAZIO RISERVATO A
ILLUSTRAZIONI 3D



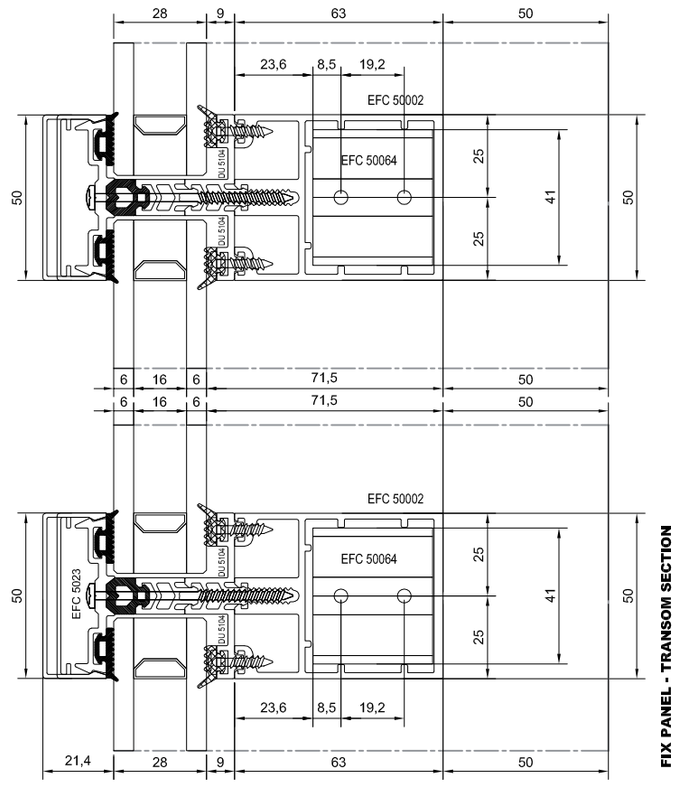
ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	**Variable Design**
STRUCTURE WIDTH:	**50 mm**
SEALING:	**BY GASKETS**
THERMAL BREAK:	**RIGID EPDM GASKETS**
ACCESSORIES:	**PROJECTING ARMS**
GLAZING:	**4 - 36 mm**
ALUMINIUM ALLOY	**AA 6063 T5**



FIX PANEL/THERMAL BREAK OPENING - MULLION SECTION

CAPITOLATI TECNICI

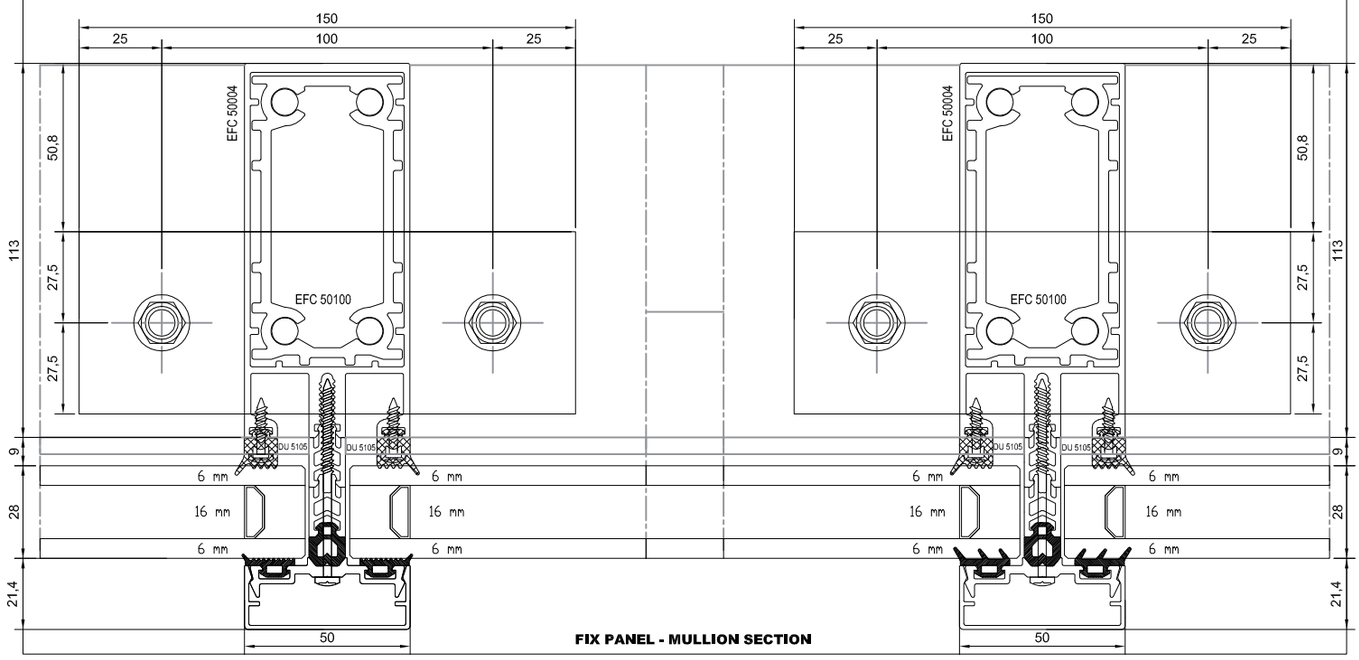
CURTAIN WALL 50
Stick wall



FIX PANEL - TRANSOM SECTION

SPAZIO RISERVATO A
ILLUSTRAZIONI 3D

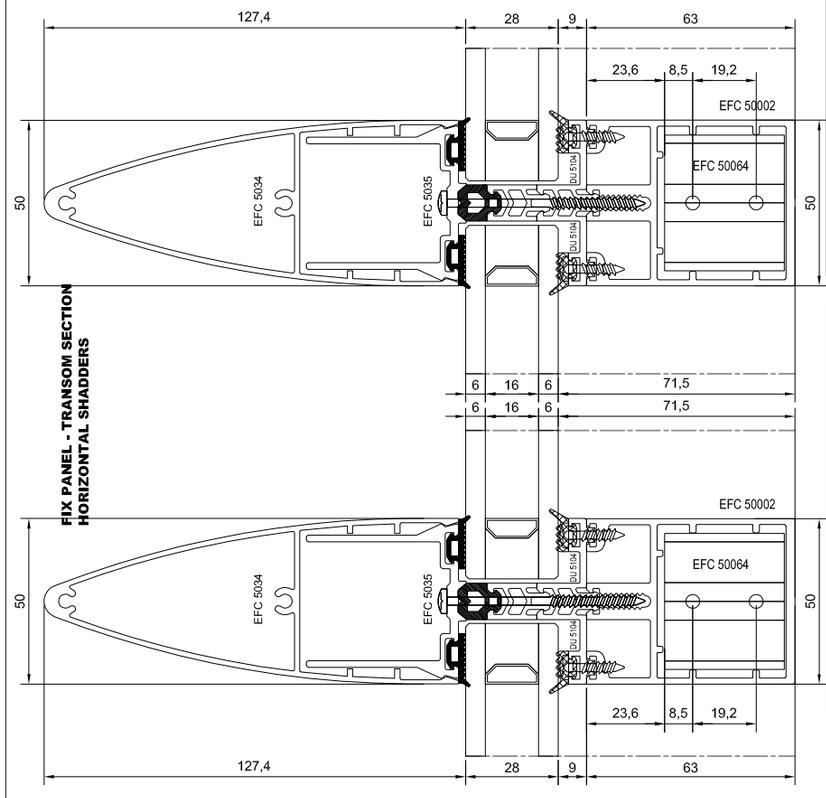
ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	Variable Design
STRUCTURE WIDTH:	50 mm
SEALING:	BY GASKETS
THERMAL BREAK:	RIGID EPDM GASKETS
ACCESSORIES:	PROJECTING ARMS
GLAZING:	4 - 36 mm
ALUMINIUM ALLOY	AA 6063 T5



FIX PANEL - MULLION SECTION

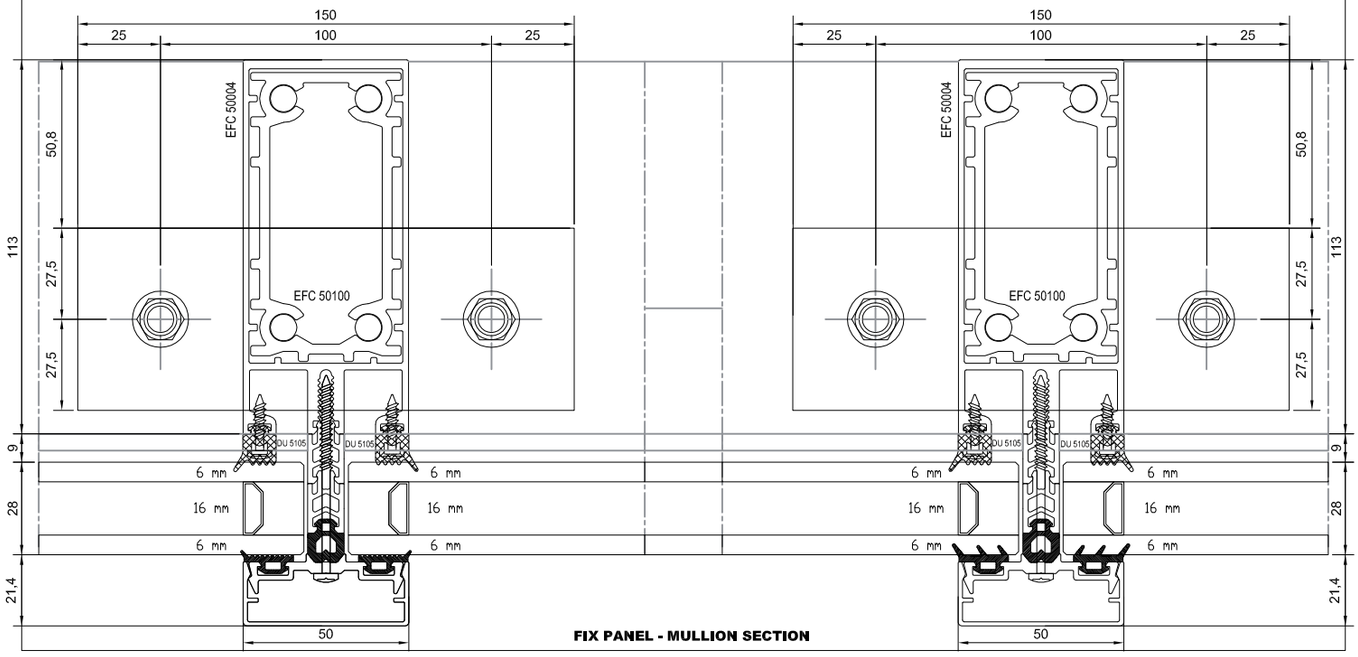
CAPITOLATI TECNICI

CURTAIN WALL 50
Stick wall



SPAZIO RISERVATO A ILLUSTRAZIONI 3D

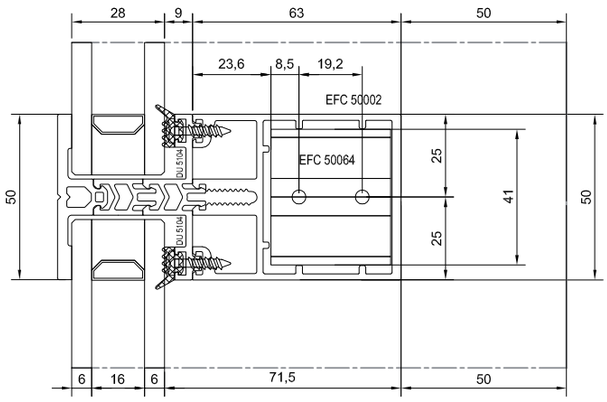
ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	Variable Design
STRUCTURE WIDTH:	50 mm
SEALING:	BY GASKETS
THERMAL BREAK:	RIGID EPDM GASKETS
ACCESSORIES:	PROJECTING ARMS
GLAZING:	4 - 36 mm
ALUMINIUM ALLOY	AA 6063 T5



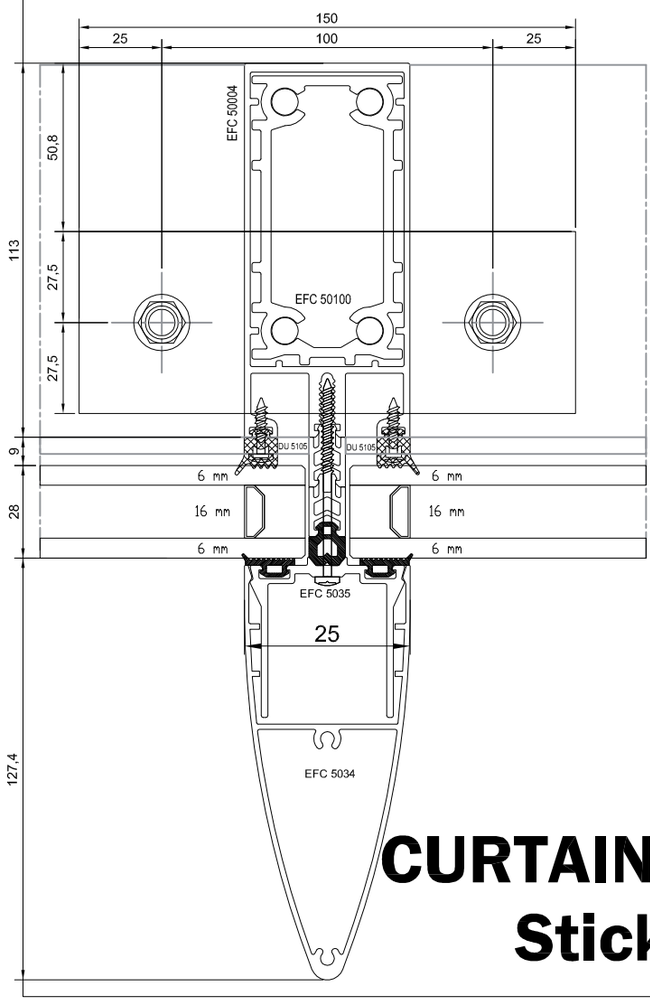
FIX PANEL - MULLION SECTION

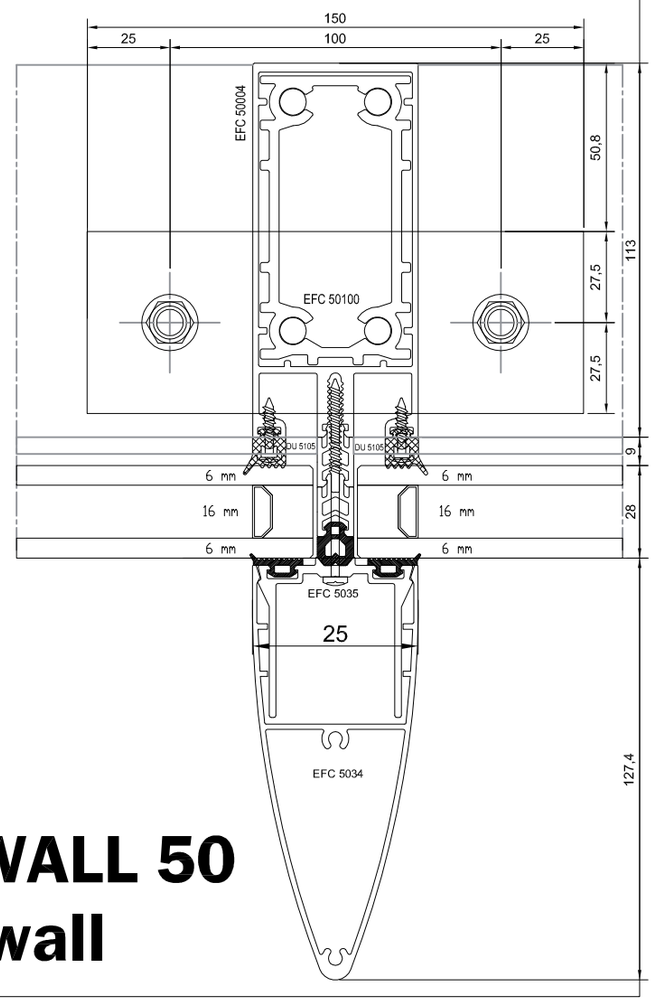
CAPITOLATI TECNICI

CURTAIN WALL 50
Stick wall



ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	Variable Design
STRUCTURE WIDTH:	50 mm
SEALING:	BY GASKETS
THERMAL BREAK:	RIGID EPDM GASKETS
ACCESSORIES:	PROJECTING ARMS
GLAZING:	4 - 36 mm
ALUMINIUM ALLOY	AA 6063 T5





CURTAIN WALL 50
Stick wall

CAPITOLATI TECNICI

Materials:
Extruded aluminium collection for Thermal break Curtain wall.
The profiles extruded against our exclusive aluminium design conception, in alluminium alloy EN AW - 6063 (EN 573-3 e E755-2), phisical state and treatement according to EN 515. The alloys conform to the ASTM and BS norms
The Phisical state and the owen treatments of the profles correspond to the class TA - T5. The profiles are conform to the dimensional tolerances according to the norm EN 12020-2.

ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	**Variable Design**
STRUCTURE WIDTH:	**50 mm**
SEALING:	**BY GASKETS**
THERMAL BREAK:	**RIGID EPDM GASKETS**
ACCESSORIES:	**PROJECTING ARMS**
GLAZING:	**4 - 20 mm**
ALUMINIUM ALLOY	**AA 6063 T5**

System relevant information:
- Thermal Break Aluminium System for Curtain walls
- Glazing depth: from 4 mm up to 20 mm
- Profiles Depth: Up to 188 mm
- Profiles Design: For all type of Architectural solutions
- Sealing : By double gaskets on the interlock.
- Latching : Simple or/and multipoints.
- Hardware: Based on European accesories gap.
- Glazing Gap: From 4 mm Up to 50 mm
- Dimensions: Structure based on 50 mm width
- Models: All type of Curtain walls - Stick system

Surface Treatment:
All the surface treatment are conform to the quality lables QUALICOAT for Podwer Coating and QUALANOD for anodization.
Anodizing we guarantee the minimium thickness of 15 micron up to 25 microns according to international norms.
The powder coating is done with thermosetting and Polyesters Polymeric powders, the profiles are finished into special coating owens, where the powders reach the rigth hardness trought a heat treatment.

Surface treatment resistance:
The surface treatment done according to QUALANOAD and QUALICOAT Quality labels shall be guarantee against corrosion and surface aging degradacion for a period of 5-10 years. The surface treatments shall resist to normal and marine exposition without been effected by corrosion or loss of shiness. The most relevant factors influencing the surface treatment life lasting are the direct exposure to chemicals. The direct exposure in the front of the sea and/or salty water it may reduce the life lasting of the components. The exposure to heavy pollued environment may cause also problems. A regular cleaning with Ph neutral water and soaps increase the components life.

SPAZIO RISERVATO A ILLUSTRAZIONI 3D

Safety:
In order to prevent injuries or/an accidents the wndows and doors are to be installed as displyed into this catalogue, anchoring the components to the building and using original only accessories. The fixing should be made according to the National norms for security and safety use.

Glazing and panels specifications:
Glazing should be mounted according to the catalogue drawings and selectd in accordance to the performances required in consideration of LOGO saving, safety, acustic and solar radiation factors. These performances are depending on the type of glass installed. The glass mounted shall be conform to the national norms for glazing.

Gaskets:
The gaskets used during assembling and installing the components should be only the ones created for this system and displyed in this product catalogue. The use of other gaskets or/and brushes it may cause functional and design problems. The gaskets used should be conform to the national norms for windows and doors safety applications, do not release toxic smokes in case of fire and insure the performances during all the component life lasting.

Sealing products:
All the sealing products employed during the fabrication of the components and installing the components on the building are to be conform to the specif uses for aluminium profiles and its surface treatments. Sealing products should be PH neutral and specifically studied do not start any chemical or/and corrosive reaction with the windows and doors components, accessories, gaskets and surface treatments.

Accessorles:
All the accessories used for the manifacturing, mounting, functioning and installation of this system are specifically studied for this system in order to insure performances and a correct functionning of the models. The use of others accessories differents from the ones displayed in this catalogue it may effect or/and make dangerous the functionning of the component. Only the accessories studied for this system are the ones to be used.

Acustlc performances:
The Acustical performances of the Windows and doors are depending on the correct mounting of all accessories and gaskets according to the catalogue specifications. The performances that you will obatain depend on various factors.
The nature of the sound, the distance of the component from the noise origin and the orientation of diffusion of the noise. The factor influencing the final performances of the window are the sound performances of the glass and the air permeability window's classification. In general to have an approsimate idea of the final performances of the components from the Certified Insulating Power expressed in dB (decibel) of the glass, you should subtract from 8 to 2 devibels (8-5-2) 8 db for the lowest classification, 5 db for a medium performance to the air and only 2 db in case the window is classified to the top performances for air permeability. Only Laboratory tests will provide you in all the case a scientific and trustable classification.

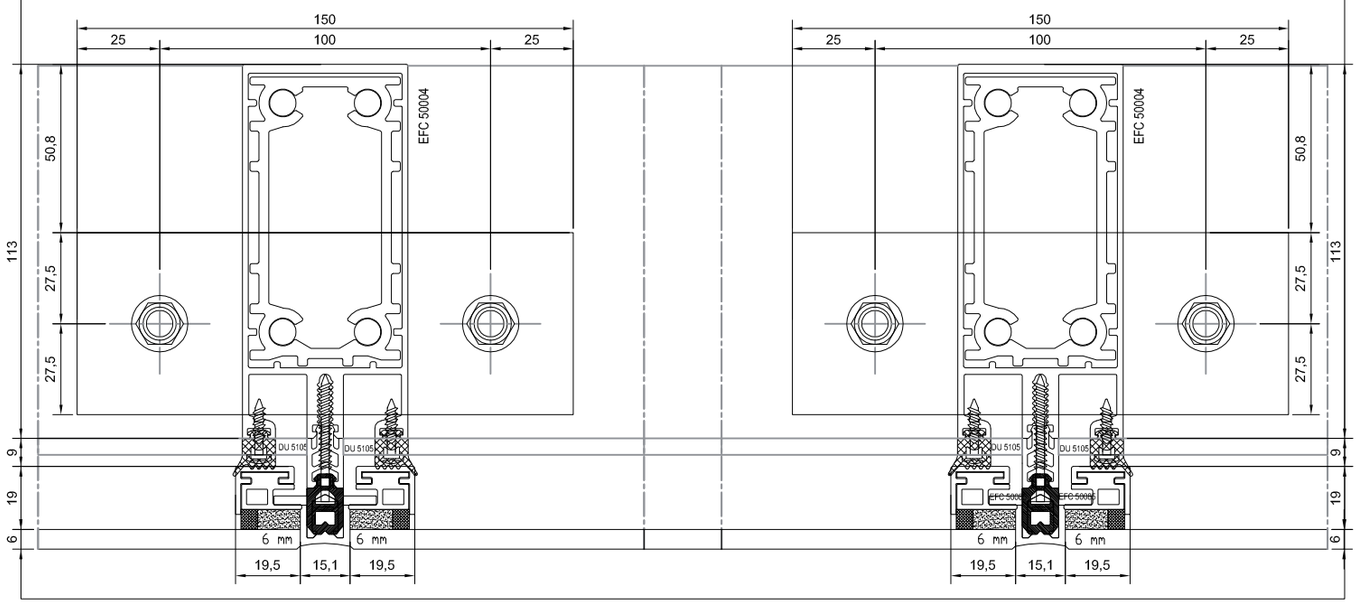
CAPITOLATI TECNICI

Thermal performances:
The Thermal performancences of the window are determinated by the Uf (Profile Thermal value), the Ug (glass thermal value) and by the surfaces of the frames (Af) and glass surface (Ag). The choice of the windows thermal performances are depending on the building code requirements and on the results on terms of LOGO saving that you need to obtain. The Thermal performances of all the windows (Uw) are to be calculated using the following approssimated formula:
Uw = (Ag Ug + Af Uf + Lg Yl) / (Ag + Af).

Mechanical strenght:
The Aluminium System and all accessories should resist to the standard loading methods of testing for windows and doors according to the national norms and codes. The method of testing is described into the norms.

Cleaning and maintenace:
In order to maintain the components and increase the life lasting of the windows and doors and preserve the surface treatments it is required a regular and periodic cleaning. All the cleaning products are to be Ph neautral, in general good water and a netrual soap are the products to be used for the cleaning. Avoid please all products cointaining chemicals that are not tested or well identifiable, that may produce corrosive actions expecially on the surface treatments, on gaskets and also on the glass. Drive your cleaning with soft sponges, inside and outside of the window. Remouve first with only by water spraying all eventual dusts and others abrasives before to proceed with sponges and soap. Remove the soap with clean water.

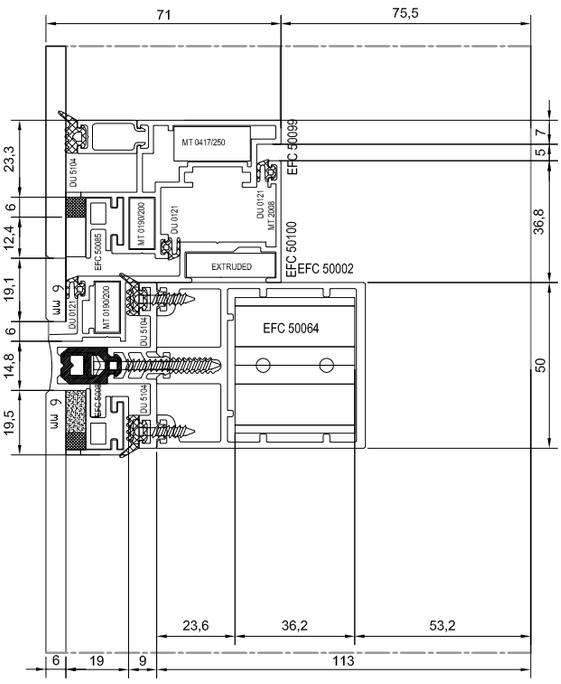
Certificates and testing:
The certificates and the tests are to be obtain by the windows producer or/and the windows makers. The windows are to be mounted and fabricated following all the instructions contained into this catalogue. The performances can be obtained only by following these instructions and operating a correct registration of all the hardwares parts. To obtain the same performances installing the product on the building a correct verification and regulation of the hardware it is required.
The Windows and doors should result to be tested according to the national norms for windows ad doors testing. The performances and the method of testing are described into the norms and building codes issued by the competent authorities.



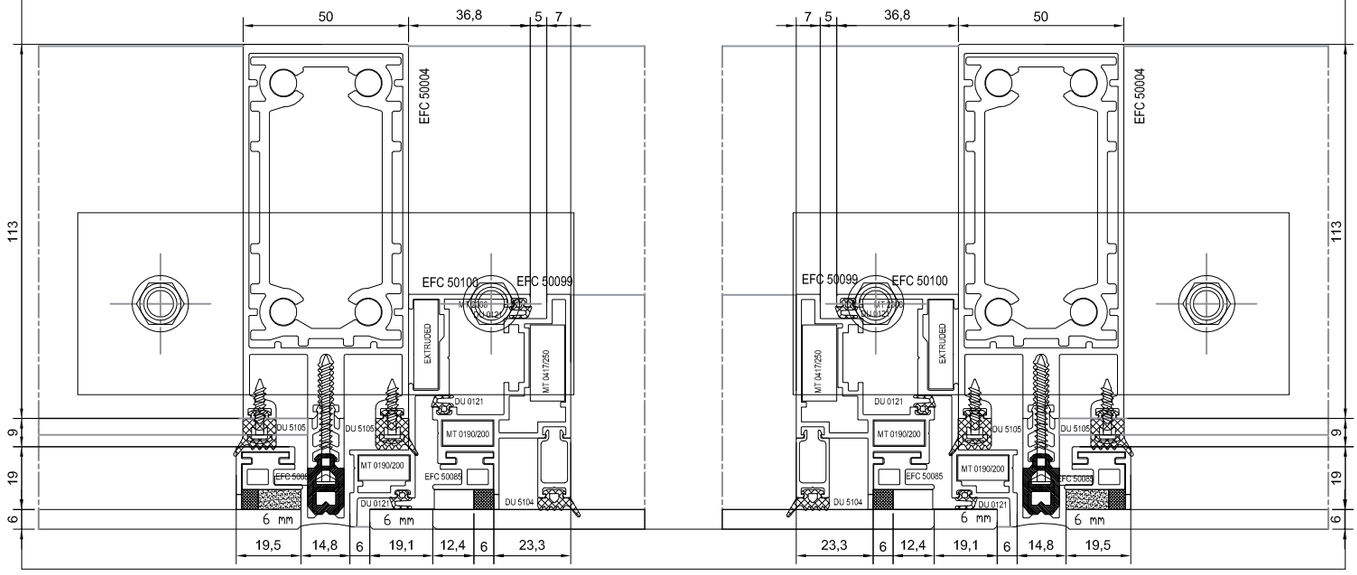
CAPITOLATI TECNICI

CURTAIN WALL 50
Structural frame

SPAZIO RISERVATO A
ILLUSTRAZIONI 3D

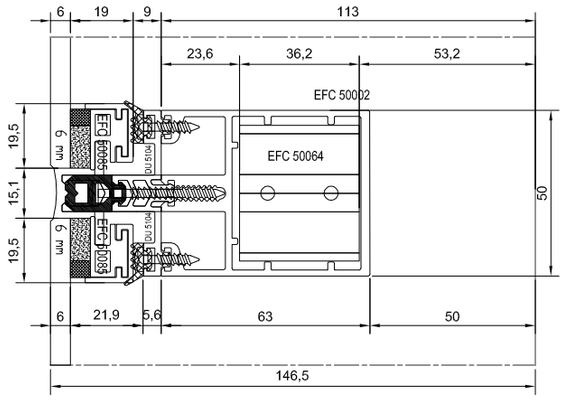


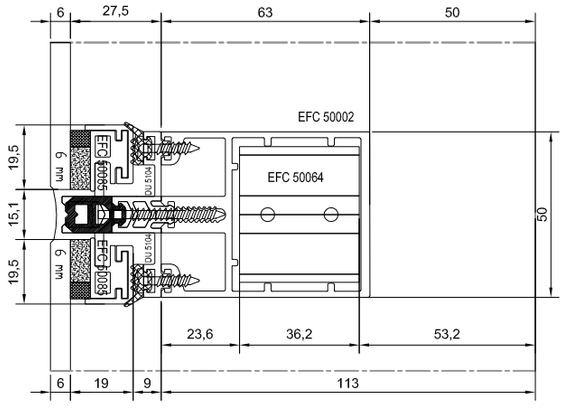
ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	**Variable Design**
STRUCTURE WIDTH:	**50 mm**
SEALING:	**BY GASKETS**
THERMAL BREAK:	**RIGID EPDM GASKETS**
ACCESSORIES:	**PROJECTING ARMS**
GLAZING:	**4 - 20 mm**
ALUMINIUM ALLOY	**AA 6063 T5**



CAPITOLATI TECNICI

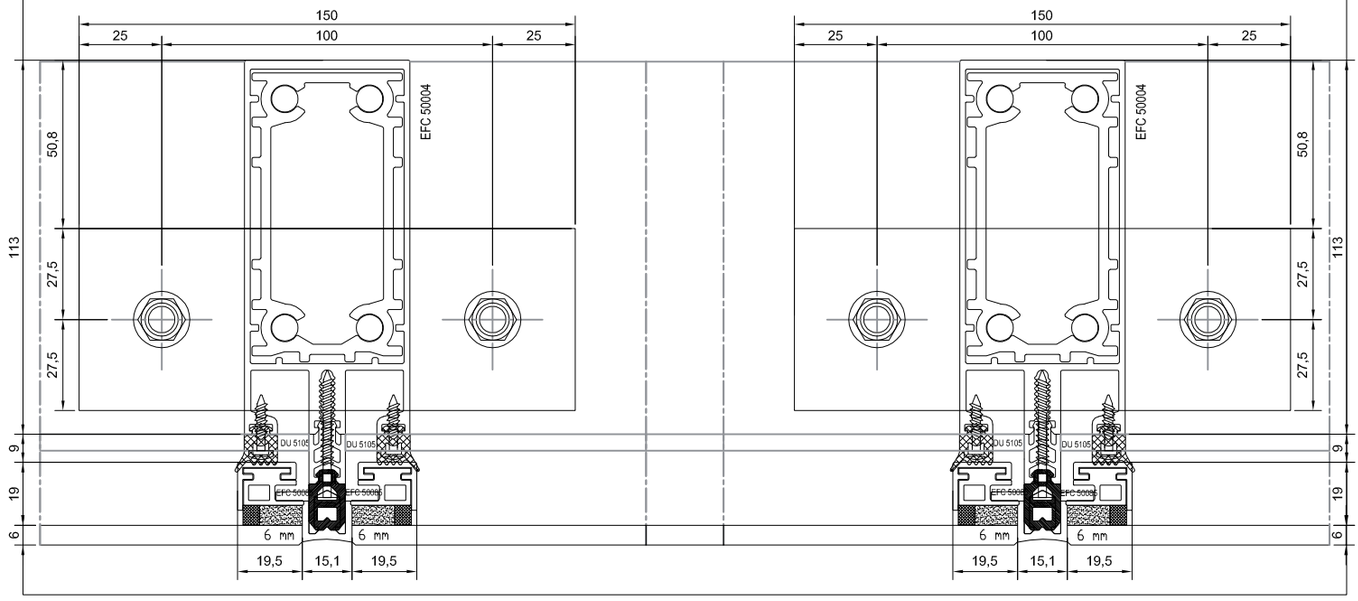
CURTAIN WALL 50
Structural frame





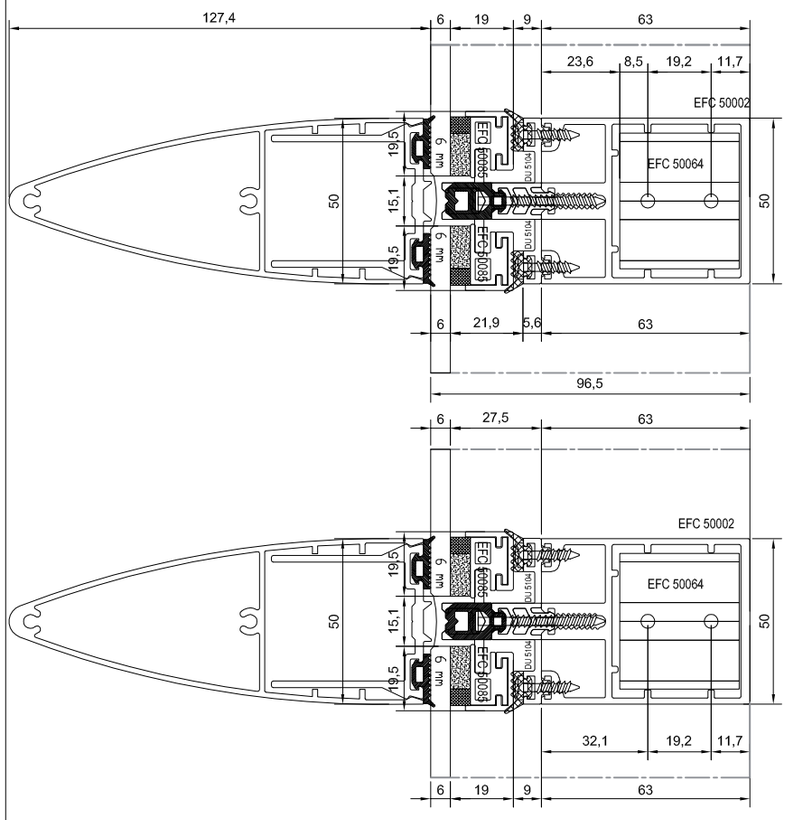
SPAZIO RISERVATO A
ILLUSTRAZIONI 3D

ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	Variable Design
STRUCTURE WIDTH:	50 mm
SEALING:	BY GASKETS
THERMAL BREAK:	RIGID EPDM GASKETS
ACCESSORIES:	PROJECTING ARMS
GLAZING:	4 - 20 mm
ALUMINIUM ALLOY	AA 6063 T5

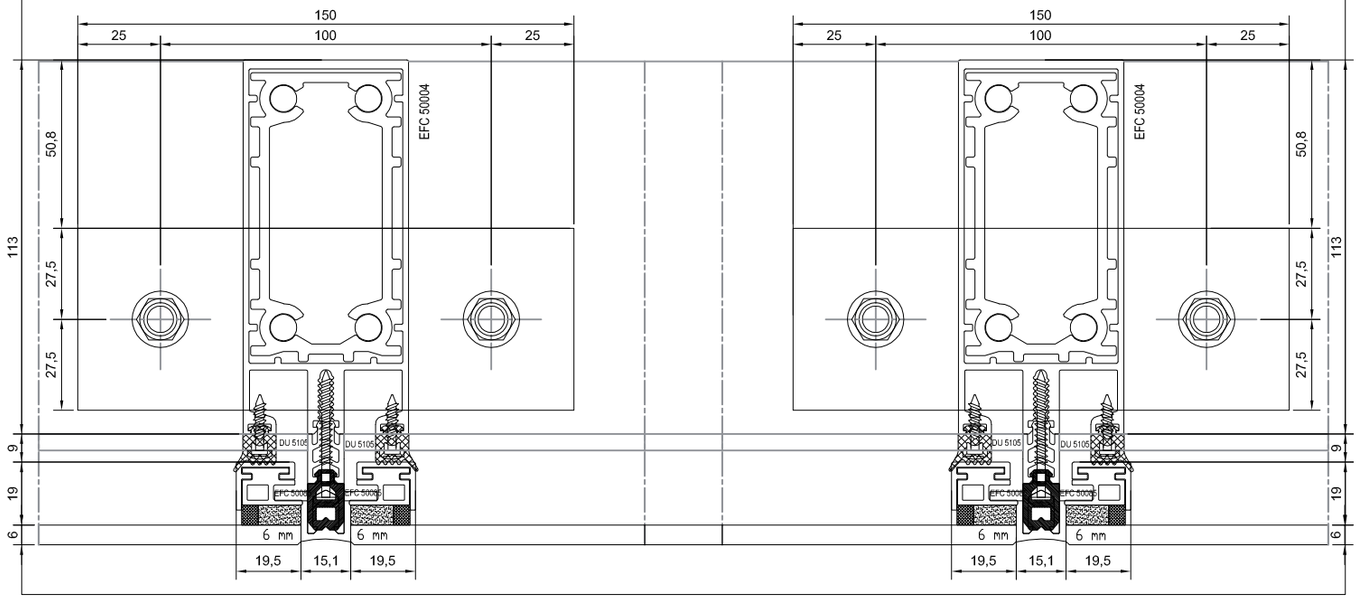


CAPITOLATI TECNICI

CURTAIN WALL 50
Structural frame

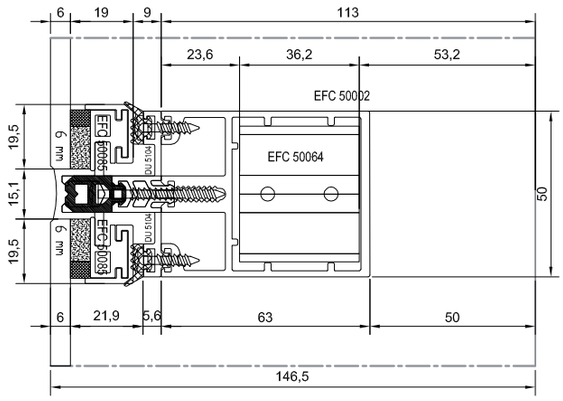


ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	Variable Design
STRUCTURE WIDTH:	50 mm
SEALING:	BY GASKETS
THERMAL BREAK:	RIGID EPDM GASKETS
ACCESSORIES:	PROJECTING ARMS
GLAZING:	4 - 20 mm
ALUMINIUM ALLOY	AA 6063 T5

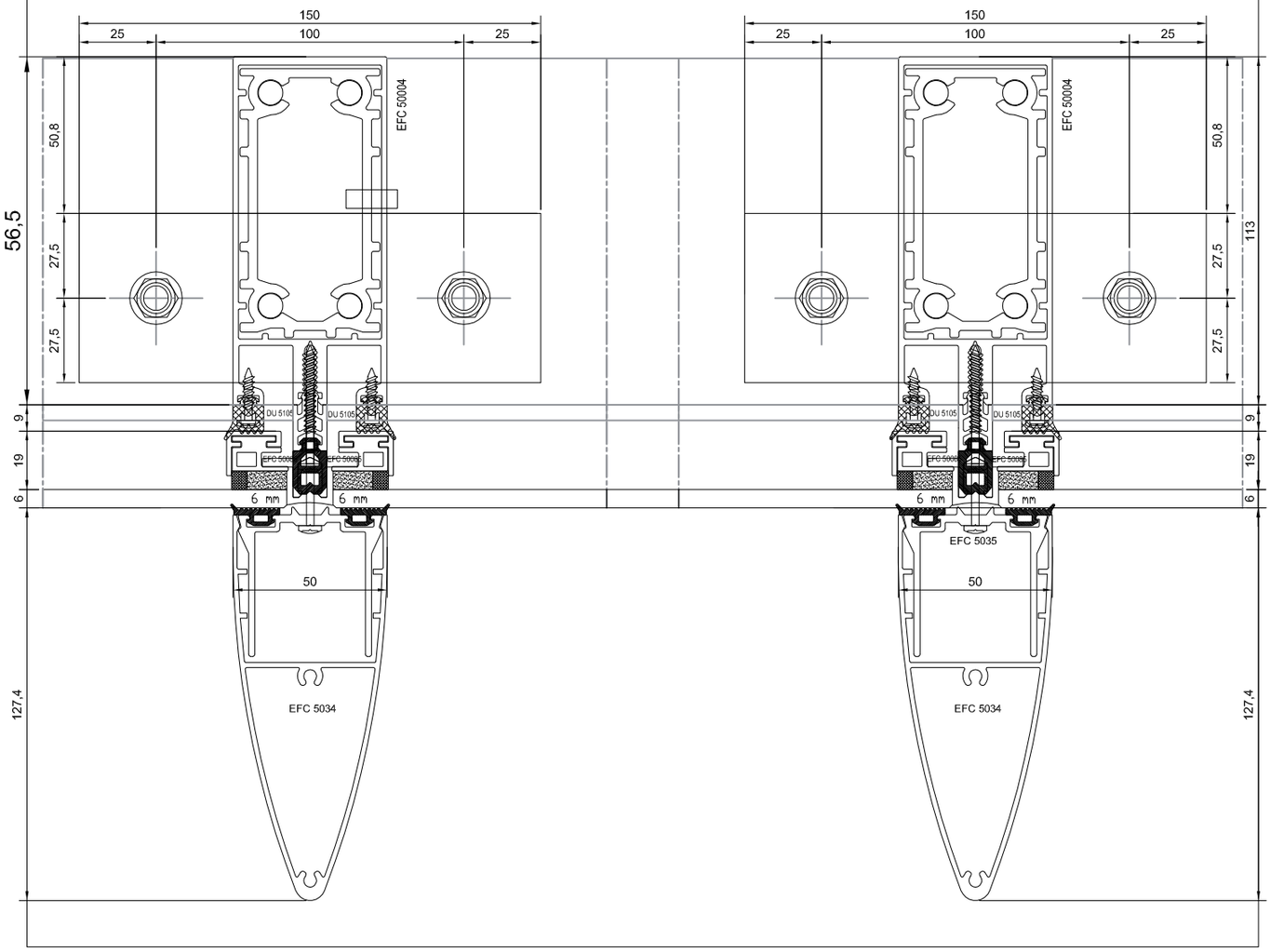


CAPITOLATI TECNICI

CURTAIN WALL 50
Structural frame



ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	Variable Design
STRUCTURE WIDTH:	50 mm
SEALING:	BY GASKETS
THERMAL BREAK:	RIGID EPDM GASKETS
ACCESSORIES:	PROJECTING ARMS
GLAZING:	4 - 20 mm
ALUMINIUM ALLOY	AA 6063 T5



CAPITOLATI TECNICI

Materials:
Extruded aluminium collection for Thermal break Curtain wall.
The profiles extruded against our exclusive aluminium design conception, in alluminium alloy EN AW - 6063 (EN 573-3 e E755-2), phisical state and treatement according to EN 515. The alloys conform to the ASTM and BS norms
The Phisical state and the owen treatments of the profiles correspond to the class TA - T5. The profiles are conform to the dimensional tolerances according to the norm EN 12020-2.

ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	**Variable Design**
STRUCTURE WIDTH:	**50 mm**
SEALING:	**BY GASKETS**
THERMAL BREAK:	**RIGID EPDM GASKETS**
ACCESSORIES:	**PROJECTING ARMS**
GLAZING:	**4 - 20 mm**
ALUMINIUM ALLOY	**AA 6063 T5**

System relevant Information:
- Thermal Break Aluminium System for Curtain walls
- Glazing depth: from 4 mm up to 20 mm
- Profiles Depth: Up to 188 mm
- Profiles Design: For all type of Architectural solutions
- Sealing : By double gaskets on the interlock.
- Latching : Simple or/and multipoints.
- Hardware: Based on European accesories gap.
- Glazing Gap: From 4 mm Up to 50 mm
- Dimensions: Structure based on 50 mm width
- Models: All type of Curtain walls - Stick system

Surface Treatment:
All the surface treatment are conform to the quality lables QUALICOAT for Podwer Coating and QUALANOD for anodization.
Anodizing we guarantee the minimium thickness of 15 micron up to 25 microns according to international norms.
The powder coating is done with thermosetting and Polyesters Polymeric powders, the profiles are finished into special coating owens, where the powders reach the rigth hardness trought a heat treatment.

Surface treatment resistance:
The surface treatment done according to QUALANOAD and QUALICOAT Quality labels shall be guarantee against corrosion and surface aging degradacion for a period of 5-10 years. The surface treatments shall resist to normal and marine exposition without been effected by corrosion or loss of shiness. The most relevant factors influencing the surface treatment life lasting are the direct exposure to chemicals. The direct exposure in the front of the sea and/or salty water it may reduce the life lasting of the components. The exposure to heavy pollued environment may cause also problems. A regular cleaning with Ph neutral water and soaps increase the components life.

Safety:
In order to prevent injuries or/an accidents the wndows and doors are to be installed as displyed into this catalogue, anchoring the components to the building and using original only accessories. The fixing should be made according to the National norms for security and safety use.

Glazing and panels specifications:
Glazing should be mounted according to the catalogue drawings and selectd in accordance to the performances required in consideration of LOGO saving, safety, acustic and solar radiation factors. These performances are depending on the type of glass installed. The glass mounted shall be conform to the national norms for glazing.

Gaskets:
The gaskets used during assembling and installing the components should be only the ones created for this system and displyed in this product catalogue. The use of other gaskets or/and brushes it may cause functional and design problems. The gaskets used should be conform to the national norms for windows and doors safety applications, do not release toxic smokes in case of fire and insure the performances during all the component life lasting.

Sealing products:
All the sealing products employed during the fabrication of the components and installing the components on the building are to be conform to the specif uses for aluminium profiles and its surface treatments. Sealing products should be PH neutral and specifically studied do not start any chemical or/and corrosive reaction with the windows and doors components, accessories, gaskets and surface treatments.

Accessories:
All the accessories used for the manifacturing, mounting, functioning and installation of this system are specifically studied for this system in order to insure performances and a correct functionning of the models. The use of others accessories differents from the ones displayed in this catalogue it may effect or/and make dangerous the functionning of the component. Only the accessories studied for this system are the ones to be used.

Acustic performances:
The Acustical performances of the Windows and doors are depending on the correct mounting of all accessories and gaskets according to the catalogue specifications. The performances that you will obatain depend on various factors.
The nature of the sound, the distance of the component from the noise origin and the orientation of diffusion of the noise. The factor influencing the final performances of the window are the sound performances of the glass and the air permeability window's classification. In general to have an approsimate idea of the final performances of the components from the Certified Insulating Power expressed in dB (decibel) of the glass, you should subtract from 8 to 2 devibels (8-5-2) 8 db for the lowest classification, 5 db for a medium performance to the air and only 2 db in case the window is classified to the top performances for air permeability. Only Laboratory tests will provide you in all the case a scientific and trustable classification.

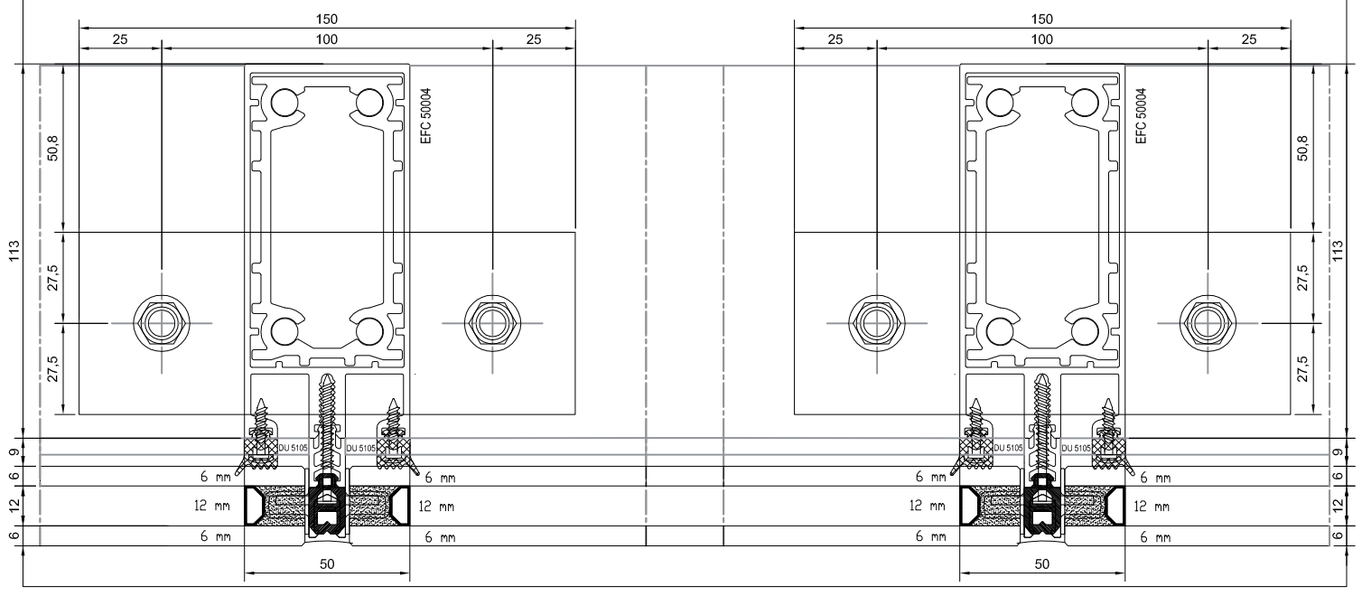
CAPITOLATI TECNICI

Thermal performances:
The Thermal performancences of the window are determinated by the Uf (Profile Thermal value), the Ug (glass thermal value) and by the surfaces of the frames (Af) and glass surface (Ag). The choice of the windows thermal performances are depending on the building code requirements and on the results on terms of LOGO saving that you need to obtain. The Thermal performances of all the windows (Uw) are to be calculated using the following approssimated formula:
Uw = (Ag Ug + Af Uf + Lg Yl) / (Ag + Af).

Mechanical strenght:
The Aluminium System and all accessories should resist to the standard loading methods of testing for windows and doors according to the national norms and codes. The method of testing is described into the norms.

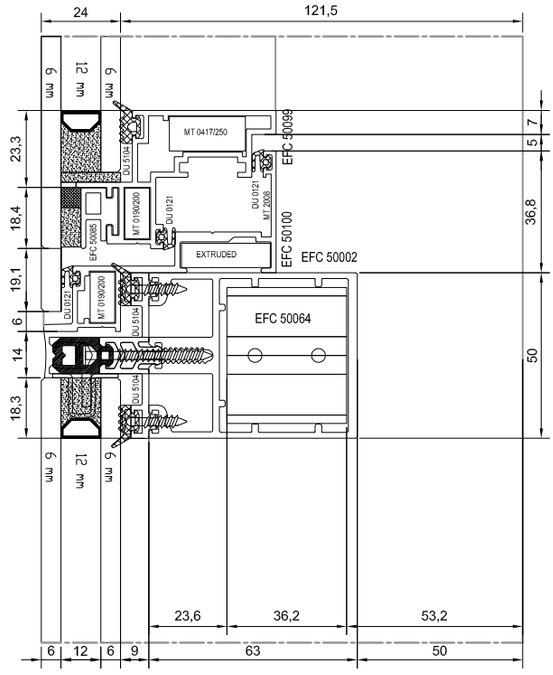
Cleaning and maintenace:
In order to maintain the components and increase the life lasting of the windows and doors and preserve the surface treatments it is required a regular and periodic cleaning. All the cleaning products are to be Ph neautral, in general good water and a netrual soap are the products to be used for the cleaning. Avoid please all products cointaining chemicals that are not tested or well identifiable, that may produce corrosive actions expecially on the surface treatments, on gaskets and also on the glass. Drive your cleaning with soft sponges, inside and outside of the window. Remouve first with only by water spraying all eventual dusts and others abrasives before to proceed with sponges and soap. Remove the soap with clean water.

Certificates and testing:
The certificates and the tests are to be obtain by the windows producer or/and the windows makers. The windows are to be mounted and fabricated following all the instructions contained into this catalogue. The performances can be obtained only by following these instructions and operating a correct registration of all the hardwares parts. To obtain the same performances installing the product on the building a correct verification and regulation of the hardware it is required.
The Windows and doors should result to be tested according to the national norms for windows ad doors testing. The performances and the method of testing are described into the norms and building codes issued by the competent authorities.

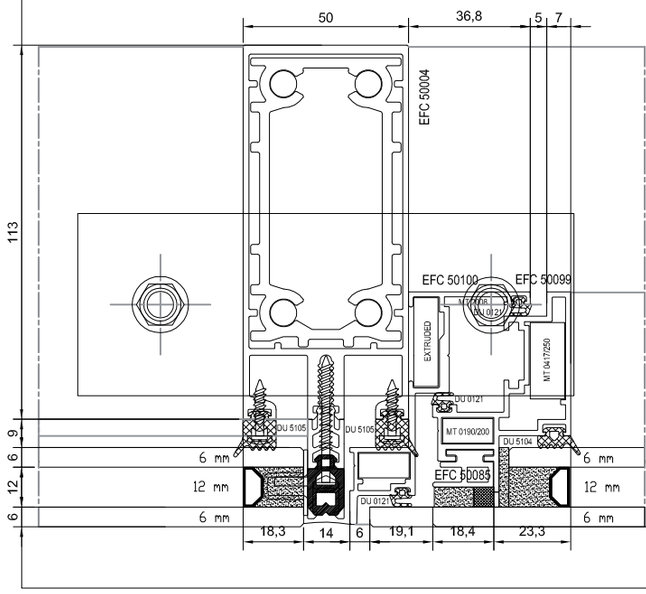


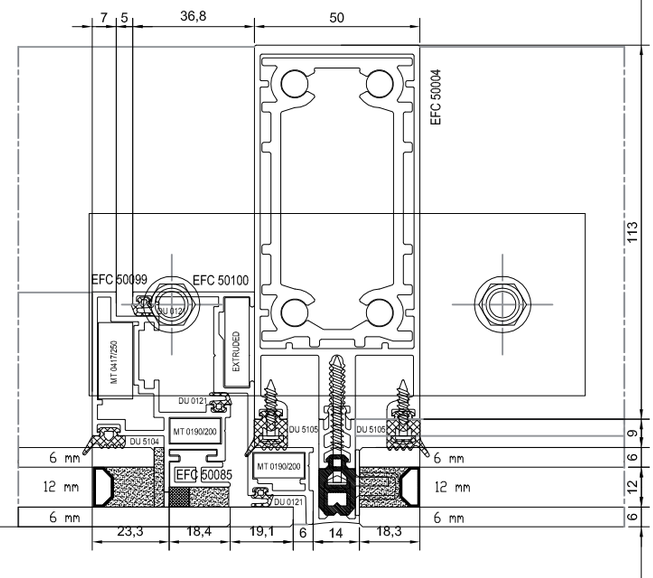
CAPITOLATI TECNICI

CURTAIN WALL 50
Structural frame



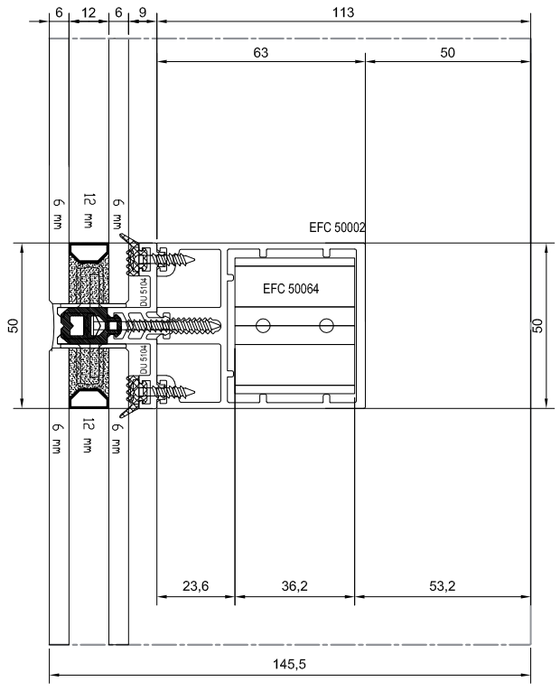
ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	Variable Design
STRUCTURE WIDTH:	50 mm
SEALING:	BY GASKETS
THERMAL BREAK:	RIGID EPDM GASKETS
ACCESSORIES:	PROJECTING ARMS
GLAZING:	4 - 20 mm
ALUMINIUM ALLOY	AA 6063 T5



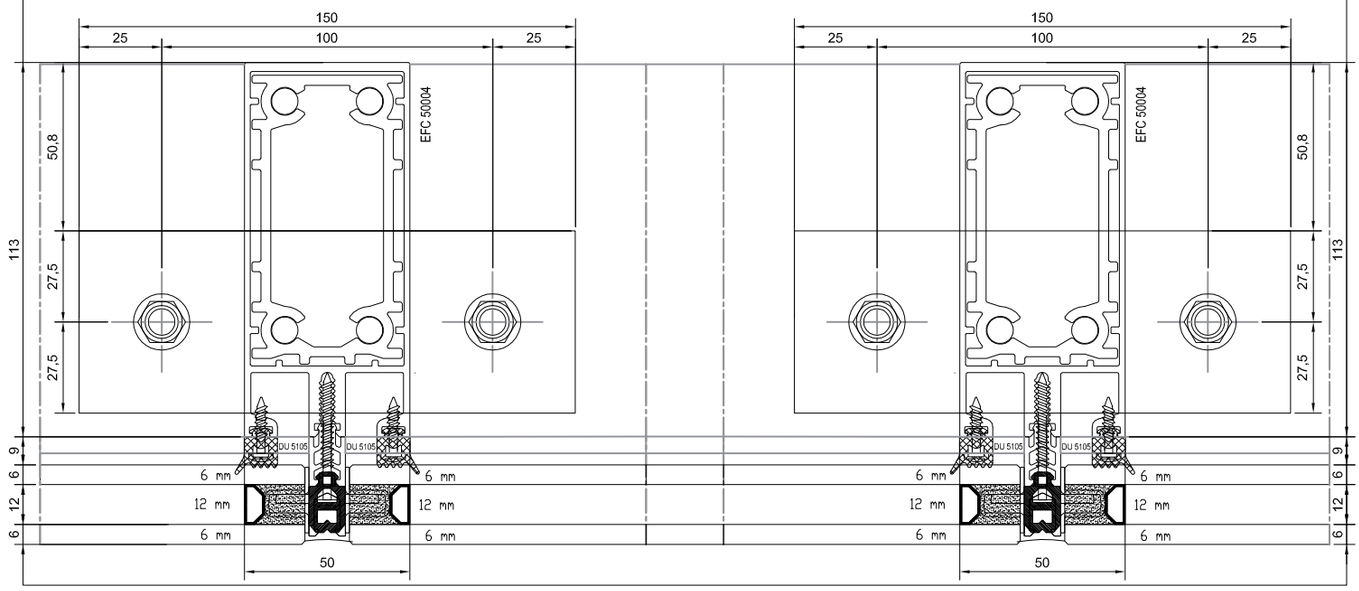


CAPITOLATI TECNICI

CURTAIN WALL 50
Structural frame

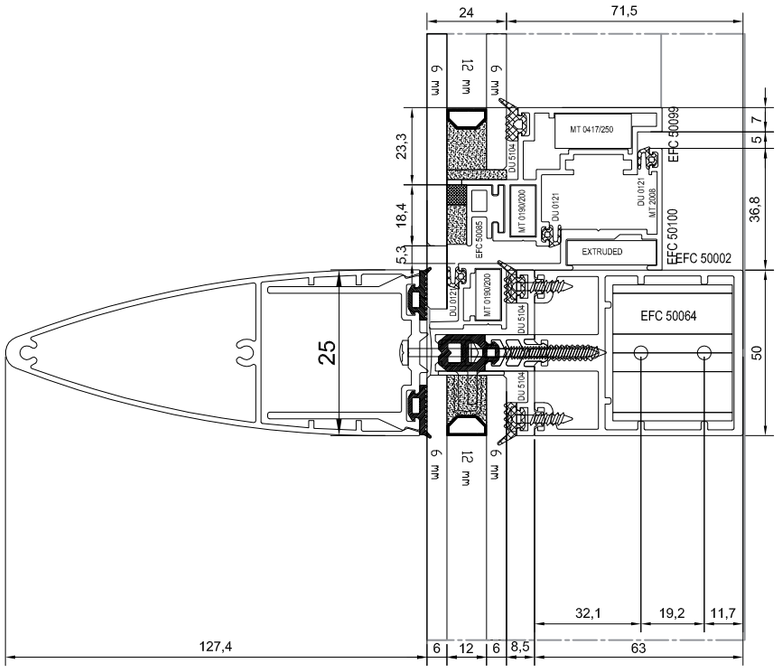


ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	Variable Design
STRUCTURE WIDTH:	50 mm
SEALING:	BY GASKETS
THERMAL BREAK:	RIGID EPDM GASKETS
ACCESSORIES:	PROJECTING ARMS
GLAZING:	4 - 20 mm
ALUMINIUM ALLOY	AA 6063 T5

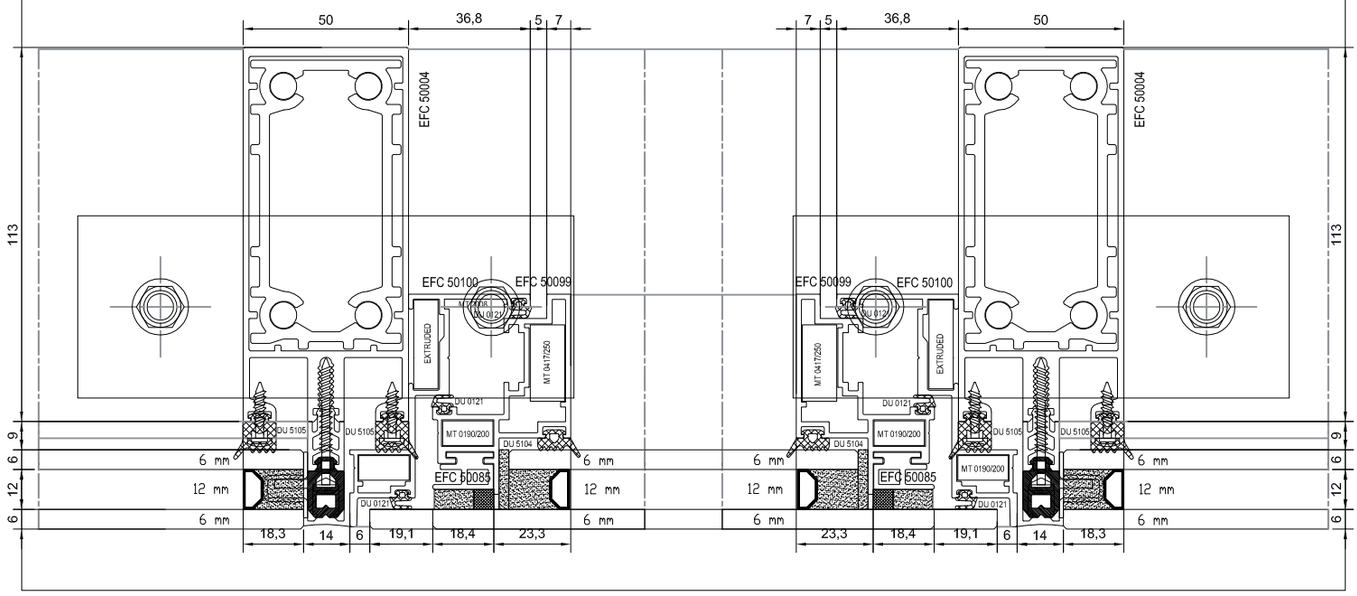


CAPITOLATI TECNICI

CURTAIN WALL 50
Structural frame



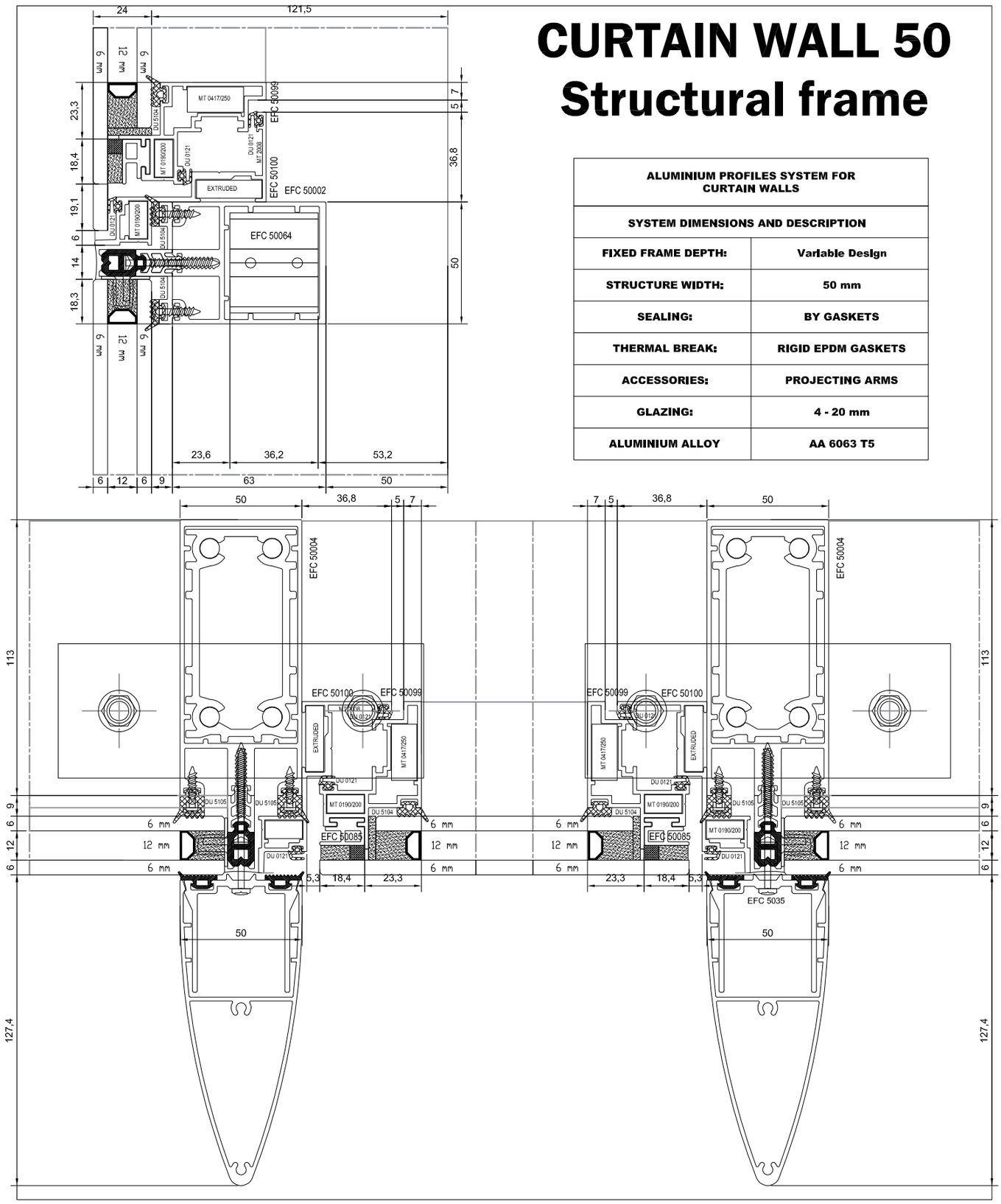
ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	Variable Design
STRUCTURE WIDTH:	50 mm
SEALING:	BY GASKETS
THERMAL BREAK:	RIGID EPDM GASKETS
ACCESSORIES:	PROJECTING ARMS
GLAZING:	4 - 20 mm
ALUMINIUM ALLOY	AA 6063 T5



CAPITOLATI TECNICI

CURTAIN WALL 50
Structural frame

ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	Variable Design
STRUCTURE WIDTH:	50 mm
SEALING:	BY GASKETS
THERMAL BREAK:	RIGID EPDM GASKETS
ACCESSORIES:	PROJECTING ARMS
GLAZING:	4 - 20 mm
ALUMINIUM ALLOY	AA 6063 T5



CAPITOLATI TECNICI

Materials:
Extruded aluminium collection for Thermal break Curtain wall.
The profiles extruded against our exclusive aluminium design conception, in alluminium alloy EN AW - 6063 (EN 573-3 e E755-2), phisical state and treatement according to EN 515. The alloys conform to the ASTM and BS norms
The Phisical state and the owen treatments of the profles correspond to the class TA - T5. The profiles are conform to the dimensional tolerances according to the norm EN 12020-2.

ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	**Variable Design**
STRUCTURE WIDTH:	**50 mm**
SEALING:	**BY GASKETS**
THERMAL BREAK:	**RIGID EPDM GASKETS**
ACCESSORIES:	**PROJECTING ARMS**
GLAZING:	**24 - 36 mm**
ALUMINIUM ALLOY	**AA 6063 T5**

System relevant Information:
- Thermal Break Aluminium System for Curtain walls
- Glazing depth: from 24 mm up to 36 mm
- Profiles Depth: Up to 188 mm
- Profiles Design: For all type of Architectural solutions
- Sealing : By double gaskets on the interlock.
- Latching : Simple or/and multipoints.
- Hardware: Based on European accesories gap.
- Glazing Gap: From 4 mm Up to 50 mm
- Dimensions: Structure based on 50 mm width
- Models: All type of Curtain walls - Stick system

Surface Treatment:
All the surface treatment are conform to the quality lables QUALICOAT for Podwer Coating and QUALANOD for anodization.
Anodizing we guarantee the minimium thickness of 15 micron up to 25 microns according to international norms.
The powder coating is done with thermosetting and Polyesters Polymeric powders, the profiles are finished into special coating owens, where the powders reach the rigth hardness trought a heat treatment.

Surface treatment resistance:
The surface treatment done according to QUALANOAD and QUALICOAT Quality labels shall be guarantee against corrosion and surface aging degradacion for a period of 5-10 years. The surface treatments shall resist to normal and marine exposition without been effected by corrosion or loss of shiness. The most relevant factors influencing the surface treatment life lasting are the direct exposure to chemicals. The direct exposure in the front of the sea and/or salty water it may reduce the life lasting of the components. The exposure to heavy pollued environment may cause also problems. A regular cleaning with Ph neutral water and soaps increase the components life.

Safety:
In order to prevent injuries or/an accidents the wndows and doors are to be installed as displyed into this catalogue, anchoring the components to the building and using original only accessories. The fixing should be made according to the National norms for security and safety use.

Glazing and panels specifications:
Glazing should be mounted according to the catalogue drawings and selectd in accordance to the performances required in consideration of LOGO saving, safety, acustic and solar radiation factors. These performances are depending on the type of glass installed. The glass mounted shall be conform to the national norms for glazing.

Gaskets:
The gaskets used during assembling and installing the components should be only the ones created for this system and displyed in this product catalogue. The use of other gaskets or/and brushes it may cause functional and design problems. The gaskets used should be conform to the national norms for windows and doors safety applications, do not release toxic smokes in case of fire and insure the performances during all the component life lasting.

Sealing products:
All the sealing products employed during the fabrication of the components and installing the components on the building are to be conform to the specif uses for aluminium profiles and its surface treatments. Sealing products should be PH neutral and specifically studied do not start any chemical or/and corrosive reaction with the windows and doors components, accessories, gaskets and surface treatments.

Accessories:
All the accessories used for the manifacturing, mounting, functioning and installation of this system are specifically studied for this system in order to insure performances and a correct functionning of the models. The use of others accessories differents from the ones displayed in this catalogue it may effect or/and make dangerous the functionning of the component. Only the accessories studied for this system are the ones to be used.

Acustic performances:
The Acustical performances of the Windows and doors are depending on the correct mounting of all accessories and gaskets according to the catalogue specifications. The performances that you will obatain depend on various factors.
The nature of the sound, the distance of the component from the noise origin and the orientation of diffusion of the noise. The factor influencing the final performances of the window are the sound performances of the glass and the air permeability window's classification. In general to have an approsimate idea of the final performances of the components from the Certified Insulating Power expressed in dB (decibel) of the glass, you should subtract from 8 to 2 devibels (8-5-2) 8 db for the lowest classification, 5 db for a medium performance to the air and only 2 db in case the window is classified to the top performances for air permeability. Only Laboratory tests will provide you in all the case a scientific and trustable classification.

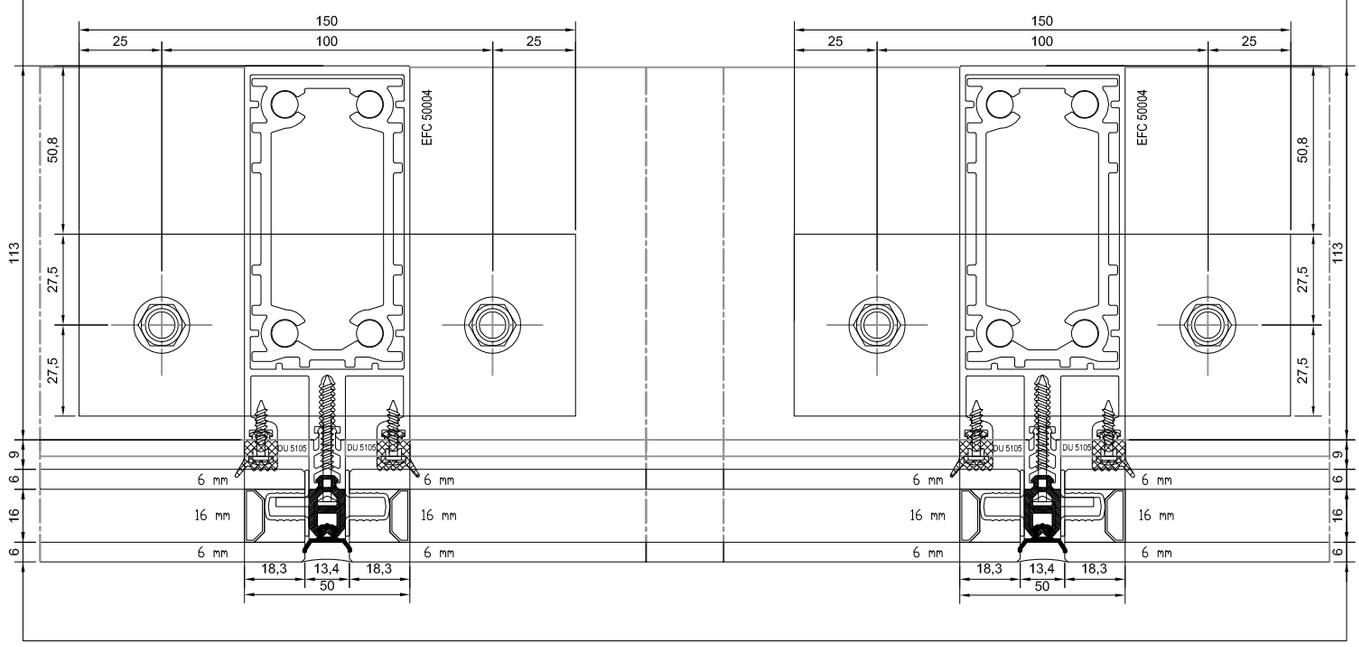
CAPITOLATI TECNICI

Thermal performances:
The Thermal performancences of the window are determinated by the Uf (Profile Thermal value), the Ug (glass thermal value) and by the surfaces of the frames (Af) and glass surface (Ag). The choice of the windows thermal performances are depending on the building code requirements and on the results on terms of LOGO saving that you need to obtain. The Thermal performances of all the windows (Uw) are to be calculated using the following approssimated formula:
Uw = (Ag Ug + Af Uf + Lg Yl) / (Ag + Af).

Mechanical strenght:
The Aluminium System and all accessories should resist to the standard loading methods of testing for windows and doors according to the national norms and codes. The method of testing is described into the norms.

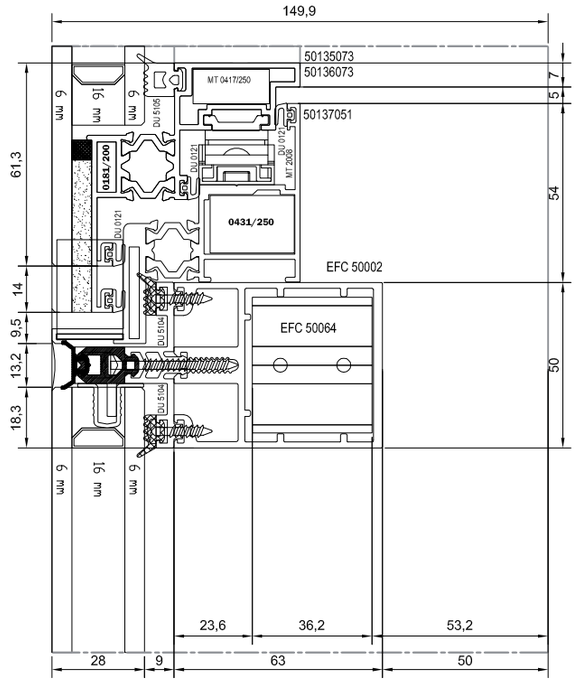
Cleaning and maintenace:
In order to maintain the components and increase the life lasting of the windows and doors and preserve the surface treatments it is required a regular and periodic cleaning. All the cleaning products are to be Ph neautral, in general good water and a netrual soap are the products to be used for the cleaning. Avoid please all products cointaining chemicals that are not tested or well identifiable, that may produce corrosive actions expecially on the surface treatments, on gaskets and also on the glass. Drive your cleaning with soft sponges, inside and outside of the window. Remouve first with only by water spraying all eventual dusts and others abrasives before to proceed with sponges and soap. Remove the soap with clean water.

Certificates and testing:
The certificates and the tests are to be obtain by the windows producer or/and the windows makers. The windows are to be mounted and fabricated following all the instructions contained into this catalogue. The performances can be obtained only by following these instructions and operating a correct registration of all the hardwares parts. To obtain the same performances installing the product on the building a correct verification and regulation of the hardware it is required.
The Windows and doors should result to be tested according to the national norms for windows ad doors testing. The performances and the method of testing are described into the norms and building codes issued by the competent authorities.

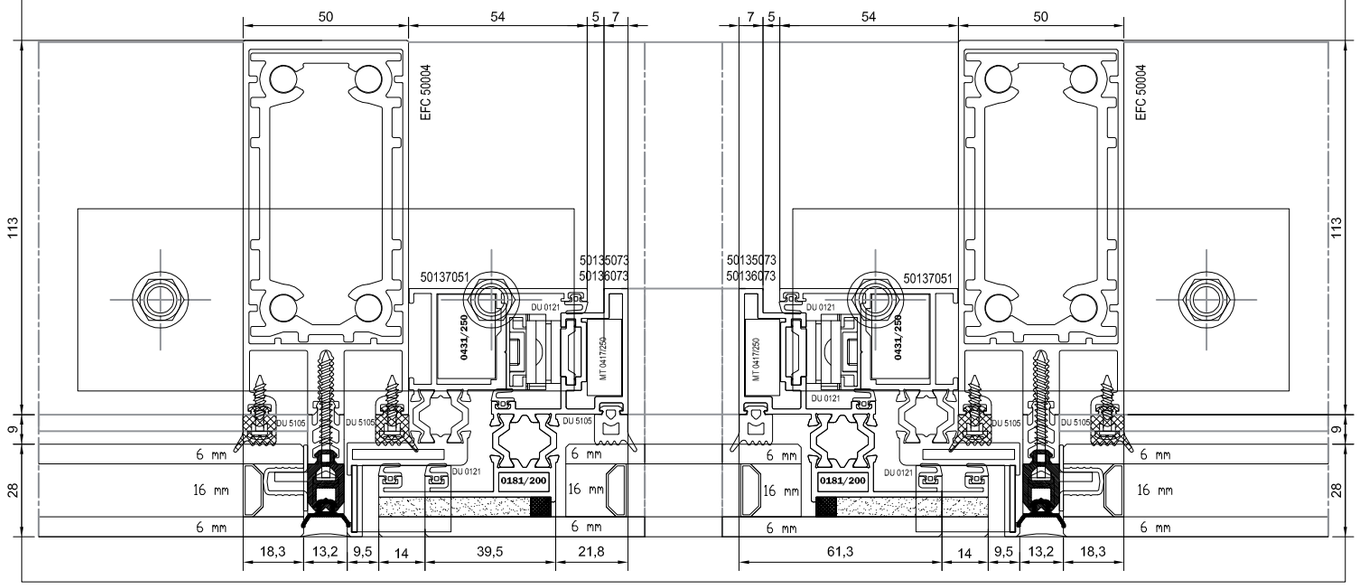


CAPITOLATI TECNICI

CURTAIN WALL 50
Structural Thermal

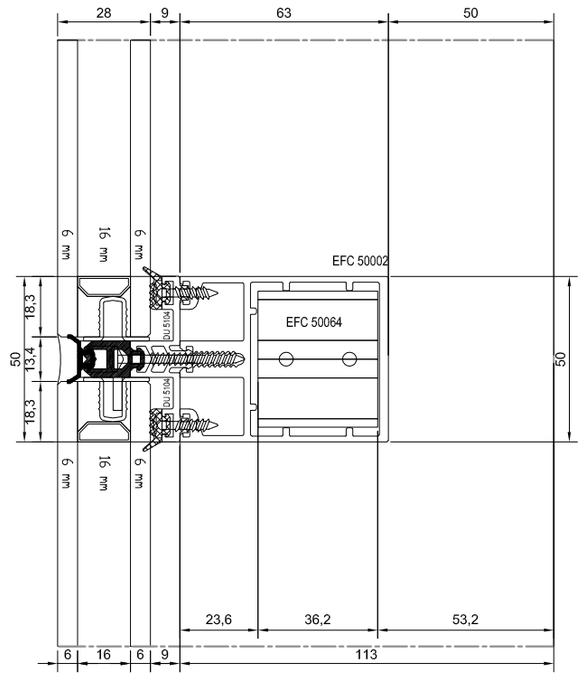


ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	**Variable Design**
STRUCTURE WIDTH:	**50 mm**
SEALING:	**BY GASKETS**
THERMAL BREAK:	**RIGID EPDM GASKETS**
ACCESSORIES:	**PROJECTING ARMS**
GLAZING:	**24 - 36 mm**
ALUMINIUM ALLOY	**AA 6063 T5**

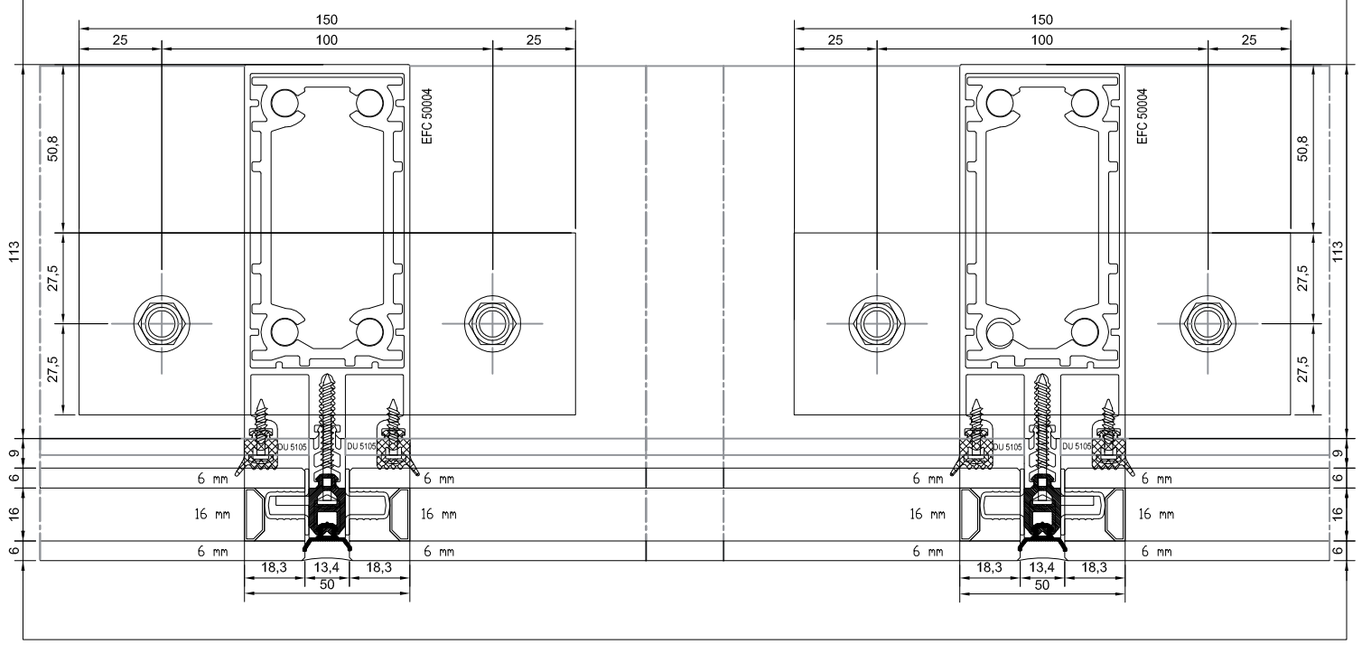


CAPITOLATI TECNICI

CURTAIN WALL 50
Structural Thermal

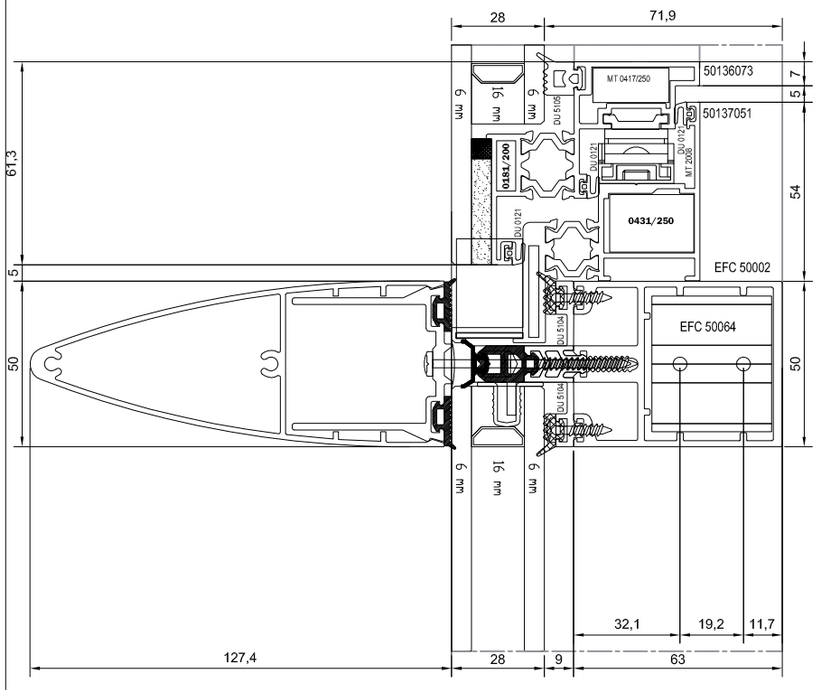


ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	Variable Design
STRUCTURE WIDTH:	50 mm
SEALING:	BY GASKETS
THERMAL BREAK:	RIGID EPDM GASKETS
ACCESSORIES:	PROJECTING ARMS
GLAZING:	24 - 36 mm
ALUMINIUM ALLOY	AA 6063 T5

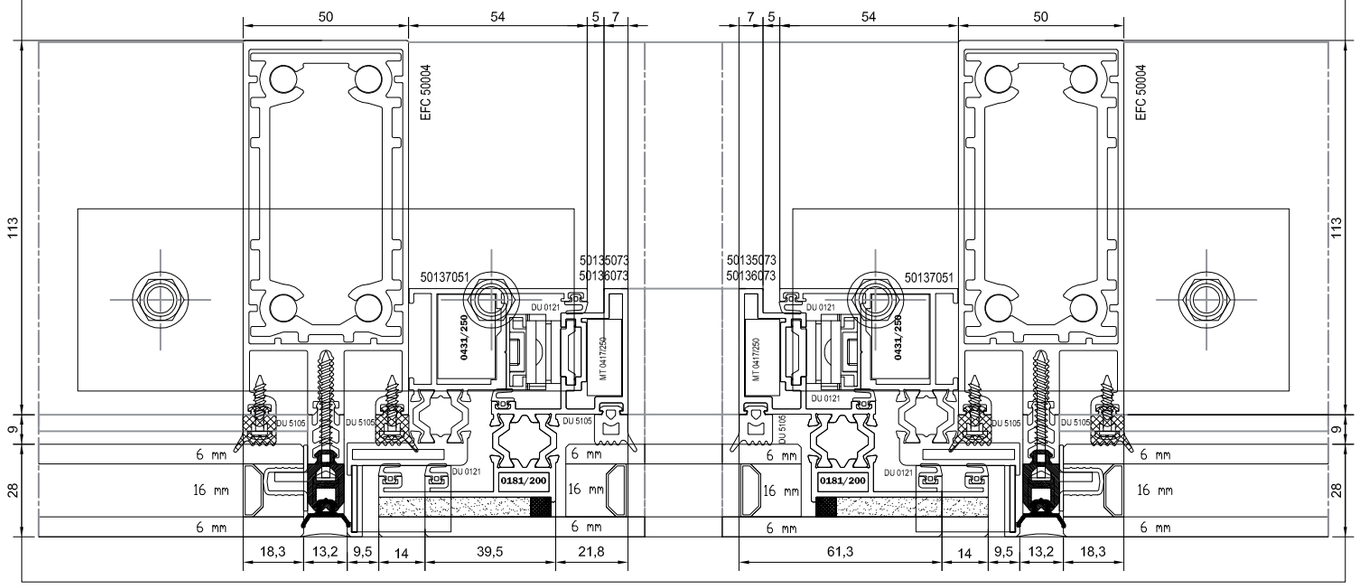


CAPITOLATI TECNICI

CURTAIN WALL 50
Structural Thermal



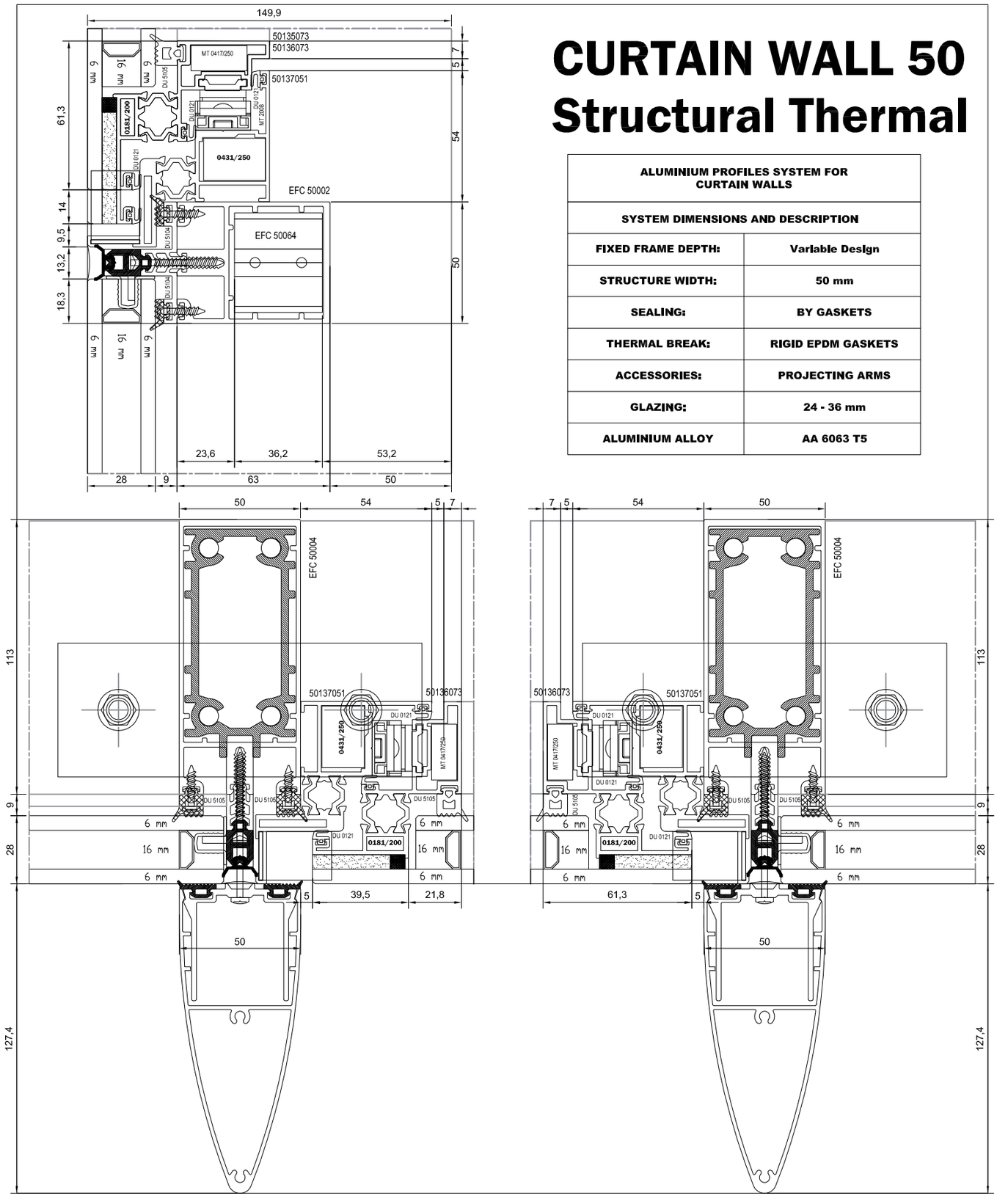
ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	**Variable Design**
STRUCTURE WIDTH:	**50 mm**
SEALING:	**BY GASKETS**
THERMAL BREAK:	**RIGID EPDM GASKETS**
ACCESSORIES:	**PROJECTING ARMS**
GLAZING:	**24 - 36 mm**
ALUMINIUM ALLOY	**AA 6063 T5**



CAPITOLATI TECNICI

CURTAIN WALL 50
Structural Thermal

ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	**Variable Design**
STRUCTURE WIDTH:	**50 mm**
SEALING:	**BY GASKETS**
THERMAL BREAK:	**RIGID EPDM GASKETS**
ACCESSORIES:	**PROJECTING ARMS**
GLAZING:	**24 - 36 mm**
ALUMINIUM ALLOY	**AA 6063 T5**



CAPITOLATI TECNICI

Materials:
Extruded aluminium collection for Thermal break Curtain wall.
The profiles extruded against our exclusive aluminium design conception, in alluminium alloy EN AW - 6063 (EN 573-3 e E755-2), phisical state and treatement according to EN 515. The alloys conform to the ASTM and BS norms
The Phisical state and the owen treatments of the profles correspond to the class TA - T5. The profiles are conform to the dimensional tolerances according to the norm EN 12020-2.

ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	**Variable Design**
STRUCTURE WIDTH:	**50 mm**
SEALING:	**BY GASKETS**
THERMAL BREAK:	**RIGID EPDM GASKETS**
ACCESSORIES:	**PROJECTING ARMS**
GLAZING:	**24 - 36 mm**
ALUMINIUM ALLOY	**AA 6063 T5**

System relevant Information:
- Thermal Break Aluminium System for Curtain walls
- Glazing depth: from 24 mm up to 36 mm
- Profiles Depth: Up to 188 mm
- Profiles Design: For all type of Architectural solutions
- Sealing : By double gaskets on the interlock.
- Latching : Simple or/and multipoints.
- Hardware: Based on European accesories gap.
- Glazing Gap: From 4 mm Up to 50 mm
- Dimensions: Structure based on 50 mm width
- Models: All type of Curtain walls - Stick system

Surface Treatment:
All the surface treatment are conform to the quality lables QUALICOAT for Podwer Coating and QUALANOD for anodization.
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The powder coating is done with thermosetting and Polyesters Polymeric powders, the profiles are finished into special coating owens, where the powders reach the rigth hardness trought a heat treatment.

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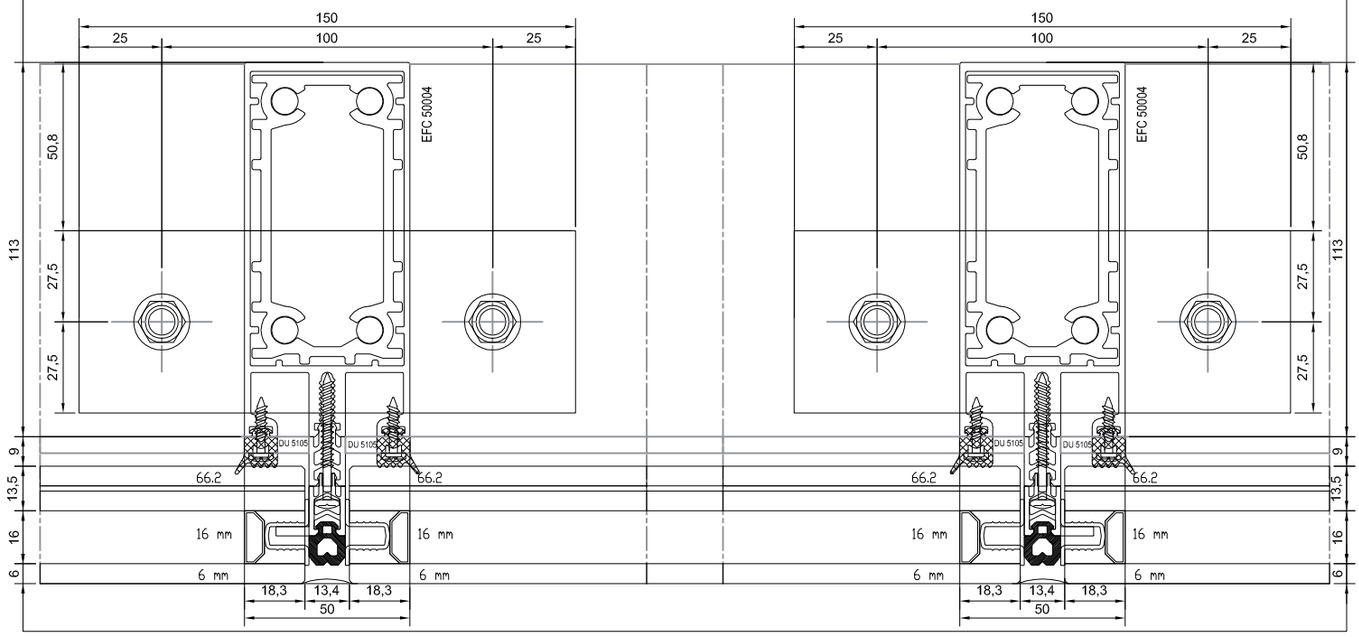
CAPITOLATI TECNICI

Thermal performances:
The Thermal performancences of the window are determinated by the Uf (Profile Thermal value), the Ug (glass thermal value) and by the surfaces of the frames (Af) and glass surface (Ag). The choice of the windows thermal performances are depending on the building code requirements and on the results on terms of LOGO saving that you need to obtain. The Thermal performances of all the windows (Uw) are to be calculated using the following approssimated formula:
Uw = (Ag Ug + Af Uf + Lg Yl) / (Ag + Af).

Mechanical strenght:
The Aluminium System and all accessories should resist to the standard loading methods of testing for windows and doors according to the national norms and codes. The method of testing is described into the norms.

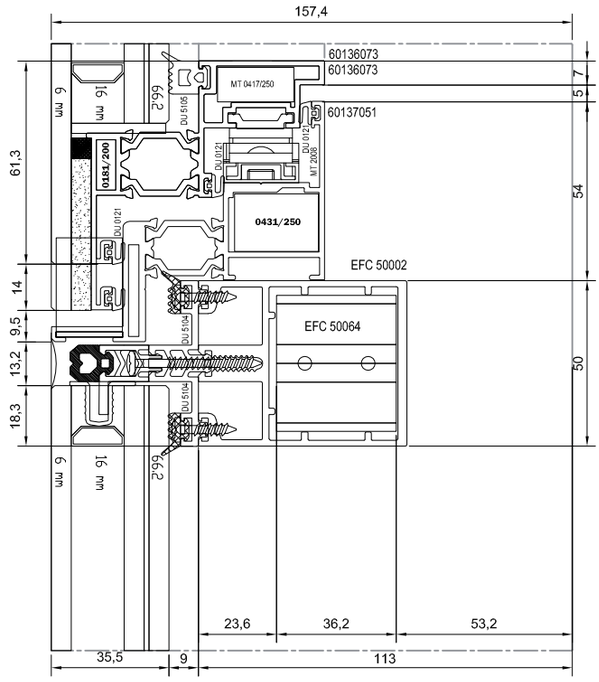
Cleanlng and malntenace:
In order to maintain the components and increase the life lasting of the windows and doors and preserve the surface treatments it is required a regular and periodic cleaning. All the cleaning products are to be Ph neautral, in general good water and a netrual soap are the products to be used for the cleaning. Avoid please all products cointaining chemicals that are not tested or well identifiable, that may produce corrosive actions expecially on the surface treatments, on gaskets and also on the glass. Drive your cleaning with soft sponges, inside and outside of the window. Remouve first with only by water spraying all eventual dusts and others abrasives before to proceed with sponges and soap. Remove the soap with clean water.

Certificates and testing:
The certificates and the tests are to be obtain by the windows producer or/and the windows makers. The windows are to be mounted and fabricated following all the instructions contained into this catalogue. The performances can be obtained only by following these instructions and operating a correct registration of all the hardwares parts. To obtain the same performances installing the product on the building a correct verification and regulation of the hardware it is required.
The Windows and doors should result to be tested according to the national norms for windows ad doors testing. The performances and the method of testing are described into the norms and building codes issued by the competent authorities.

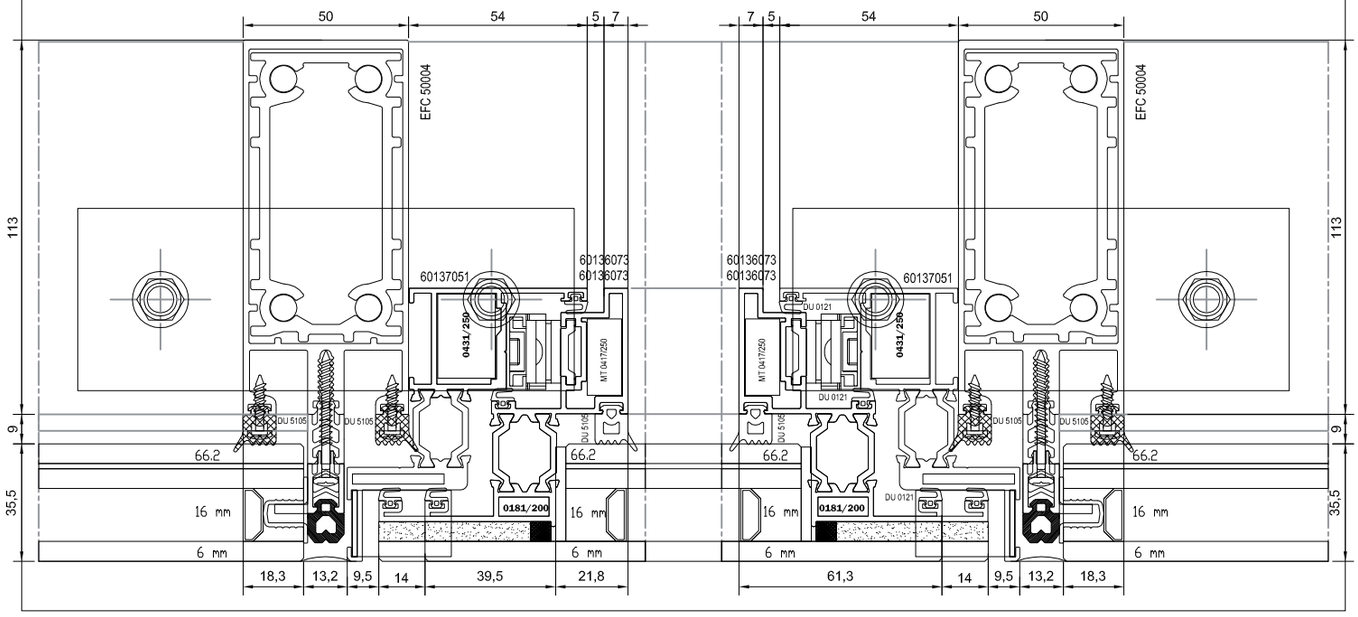


CAPITOLATI TECNICI

CURTAIN WALL 50
Thermal Design

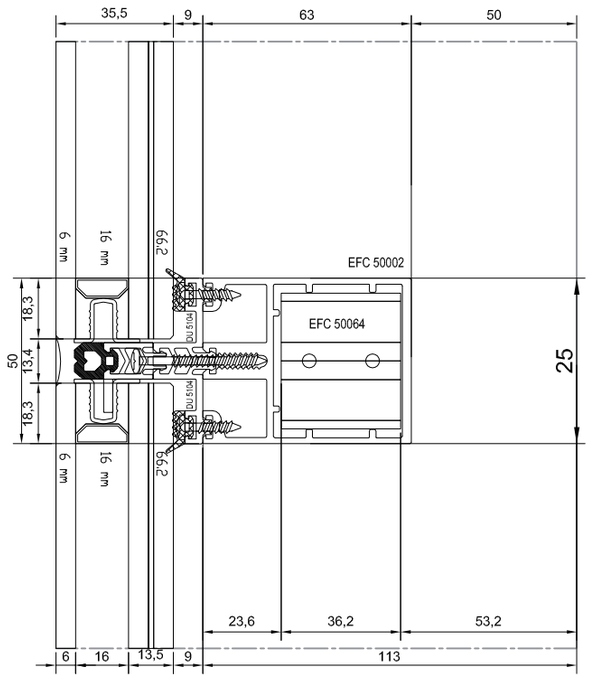


ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	**Variable Design**
STRUCTURE WIDTH:	**50 mm**
SEALING:	**BY GASKETS**
THERMAL BREAK:	**RIGID EPDM GASKETS**
ACCESSORIES:	**PROJECTING ARMS**
GLAZING:	**24 - 36 mm**
ALUMINIUM ALLOY	**AA 6063 T5**

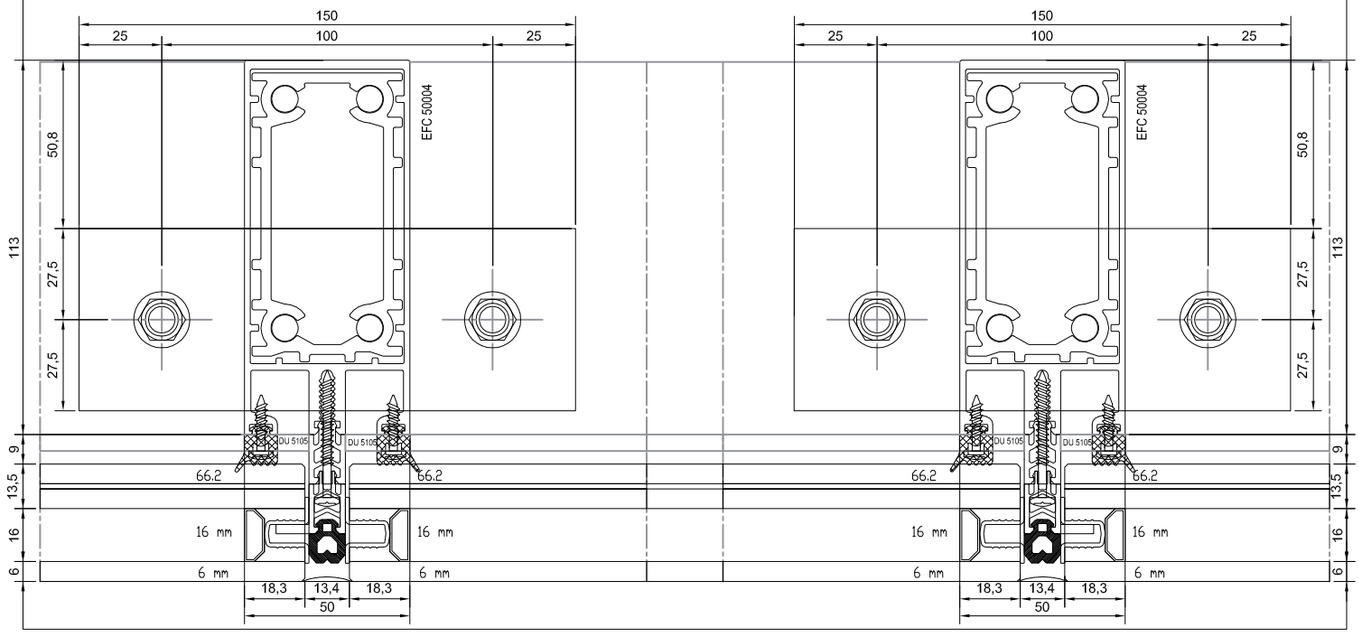


CAPITOLATI TECNICI

CURTAIN WALL 50
Thermal Design

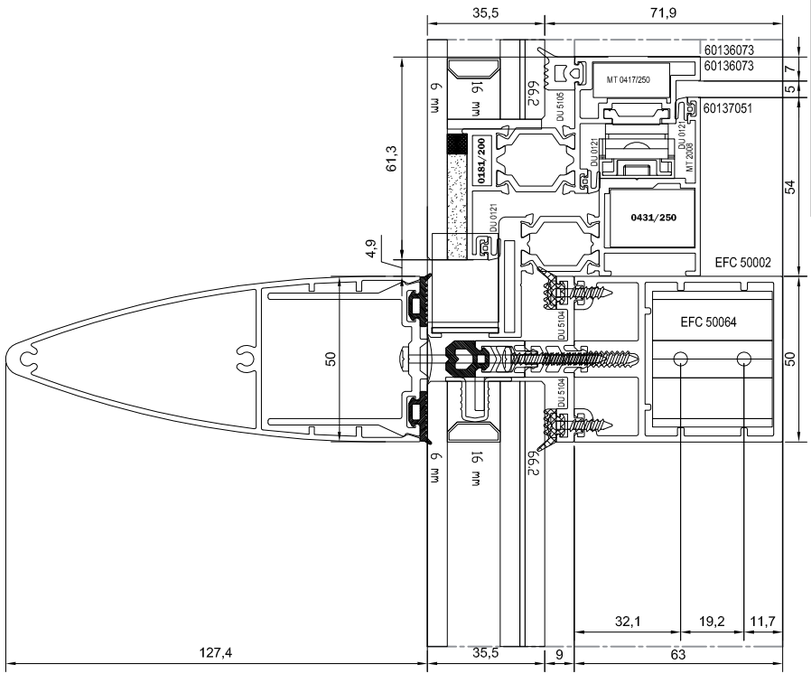


ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	Variable Design
STRUCTURE WIDTH:	50 mm
SEALING:	BY GASKETS
THERMAL BREAK:	RIGID EPDM GASKETS
ACCESSORIES:	PROJECTING ARMS
GLAZING:	24 - 36 mm
ALUMINIUM ALLOY	AA 6063 T5

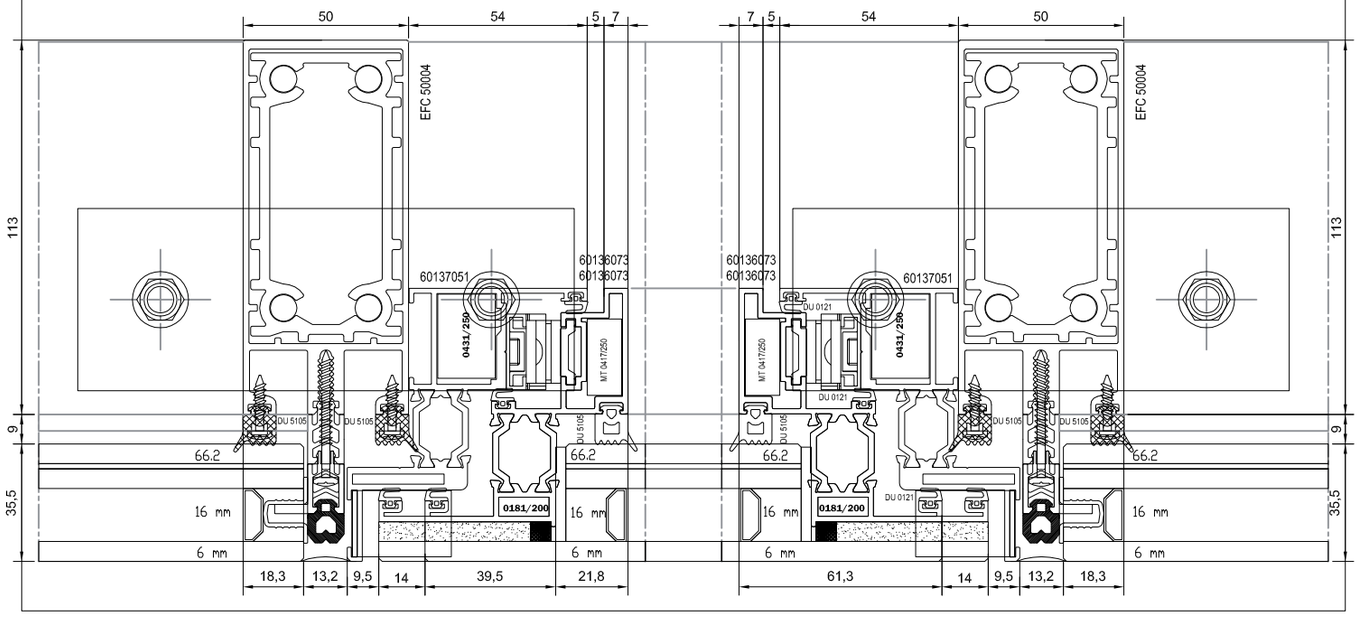


CAPITOLATI TECNICI

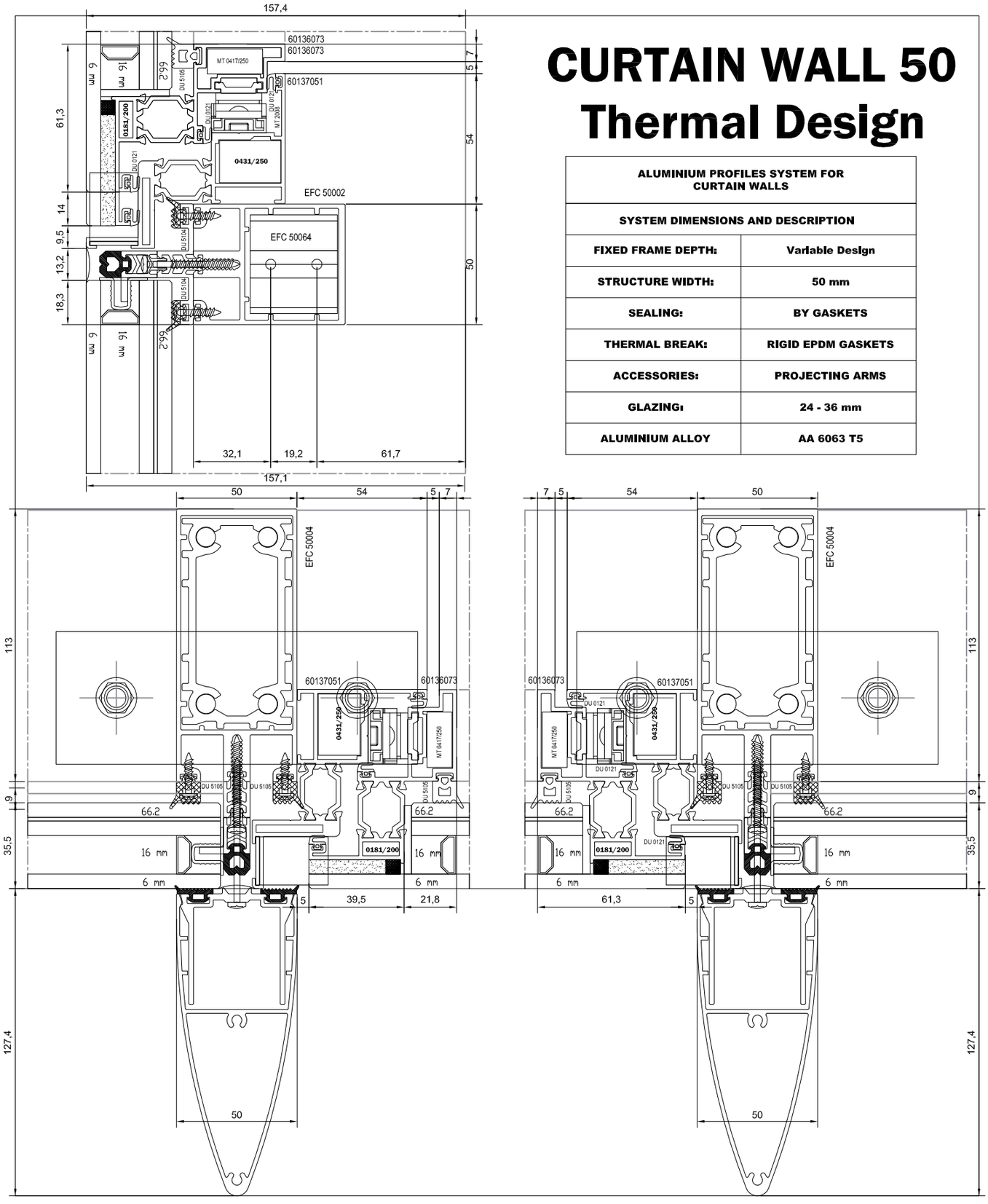
CURTAIN WALL 50
Thermal Design



ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	**Variable Design**
STRUCTURE WIDTH:	**50 mm**
SEALING:	**BY GASKETS**
THERMAL BREAK:	**RIGID EPDM GASKETS**
ACCESSORIES:	**PROJECTING ARMS**
GLAZING:	**24 - 36 mm**
ALUMINIUM ALLOY	**AA 6063 T5**



CAPITOLATI TECNICI



CURTAIN WALL 50
Thermal Design

ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	**Variable Design**
STRUCTURE WIDTH:	**50 mm**
SEALING:	**BY GASKETS**
THERMAL BREAK:	**RIGID EPDM GASKETS**
ACCESSORIES:	**PROJECTING ARMS**
GLAZING:	**24 - 36 mm**
ALUMINIUM ALLOY	**AA 6063 T5**

CAPITOLATI TECNICI

Materials:
Extruded aluminium collection for Thermal break Curtain wall.
The profiles extruded against our exclusive aluminium design conception, in alluminium alloy EN AW - 6063 (EN 573-3 e E755-2), phisical state and treatement according to EN 515. The alloys conform to the ASTM and BS norms
The Phisical state and the owen treatments of the profles correspond to the class TA - T5. The profiles are conform to the dimensional tolerances according to the norm EN 12020-2.

ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	Variable Design
STRUCTURE WIDTH:	50 mm
SEALING:	BY GASKETS
THERMAL BREAK:	RIGID EPDM GASKETS
ACCESSORIES:	PROJECTING ARMS
GLAZING:	4 - 36 mm
ALUMINIUM ALLOY	AA 6063 T5

System relevant information:
- Thermal Break Aluminium System for Curtain walls
- Glazing depth: from 4 mm up to 50 mm
- Profiles Depth: Up to 188 mm
- Profiles Design: For all type of Architectural solutions
- Sealing : By double gaskets on the interlock.
- Latching : Simple or/and multipoints.
- Hardware: Based on European accesories gap.
- Glazing Gap: From 4 mm Up to 50 mm
- Dimensions: Structure based on 50 mm width
- Models: All type of Curtain walls - Stick system

Surface Treatment:
All the surface treatment are conform to the quality lables QUALICOAT for Podwer Coating and QUALANOD for anodization.
Anodizing we guarantee the minimium thickness of 15 micron up to 25 microns according to international norms.
The powder coating is done with thermosetting and Polyesters Polymeric powders, the profiles are finished into special coating owens, where the powders reach the rigth hardness trought a heat treatment.

Surface treatment resistance:
The surface treatment done according to QUALANOAD and QUALICOAT Quality labels shall be guarantee against corrosion and surface aging degradacion for a period of 5-10 years. The surface treatments shall resist to normal and marine exposition without been effected by corrosion or loss of shiness. The most relevant factors influencing the surface treatment life lasting are the direct exposure to chemicals. The direct exposure in the front of the sea and/or salty water it may reduce the life lasting of the components. The exposure to heavy pollued environment may cause also problems. A regular cleaning with Ph neutral water and soaps increase the components life.

Safety:
In order to prevent injuries or/an accidents the wndows and doors are to be installed as displyed into this catalogue, anchoring the components to the building and using original only accessories. The fixing should be made according to the National norms for security and safety use.

Glazing and panels specifications:
Glazing should be mounted according to the catalogue drawings and selectd in accordance to the performances required in consideration of LOGO saving, safety, acustic and solar radiation factors. These performances are depending on the type of glass installed. The glass mounted shall be conform to the national norms for glazing.

Gaskets:
The gaskets used during assembling and installing the components should be only the ones created for this system and displyed in this product catalogue. The use of other gaskets or/and brushes it may cause functional and design problems. The gaskets used should be conform to the national norms for windows and doors safety applications, do not release toxic smokes in case of fire and insure the performances during all the component life lasting.

Sealing products:
All the sealing products employed during the fabrication of the components and installing the components on the building are to be conform to the specif uses for aluminium profiles and its surface treatments. Sealing products should be PH neutral and specifically studied do not start any chemical or/and corrosive reaction with the windows and doors components, accessories, gaskets and surface treatments.

Accessories:
All the accessories used for the manifacturing, mounting, functioning and installation of this system are specifically studied for this system in order to insure performances and a correct functionning of the models. The use of others accessories differents from the ones displayed in this catalogue it may effect or/and make dangerous the functionning of the component. Only the accessories studied for this system are the ones to be used.

Acustic performances:
The Acustical performances of the Windows and doors are depending on the correct mounting of all accessories and gaskets according to the catalogue specifications. The performances that you will obatain depend on various factors.
The nature of the sound, the distance of the component from the noise origin and the orientation of diffusion of the noise. The factor influencing the final performances of the window are the sound performances of the glass and the air permeability window's classification. In general to have an approsimate idea of the final performances of the components from the Certified Insulating Power expressed in dB (decibel) of the glass, you should subtract from 8 to 2 devibels (8-5-2) 8 db for the lowest classification, 5 db for a medium performance to the air and only 2 db in case the window is classified to the top performances for air permeability. Only Laboratory tests will provide you in all the case a scientific and trustable classification.

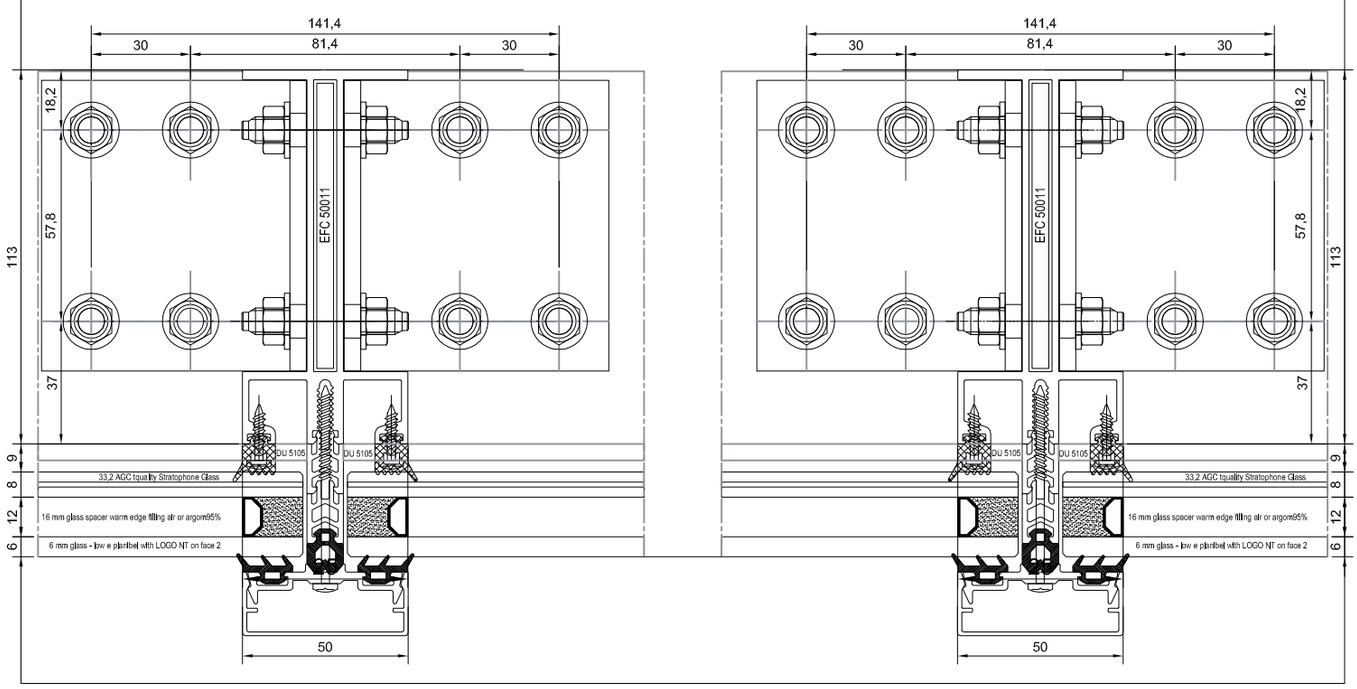
CAPITOLATI TECNICI

Thermal performances:
The Thermal performancences of the window are determinated by the Uf (Profile Thermal value), the Ug (glass thermal value) and by the surfaces of the frames (Af) and glass surface (Ag). The choice of the windows thermal performances are depending on the building code requirements and on the results on terms of LOGO saving that you need to obtain. The Thermal performances of all the windows (Uw) are to be calculated using the following approssimated formula:
Uw = (Ag Ug + Af Uf + Lg Yl) / (Ag + Af).

Mechanical strenght:
The Aluminium System and all accessories should resist to the standard loading methods of testing for windows and doors according to the national norms and codes. The method of testing is described into the norms.

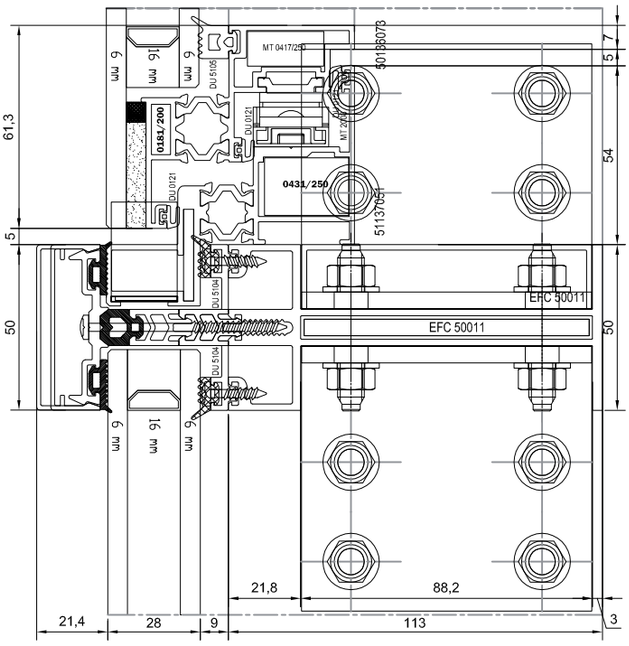
Cleaning and maintenace:
In order to maintain the components and increase the life lasting of the windows and doors and preserve the surface treatments it is required a regular and periodic cleaning. All the cleaning products are to be Ph neautral, in general good water and a netrual soap are the products to be used for the cleaning. Avoid please all products cointaining chemicals that are not tested or well identifiable, that may produce corrosive actions expecially on the surface treatments, on gaskets and also on the glass. Drive your cleaning with soft sponges, inside and outside of the window. Remouve first with only by water spraying all eventual dusts and others abrasives before to proceed with sponges and soap. Remove the soap with clean water.

Certificates and testing:
The certificates and the tests are to be obtain by the windows producer or/and the windows makers. The windows are to be mounted and fabricated following all the instructions contained into this catalogue. The performances can be obtained only by following these instructions and operating a correct registration of all the hardwares parts. To obtain the same performances installing the product on the building a correct verification and regulation of the hardware it is required.
The Windows and doors should result to be tested according to the national norms for windows ad doors testing. The performances and the method of testing are described into the norms and building codes issued by the competent authorities.

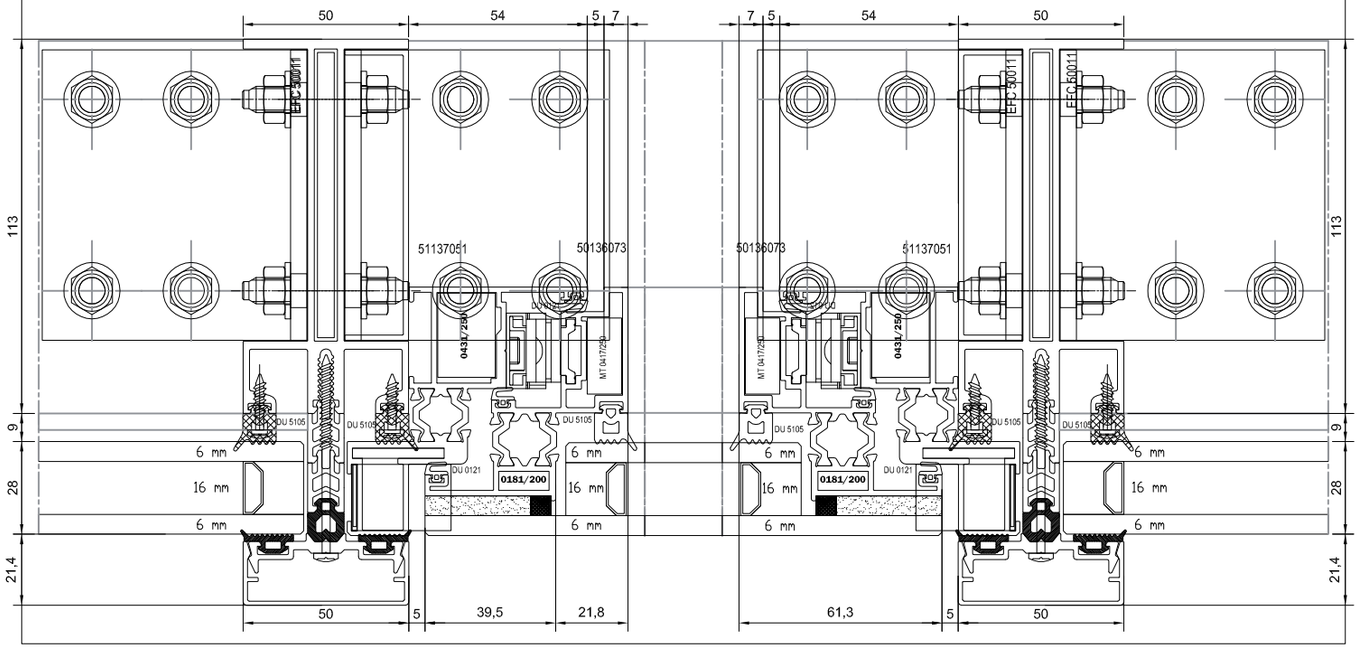


CAPITOLATI TECNICI

CURTAIN WALL 50
Steel frame

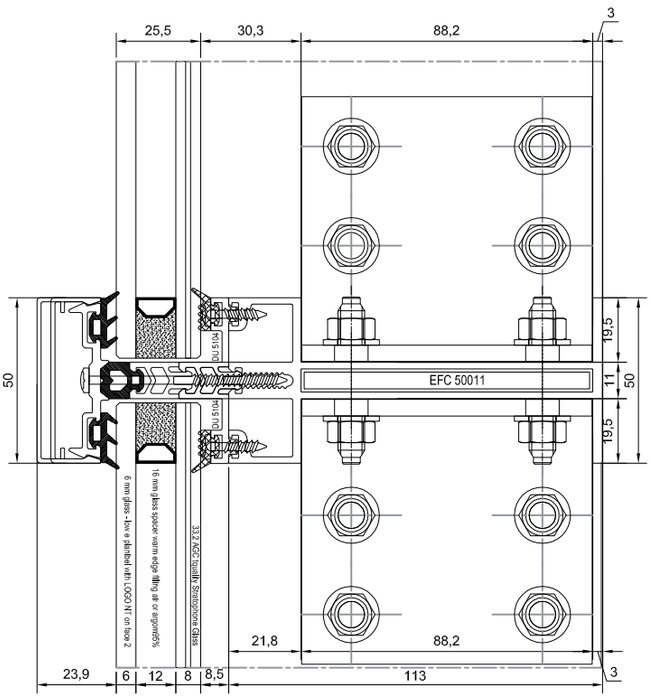


ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	Variable Design
STRUCTURE WIDTH:	50 mm
SEALING:	BY GASKETS
THERMAL BREAK:	RIGID EPDM GASKETS
ACCESSORIES:	PROJECTING ARMS
GLAZING:	4 - 36 mm
ALUMINIUM ALLOY	AA 6063 T5



CAPITOLATI TECNICI

CURTAIN WALL 50
Steel frame



ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
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STRUCTURE WIDTH:	50 mm
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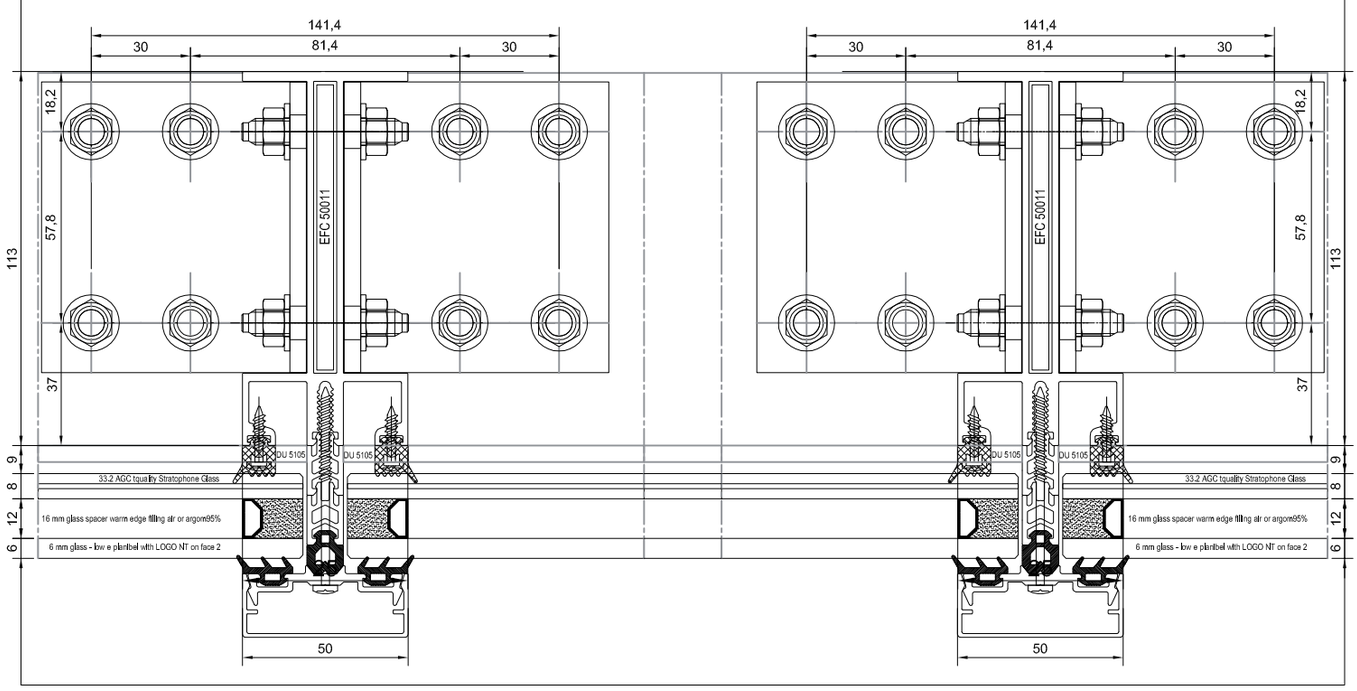
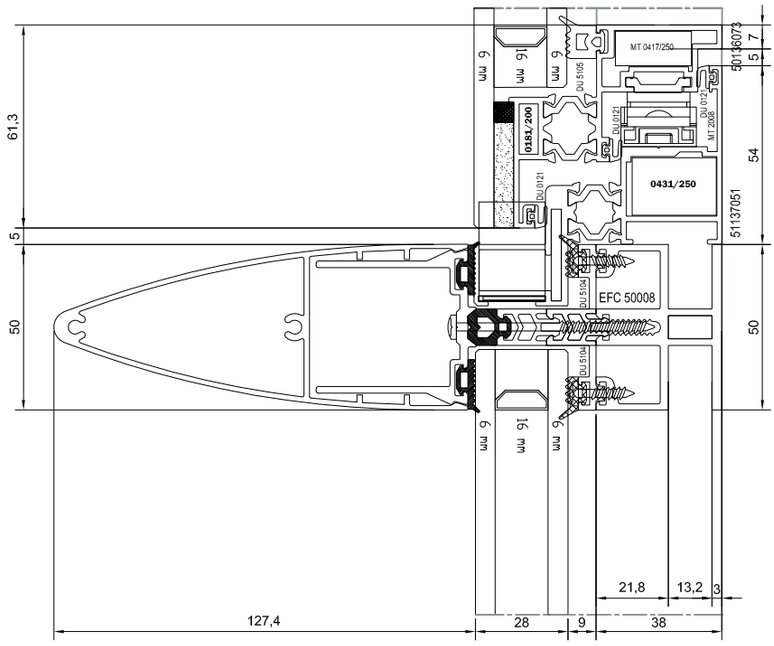
GLAZING:	4 - 36 mm
ALUMINIUM ALLOY	AA 6063 T5

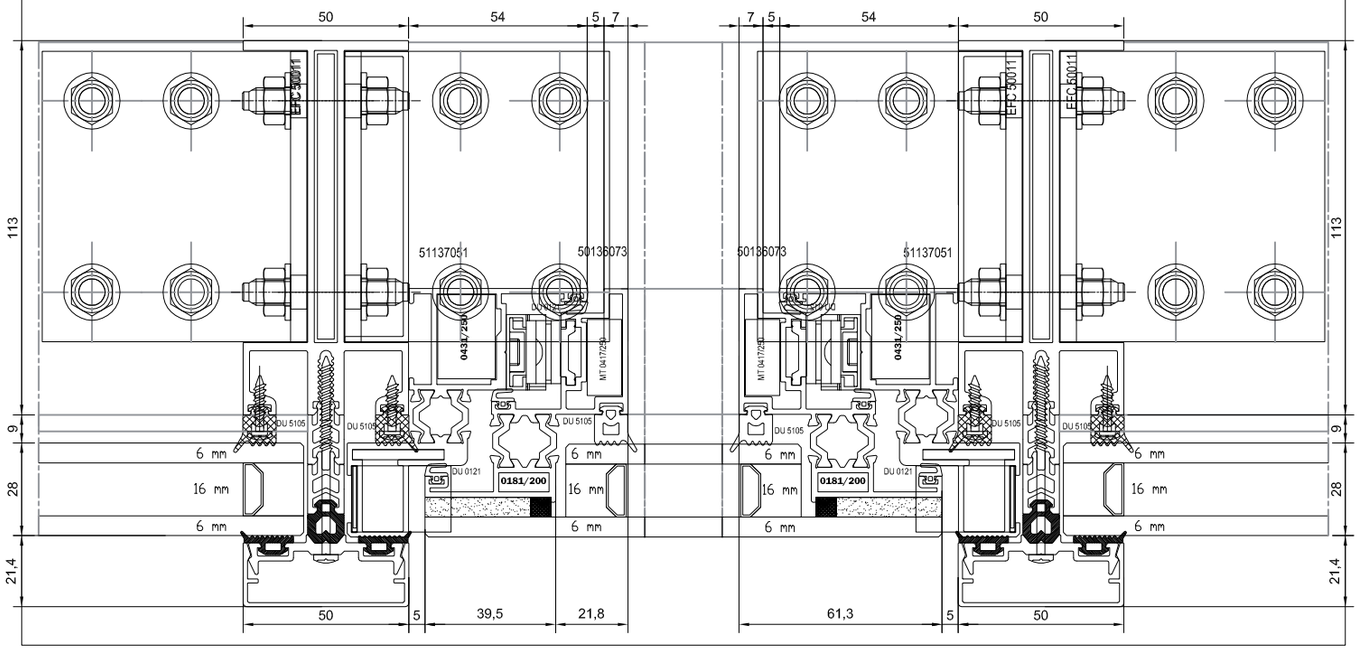


CAPITOLATI TECNICI

CURTAIN WALL 50
Steel frame



ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
SYSTEM DIMENSIONS AND DESCRIPTION	
FIXED FRAME DEPTH:	**Variable Design**
STRUCTURE WIDTH:	**50 mm**
SEALING:	**BY GASKETS**
THERMAL BREAK:	**RIGID EPDM GASKETS**
ACCESSORIES:	**PROJECTING ARMS**
GLAZING:	**4 - 36 mm**
ALUMINIUM ALLOY	**AA 6063 T5**



CAPITOLATI TECNICI

CURTAIN WALL 50
Steel frame

ALUMINIUM PROFILES SYSTEM FOR CURTAIN WALLS	
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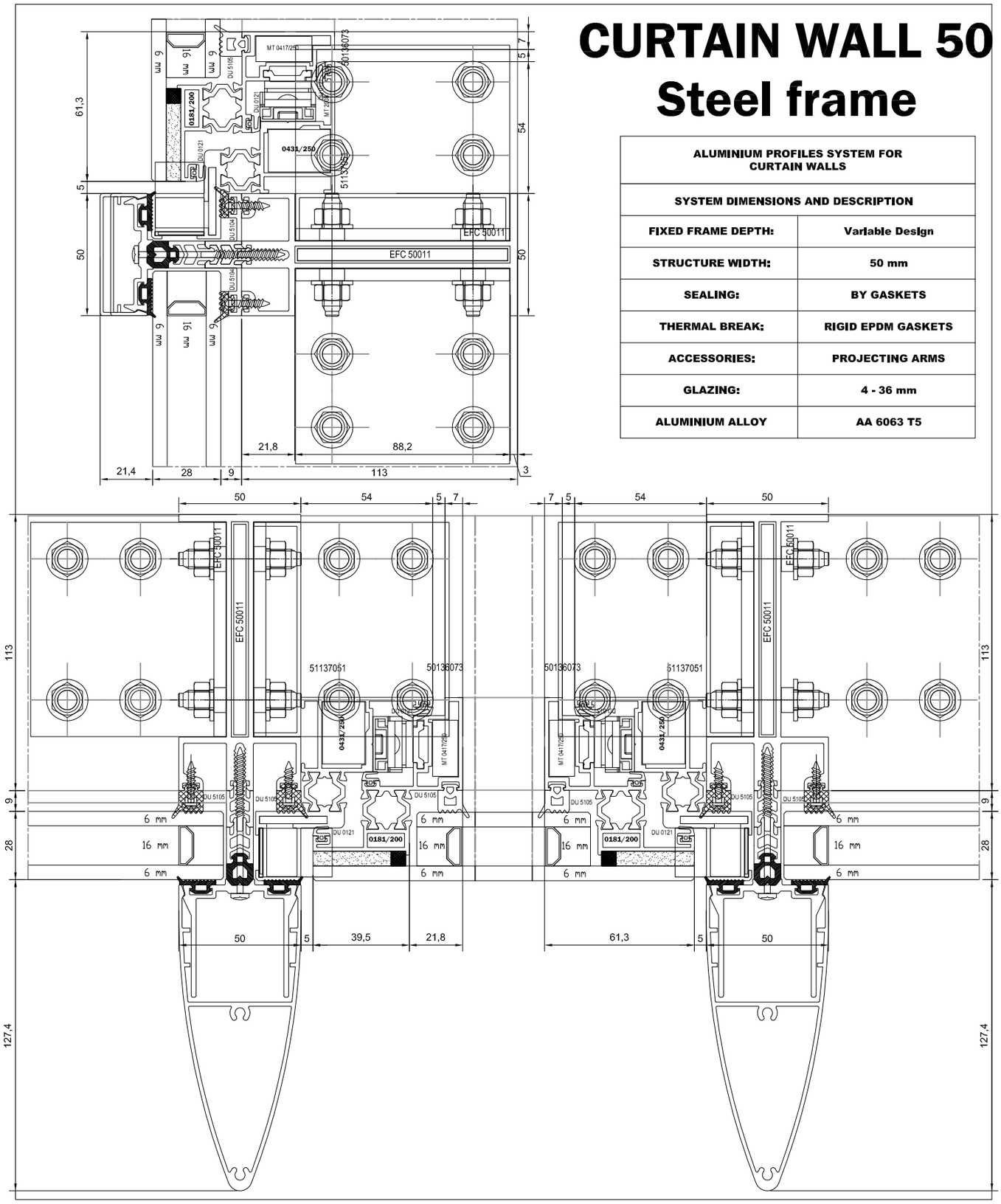


TP PROFILATI

EKOS Curtain Wall 50

ALUMINIUM COLLECTION

TERMAL BREAK COLLECTIONS

PRESTAZIONI DEL SISTEMA

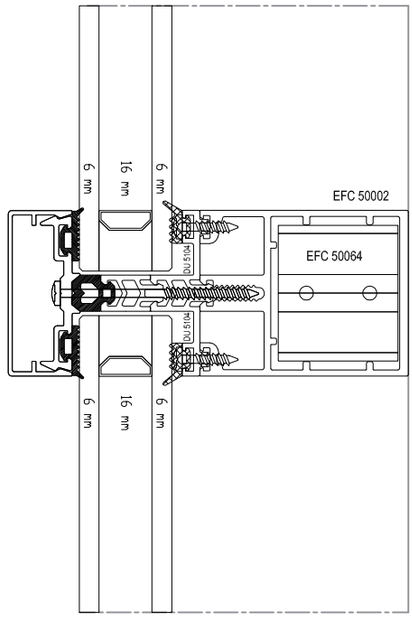
SYSTEM PERFORMANCES

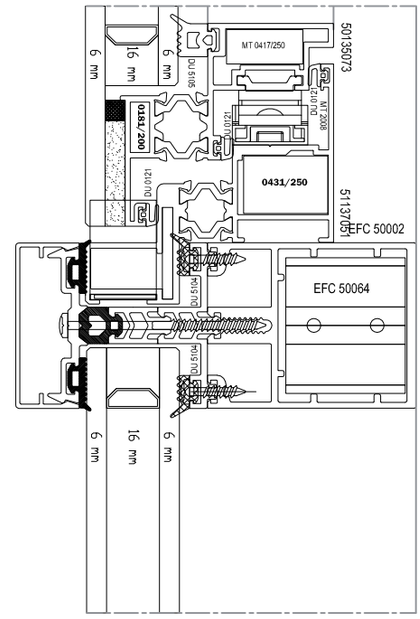
PERFORMANCES DU SYSTÈME

EKOS
ALUMINIUM COLLECTION

PRESTAZIONI TERMICHE

FRAMES THERMAL CONDUCTIVITY U Frame = ...W/(m .K) ^{2}





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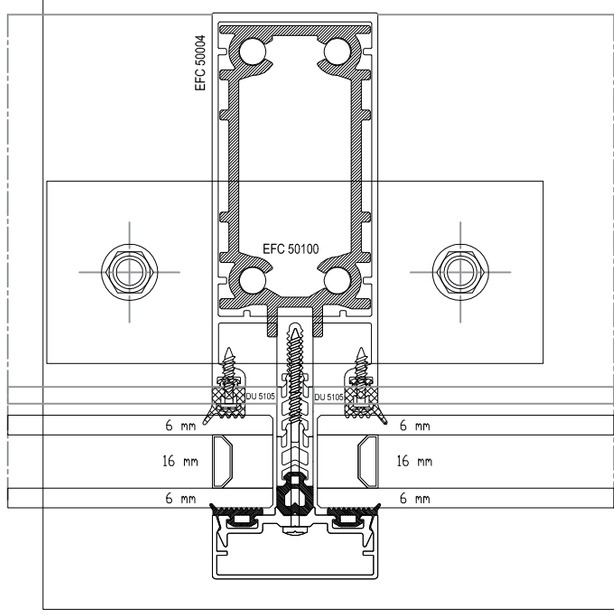

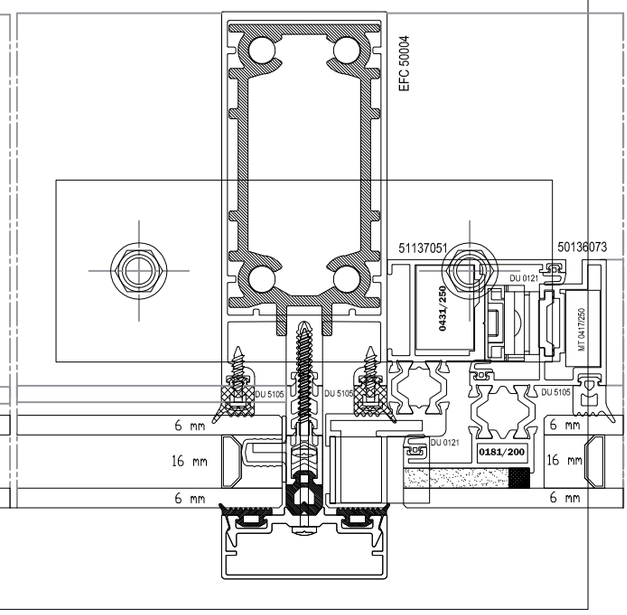

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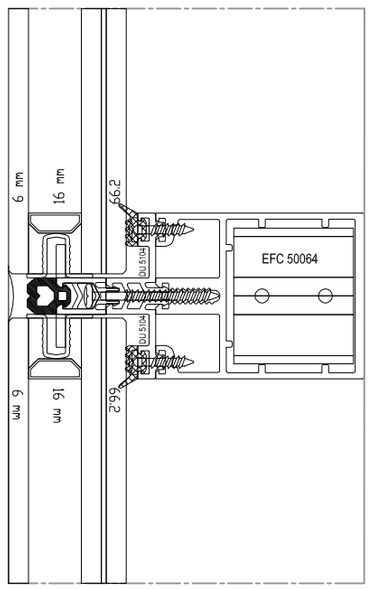

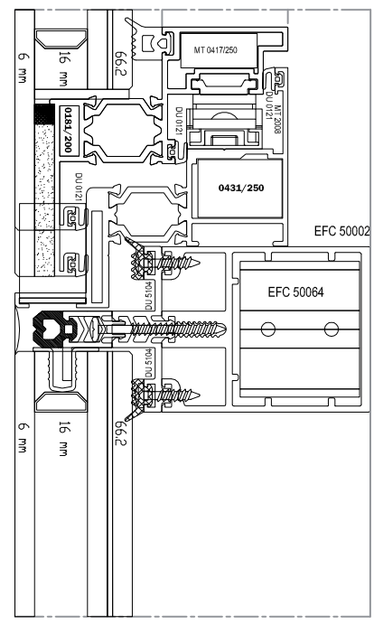

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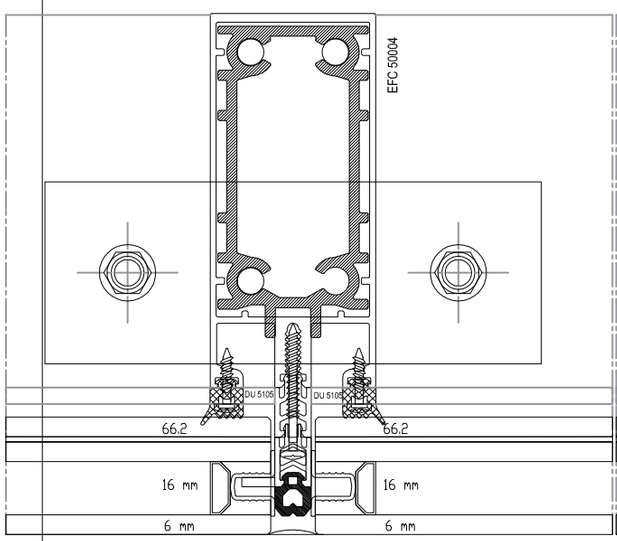

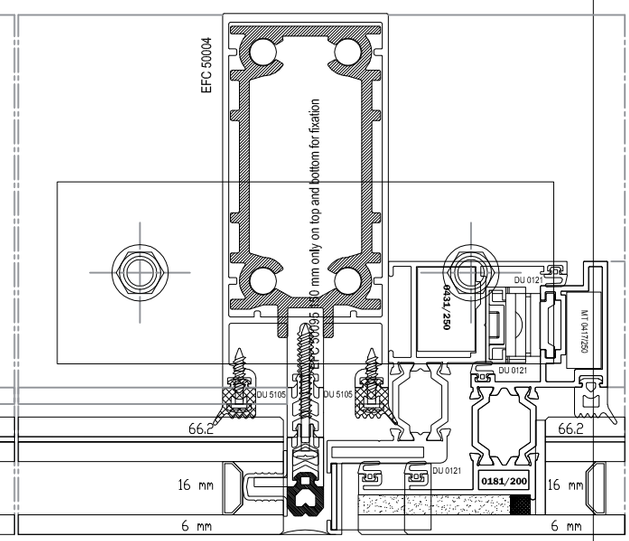

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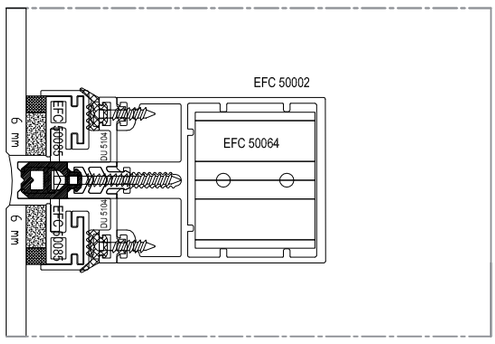

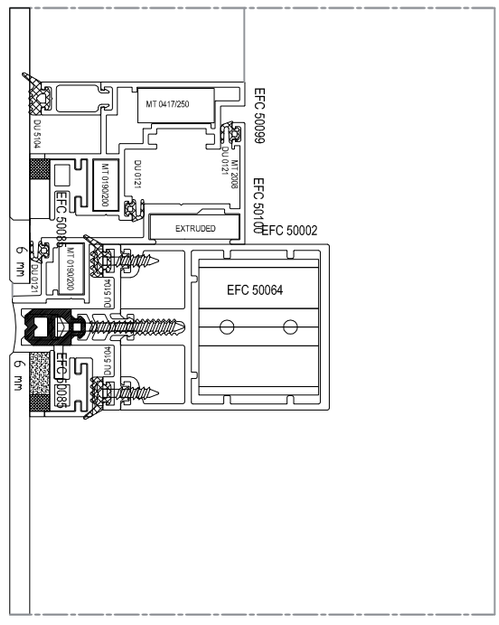

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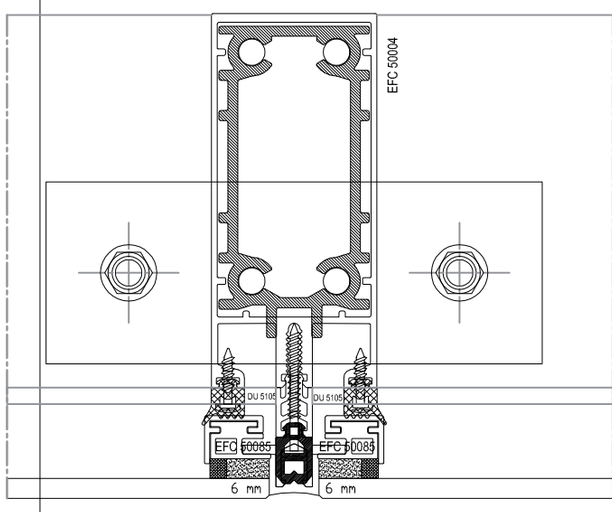

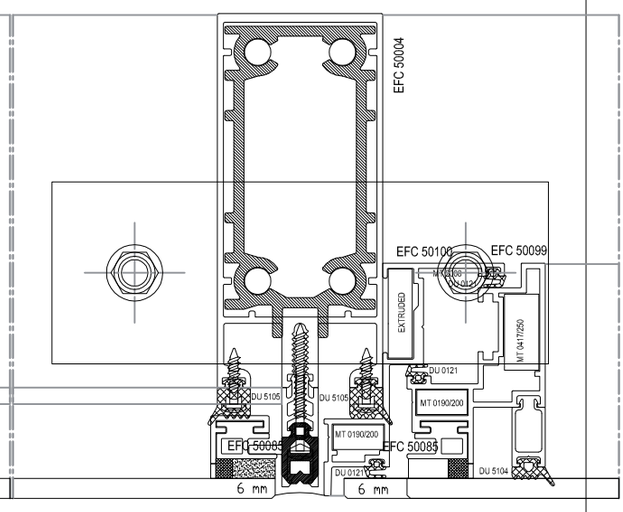

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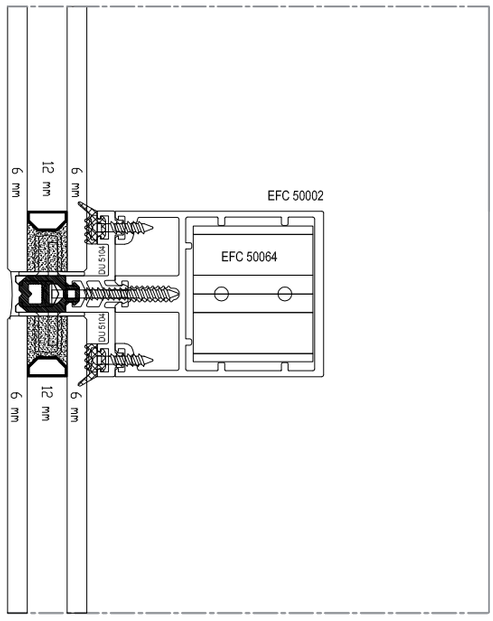

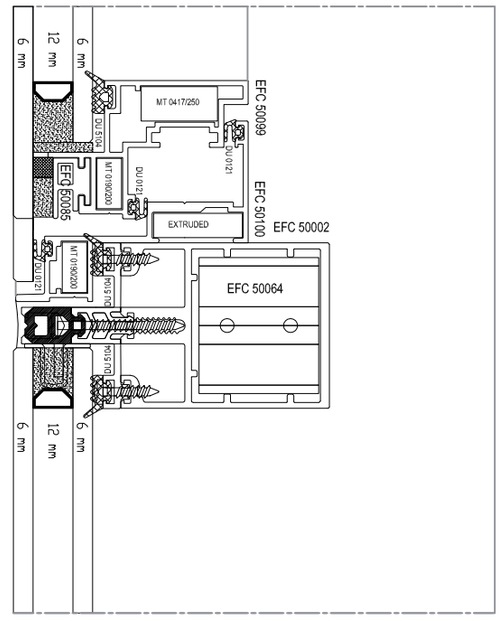

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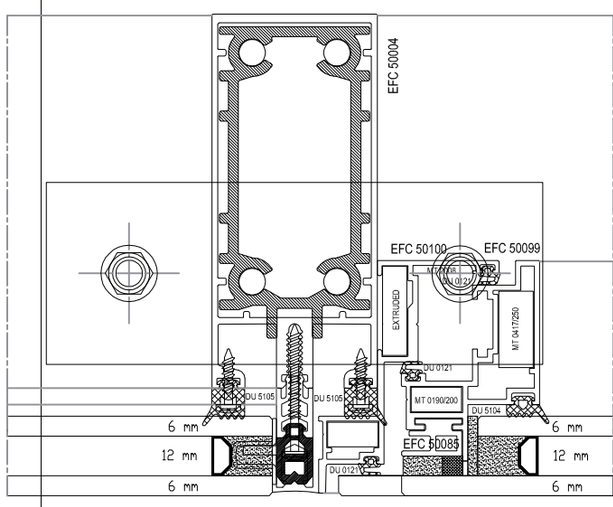

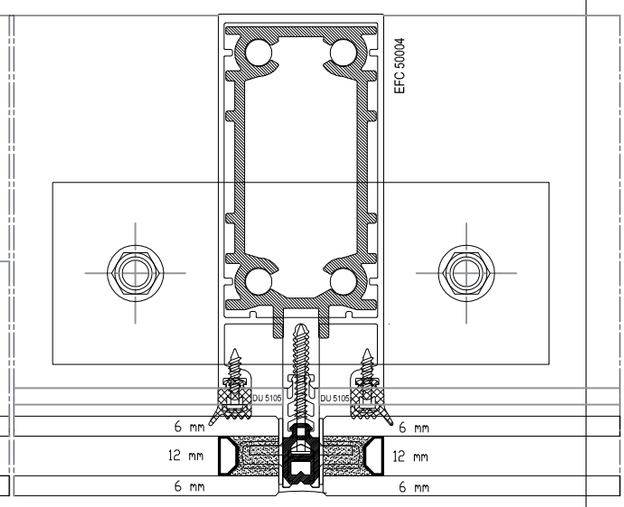

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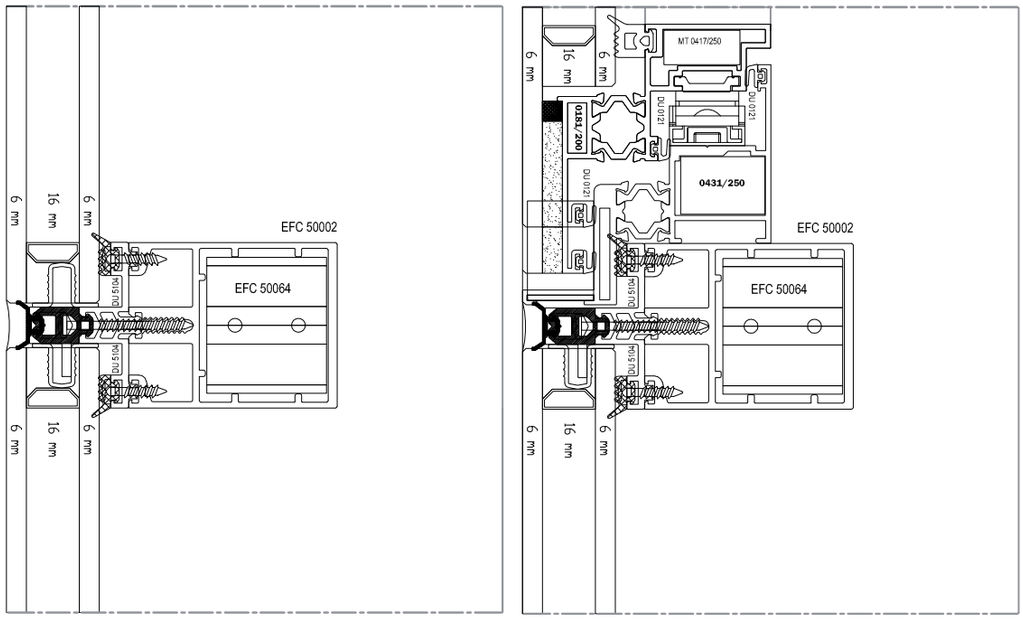

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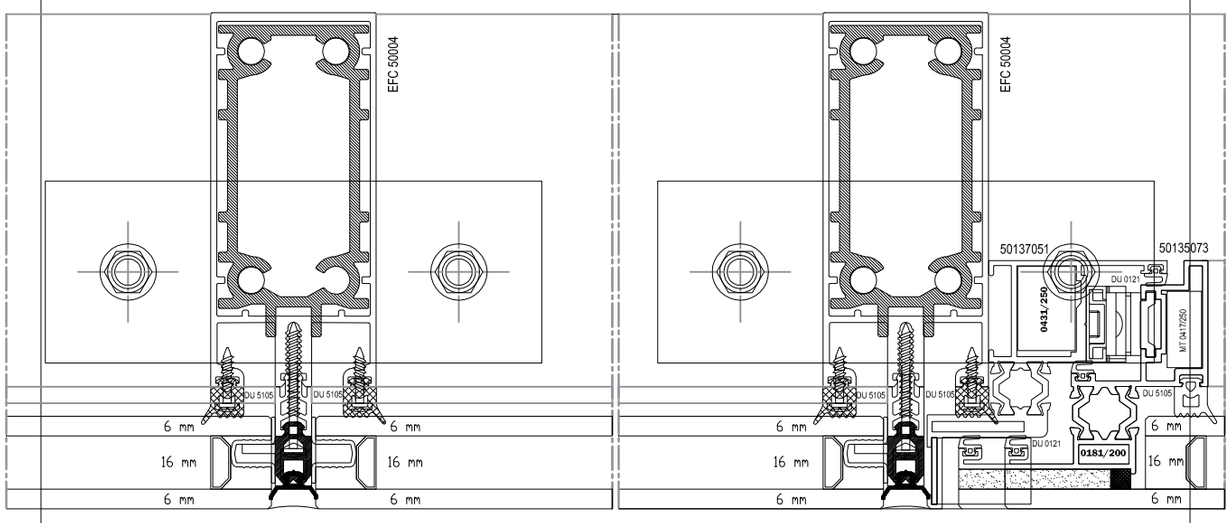

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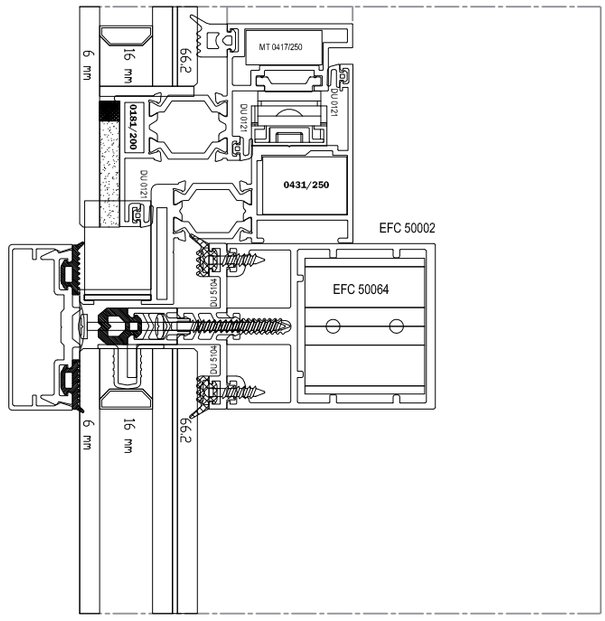

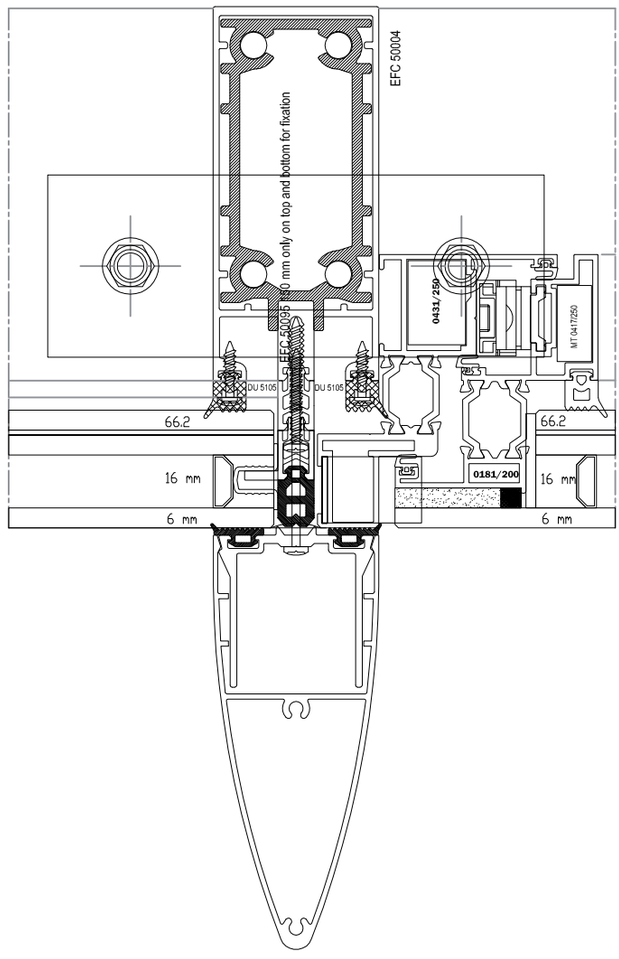

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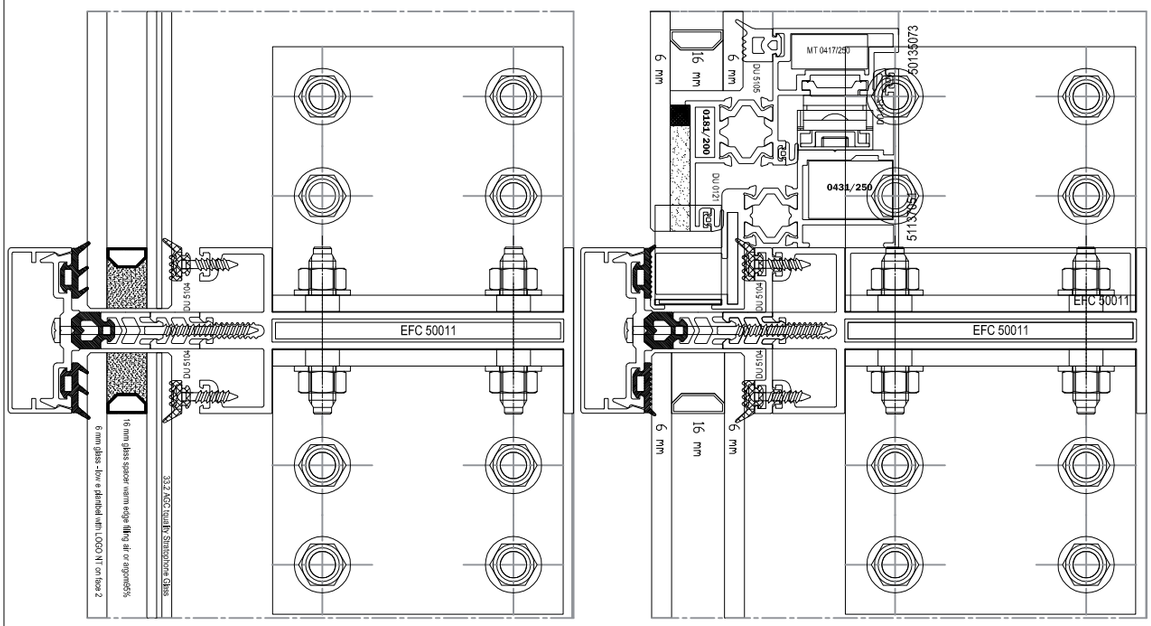

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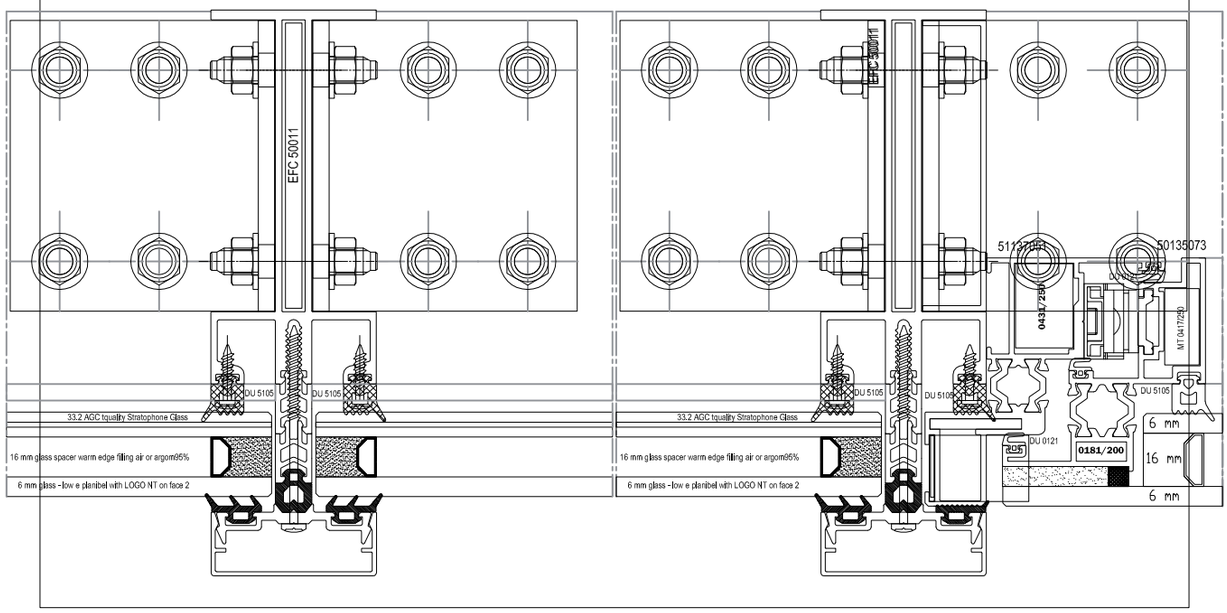

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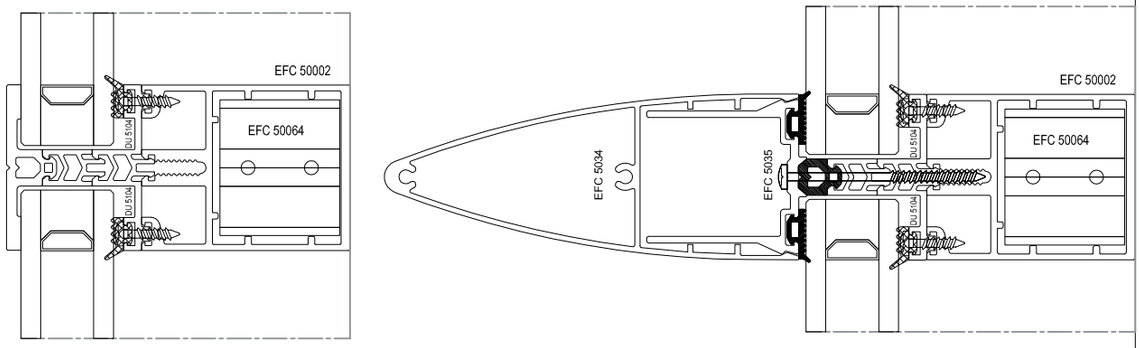

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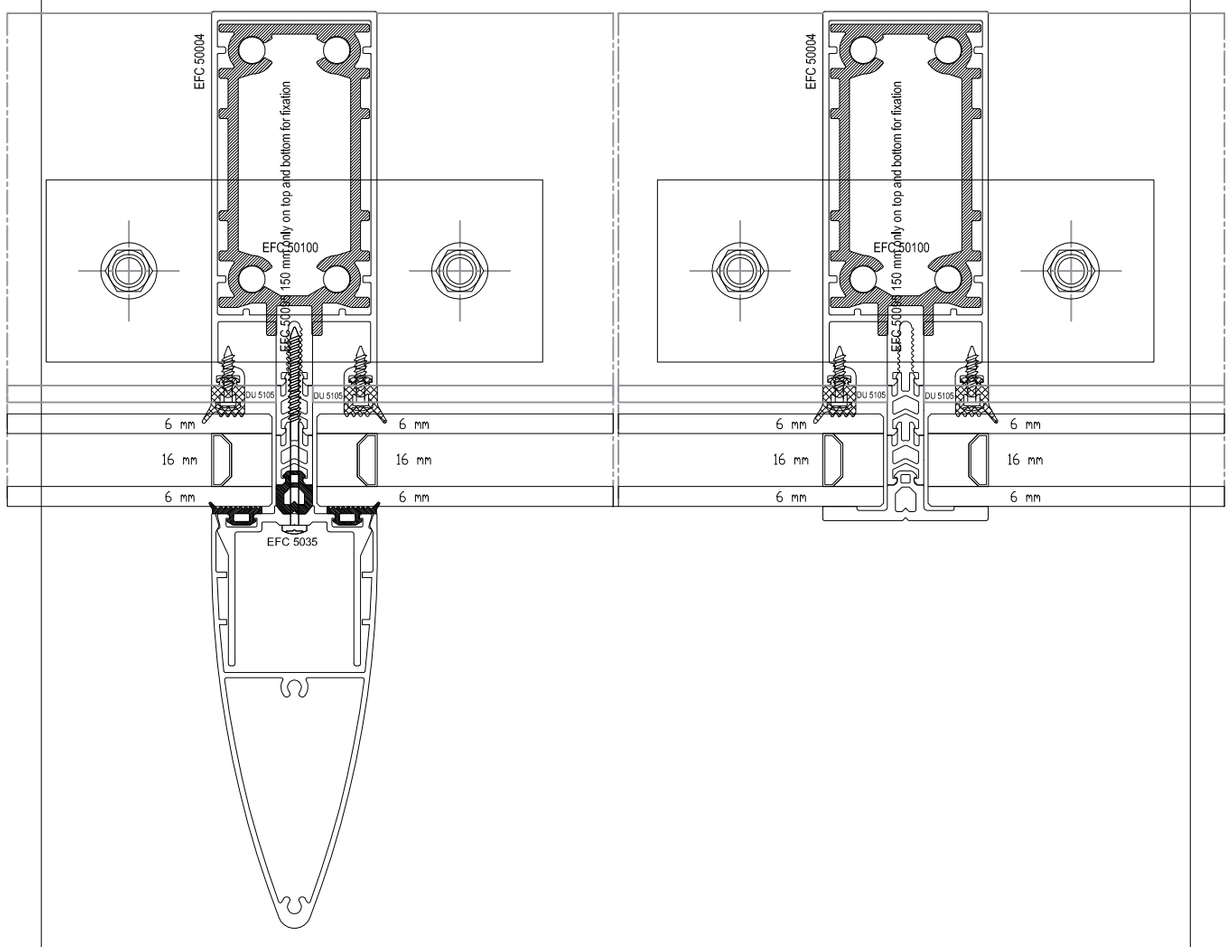

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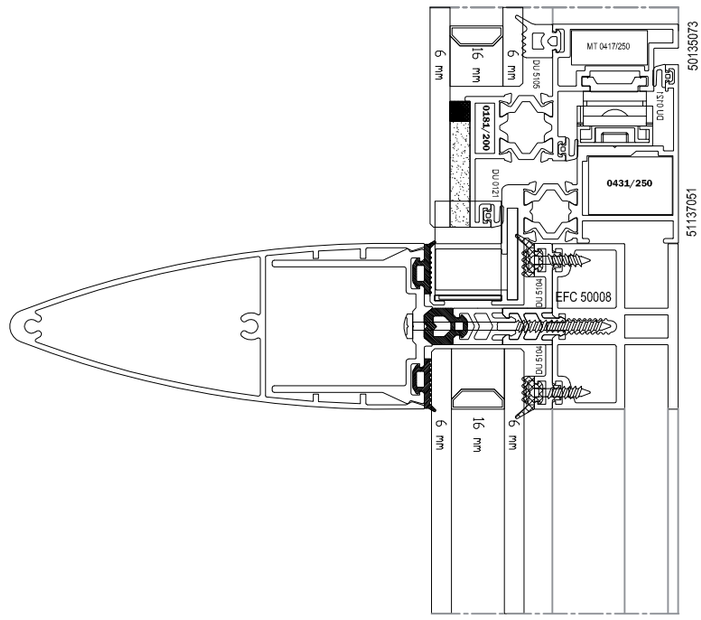

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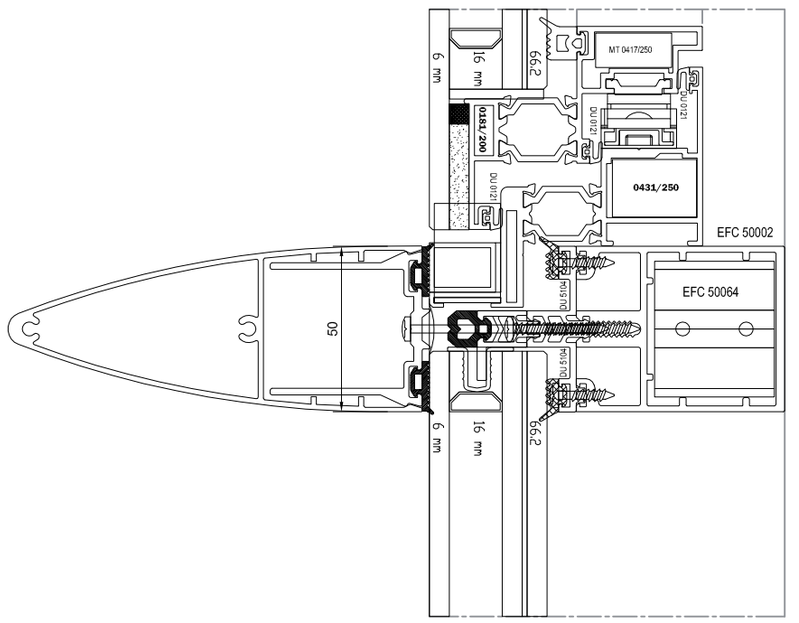


TP PROFILATI

DIMENSIONI LIMITE E DIAGRAMMI DI CARICO

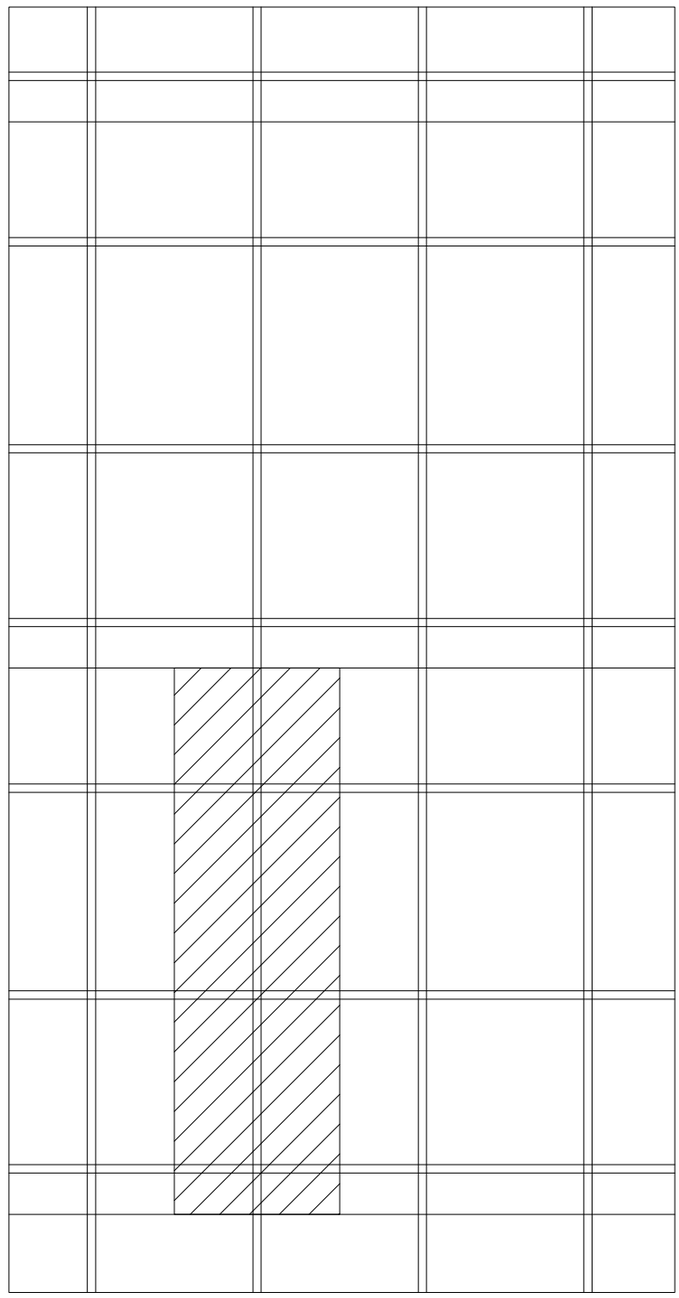
SIZES LIMITS - LOADING TABLES

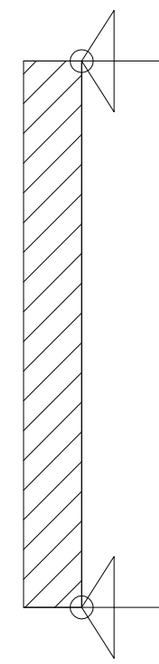
LIMITES D'EMPLOI ET DIAGRAMMES

EKOS
ALUMINIUM COLLECTION

LIMITE D'IMPIEGO - TABELLE DI CARICO

Formula :
Jx = 0,013 Q x h x h4 /(E x f) for mullions 2 supports
Jx = 0,00521 Q x h x h4 /(E x f) for mullions 3 supports
Where Q is the load = q x L/2
Where q = Wind load expressed in Kg/Sqcm
E = 700000 (constant)
f (Flessibility)= H x 1/500 (or 1/200 or others value)
ATTENTION: all units are to be in centimeters





LIMITE D'IMPIEGO - TABELLE DI CARICO

Formula :
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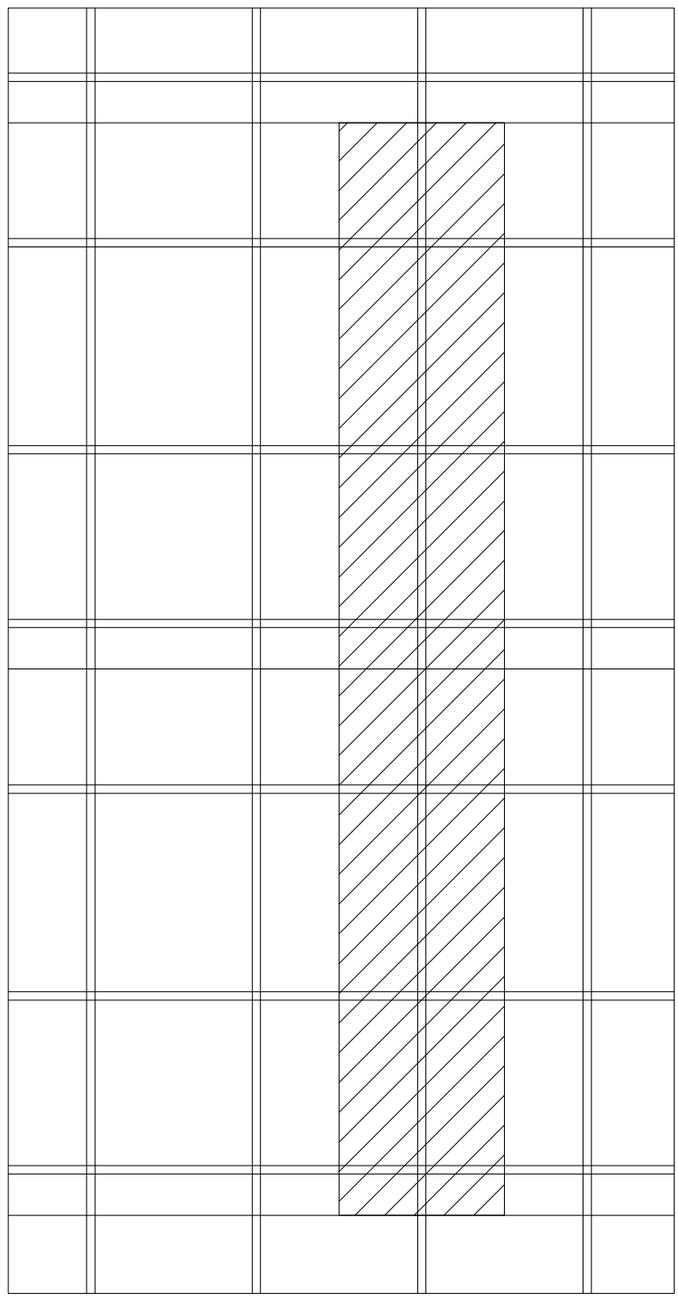
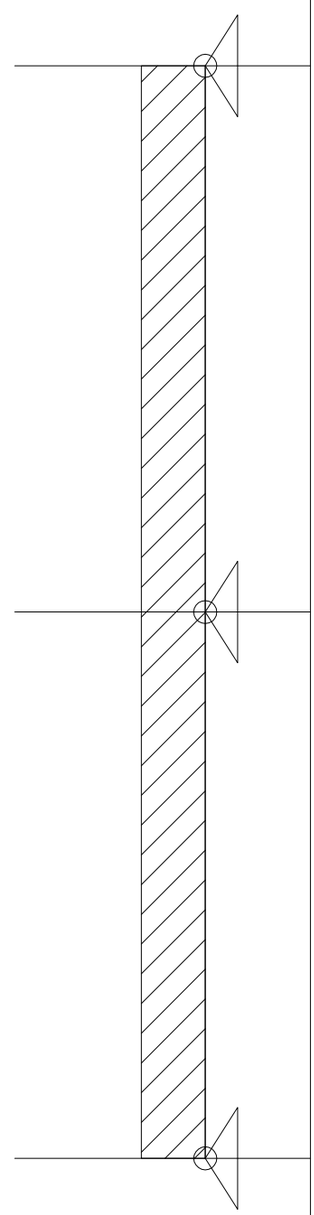




LIMITE D'IMPIEGO - TABELLE DI CARICO

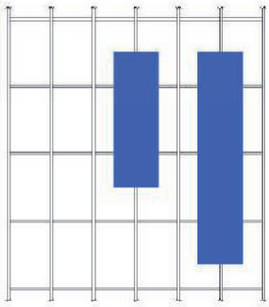
FORMULE: 1
f (cm) = 0.013 ((q h i)/ (E J))

Where you can get the J that you need
Ou vous pouvez calculer le J necessaire
Da cui si può ricavare il J necessario

FORMULE: 2
J(cm) = 0.013 ((q h i)/(E f))

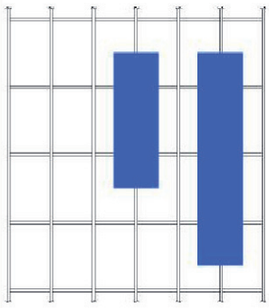
Here you can verify if the profile will resist
Formule pour verifier le choix du meneau
Formula per verifica Montanti

EXAMPLE :



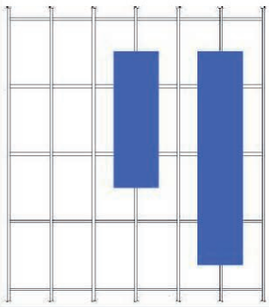
i = Interaxis
h = Heigth
q = Wind load
J = Profile Inertia
Q = Load
E = Aluminium elongation module
f = Max admisible flession < H/300

EXAMPLE :

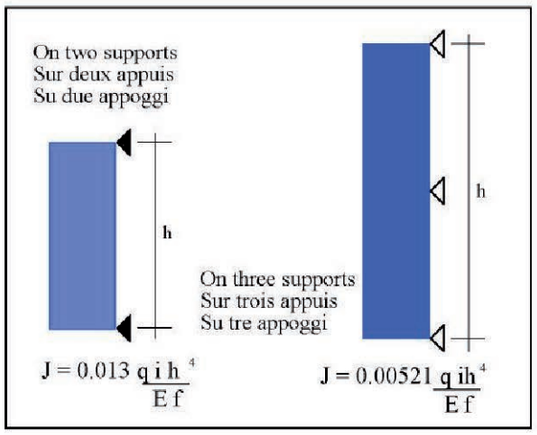


i = Entr'asse des meneaux
h = Hauteur entre les appuis
q = Pression du vent
J = Moment d'inertie
Q = Charge
E = Module d'elasticité
f = Fleche maximale < H/300

ESEMPIO :



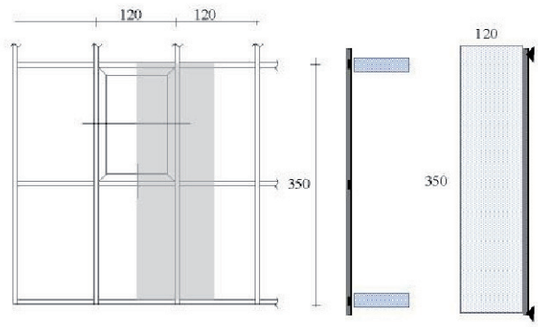
i = Interasse
h = Altezza
q = Carico del vento
J = Momento di inerzia
Q = Carico
E = Modulo di elasticità
f = Freccia massima < H/300



EXAMPLE/EXAMPLE ESEMPIO

i = 120 cm
h = 350 cm
q = 0.007 Kg/cmq
E = 700.000 Kg/cmq
f = 350/300 = 1.16

$$J = \frac{0.013 \cdot 0.007 \cdot 120 \cdot 350^{4}}{700.000 \;\; 1.16}$$

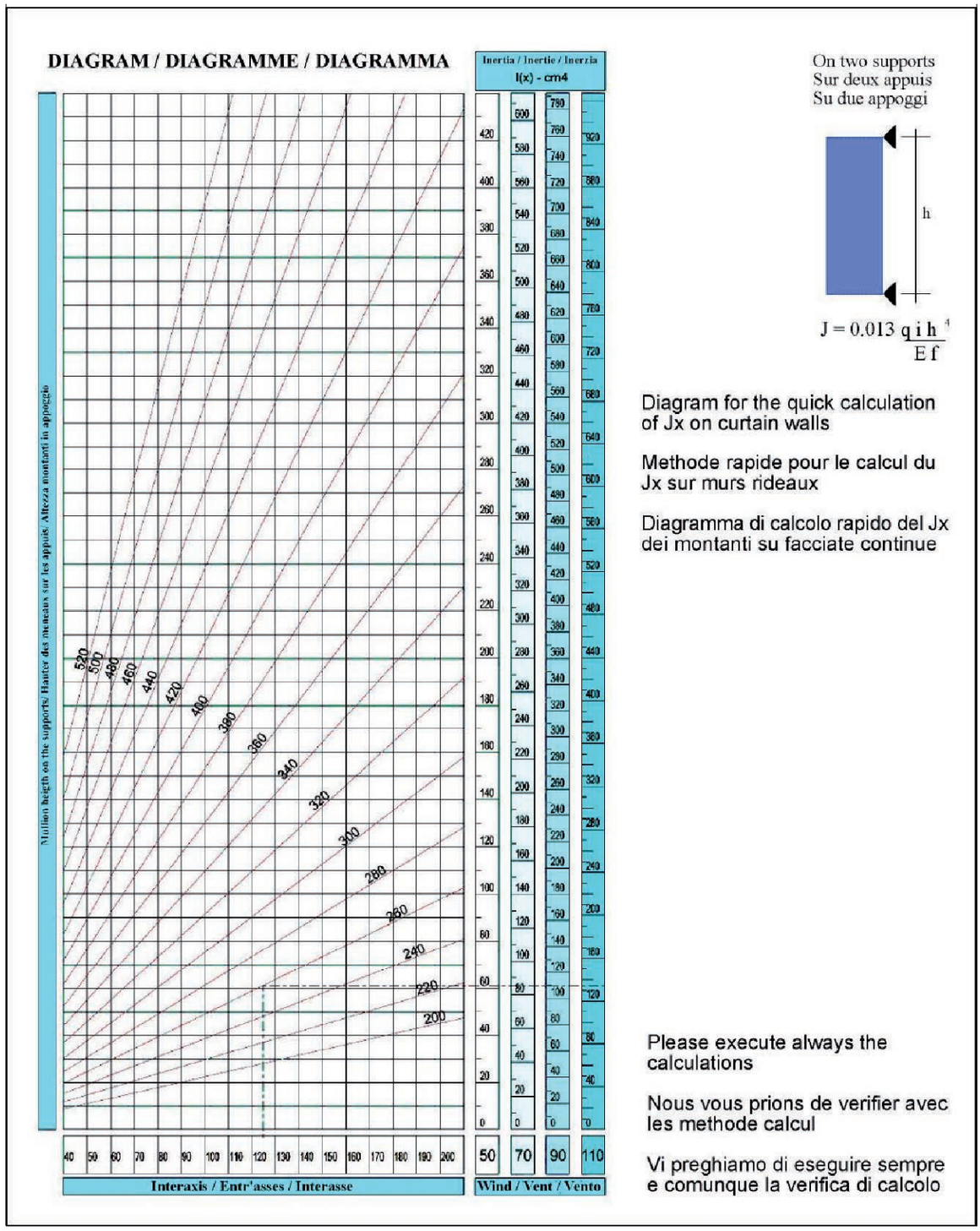


CALCULATIONS/CALCULES/CALCOLI
h= 350 cm
q= 0.007 Kg/cm^2
E= 700000Kg/cm^4
f = L/500= 350/500= 0.7 cm

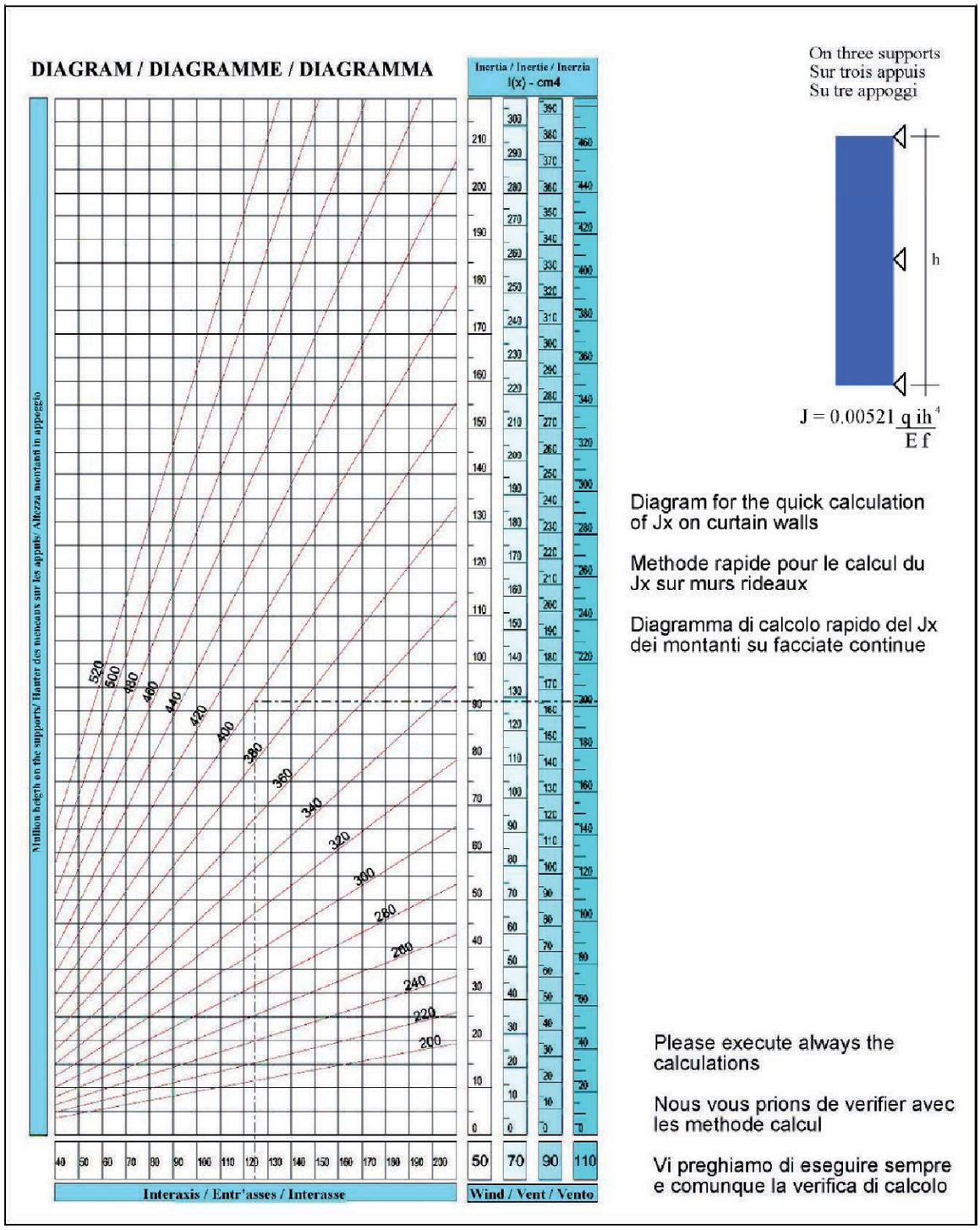
RESULTS/RESULTATS/RISULTATI

J= 0.013 ((0.007* 350 120) /(700000*0.7))=334.42Cm

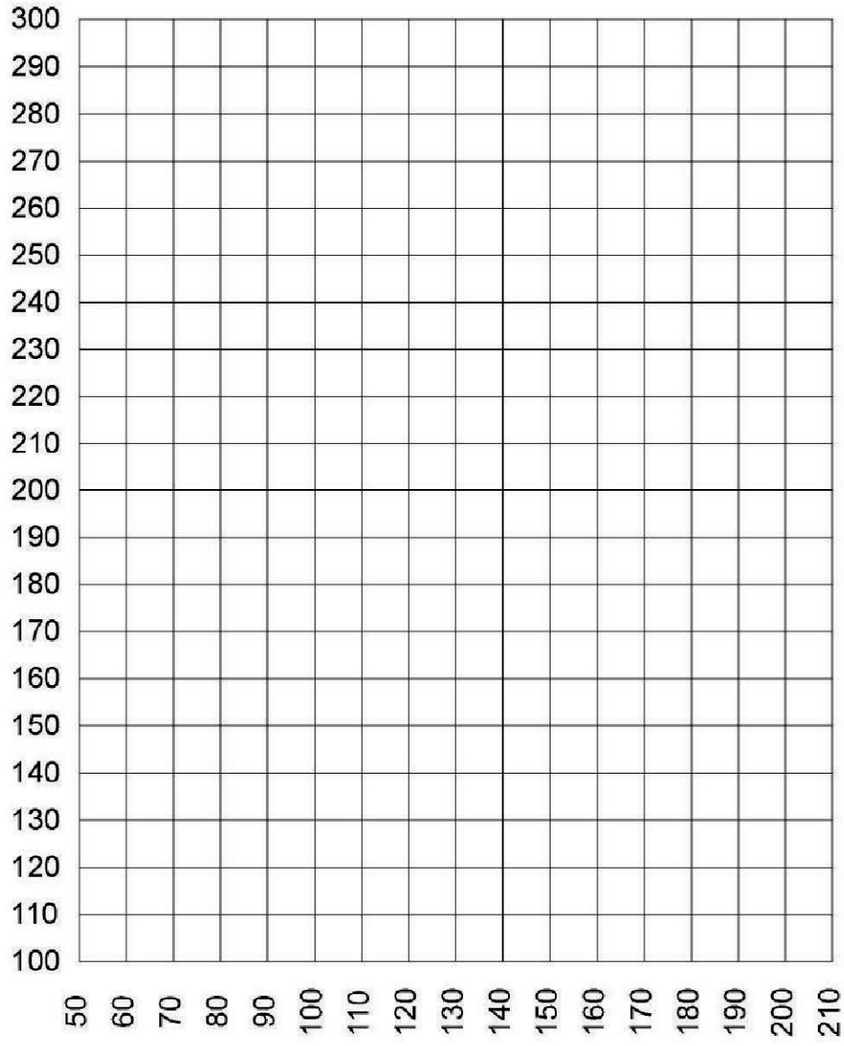
LIMITE D'IMPIEGO - TABELLE DI CARICO



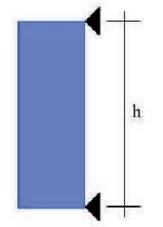
LIMITE D'IMPIEGO - TABELLE DI CARICO



LIMITE D'IMPIEGO - TABELLE DI CARICO

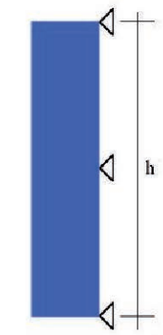


On two supports
Sur deux appuis
Su due appoggi



$$J = 0.013 \frac{q\, i\, h^4}{E\, f}$$

On three supports
Sur trois appuis
Su tre appoggi



$$J = 0,00521 \frac{q\, ih^4}{E\, f}$$

Dove Q è il carico = q x L/2
Dove q = Spinta del vento in Kg/cm²
E = 700000 (costante)
freccia= H x 1/500 (oppure 1/200 o altri valori)
ATTEZIONE: tutti i valori vanno immessi in Cm

Where Q is the load = q x L/2
Where q = Wind load expressed in Kg/cm²
E = 700000 (constant)
f (Flessibility)= H x 1/500 (or 1/200 or others value)
ATTENTION: All should be expressed Centimeters

Ou la valeur Q est = q x L/2
Ou le q = est la pousseé du vent en Kg/cm²
E = 700000 (constante)
f (Fleche)= H x 1/500 (outrement 1/200 ou d'autres)
ATTENTION: Tous les valeurs doivent etre en Cm

TO OBTAIN YOUR DIAGRAMM, PLEASE USE OUR EXCEL PROGRAMM, INTRODUCING YOUR VALUES

POUR OBTENIR VOTRE DIAGRAMME, NOUS VOUS PRIONS D'UTILISER NOTRE PROGRAMME SUR FEUILLE ELECTRONIQUE.

PER OTTENERE IL DIAGRAMMA DESIDERATO UTILIZZARE IL NOSTRO FOGLIO ELETTRONICO

LIMITE D'IMPIEGO - TABELLE DI CARICO

Formula :
Jx = 0,013 Q x h x h4 /(E x f) per montanti su 2 supporti
Jx = 0,00521 Q x h x h4 /(E x f) per montanti su 3 supporti
dove Q (carico) = q x L/2
dove q = Carico del vento espresso in Kg/cmq
E = 700000 (costante)
f (Freccia)= H x 1/500 (o 1/200 o altri valori)
ATTENZIONE: tutto deve essere espresso in Cm.

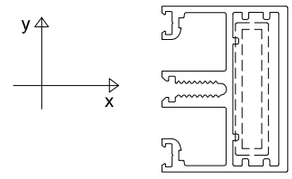
Formula :
Jx = 0,013 Q x h x h4 /(E x f) for mullions 2 supports
Jx = 0,00521 Q x h x h4 /(E x f) for mullions 3 supports
Where Q is the load = q x L/2
Where q = Wind load expressed in Kg/Sqcm
E = 700000 (constant)
f (Flessibility)= H x 1/500 (or 1/200 or others value)
ATTENTION: all units are to be in centimeters

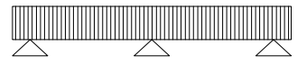
Formule :
Jx = 0,013 Q x h x h4 /(E x f) pour meneaux sur 2 supports
Jx = 0,00521 Q x h x h4 /(E x f) pour meneaux sur 3 supports
ou Q c'est le poid = q x L/2
ou q = c'est la pression du vent exprimeé en Kg/cm carreé
E = 700000 (valeur constant)
f (Fleche)= H x 1/500 (ou 1/200 ou d'autres valeurs)
ATTENTION: Les valeurs dans les formules doivent etre en centimetres

For the calculation of the required inertia of the section please use our EXCELL calculation tools.
Pour le calcule de la resistance à flession nous vous prions d'utiliser nos fichers EXCELL.
Per il calcolo del valore d'inerzia utilizzare per favore gli appositi fogli di calcolo in EXCELL da noi forniti.

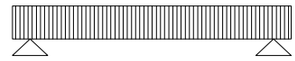
WEIGHT	g/m	
SURFACE	mm ^{2}	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5001

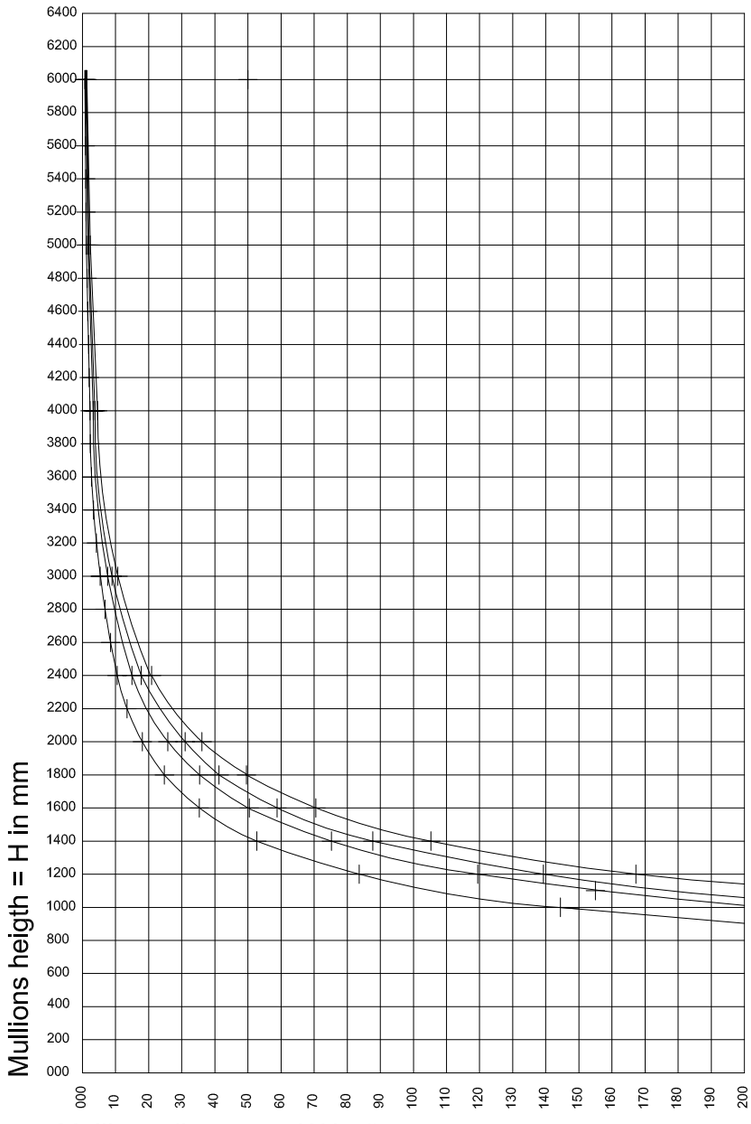




The use of this profile it is to be limited at 2 supports cases with reduced heights, it is a complemntary profile to be used as mullion for small parts of curtain wall.
The profile find his best application as transom or mullion but only to complete curtain walls parts with reduced heights.



This profile find its best application as transom, It's aplication as mullion on 2 supports it is limited to free heights between 90-150 Cm .



LIMITE D'IMPIEGO - TABELLE DI CARICO

Formula :
Jx = 0,013 Q x h x h4 /(E x f) per montanti su 2 supporti
Jx = 0,00521 Q x h x h4 /(E x f) per montanti su 3 supporti
dove Q (carico) = q x L/2
dove q = Carico del vento espresso in Kg/cmq
E = 700000 (costante)
f (Freccia)= H x 1/500 (o 1/200 o altri valori)
ATTENZIONE: tutto deve essere espresso in Cm.

Formula :
Jx = 0,013 Q x h x h4 /(E x f) for mullions 2 supports
Jx = 0,00521 Q x h x h4 /(E x f) for mullions 3 supports
Where Q is the load = q x L/2
Where q = Wind load expressed in Kg/Sqcm
E = 700000 (constant)
f (Flessibility)= H x 1/500 (or 1/200 or others value)
ATTENTION: all units are to be in centimeters

Formule :
Jx = 0,013 Q x h x h4 /(E x f) pour meneaux sur 2 supports
Jx = 0,00521 Q x h x h4 /(E x f) pour meneaux sur 3 supports
ou Q c'est le poid = q x L/2
ou q = c'est la pression du vent exprimeé en Kg/cm carreé
E = 700000 (valeur constant)
f (Fleche)= H x 1/500 (ou 1/200 ou d'autres valeurs)
ATTENTION: Les valeurs dans les formules doivent etre en centimetres

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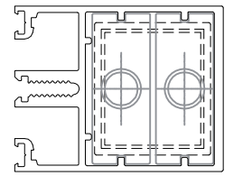
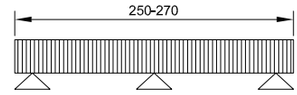
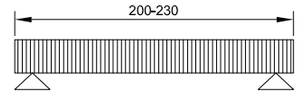
WEIGHT	g/m	
SURFACE	mm ^{2}	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5002

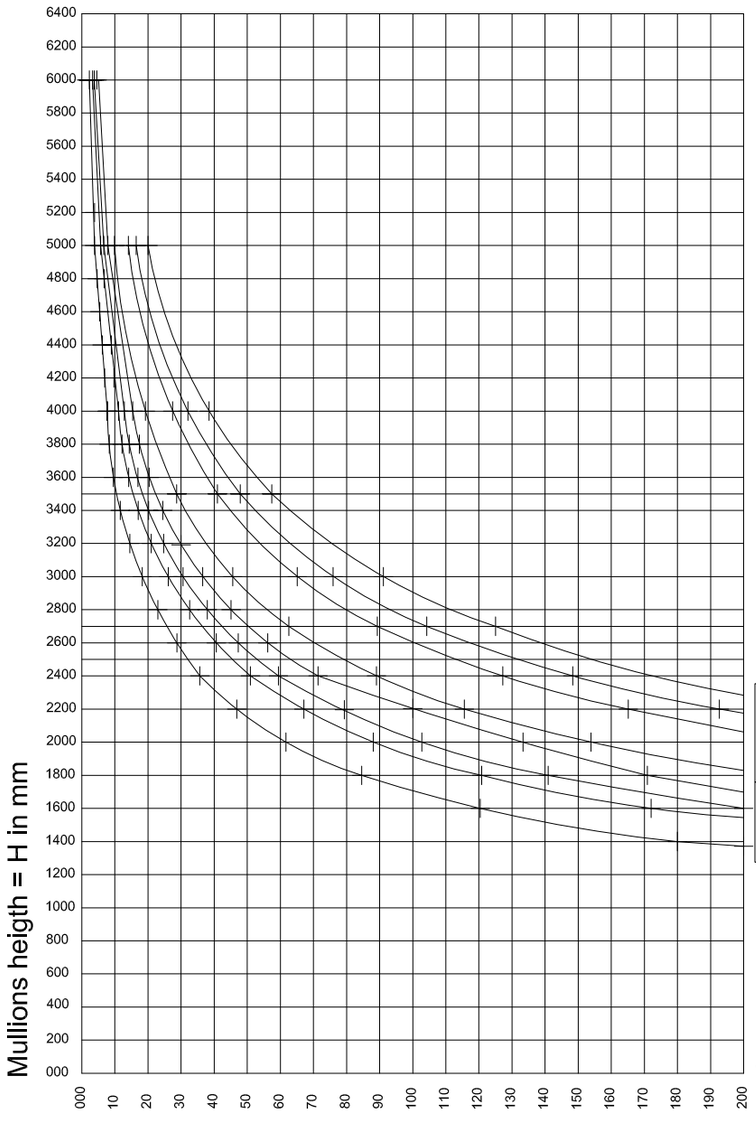




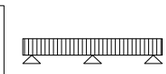
This profile can be used as main mullion in case of heights on 3 points supports of 250- 270 Cm, comporting floors distances of 125-135 Cm that are not finding pratical application been inferior to standard human sizes. The Graphic it is proposed to evidence this point. The profile cannot be used as 3 points supports mullion.



On 2 supports this profile can be apply in case of limited heights of 200-230 cm. For multilevel buildings it is better to use this profile as transom.



Admissible inflession 1/250
Admissible inflession 1/300
Admissible inflession 1/350
Admissible inflession 1/500



Admissible inflession 1/250
Admissible inflession 1/300
Admissible inflession 1/350
Admissible inflession 1/500

Wind load = 70 Kg/m²

LIMITE D'IMPIEGO - TABELLE DI CARICO

Formula :
Jx = 0,013 Q x h x h4 /(E x f) per montanti su 2 supporti
Jx = 0,00521 Q x h x h4 /(E x f) per montanti su 3 supporti
dove Q (carico) = q x L/2
dove q = Carico del vento espresso in Kg/cmq
E = 700000 (costante)
f (Freccia)= H x 1/500 (o 1/200 o altri valori)
ATTENZIONE: tutto deve essere espresso in Cm.

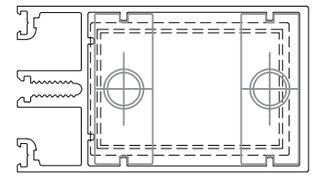
Formula :
Jx = 0,013 Q x h x h4 /(E x f) for mullions 2 supports
Jx = 0,00521 Q x h x h4 /(E x f) for mullions 3 supports
Where Q is the load = q x L/2
Where q = Wind load expressed in Kg/Sqcm
E = 700000 (constant)
f (Flessibility)= H x 1/500 (or 1/200 or others value)
ATTENTION: all units are to be in centimeters

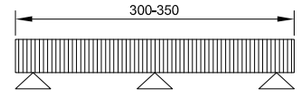
Formule :
Jx = 0,013 Q x h x h4 /(E x f) pour meneaux sur 2 supports
Jx = 0,00521 Q x h x h4 /(E x f) pour meneaux sur 3 supports
ou Q c'est le poid = q x L/2
ou q = c'est la pression du vent exprimeé en Kg/cm carreé
E = 700000 (valeur constant)
f (Fleche)= H x 1/500 (ou 1/200 ou d'autres valeurs)
ATTENTION: Les valeurs dans les formules doivent etre en centimetres

For the calculation of the required inertia of the section please use our EXCELL calculation tools.
Pour le calcule de la resistance à flession nous vous prions d'utiliser nos fichers EXCELL.
Per il calcolo del valore d'inerzia utilizzare per favore gli appositi fogli di calcolo in EXCELL da noi forniti.

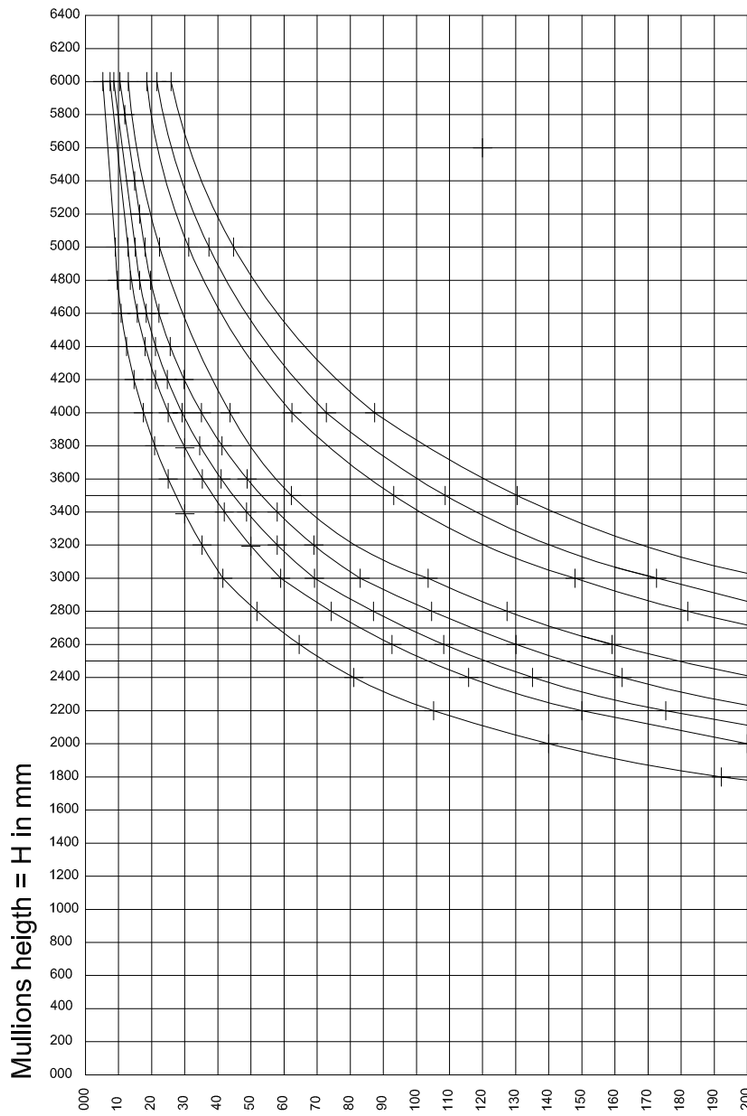
WEIGHT	g/m	
SURFACE	mm ^{2}	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5003





The profile can be used as main mullion in case of heights on 3 points supports of 300-350 Cm, comporting floors distances of 125-135 Cm that are not finding pratical application been inferior to standard floor distances.
For multilevel buildings you should use aluminium reinforcements or bigger mullions.



Admissible inflession 1/250
Admissible inflession 1/300
Admissible inflession 1/350
Admissible inflession 1/500

Admissible inflession 1/250
Admissible inflession 1/300
Admissible inflession 1/350
Admissible inflession 1/500

On 2 supports this profile can be apply in case of limited heights of 230-300 cm. in case of high rise and multilevel buildings the profile should be reinforced.
The widths on 3 supports are to small for glazing for standard floor distances.

Wind load = 70 Kg/m²

LIMITE D'IMPIEGO - TABELLE DI CARICO

Formula :
Jx = 0,013 Q x h x h4 /(E x f) per montanti su 2 supporti
Jx = 0,00521 Q x h x h4 /(E x f) per montanti su 3 supporti
dove Q (carico) = q x L/2
dove q = Carico del vento espresso in Kg/cmq
E = 700000 (costante)
f (Freccia)= H x 1/500 (o 1/200 o altri valori)
ATTENZIONE: tutto deve essere espresso in Cm.

Formula :
Jx = 0,013 Q x h x h4 /(E x f) for mullions 2 supports
Jx = 0,00521 Q x h x h4 /(E x f) for mullions 3 supports
Where Q is the load = q x L/2
Where q = Wind load expressed in Kg/Sqcm
E = 700000 (constant)
f (Flessibility)= H x 1/500 (or 1/200 or others value)
ATTENTION: all units are to be in centimeters

Formule :
Jx = 0,013 Q x h x h4 /(E x f) pour meneaux sur 2 supports
Jx = 0,00521 Q x h x h4 /(E x f) pour meneaux sur 3 supports
ou Q c'est le poid = q x L/2
ou q = c'est la pression du vent exprimeé en Kg/cm carreé
E = 700000 (valeur constant)
f (Fleche)= H x 1/500 (ou 1/200 ou d'autres valeurs)
ATTENTION: Les valeurs dans les formules doivent etre en centimetres

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Pour le calcule de la resistance à flession nous vous prions d'utiliser nos fichers EXCELL.
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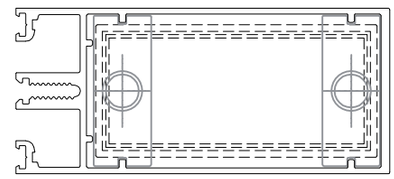
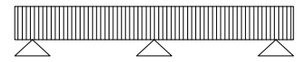
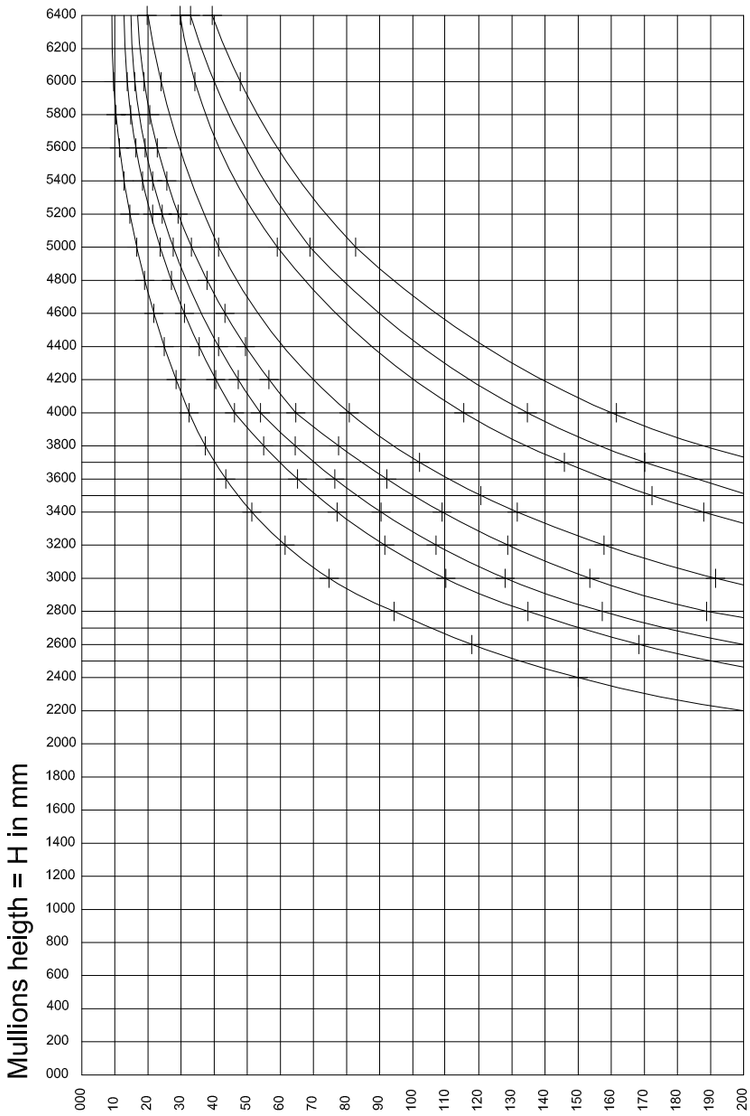
WEIGHT	g/m	
SURFACE	mm ^{2}	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5004





The standard use of this profile as mullion it is in case where the free floor heights it is between 350 and 450 Cm. This profile cannot be apply as multilevel mullion unless it will be reinforced.



Admissible inflession 1/250
Admissible inflession 1/300
Admissible inflession 1/350
Admissible inflession 1/500

Admissible inflession 1/250
Admissible inflession 1/300
Admissible inflession 1/350
Admissible inflession 1/500

On 2 supports this profile can be apply in case of free heights of 300-350 cm. In case of high rise buildings the profile can be apply on 3 points supports but only using aluminium reinforcements.

Wind load = 70 Kg/m²

LIMITE D'IMPIEGO - TABELLE DI CARICO

Formula :
Jx = 0,013 Q x h x h4 /(E x f) per montanti su 2 supporti
Jx = 0,00521 Q x h x h4 /(E x f) per montanti su 3 supporti
dove Q (carico) = q x L/2
dove q = Carico del vento espresso in Kg/cmq
E = 700000 (costante)
f (Freccia)= H x 1/500 (o 1/200 o altri valori)
ATTENZIONE: tutto deve essere espresso in Cm.

Formula :
Jx = 0,013 Q x h x h4 /(E x f) for mullions 2 supports
Jx = 0,00521 Q x h x h4 /(E x f) for mullions 3 supports
Where Q is the load = q x L/2
Where q = Wind load expressed in Kg/Sqcm
E = 700000 (constant)
f (Flessibility)= H x 1/500 (or 1/200 or others value)
ATTENTION: all units are to be in centimeters

Formule :
Jx = 0,013 Q x h x h4 /(E x f) pour meneaux sur 2 supports
Jx = 0,00521 Q x h x h4 /(E x f) pour meneaux sur 3 supports
ou Q c'est le poid = q x L/2
ou q = c'est la pression du vent exprimeé en Kg/cm carreé
E = 700000 (valeur constant)
f (Fleche)= H x 1/500 (ou 1/200 ou d'autres valeurs)
ATTENTION: Les valeurs dans les formules doivent etre en centimetres

For the calculation of the required inertia of the section please use our EXCELL calculation tools.
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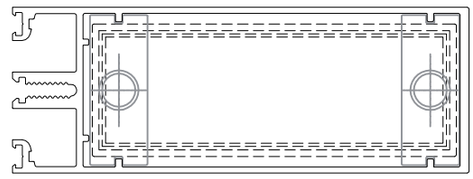
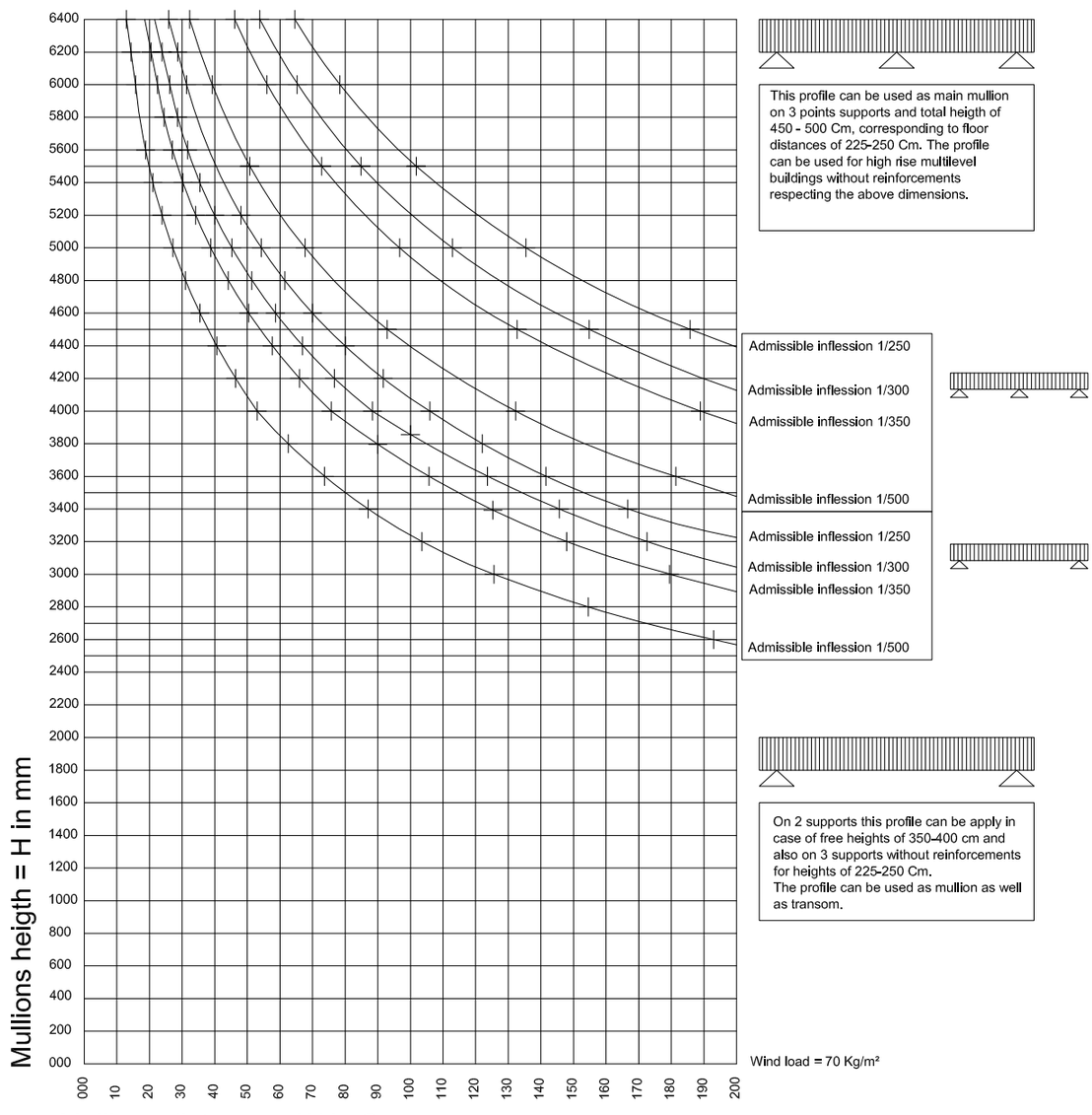
Per il calcolo del valore d'inerzia utilizzare per favore gli appositi fogli di calcolo in EXCELL da noi forniti.

WEIGHT	g/m	
SURFACE	mm ^{2}	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5005





This profile can be used as main mullion on 3 points supports and total heigth of 450 - 500 Cm, corresponding to floor distances of 225-250 Cm. The profile can be used for high rise multilevel buildings without reinforcements respecting the above dimensions.

On 2 supports this profile can be apply in case of free heights of 350-400 cm and also on 3 supports without reinforcements for heights of 225-250 Cm.
The profile can be used as mullion as well as transom.

LIMITE D'IMPIEGO - TABELLE DI CARICO

Formula :
Jx = 0,013 Q x h x h4 /(E x f) per montanti su 2 supporti
Jx = 0,00521 Q x h x h4 /(E x f) per montanti su 3 supporti
dove Q (carico) = q x L/2
dove q = Carico del vento espresso in Kg/cmq
E = 700000 (costante)
f (Freccia)= H x 1/500 (o 1/200 o altri valori)
ATTENZIONE: tutto deve essere espresso in Cm.

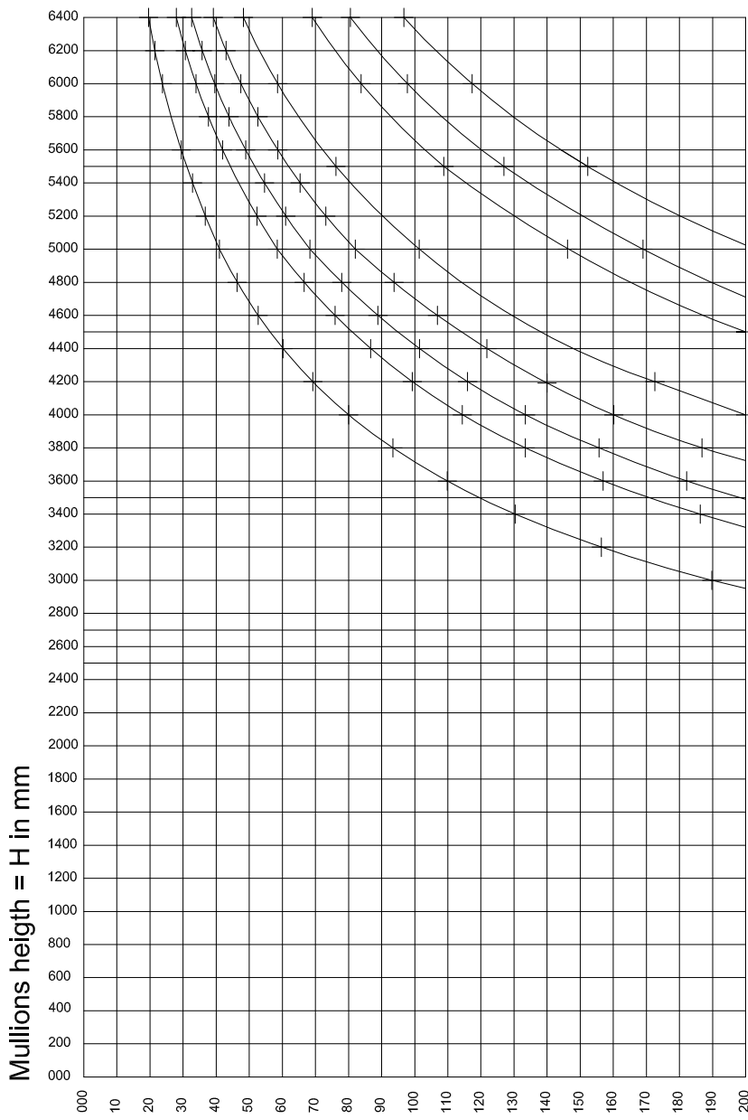
Formula :
Jx = 0,013 Q x h x h4 /(E x f) for mullions 2 supports
Jx = 0,00521 Q x h x h4 /(E x f) for mullions 3 supports
Where Q is the load = q x L/2
Where q = Wind load expressed in Kg/Sqcm
E = 700000 (constant)
f (Flessibility)= H x 1/500 (or 1/200 or others value)
ATTENTION: all units are to be in centimeters

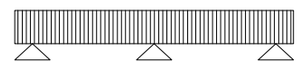
Formule :
Jx = 0,013 Q x h x h4 /(E x f) pour meneaux sur 2 supports
Jx = 0,00521 Q x h x h4 /(E x f) pour meneaux sur 3 supports
ou Q c'est le poid = q x L/2
ou q = c'est la pression du vent exprimeé en Kg/cm carreé
E = 700000 (valeur constant)
f (Fleche)= H x 1/500 (ou 1/200 ou d'autres valeurs)
ATTENTION: Les valeurs dans les formules doivent etre en centimetres

WEIGHT	g/m	
SURFACE	mm ^{2}	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5006

For the calculation of the required inertia of the section please use our EXCELL calculation tools.
Pour le calcule de la resistance à flession nous vous prions d'utiliser nos fichers EXCELL.
Per il calcolo del valore d'inerzia utilizzare per favore gli appositi fogli di calcolo in EXCELL da noi forniti.

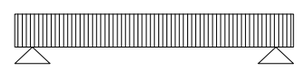




This profile can be used as main mullion in case heights on 3 points supports of 500 - 600 Cm, corresponding to floor distances of 250-300 Cm.
The Grapic evidence that this profile it is suitable for multilevel high rise buildings applications without reinforcements.

Admissible inflession 1/250
Admissible inflession 1/300
Admissible inflession 1/350
Admissible inflession 1/500

Admissible inflession 1/250
Admissible inflession 1/300
Admissible inflession 1/350
Admissible inflession 1/500



On 2 supports this profile can be apply in case of free heights of 400-450 cm.
In case of high rise building the profile can be used on 3 supports for floors distances of 250-300 Cm without aluminium reinforcements inside.

Wind load = 70 Kg/m²

LIMITE D'IMPIEGO - TABELLE DI CARICO

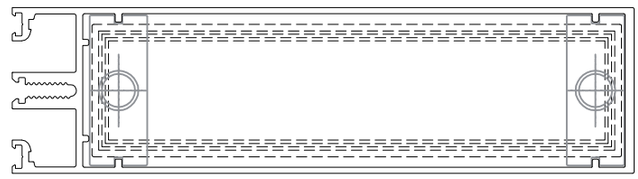
Formula :
Jx = 0,013 Q x h x h4 /(E x f) per montanti su 2 supporti
Jx = 0,00521 Q x h x h4 /(E x f) per montanti su 3 supporti
dove Q (carico) = q x L/2
dove q = Carico del vento espresso in Kg/cmq
E = 700000 (costante)
f (Freccia)= H x 1/500 (o 1/200 o altri valori)
ATTENZIONE: tutto deve essere espresso in Cm.

Formula :
Jx = 0,013 Q x h x h4 /(E x f) for mullions 2 supports
Jx = 0,00521 Q x h x h4 /(E x f) for mullions 3 supports
Where Q is the load = q x L/2
Where q = Wind load expressed in Kg/Sqcm
E = 700000 (constant)
f (Flessibility)= H x 1/500 (or 1/200 or others value)
ATTENTION: all units are to be in centimeters

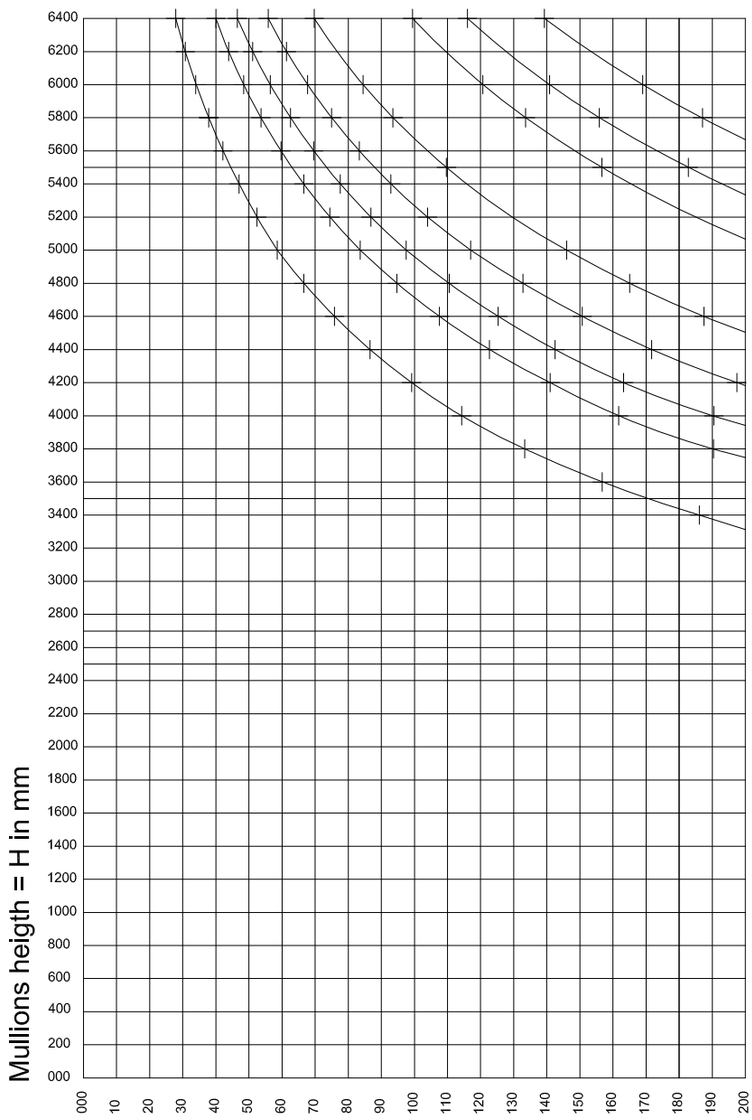
Formule :
Jx = 0,013 Q x h x h4 /(E x f) pour meneaux sur 2 supports
Jx = 0,00521 Q x h x h4 /(E x f) pour meneaux sur 3 supports
ou Q c'est le poid = q x L/2
ou q = c'est la pression du vent exprimeé en Kg/cm carreé
E = 700000 (valeur constant)
f (Fleche)= H x 1/500 (ou 1/200 ou d'autres valeurs)
ATTENTION: Les valeurs dans les formules doivent etre en centimetres

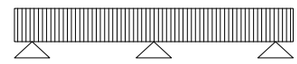
WEIGHT	g/m	
SURFACE	mm ^{2}	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5007



For the calculation of the required inertia of the section please use our EXCELL calculation tools.
Pour le calcule de la resistance à flession nous vous prions d'utiliser nos fichers EXCELL.
Per il calcolo del valore d'inerzia utilizzare per favore gli appositi fogli di calcolo in EXCELL da noi forniti.





This profile can be use as main mullion in case of heights of 580-650 Cm, corresponding to 290-325 Floor distances.
In case of superior and/or out of standard heights please consult us for the maximum lenght of extrusion and for appropriate aluminium reinforcements.

Admissible inflession 1/250

Admissible inflession 1/300

Admissible inflession 1/350

Admissible inflession 1/500

On 2 supports this profile can be apply in case of free heights of 450-500 cm. The profile can be used also on 3 supports with floor distances of 290-325 Cm.

Wind load = 70 Kg/m²

TP PROFILATI

SAGOMARIO DEI PROFILI

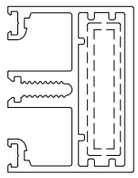
PROFILES DATA SHEETS

FICHES TECHNIQUES DES PROFILS

EKOS
ALUMINIUM COLLECTION

SCHEDE TECNICHE DEI PROFILI

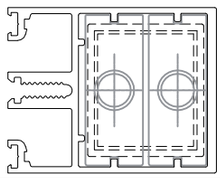
EFC 5001



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	1503
SURFACE	mm ^{2}	557
TOTAL PERIMETER	mm	493
EXTERNAL PERIM.	mm	352
Jxx	cm ^{4}	14.99
Jyy	cm ^{4}	8.15

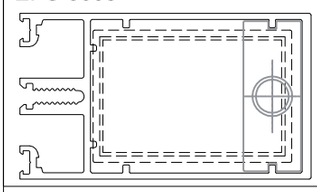
EFC 5002



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	1746
SURFACE	mm ^{2}	647
TOTAL PERIMETER	mm	593
EXTERNAL PERIM.	mm	402
Jxx	cm ^{4}	20.33
Jyy	cm ^{4}	30.17

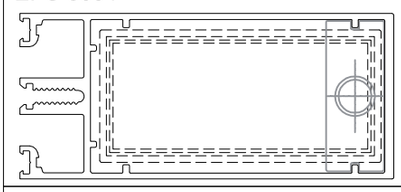
EFC 5003



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	1989
SURFACE	mm ^{2}	737
TOTAL PERIMETER	mm	693
EXTERNAL PERIM.	mm	452
Jxx	cm ^{4}	25.57
Jyy	cm ^{4}	71.47

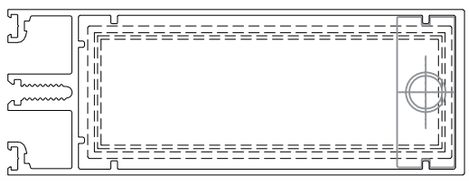
EFC 5004



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	2232
SURFACE	mm ^{2}	827
TOTAL PERIMETER	mm	793
EXTERNAL PERIM.	mm	502
Jxx	cm ^{4}	30.80
Jyy	cm ^{4}	135.24

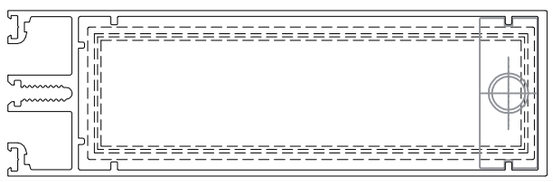
EFC 5005



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	2475
SURFACE	mm ^{2}	917
TOTAL PERIMETER	mm	893
EXTERNAL PERIM.	mm	552
Jxx	cm ^{4}	36.03
Jyy	cm ^{4}	224.47

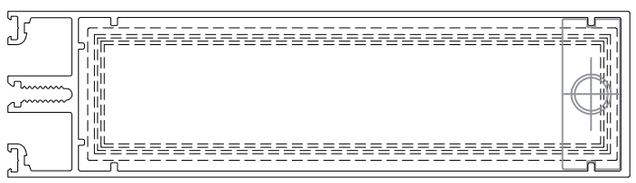
EFC 5006



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	2718
SURFACE	mm ^{2}	1007
TOTAL PERIMETER	mm	993
EXTERNAL PERIM.	mm	602
Jxx	cm ^{4}	41.26
Jyy	cm ^{4}	342.10

EFC 5007

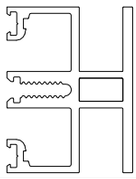


MULLION
MENEAU
MONTANTE

WEIGHT	g/m	2961
SURFACE	mm ^{2}	1097
TOTAL PERIMETER	mm	1093
EXTERNAL PERIM.	mm	652
Jxx	cm ^{4}	46.49
Jyy	cm ^{4}	491.02

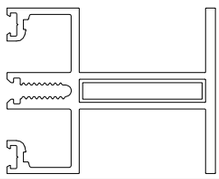
SCHEDE TECNICHE DEI PROFILI

EFC 5008



MULLION
MENEAU
MONTANTE

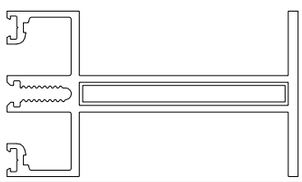
WEIGHT	g/m	1553
SURFACE	mm ^{2}	575
TOTAL PERIMETER	mm	469
EXTERNAL PERIM.	mm	429
Jxx	cm ^{4}	12.02
Jyy	cm ^{4}	8.38



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	1823
SURFACE	mm ^{2}	675
TOTAL PERIMETER	mm	569
EXTERNAL PERIM.	mm	479
Jxx	cm ^{4}	12.23
Jyy	cm ^{4}	31.47

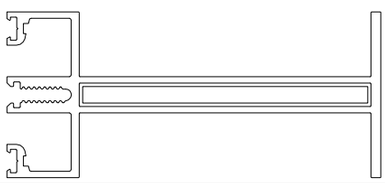
EFC 5010



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	2093
SURFACE	mm ^{2}	775
TOTAL PERIMETER	mm	669
EXTERNAL PERIM.	mm	529
Jxx	cm ^{4}	12.43
Jyy	cm ^{4}	74.82

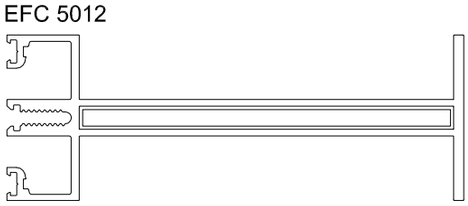
EFC 5011



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	2363
SURFACE	mm ^{2}	875
TOTAL PERIMETER	mm	770
EXTERNAL PERIM.	mm	580
Jxx	cm ^{4}	12.64
Jyy	cm ^{4}	141.81

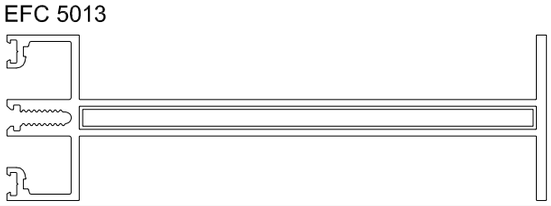
EFC 5012



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	2633
SURFACE	mm ^{2}	975
TOTAL PERIMETER	mm	870
EXTERNAL PERIM.	mm	630
Jxx	cm ^{4}	12.85
Jyy	cm ^{4}	235.76

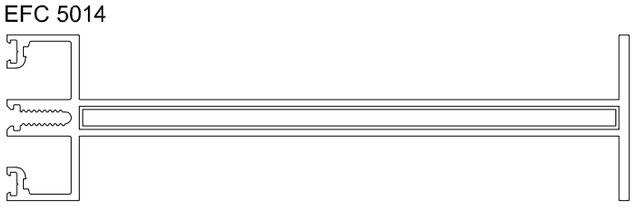
EFC 5013



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	2903
SURFACE	mm ^{2}	1075
TOTAL PERIMETER	mm	970
EXTERNAL PERIM.	mm	680
Jxx	cm ^{4}	13.05
Jyy	cm ^{4}	359.89

EFC 5014

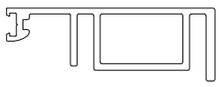


MULLION
MENEAU
MONTANTE

WEIGHT	g/m	3173
SURFACE	mm ^{2}	1175
TOTAL PERIMETER	mm	1070
EXTERNAL PERIM.	mm	730
Jxx	cm ^{4}	13.26
Jyy	cm ^{4}	517.41

SCHEDE TECNICHE DEI PROFILI

EFC 5015



MULLION
MENEAU
MONTANTE

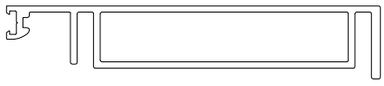
WEIGHT	g/m	931
SURFACE	mm 2	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm 4	
Jyy	cm 4	

EFC 5016

MULLION
MENEAU
MONTANTE

WEIGHT	g/m	1188
SURFACE	mm 2	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm 4	
Jyy	cm 4	

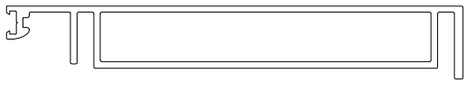
EFC 5017



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	1445
SURFACE	mm 2	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm 4	
Jyy	cm 4	

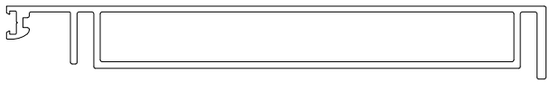
EFC 5018



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	1702
SURFACE	mm 2	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm 4	
Jyy	cm 4	

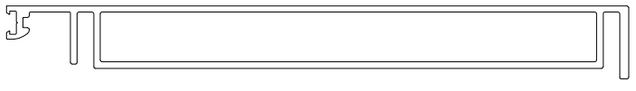
EFC 5019



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	1959
SURFACE	mm 2	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm 4	
Jyy	cm 4	

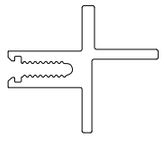
EFC 5020



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	2216
SURFACE	mm 2	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm 4	
Jyy	cm 4	

EFC 5021



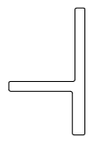
SCREW
HOLDER

VISSAGE
AVVITATURA

WEIGHT	g/m	929
SURFACE	mm 2	344
TOTAL PERIMETER	mm	216
EXTERNAL PERIM.	mm	216
Jxx	cm 4	
Jyy	cm 4	

SCHEDE TECNICHE DEI PROFILI

EFC 5022



MULLION
CONNECTOR

RACCORD
RACCORDO

WEIGHT	g/m	501
SURFACE	mm 2	186
TOTAL PERIMETER	mm	121
EXTERNAL PERIM.	mm	121
Jxx	cm 4	
Jyy	cm 4	

EFC 5023

COVER 20 mm
CAPOT 20 mm
COPERTINA 20 mm

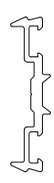
WEIGHT	g/m	320
SURFACE	mm 2	119
TOTAL PERIMETER	mm	186
EXTERNAL PERIM.	mm	186
Jxx	cm 4	
Jyy	cm 4	

EFC 5024

COVER 25 mm
CAPOT 25 mm
COPERTINA 25 mm

WEIGHT	g/m	361
SURFACE	mm 2	134
TOTAL PERIMETER	mm	209
EXTERNAL PERIM.	mm	209
Jxx	cm 4	
Jyy	cm 4	

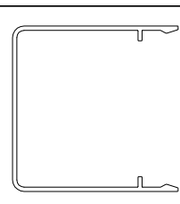
EFC 5025



GLASS STOP
PRESSEUR VITRES
PRESSORE VETRI

WEIGHT	g/m	421
SURFACE	mm 2	156
TOTAL PERIMETER	mm	153
EXTERNAL PERIM.	mm	153
Jxx	cm 4	
Jyy	cm 4	

EFC 5026



COVER 50 mm
CAPOT 50 mm
COPERTINA 50 mm

WEIGHT	g/m	541
SURFACE	mm 2	200
TOTAL PERIMETER	mm	305
EXTERNAL PERIM.	mm	305
Jxx	cm 4	
Jyy	cm 4	

EFC 5027

ROUNDED COVER
CAPOT ARRONDI
COPERTINA CURVA

WEIGHT	g/m	301
SURFACE	mm 2	112
TOTAL PERIMETER	mm	175
EXTERNAL PERIM.	mm	175
Jxx	cm 4	
Jyy	cm 4	

EFC 5028

COVER 12 mm
CAPOT 12 mm
COPERTINA 12 mm

WEIGHT	g/m	249
SURFACE	mm 2	92
TOTAL PERIMETER	mm	145
EXTERNAL PERIM.	mm	145
Jxx	cm 4	
Jyy	cm 4	

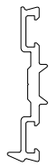
SCHEDE TECNICHE DEI PROFILI

EFC 5029

COVER 15 mm
CAPOT 15 mm
COPERTINA 15 mm

WEIGHT	g/m	284
SURFACE	mm ^{2}	105
TOTAL PERIMETER	mm	162
EXTERNAL PERIM.	mm	162
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5030



GLASS STOP
PRESSEUR VITRES
PRESSORE VETRI

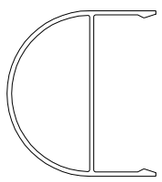
WEIGHT	g/m	402
SURFACE	mm ^{2}	149
TOTAL PERIMETER	mm	147
EXTERNAL PERIM.	mm	147
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5031

COVER FOR EFC 5056

WEIGHT	g/m	270
SURFACE	mm ^{2}	100
TOTAL PERIMETER	mm	156
EXTERNAL PERIM.	mm	156
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5032



ROUNDED COVER
CAPOT ARRONDI
COPERTINA CURVA

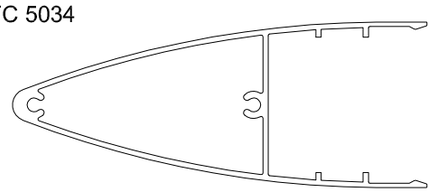
WEIGHT	g/m	595
SURFACE	mm ^{2}	220
TOTAL PERIMETER	mm	327
EXTERNAL PERIM.	mm	206
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5033

ROOFING COVER
CAPOT TOITURES
COPERTINA INCLINATA

WEIGHT	g/m	233
SURFACE	mm ^{2}	86
TOTAL PERIMETER	mm	136
EXTERNAL PERIM.	mm	136
Jxx	cm ^{4}	
Jyy	cm ^{4}	

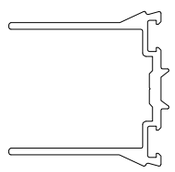
EFC 5034



DECORATION COVER
CAPOT DECORATION
COPERTINA
DECORATIVA

WEIGHT	g/m	928
SURFACE	mm ^{2}	925
TOTAL PERIMETER	mm	646
EXTERNAL PERIM.	mm	423
Jxx	cm ^{4}	
Jyy	cm ^{4}	

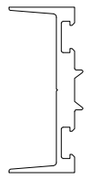
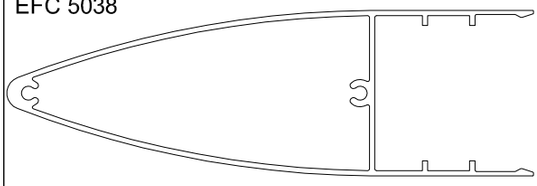
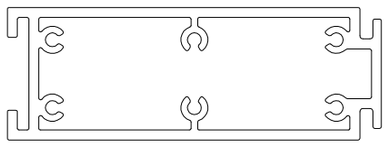
EFC 5035



COVERS HOLDER
SUPPORT OGIVES
PRESSORE OGIVE

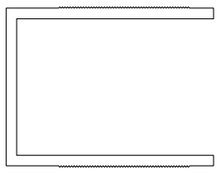
WEIGHT	g/m	881
SURFACE	mm ^{2}	326
TOTAL PERIMETER	mm	296
EXTERNAL PERIM.	mm	296
Jxx	cm ^{4}	
Jyy	cm ^{4}	

SCHEDE TECNICHE DEI PROFILI

EFC 5036		GLASS STOP PRESSEUR VITRES PRESSORE VETRI	WEIGHT	g/m	699
			SURFACE	mm 2	259
			TOTAL PERIMETER	mm	195
			EXTERNAL PERIM.	mm	195
			Jxx	cm 4	
			Jyy	cm 4	
EFC 5037		GLASS STOP 15° PRESSEUR VITRES 15° PRESSORE VETRI 15°	WEIGHT	g/m	437
			SURFACE	mm 2	162
			TOTAL PERIMETER	mm	194
			EXTERNAL PERIM.	mm	137
			Jxx	cm 4	
			Jyy	cm 4	
EFC 5038		DECORATION COVER CAPOT DECORATION COPERTINA DECORATIVA	WEIGHT	g/m	928
			SURFACE	mm 2	673
			TOTAL PERIMETER	mm	793
			EXTERNAL PERIM.	mm	498
			Jxx	cm 4	
			Jyy	cm 4	
EFC 5039		GLASS STOP 15° PRESSEUR VITRES 15° PRESSORE VETRI 15°	WEIGHT	g/m	379
			SURFACE	mm 2	140
			TOTAL PERIMETER	mm	167
			EXTERNAL PERIM.	mm	124
			Jxx	cm 4	
			Jyy	cm 4	
EFC 5040		GLASS ADAPTER ADAPTATEUR VITRE RIDUTTORE VETRI	WEIGHT	g/m	164
			SURFACE	mm 2	61
			TOTAL PERIMETER	mm	108
			EXTERNAL PERIM.	mm	108
			Jxx	cm 4	
			Jyy	cm 4	
EFC 5041		FINISHING PROFILE PROFIL DE POSE PROFILO DI POSA	WEIGHT	g/m	435
			SURFACE	mm 2	161
			TOTAL PERIMETER	mm	186
			EXTERNAL PERIM.	mm	186
			Jxx	cm 4	
			Jyy	cm 4	
EFC 5042		MULLIONS JOINT RACCORD MENEAUX CANOTTO	WEIGHT	g/m	3129
			SURFACE	mm 2	1159
			TOTAL PERIMETER	mm	780
			EXTERNAL PERIM.	mm	362
			Jxx	cm 4	
			Jyy	cm 4	

SCHEDE TECNICHE DEI PROFILI

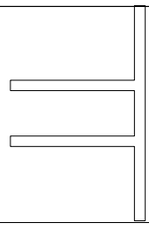
EFC 5043



BRAKETS
SUPPORT
STAFFA

WEIGHT	g/m	5885
SURFACE	mm ^{2}	2180
TOTAL PERIMETER	mm	745
EXTERNAL PERIM.	mm	745
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5044



BRAKETS
SUPPORT
STAFFA

WEIGHT	g/m	4800
SURFACE	mm ^{2}	1778
TOTAL PERIMETER	mm	573
EXTERNAL PERIM.	mm	573
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5045

BRAKETS
SUPPORT
STAFFA

WEIGHT	g/m	2120
SURFACE	mm ^{2}	785
TOTAL PERIMETER	mm	260
EXTERNAL PERIM.	mm	260
Jxx	cm ^{4}	
Jyy	cm ^{4}	

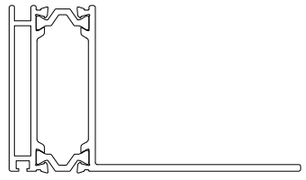
EFC 5046

80 x 60 x 4

TRANSOMS FIXING
CHEVALIER
CAVALLOTTO

WEIGHT	g/m	1469
SURFACE	mm ^{2}	544
TOTAL PERIMETER	mm	280
EXTERNAL PERIM.	mm	280
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5047048



FINISHING PROFILE
PROFIL DE POSE
RACCORDO A MURO

WEIGHT	g/m	1238+114
SURFACE	mm ^{2}	458.4
TOTAL PERIMETER	mm	748
EXTERNAL PERIM.	mm	659
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5052

GLASS STOP 30°
PRESSEUR VITRES 30°
PRESSORE VETRI 30°

WEIGHT	g/m	479
SURFACE	mm ^{2}	177
TOTAL PERIMETER	mm	223
EXTERNAL PERIM.	mm	157
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5053

GLASS STOP 30°
PRESSEUR VITRES 30°
PRESSORE VETRI 30°

WEIGHT	g/m	492
SURFACE	mm ^{2}	182
TOTAL PERIMETER	mm	226
EXTERNAL PERIM.	mm	159
Jxx	cm ^{4}	
Jyy	cm ^{4}	

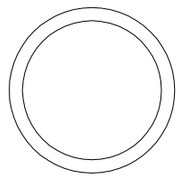
SCHEDE TECNICHE DEI PROFILI

EFC 5054

REGULATING CORNERS
ANGLES VARIABLES
ANGOLI VARIABILI

WEIGHT	g/m	809
SURFACE	mm 2	300
TOTAL PERIMETER	mm	308
EXTERNAL PERIM.	mm	176
Jxx	cm 4	
Jyy	cm 4	

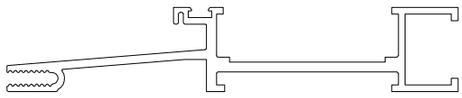
EFC 5055



TUBE DIAM. 50 mm
TUBE ROND DE 50 mm
TONDO DA 50 mm

WEIGHT	g/m	1560
SURFACE	mm 2	578
TOTAL PERIMETER	mm	288
EXTERNAL PERIM.	mm	157
Jxx	cm 4	
Jyy	cm 4	

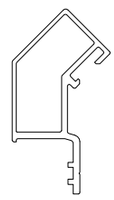
EFC 5056



CURTAIN WALL SILL
SEUIL DE M.RIDEAUX
SOGLIA PER FACCIATE

WEIGHT	g/m	1653
SURFACE	mm 2	612
TOTAL PERIMETER	mm	524
EXTERNAL PERIM.	mm	524
Jxx	cm 4	
Jyy	cm 4	

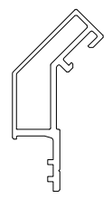
EFC 5057



GLASS STOP 45°
PRESSEUR VITRES 45°
PRESSORE VETRI 45°

WEIGHT	g/m	589
SURFACE	mm 2	218
TOTAL PERIMETER	mm	278
EXTERNAL PERIM.	mm	179
Jxx	cm 4	
Jyy	cm 4	

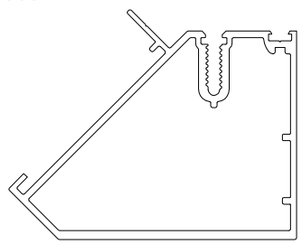
EFC 5058



GLASS STOP 45°
PRESSEUR VITRES 45°
PRESSORE VETRI 45°

WEIGHT	g/m	563
SURFACE	mm 2	209
TOTAL PERIMETER	mm	265
EXTERNAL PERIM.	mm	171
Jxx	cm 4	
Jyy	cm 4	

EFC 5059

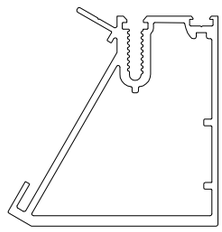


PROFILE FOR 45°
PROFIL POUR 45°
PROFILO PER 45°

WEIGHT	g/m	1883
SURFACE	mm 2	698
TOTAL PERIMETER	mm	660
EXTERNAL PERIM.	mm	373
Jxx	cm 4	30.69
Jyy	cm 4	54.34

SCHEDE TECNICHE DEI PROFILI

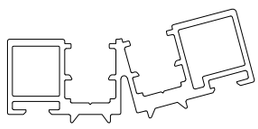
EFC 5060



PROFILE FOR 30°
PROFIL POUR 30°
PROFILO PER 30°

WEIGHT	g/m	1712
SURFACE	mm 2	634
TOTAL PERIMETER	mm	566
EXTERNAL PERIM.	mm	338
Jxx	cm 4	38.96
Jyy	cm 4	18.15

EFC 5061



COVER FOR 15°
CAPOT POUR 15°
COPERTINA PER 15°

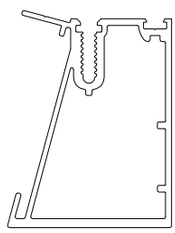
WEIGHT	g/m	1384
SURFACE	mm 2	513
TOTAL PERIMETER	mm	479
EXTERNAL PERIM.	mm	363
Jxx	cm 4	
Jyy	cm 4	

EFC 5062

SCREW CAP
CAPOT POUR VIS
COPERTINA VITI

WEIGHT	g/m	126
SURFACE	mm 2	47
TOTAL PERIMETER	mm	86
EXTERNAL PERIM.	mm	86
Jxx	cm 4	
Jyy	cm 4	

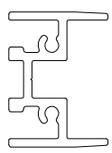
EFC 5063



PROFILE FOR 15°
PROFIL POUR 15°
PROFILO PER 15°

WEIGHT	g/m	1453
SURFACE	mm 2	538
TOTAL PERIMETER	mm	531
EXTERNAL PERIM.	mm	321
Jxx	cm 4	30.34
Jyy	cm 4	11.98

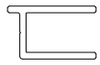
EFC 5064



TRANSOM FASTNER
CAVALIER TRAVERSES
CAVALLOTTO TRAVERSI

WEIGHT	g/m	942
SURFACE	mm 2	349
TOTAL PERIMETER	mm	274
EXTERNAL PERIM.	mm	274
Jxx	cm 4	
Jyy	cm 4	

EFC 5065

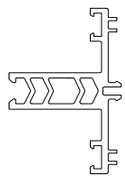


GLASS SUPPORT
CALE POUR VITRES
SUPPORTO VETRI

WEIGHT	g/m	332
SURFACE	mm 2	123
TOTAL PERIMETER	mm	126
EXTERNAL PERIM.	mm	126
Jxx	cm 4	
Jyy	cm 4	

SCHEDE TECNICHE DEI PROFILI

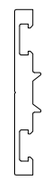
EFC 5066



TRANSOM SPACER
PROFILE TRAVERSE
DISTANZIALE TRAVERSO

WEIGHT	g/m	767
SURFACE	mm ^{2}	284
TOTAL PERIMETER	mm	326
EXTERNAL PERIM.	mm	243
Jxx	cm ^{4}	
Jyy	cm ^{4}	

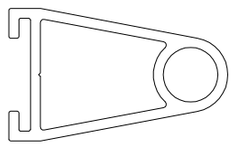
EFC 5067



GLASS STOP
PRESSEUR VITRES
PRESSORE VETRI

WEIGHT	g/m	575
SURFACE	mm ^{2}	213
TOTAL PERIMETER	mm	140
EXTERNAL PERIM.	mm	140
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5068



MULLIONS JOINT
RACCORD MENEAUX
CANOTTO

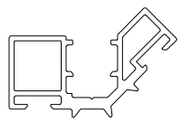
WEIGHT	g/m	1723
SURFACE	mm ^{2}	638
TOTAL PERIMETER	mm	405
EXTERNAL PERIM.	mm	222
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5069

BRAKETS
SUPPORT
STAFFA

WEIGHT	g/m	6041
SURFACE	mm ^{2}	2237
TOTAL PERIMETER	mm	739
EXTERNAL PERIM.	mm	739
Jxx	cm ^{4}	
Jyy	cm ^{4}	

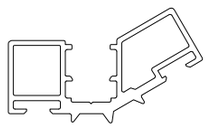
EFC 5070



COVER FOR 45°
CAPOT POUR 45°
COPERTINA PER 45°

WEIGHT	g/m	847
SURFACE	mm ^{2}	314
TOTAL PERIMETER	mm	346
EXTERNAL PERIM.	mm	237
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5071



COVER FOR 30°
CAPOT POUR 30°
COPERTINA PER 30°

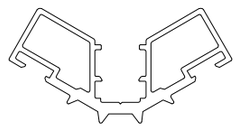
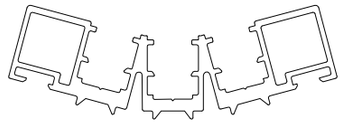
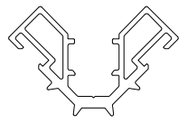
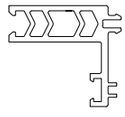
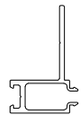
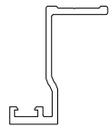
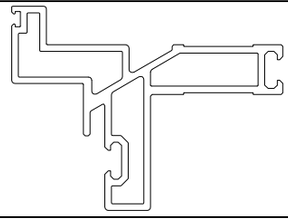
WEIGHT	g/m	957
SURFACE	mm ^{2}	354
TOTAL PERIMETER	mm	383
EXTERNAL PERIM.	mm	254
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5072

TRANSOM FASTNER
CAVALIER TRAVERSES
CAVALLOTTO TRAVERSI

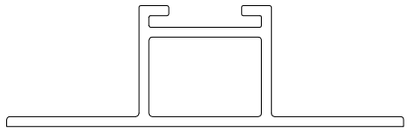
WEIGHT	g/m	1244
SURFACE	mm ^{2}	461
TOTAL PERIMETER	mm	402
EXTERNAL PERIM.	mm	357
Jxx	cm ^{4}	
Jyy	cm ^{4}	

SCHEDE TECNICHE DEI PROFILI

EFC 5074 	COVER FOR 30° CAPOT POUR 30° COPERTINA PER 30°	WEIGHT g/m 1061 SURFACE mm² 393 TOTAL PERIMETER mm 408 EXTERNAL PERIM. mm 266 Jxx cm⁴ Jyy cm⁴
EFC 5075 	COVER FOR 15° CAPOT POUR 15° COPERTINA PER 15°	WEIGHT g/m 1051 SURFACE mm² 389 TOTAL PERIMETER mm 621 EXTERNAL PERIM. mm 481 Jxx cm⁴ Jyy cm⁴
EFC 5076 	COVER FOR 45° CAPOT POUR 45° COPERTINA PER 45°	WEIGHT g/m 840 SURFACE mm² 311 TOTAL PERIMETER mm 336 EXTERNAL PERIM. mm 232 Jxx cm⁴ Jyy cm⁴
EFC 5077 	TRANSOM SPACER PROFILE TRAVERSE DISTANZIALE TRAVERSO	WEIGHT g/m 615 SURFACE mm² 228 TOTAL PERIMETER mm 260 EXTERNAL PERIM. mm 178 Jxx cm⁴ Jyy cm⁴
EFC 5078 	FINISHING PROFILE PROFIL DE FINITION PROFILO DI FINITURA	WEIGHT g/m 255 SURFACE mm² 94 TOTAL PERIMETER mm 153 EXTERNAL PERIM. mm 153 Jxx cm⁴ Jyy cm⁴
EFC 5079 	FINISHING PROFILE PROFIL DE FINITION PROFILO DI FINITURA	WEIGHT g/m 368 SURFACE mm² 136 TOTAL PERIMETER mm 149 EXTERNAL PERIM. mm 149 Jxx cm⁴ Jyy cm⁴
EFC 5080 	FINISHING PROFILE PROFIL DE FINITION PROFILO DI FINITURA	WEIGHT g/m 1194 SURFACE mm² 442 TOTAL PERIMETER mm 556 EXTERNAL PERIM. mm 307 Jxx cm⁴ Jyy cm⁴

SCHEDE TECNICHE DEI PROFILI

EFC 5081



MULLIONS JOINT
RACCORD MENEAUX
CANOTTO

WEIGHT	g/m	1889
SURFACE	mm ^{2}	700
TOTAL PERIMETER	mm	461
EXTERNAL PERIM.	mm	346
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5084

STRUCTURAL GLAZING
VITRES STRUCTURAUX
VETRI STRUTTURALI

WEIGHT	g/m	259
SURFACE	mm ^{2}	96
TOTAL PERIMETER	mm	100
EXTERNAL PERIM.	mm	100
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5085

STRUCTURAL GLAZING
VITRES STRUCTURAUX
VETRI STRUTTURALI

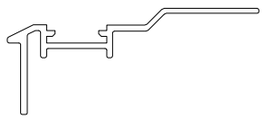
WEIGHT	g/m	279
SURFACE	mm ^{2}	103
TOTAL PERIMETER	mm	103
EXTERNAL PERIM.	mm	82
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5086

STRUCTURAL GLAZING
VITRES STRUCTURAUX
VETRI STRUTTURALI

WEIGHT	g/m	167
SURFACE	mm ^{2}	62
TOTAL PERIMETER	mm	82
EXTERNAL PERIM.	mm	82
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5087



WALL SEALING
PROFIL ETAINCHEITE
GIUNTO A MURO

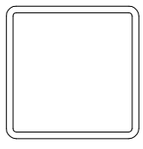
WEIGHT	g/m	579
SURFACE	mm ^{2}	214.38
TOTAL PERIMETER	mm	245
EXTERNAL PERIM.	mm	245
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5088

CLIPS FOR 5087
CLIP POUR 5087
COPRIVITE PER 5087

WEIGHT	g/m	100
SURFACE	mm ^{2}	36.94
TOTAL PERIMETER	mm	53
EXTERNAL PERIM.	mm	53
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5089



SUB FRAMING
PRE CADRE
CONTRO TELAIO

WEIGHT	g/m	802
SURFACE	mm ^{2}	297.13
TOTAL PERIMETER	mm	297
EXTERNAL PERIM.	mm	155
Jxx	cm ^{4}	
Jyy	cm ^{4}	

SCHEDE TECNICHE DEI PROFILI

EFC 5090

TRANSOM SPACER
PROFILE TRAVERSE
DISTANZIALE TRAVERSO

WEIGHT	g/m	548
SURFACE	mm ^{2}	203
TOTAL PERIMETER	mm	250
EXTERNAL PERIM.	mm	226
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5091

MULLION SPACER
EPAISSEUR MENEAUX
DISTANZIALE MONTANTI

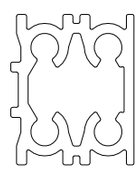
WEIGHT	g/m	
SURFACE	mm ^{2}	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm ^{4}	
Jyy	cm ^{4}	

EFC 5092

REINFORCEMENT
REINFORCEMENT
RINFORZO

WEIGHT	g/m	905
SURFACE	mm ^{2}	335
TOTAL PERIMETER	mm	211
EXTERNAL PERIM.	mm	211
Jxx	cm ^{4}	7.36
Jyy	cm ^{4}	11.65

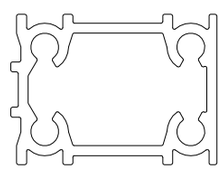
EFC 5093



REINFORCEMENT
REINFORCEMENT
RINFORZO

WEIGHT	g/m	1806
SURFACE	mm ^{2}	670
TOTAL PERIMETER	mm	407
EXTERNAL PERIM.	mm	216
Jxx	cm ^{4}	14.55
Jyy	cm ^{4}	11.71

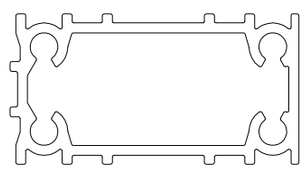
EFC 5094



REINFORCEMENT
REINFORCEMENT
RINFORZO

WEIGHT	g/m	2211
SURFACE	mm ^{2}	820
TOTAL PERIMETER	mm	507
EXTERNAL PERIM.	mm	266
Jxx	cm ^{4}	19.69
Jyy	cm ^{4}	43.46

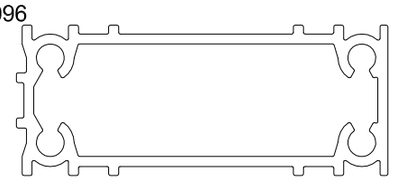
EFC 5095



REINFORCEMENT
REINFORCEMENT
RINFORZO

WEIGHT	g/m	2616
SURFACE	mm ^{2}	970
TOTAL PERIMETER	mm	607
EXTERNAL PERIM.	mm	316
Jxx	cm ^{4}	26.31
Jyy	cm ^{4}	103.84

EFC 5096

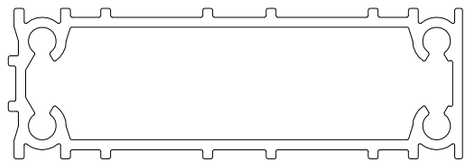


REINFORCEMENT
REINFORCEMENT
RINFORZO

WEIGHT	g/m	3021
SURFACE	mm ^{2}	1120
TOTAL PERIMETER	mm	707
EXTERNAL PERIM.	mm	366
Jxx	cm ^{4}	31.46
Jyy	cm ^{4}	194.71

SCHEDE TECNICHE DEI PROFILI

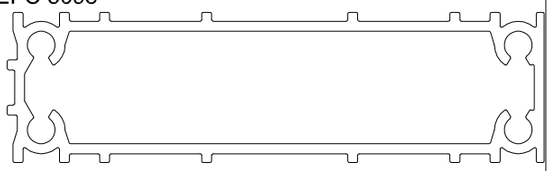
EFC 5097



REINFORCEMENT
REINFORCEMENT
RINFORZO

WEIGHT	g/m	3426
SURFACE	mm 2	1270
TOTAL PERIMETER	mm	807
EXTERNAL PERIM.	mm	416
Jxx	cm 4	38.08
Jyy	cm 4	324.15

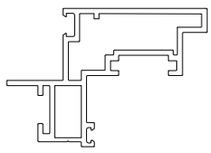
EFC 5098



REINFORCEMENT
REINFORCEMENT
RINFORZO

WEIGHT	g/m	3831
SURFACE	mm 2	1420
TOTAL PERIMETER	mm	907
EXTERNAL PERIM.	mm	466
Jxx	cm 4	43.23
Jyy	cm 4	496.48

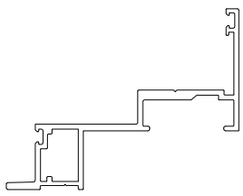
EFC 5099



OUTWARD OPENING
OUVRANT/EXTERIEUR
ANTA APERTURA EST.

WEIGHT	g/m	938
SURFACE	mm 2	348
TOTAL PERIMETER	mm	469
EXTERNAL PERIM.	mm	264
Jxx	cm 4	2.81
Jyy	cm 4	11.24

EFC 5100



FIXED FRAME
DORMANT
TELAIO

WEIGHT	g/m	824
SURFACE	mm 2	305
TOTAL PERIMETER	mm	360
EXTERNAL PERIM.	mm	303
Jxx	cm 4	1.28
Jyy	cm 4	19.75

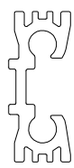
EFC 5101

WEIGHT	g/m	235
SURFACE	mm 2	86.95
TOTAL PERIMETER	mm	118
EXTERNAL PERIM.	mm	118
Jxx	cm 4	
Jyy	cm 4	

EFC 5102

WEIGHT	g/m	
SURFACE	mm 2	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm 4	
Jyy	cm 4	

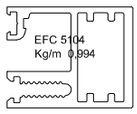
EFC 5103



WEIGHT	g/m	1076
SURFACE	mm 2	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm 4	
Jyy	cm 4	

SCHEDE TECNICHE DEI PROFILI

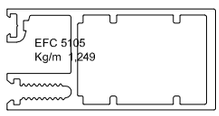
EFC 5104



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	994
SURFACE	mm 2	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm 4	
Jyy	cm 4	

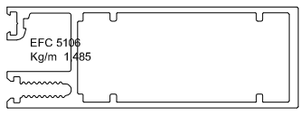
EFC 5105



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	1249
SURFACE	mm 2	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm 4	
Jyy	cm 4	

EFC 5106



MULLION
MENEAU
MONTANTE

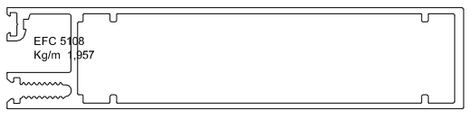
WEIGHT	g/m	1485
SURFACE	mm 2	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm 4	
Jyy	cm 4	

EFC 5107

MULLION
MENEAU
MONTANTE

WEIGHT	g/m	1721
SURFACE	mm 2	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm 4	
Jyy	cm 4	

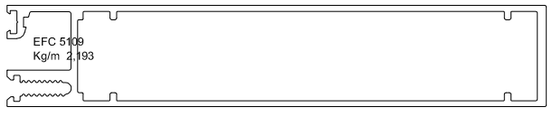
EFC 5108



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	1957
SURFACE	mm 2	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm 4	
Jyy	cm 4	

EFC 5109



MULLION
MENEAU
MONTANTE

WEIGHT	g/m	2193
SURFACE	mm 2	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm 4	
Jyy	cm 4	

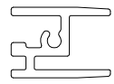
EFC 5110

MULLION
MENEAU
MONTANTE

WEIGHT	g/m	824
SURFACE	mm 2	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm 4	
Jyy	cm 4	

SCHEDE TECNICHE DEI PROFILI

EFC 5111



TRANSOM FASTNER
CAVALIER TRAVERSES
CAVALLOTTO TRAVERSI

WEIGHT	g/m	395
SURFACE	mm 2	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm 4	
Jyy	cm 4	

EFC 5112

TRANSOM SPACER
PROFILE TRAVERSE
DISTANZIALE TRAVERSO

WEIGHT	g/m	397
SURFACE	mm 2	
TOTAL PERIMETER	mm	
EXTERNAL PERIM.	mm	
Jxx	cm 4	
Jyy	cm 4	

EFC 5113

Standard corner profile 25 x 25 x 2

FINISHING PROFILE
PROFIL DE FINITION
PROFILO DI FINITURA

WEIGHT	g/m	260
SURFACE	mm 2	96.2
TOTAL PERIMETER	mm	99
EXTERNAL PERIM.	mm	99
Jxx	cm 4	
Jyy	cm 4	

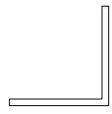
EFC 5114

Standard corner profile 50 x 30 x 2

FINISHING PROFILE
PROFIL DE FINITION
PROFILO DI FINITURA

WEIGHT	g/m	422
SURFACE	mm 2	156.2
TOTAL PERIMETER	mm	159
EXTERNAL PERIM.	mm	159
Jxx	cm 4	
Jyy	cm 4	

EFC 5115

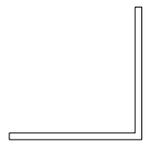


Standard corner profile 30 x 30 x 2

FINISHING PROFILE
PROFIL DE FINITION
PROFILO DI FINITURA

WEIGHT	g/m	313
SURFACE	mm 2	116
TOTAL PERIMETER	mm	120
EXTERNAL PERIM.	mm	120
Jxx	cm 4	
Jyy	cm 4	

EFC 5116

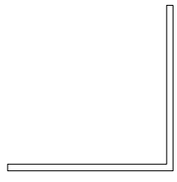


Standard corner profile 40 x 40 x 2

FINISHING PROFILE
PROFIL DE FINITION
PROFILO DI FINITURA

WEIGHT	g/m	421
SURFACE	mm 2	156
TOTAL PERIMETER	mm	160
EXTERNAL PERIM.	mm	160
Jxx	cm 4	
Jyy	cm 4	

EFC 5117

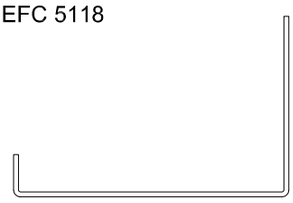
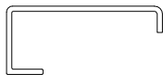
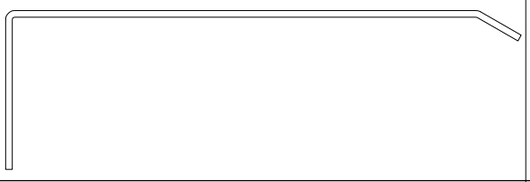
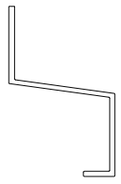
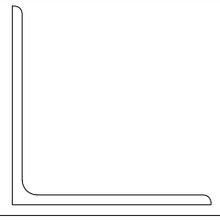


Standard corner profile 50 x 50 x 2

FINISHING PROFILE
PROFIL DE FINITION
PROFILO DI FINITURA

WEIGHT	g/m	529
SURFACE	mm 2	196
TOTAL PERIMETER	mm	200
EXTERNAL PERIM.	mm	200
Jxx	cm 4	
Jyy	cm 4	

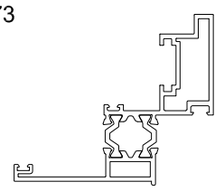
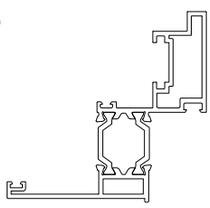
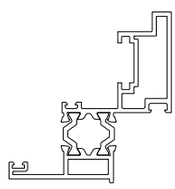
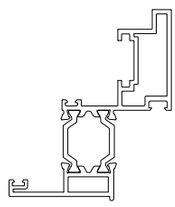
SCHEDE TECNICHE DEI PROFILI

EFC 5118 	**Lower sill finishing profile** FINISHING PROFILE PROFIL DE FINITION PROFILO DI FINITURA	WEIGHT g/m 2371 SURFACE mm 2 878.06 TOTAL PERIMETER mm 591 EXTERNAL PERIM. mm 591 Jxx cm 4 Jyy cm 4
EFC 5119 	FINISHING PROFILE PROFIL DE FINITION PROFILO DI FINITURA	WEIGHT g/m 546 SURFACE mm 2 202.20 TOTAL PERIMETER mm 205 EXTERNAL PERIM. mm 205 Jxx cm 4 Jyy cm 4
EFC 5120 	FINISHING PROFILE PROFIL DE FINITION PROFILO DI FINITURA	WEIGHT g/m 911 SURFACE mm 2 337.31 TOTAL PERIMETER mm 340 EXTERNAL PERIM. mm 340 Jxx cm 4 Jyy cm 4
EFC 5121 	FINISHING PROFILE PROFIL DE FINITION PROFILO DI FINITURA	WEIGHT g/m 1708 SURFACE mm 2 632.73 TOTAL PERIMETER mm 511 EXTERNAL PERIM. mm 511 Jxx cm 4 Jyy cm 4
EFC 5122 	FINISHING PROFILE PROFIL DE FINITION PROFILO DI FINITURA	WEIGHT g/m 570 SURFACE mm 2 210.93 TOTAL PERIMETER mm 218 EXTERNAL PERIM. mm 218 Jxx cm 4 Jyy cm 4
EFC 5123 	FINISHING PROFILE PROFIL DE FINITION PROFILO DI FINITURA	WEIGHT g/m 3814 SURFACE mm 2 1412.69 TOTAL PERIMETER mm 472 EXTERNAL PERIM. mm 472 Jxx cm 4 Jyy cm 4
EFC 5124		WEIGHT g/m SURFACE mm 2 TOTAL PERIMETER mm EXTERNAL PERIM. mm Jxx cm 4 Jyy cm 4

SCHEDE TECNICHE DEI PROFILI

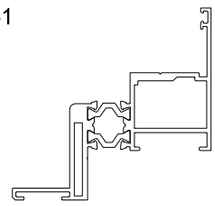
EFC 5125		WEIGHT g/m SURFACE mm 2 TOTAL PERIMETER mm EXTERNAL PERIM. mm Jxx cm 4 Jyy cm 4
EFC 5126		WEIGHT g/m SURFACE mm 2 TOTAL PERIMETER mm EXTERNAL PERIM. mm Jxx cm 4 Jyy cm 4
EFC 5127		WEIGHT g/m SURFACE mm 2 TOTAL PERIMETER mm EXTERNAL PERIM. mm Jxx cm 4 Jyy cm 4
EFC 5128		WEIGHT g/m SURFACE mm 2 TOTAL PERIMETER mm EXTERNAL PERIM. mm Jxx cm 4 Jyy cm 4
EFC 5129		WEIGHT g/m SURFACE mm 2 TOTAL PERIMETER mm EXTERNAL PERIM. mm Jxx cm 4 Jyy cm 4
EFC 5130		WEIGHT g/m SURFACE mm 2 TOTAL PERIMETER mm EXTERNAL PERIM. mm Jxx cm 4 Jyy cm 4
EFC 5131		WEIGHT g/m SURFACE mm 2 TOTAL PERIMETER mm EXTERNAL PERIM. mm Jxx cm 4 Jyy cm 4

SCHEDE TECNICHE DEI PROFILI

EFC 5132		WEIGHT g/m SURFACE mm 2 TOTAL PERIMETER mm EXTERNAL PERIM. mm Jxx cm 4 Jyy cm 4
EFC 5133		WEIGHT g/m SURFACE mm 2 TOTAL PERIMETER mm EXTERNAL PERIM. mm Jxx cm 4 Jyy cm 4
EFC 5134		WEIGHT g/m SURFACE mm 2 TOTAL PERIMETER mm EXTERNAL PERIM. mm Jxx cm 4 Jyy cm 4
EFC 50135073 	OUTWARD OPENING OUVRANT/EXTERIEUR ANTA APERTURA EST.	WEIGHT g/m 1227+114 SURFACE mm 2 454.40 TOTAL PERIMETER mm 558 EXTERNAL PERIM. mm 411 Jxx cm 4 Jyy cm 4
CW 60135073 	OUTWARD OPENING OUVRANT/EXTERIEUR ANTA APERTURA EST.	WEIGHT g/m 1227+140 SURFACE mm 2 454.40 TOTAL PERIMETER mm 558 EXTERNAL PERIM. mm 411 Jxx cm 4 Jyy cm 4
EFC 50136073 	OUTWARD OPENING OUVRANT/EXTERIEUR ANTA APERTURA EST.	WEIGHT g/m 1166+114 SURFACE mm 2 431.98 TOTAL PERIMETER mm 531 EXTERNAL PERIM. mm 383 Jxx cm 4 Jyy cm 4
CW 60136073 	OUTWARD OPENING OUVRANT/EXTERIEUR ANTA APERTURA EST.	WEIGHT g/m 1166+140 SURFACE mm 2 431.98 TOTAL PERIMETER mm 531 EXTERNAL PERIM. mm 383 Jxx cm 4 Jyy cm 4

SCHEDE TECNICHE DEI PROFILI

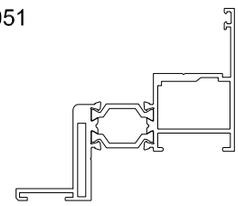
EFC 50137051



FIXED FRAME
DORMANT
TELAIO

WEIGHT	g/m	1382+114
SURFACE	mm 2	511.89
TOTAL PERIMETER	mm	562
EXTERNAL PERIM.	mm	407
Jxx	cm 4	
Jyy	cm 4	

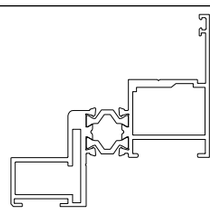
CW 60137051



FIXED FRAME
DORMANT
TELAIO

WEIGHT	g/m	1382+140
SURFACE	mm 2	511.89
TOTAL PERIMETER	mm	562
EXTERNAL PERIM.	mm	407
Jxx	cm 4	
Jyy	cm 4	

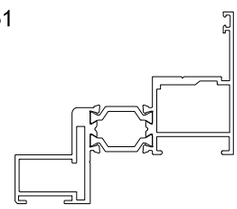
EFC 5137051



FIXED FRAME
DORMANT
TELAIO

WEIGHT	g/m	1479+114
SURFACE	mm 2	547.95
TOTAL PERIMETER	mm	608
EXTERNAL PERIM.	mm	407
Jxx	cm 4	
Jyy	cm 4	

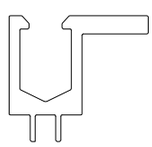
CW 6137051



FIXED FRAME
DORMANT
TELAIO

WEIGHT	g/m	1479+140
SURFACE	mm 2	547.95
TOTAL PERIMETER	mm	608
EXTERNAL PERIM.	mm	407
Jxx	cm 4	
Jyy	cm 4	

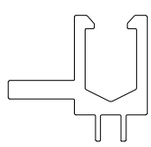
EFC 5138



GLAZING BLOCK
PROFIL VITRAGES
AGGANCIO VETRI

WEIGHT	g/m	294
SURFACE	mm 2	108.73
TOTAL PERIMETER	mm	114
EXTERNAL PERIM.	mm	114
Jxx	cm 4	
Jyy	cm 4	

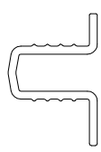
EFC 5139



GLAZING BLOCK
PROFIL VITRAGES
AGGANCIO VETRI

WEIGHT	g/m	294
SURFACE	mm 2	108.73
TOTAL PERIMETER	mm	114
EXTERNAL PERIM.	mm	114
Jxx	cm 4	
Jyy	cm 4	

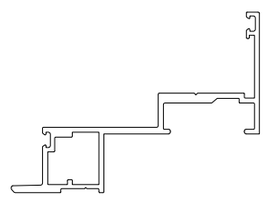
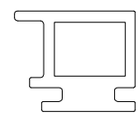
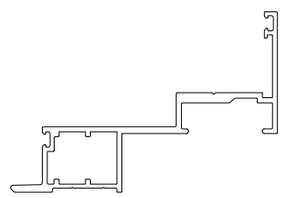
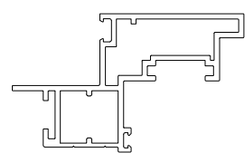
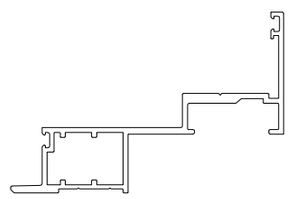
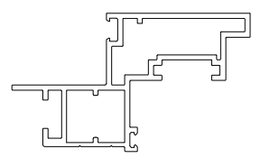
EFC 5140



GLAZING BLOCK
PROFIL VITRAGES
AGGANCIO VETRI

WEIGHT	g/m	139
SURFACE	mm 2	51.62
TOTAL PERIMETER	mm	88
EXTERNAL PERIM.	mm	88
Jxx	cm 4	
Jyy	cm 4	

SCHEDE TECNICHE DEI PROFILI

EFC 5141		WEIGHT	g/m	
		SURFACE	mm 2	
		TOTAL PERIMETER	mm	
		EXTERNAL PERIM.	mm	
		Jxx	cm 4	
		Jyy	cm 4	
EFC 5142 	FIXED FRAME DORMANT TELAIO	WEIGHT	g/m	886
		SURFACE	mm 2	328.01
		TOTAL PERIMETER	mm	377
		EXTERNAL PERIM.	mm	312
		Jxx	cm 4	
		Jyy	cm 4	
EFC 5143 	STRUCTURAL PROFILE PROFIL POUR VEC PROFILO INCOLLAGGIO	WEIGHT	g/m	326
		SURFACE	mm 2	120.84
		TOTAL PERIMETER	mm	119
		EXTERNAL PERIM.	mm	81
		Jxx	cm 4	
		Jyy	cm 4	
EFC 5144 	FIXED FRAME DORMANT TELAIO	WEIGHT	g/m	913
		SURFACE	mm 2	338.25
		TOTAL PERIMETER	mm	404
		EXTERNAL PERIM.	mm	323
		Jxx	cm 4	
		Jyy	cm 4	
EFC 5145 	OUTWARD OPENING OUVRANT/EXTERIEUR ANTA APERTURA EST.	WEIGHT	g/m	1022
		SURFACE	mm 2	378.47
		TOTAL PERIMETER	mm	481
		EXTERNAL PERIM.	mm	283
		Jxx	cm 4	
		Jyy	cm 4	
EFC 5146 	FIXED FRAME DORMANT TELAIO	WEIGHT	g/m	935
		SURFACE	mm 2	346.21
		TOTAL PERIMETER	mm	415
		EXTERNAL PERIM.	mm	327
		Jxx	cm 4	
		Jyy	cm 4	
EFC 5147 	OUTWARD OPENING OUVRANT/EXTERIEUR ANTA APERTURA EST.	WEIGHT	g/m	1044
		SURFACE	mm 2	386.69
		TOTAL PERIMETER	mm	489
		EXTERNAL PERIM.	mm	291
		Jxx	cm 4	
		Jyy	cm 4	

SCHEDE TECNICHE DEI PROFILI

ACCESSORIES- GASKETS - EQUIPMENTS :
(FICHES EA & EG)

System accessories with codes,
description and technical data.

Gaskets with codes,
description and technical data.

Equipments, machines and tools.

ACCESSOIRES- JOINTS - EQUIPPEMENTS :
(FICHES EA et EG)

Accessoires de système avec codes,
description et donneés techniques.

Joints et buchons avec codes,
description et donneés techniques.

Equippements, machines et outillages.

ACCESSORI- GUARNIZIONI - ATTREZZATURE :
(SCHEDE EA e EG)

Sagomario accessori dedicati con codici,
descrizioni e dati tecnici.

Sagomario guarnizioni con codici,
descrizioni e dati tecnici.

Attrezzature, macchinari e utensili

TP PROFILATI

EKOS Curtain Wall 50

ALUMINIUM COLLECTION

TERMAL BREAK COLLECTIONS

TP PROFILATI

FERRAMENTA E ACCESSORI DI SISTEMA

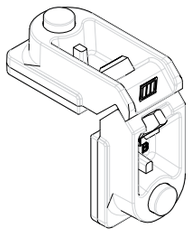
SYSTEM HARDWARE AND ACCESSORIES

QUINQUALLERIES ET ACCESSOIRES DU SYSTÈME

EKOS
ALUMINIUM COLLECTION

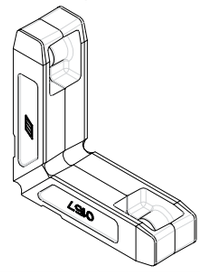
ACCESSORI

0431/250 Aluminium die casted corner with spring bottons
0431/250 Equèrre en aluminum à pions
0431/250 Squadretta in alluminio pressofuso con bottone



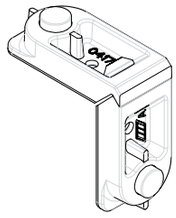
For projecting fix frame

0157/50 Aluminium die casted corner (Pinning-chapfering)
0157/50 Equèrre en aluminum (à goupiller/Sertir)
0157/50 Squadretta in alluminio (Spinare e cianfrinare)



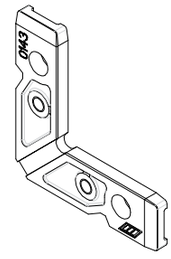
For projecting fix frame

0417/250 Aluminium die casted corner with spring bottons
0417/250 Equèrre en aluminum à pions
0417/250 Squadretta in alluminio pressofuso con bottone



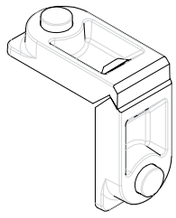
Projecting window sashes

0143F/250 Aluminium die casted corner (Pinning-chapfering)
0143F/250 Equèrre en aluminum (à goupiller/Sertir)
0143F/250 Squadretta in alluminio (Spinare e cianfrinare)



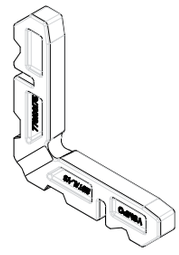
Projecting window sashes

0370/150 Aluminium die casted corner with spring bottons
0370/150 Equèrre en aluminum à pions
0370/150 Squadretta in alluminio pressofuso con bottone



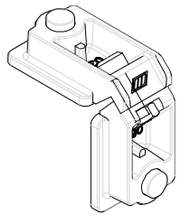
Projecting window sashes

0190/200 Aluminium die casted corner (Pinning-chapfering)
0190/200 Equèrre en aluminum (à goupiller/Sertir)
0190/200 Squadretta in alluminio (Spinare e cianfrinare)



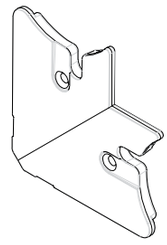
Projecting window sashes
and
Projecting windows fix frames

0363/250 Aluminium die casted corner with spring bottons
0363/250 Equèrre en aluminum à pions
0363/250 Squadretta in alluminio pressofuso con bottone



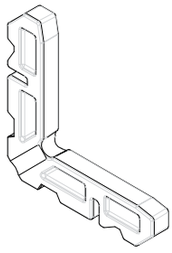
For projecting fix frame

7059 Aluminium die casted corner (with screws)
7059 Equèrre en aluminum (à visser)
7059 Squadretta in alluminio (a avvitare)



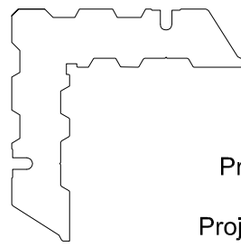
Projecting window sashes
and
Projecting windows fix frames

0181/200 Aluminium die casted corner (Pinning-chapfering)
0181/200 Equèrre en aluminum (à goupiller/Sertir)
0181/200 Squadretta in alluminio (Spinare e cianfrinare)



Projecting window sashes
and
Projecting windows fix frames

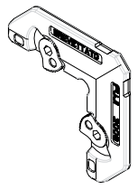
Extruded aluminium corner for h 18 mm
Equèrre en aluminum extrudeé pour hauteur de 18 mm
Squadretta in alluminio estruso per h 18 mm



Projecting window sashes
and
Projecting windows fix frames

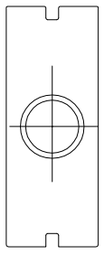
ACCESSORI

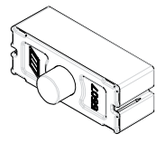
2008/250 Aluminium die casted aliging corner
2008/250 Equèrre d'alignement en aluminum
2008/250 Squadretta di allineamento in alluminio



For projecting fix frame

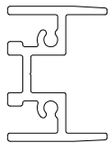
5507/50 Aluminium die casted T connector for transoms
5507/50 Chevalier en aluminum pour traverses
5507/50 Cavallotto in alluminio per traversi





Betwen mullions already fixed

5064 Aluminium die casted T connector for transoms
5064 Chevalier en aluminum pour traverses
5064 Cavallotto in alluminio per traversi

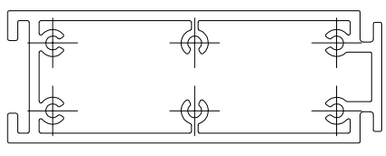


Extruded and deliver in bars
Not frontal insertion allowed!
To be cut to dimension

5072 Aluminium die casted T connector for transoms
5072 Chevalier en aluminum pour traverses
5072 Cavallotto in alluminio per traversi

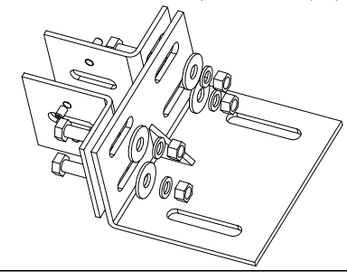
Extruded and deliver in bars
Not frontal insertion allowed!
To be cut to dimension

5042 Aluminium die casted connector for mullions
5042 Chevalier en aluminum pour meneaux
5042 Cavallotto in alluminio per montanti

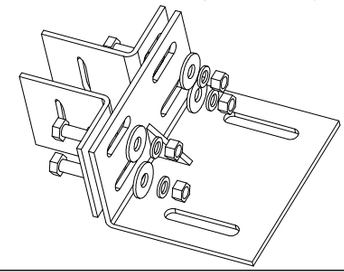


Extruded and deliver in bars
To be cut to dimension

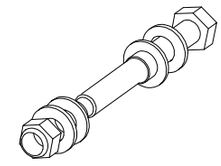
ASAE 3096 Steel brakets mullions support for floor fixing (Upper)
ASAE 3096 Consolle en acier pour meneaux (Superière)
ASAE 3096 Staffa in acciaio per montanti (Superiore soletta)



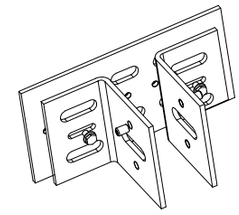
ASAE 3097 Steel brakets mullions support for floor fixing (Lower)
ASAE 3097 Consolle en acier pour meneaux (Inferière)
ASAE 3097 Staffa in acciaio per montanti (Inferiore soletta)



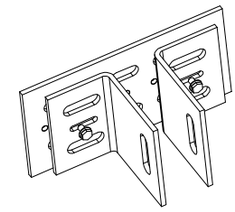
ASAE 3139 Steel brakets screw bolt
ASAE 3139 Visserie en acier pour consolles
ASAE 3139 Bullone e vite per staffe in acciaio



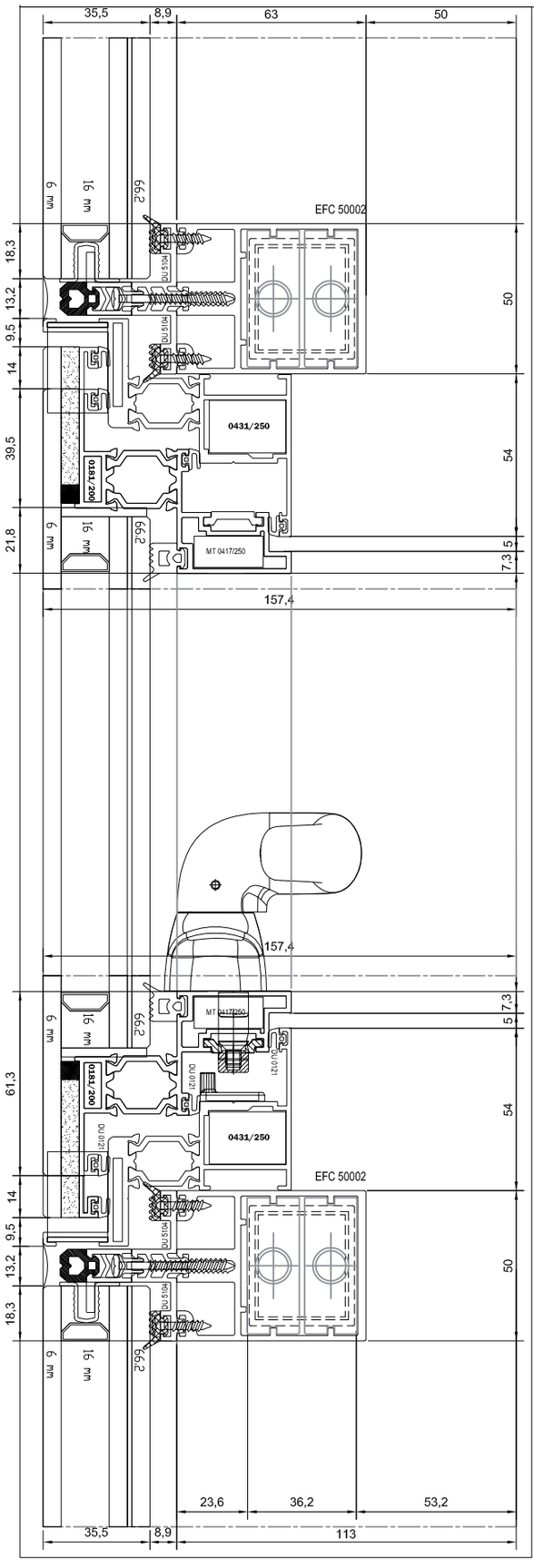
ASAE 2976 Steel brakets for mullions (Upper regulating)
ASAE 2976 Consolle en acier pour meneaux (Superière reg.)
ASAE 2976 Staffa in acciaio per montanti (Superiore registrabile)



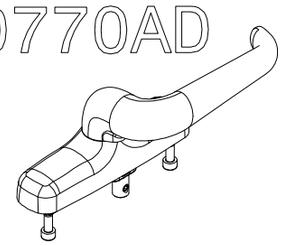
ASAE 2977 Steel brakets for mullions (Lower)
ASAE 2977 Consolle en acier pour meneaux (Inferière)
ASAE 2977 Staffa in acciaio per montanti (Inferiore)



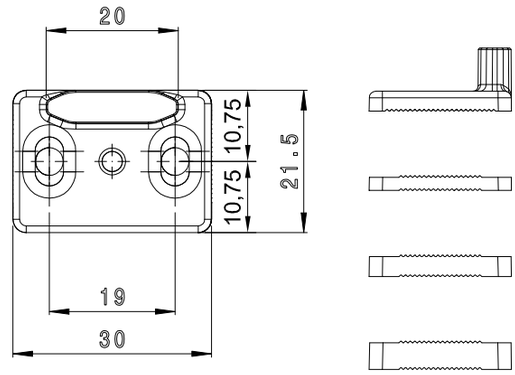
ACCESSORI

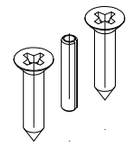


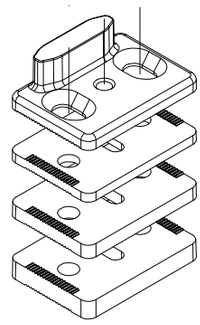
0770AD



1598C







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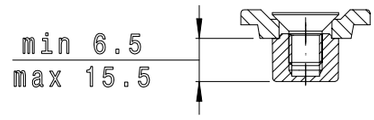
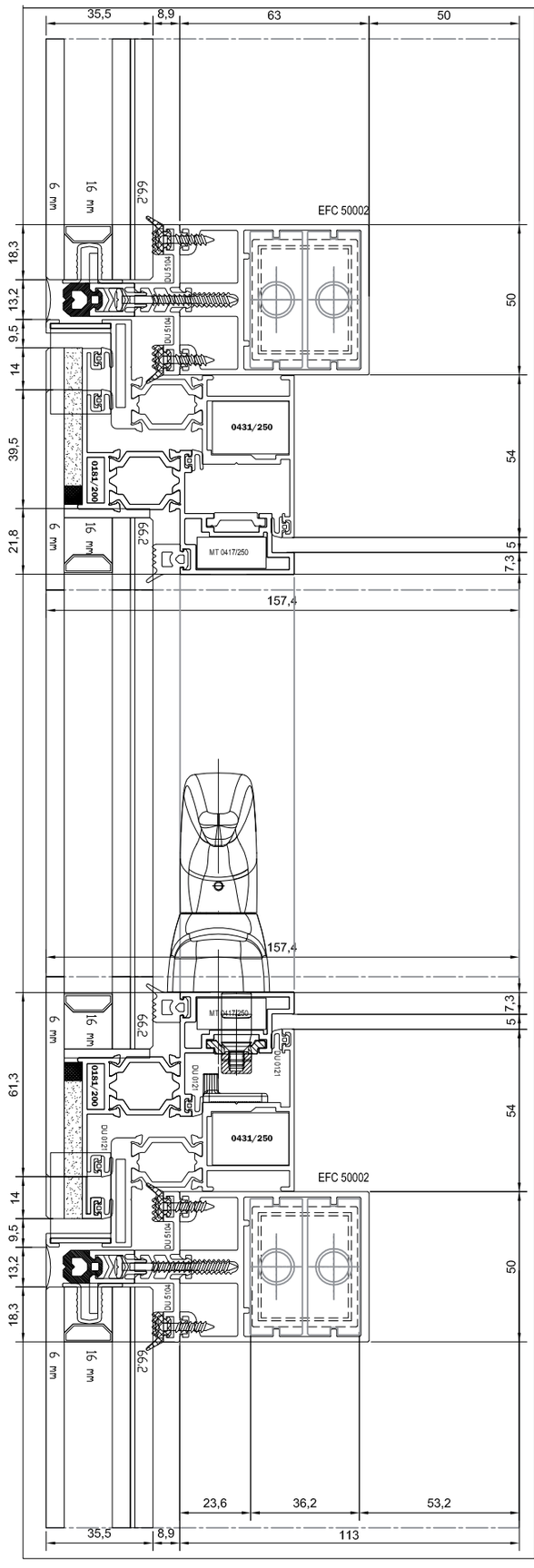
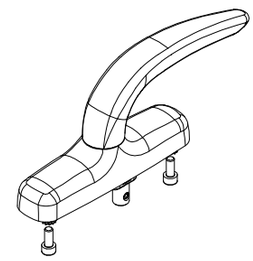


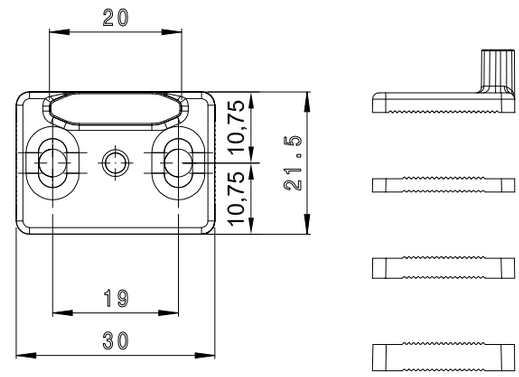
ACCESSORI

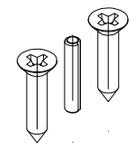


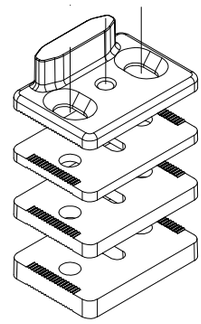
0770



1598C







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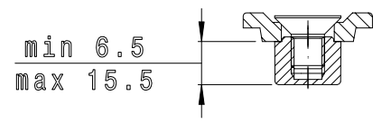

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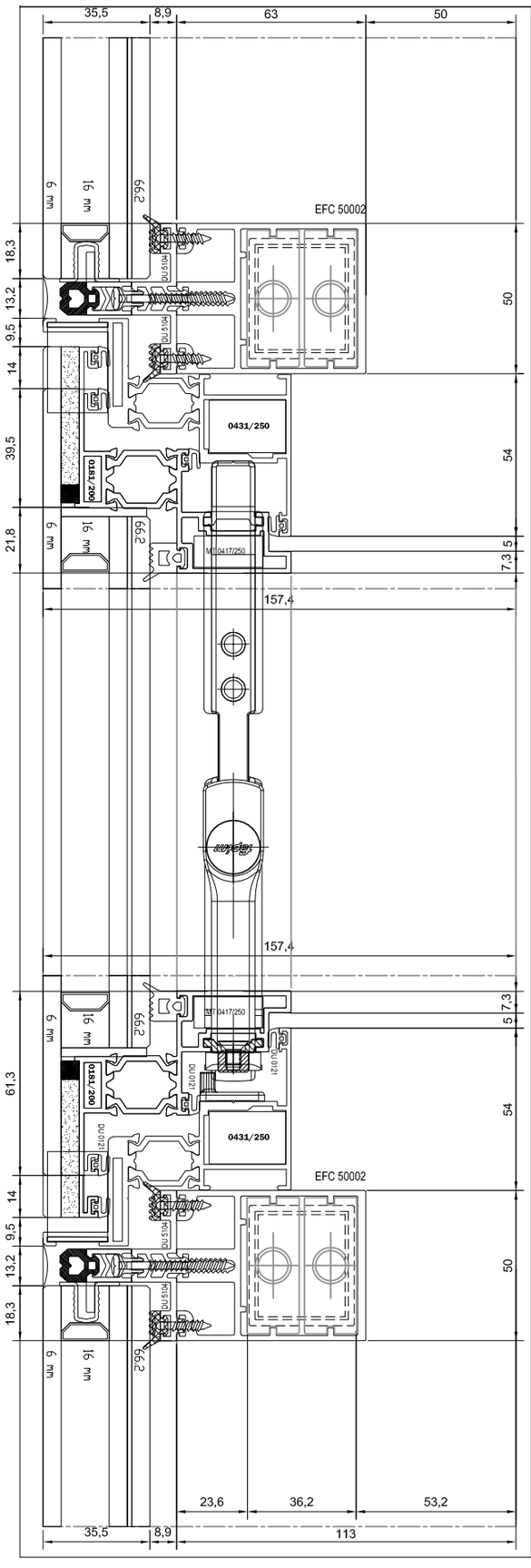
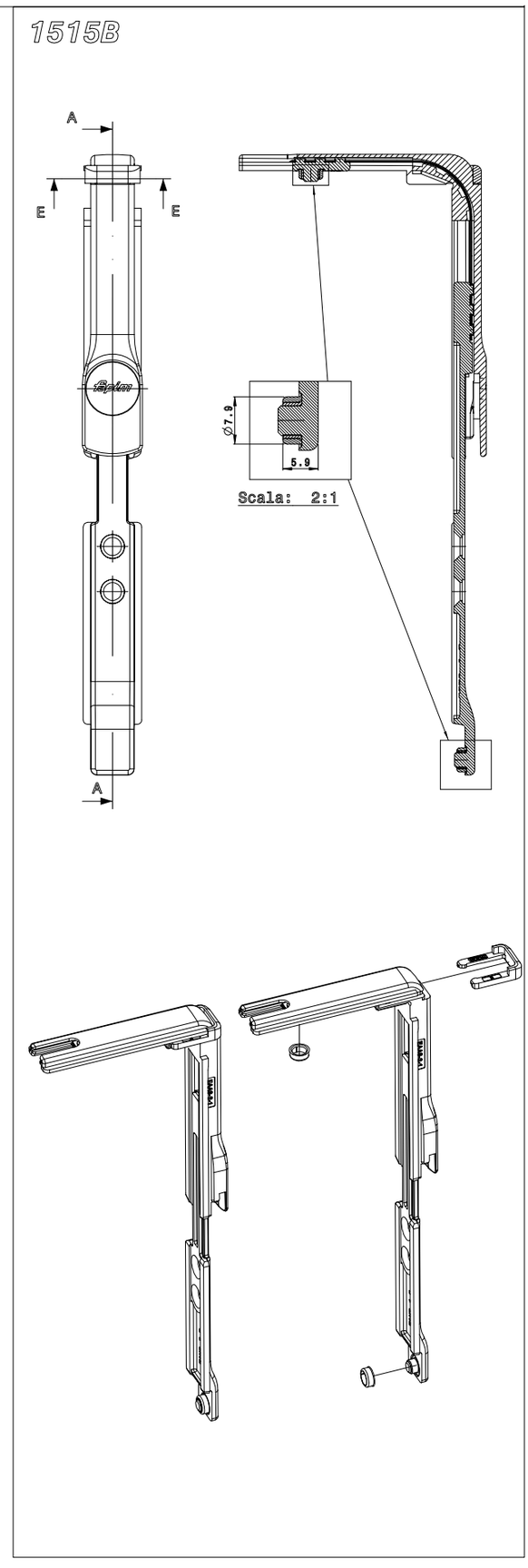
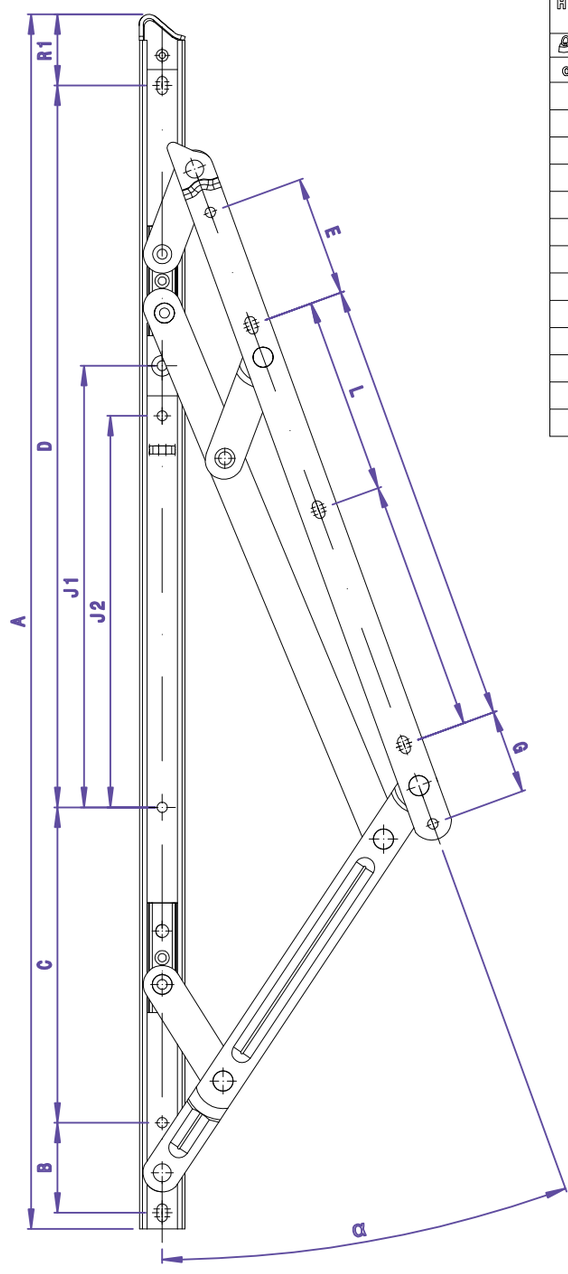

35,5
8,9
63
50
EFC 50002
0431/250
0417/250
157,4
23,6
36,2
53,2
113
18,3
13,2
9,5
14
39,5
21,8
61,3
7,3
5


1515B
A
E
Ø1.9
5.9
Scala: 2:1

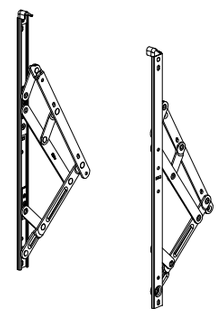
ACCESSORI



	3250C		3250D		3250F		3250H	
H(mm) min	1200		1400		1600		1800	
H(mm) max	1400		1600		1800		2000	
(Kg)max	100		110		120		130	
α (gradi)	25°	30°	20°	25°	15°	20°	15°	20°
A	18"		20"		24"		28"	
B	44		44,5		45		52	
C	154,5		147,5		147,5		147,5	
D	220,5		281		370,5		488,5	
E	60		60		60		60	
F	127		160		223		297	
G	42		42		42		42	
I	/		/		/		149	
L	/		/		/		148	
J1	74.5	/	153.5	/	235.5	/	325.5	/
J2	/	41.5	/	123.5	/	206.5	/	293.5
R1	35.5		35.5		35.5		35.5	
R2	42		42		42		42	

fapim

Art.3250C
Art.3250D
Art.3250F
Art.3250H



Art. 3250C: P-C-100 kg (220 lbs)-
1400 mm (55 in) High-NLR
Art. 3250D: P-C-110 kg (242 lbs)-
1600 mm (63 in) High-NLR
Art. 3250F: P-C-120 kg (264 lbs)-
1800 mm (71 in) High-NLR
Art. 3250H: P-C-130 kg (287 lbs)-
2000 mm (79 in) High-NLR

Manufacturer of verified components

- Attestazione di conformità ottenuta in base alle norme AAMA904-01 e AAMA907-05
- Cerificate of conformity issued according to the AAMA904-1 and AAMA907-05 standards
- Attestation de conformité obtenue sur la base des normes AAMA904-1 et AAMA907-05
- Atestación de conformidad obtenida según las normas AAMA904-1 e AAMA907-05

TP PROFILATI

EKOS Curtain Wall 50

ALUMINIUM COLLECTION

TERMAL BREAK COLLECTIONS

TP PROFILATI

UTENSILI E MACCHINE PER LA PRODUZIONE

SYSTEM EQUIPMENTS, TOOLS AND MACHINES

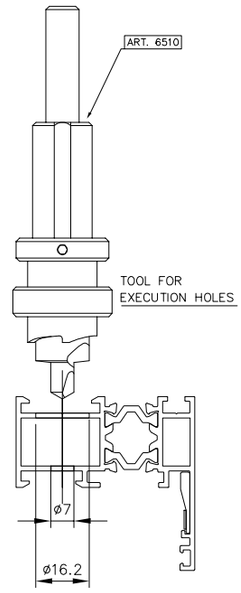
MACHINES ET OUTILLAGES POUR LA FABRICATION

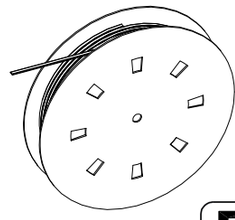
EKOS
ALUMINIUM COLLECTION

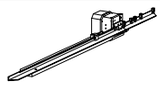
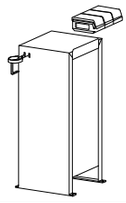
UTENSILI E MACCHINE

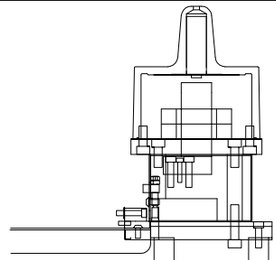
..... Curtain wall punching machine
..... Poinçonneuse pour murs rideaux
..... Punzonatrice per facciate continue

GS 06510 TOOL FOR FRAMES FASTNERS HOLES
GS 06510 OUTILS POUR TASSEAUX DE MISE EN OEUVRE
GS 06510 UTENSILE DI FORATURA TASSELLI DI POSA



Articles	Code
 FP14	1683

Manual punching machine FP12 for aluminium rods	
 FP12	1685
 FP12	1686

Punching machine FP16 for polyamide rods	Code
 FP16	

GUARNIZIONI E TAPPI DI SISTEMA

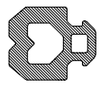
SYSTEM GASKETS AND PLUGS

JOINTS ET BOUCHONS DU SYSTÈME

EKOS
ALUMINIUM COLLECTION

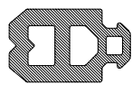
GUARNIZIONI E TAPPI DI SISTEMA

DU 5101 Central gasket for pressure plates
DU 5101 Central gasket pour presseurs
DU 5101 Guarnizione centrale per pressori



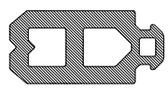
(EPDM-Rigid)

DU 5102 Central gasket for pressure plates
DU 5102 Central gasket pour presseurs
DU 5102 Guarnizione centrale per pressori



(EPDM-Rigid)

DU 5103 Central gasket for pressure plates
DU 5103 Central gasket pour presseurs
DU 5103 Guarnizione centrale per pressori



(EPDM-Rigid)

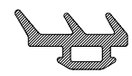
DU 5104 Glazing gasket (Transoms side)
DU 5104 Joint de vitration (Traverses)
DU 5104 Guarnizione cingivetro (Traversi)

DU 5105 Glazing gasket (Mullions side)
DU 5105 Joint de vitration (Meneaux)
DU 5105 Guarnizione cingivetro (Montanti)

DU 5106 Outer glazing gasket - 2 mm
DU 5106 Joint de vitrages exterieur - 2 mm
DU 5106 Guarnizione gingivetro esterna - 2 mm

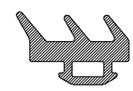
(EPDM)

DU 5107 Outer glazing gasket - 3-4 mm
DU 5107 Joint de vitrages exterieur - 3-4 mm
DU 5107 Guarnizione gingivetro esterna - 3-4 mm



(EPDM)

DU 5108 Outer glazing gasket - 5-6 mm
DU 5108 Joint de vitrages exterieur - 5-6 mm
DU 5108 Guarnizione gingivetro esterna - 5-6 mm



(EPDM)

DU 5124 Glazing gasket (Mullions side on roofs)
DU 5124 Joint de vitration (Chevrons toitures)
DU 5124 Guarnizione cingivetro (Montanti coperture)

(EPDM)

DU 5125 Glazing gasket (Transoms side on roofs)
DU 5125 Joint de vitration (Traverses en toiture)
DU 5125 Guarnizione cingivetro (Traversi per coperture)

(EPDM)

GUARNIZIONI E TAPPI DI SISTEMA

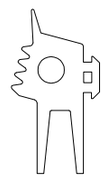
DU 5126 Glazing gasket (Mullions high performances)
DU 5126 Joint de vitration (Meneaux isolation)
DU 5126 Guarnizione cingivetro (Montanti prestazioni termiche)

(EPDM)

DU 5127 Glazing gasket (Transoms high performances)
DU 5127 Joint de vitration (Traverses d'isolation)
DU 5127 Guarnizione cingivetro (Traversi prestazioni termiche)

(EPDM)

DU 51.. Glazing gasket (Mullions 15°+/- 5°)
DU 51.. Joint de vitration (Meneaux 15°+/- 5°)
DU 51.. Guarnizione cingivetro (Montanti 15°+/- 5°)



(EPDM)

DU 51.. Glazing gasket (Mullions 30°+/- 5°)
DU 51.. Joint de vitration (Meneaux 30°+/- 5°)
DU 51.. Guarnizione cingivetro (Montanti 30°+/- 5°)

(EPDM)

DU 51.. Glazing gasket (Mullions 45°+/- 5°)
DU 51.. Joint de vitration (Meneaux 45°+/- 5°)
DU 51.. Guarnizione cingivetro (Montanti 45°+/- 5°)

(EPDM)

DU 51.. Glazing gasket (Transoms 15°+/- 5°)
DU 51.. Joint de vitration (Traverses 15°+/- 5°)
DU 51.. Guarnizione cingivetro (Traversi 15°+/- 5°)

(EPDM)

DU 51.. Glazing gasket (Transoms 30°+/- 5°)
DU 51.. Joint de vitration (Traverses 30°+/- 5°)
DU 51.. Guarnizione cingivetro (Traversi 30°+/- 5°)

(EPDM)

DU 51.. Glazing gasket (Transoms 45°+/- 5°)
DU 51.. Joint de vitration (Traverses 45°+/- 5°)
DU 51.. Guarnizione cingivetro (Traversi 45°+/- 5°)

(EPDM)

DU 0152 Inner glazing gasket - 2 mm
DU 0152 Joint de vitrages interieur - 2 mm
DU 0152 Guarnizione gingivetro interna - 2 mm

(EPDM)

DU 0153 Inner glazing gasket - 3 mm
DU 0153 Joint de vitrages interieur - 3 mm
DU 0153 Guarnizione gingivetro interna - 3 mm

(EPDM)

GUARNIZIONI E TAPPI DI SISTEMA

DU 0154 Inner glazing gasket - 4 mm
DU 0154 Joint de vitrages interieur - 4 mm
DU 0154 Guarnizione gingivetro interna - 4 mm

(EPDM)

DU 1879 Outer glazing gasket - 3 mm
DU 1879 Joint de vitrages exterieur - 3 mm
DU 1879 Guarnizione gingivetro esterna - 3 mm

(EPDM)

DU 0155 Inner glazing gasket - 5 mm
DU 0155 Joint de vitrages interieur - 5 mm
DU 0155 Guarnizione gingivetro interna - 5 mm

(EPDM)

DU 0715 Outer glazing gasket - 3 mm
DU 0715 Joint de vitrages exterieur - 3 mm
DU 0715 Guarnizione gingivetro esterna - 3 mm

(EPDM)

DU 0156 Inner glazing gasket - 6 mm
DU 0156 Joint de vitrages interieur - 6 mm
DU 0156 Guarnizione gingivetro interna - 6 mm

(EPDM)

DU122 Interlock gasket
DU122 joint de feuillure
DU122 guarnizione di battuta

(EPDM)

DU 1880 Inner glazing gasket - 2 mm
DU 1880 Joint de vitrages interieur - 2 mm
DU 1880 Guarnizione gingivetro interna - 2 mm

(EPDM)

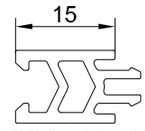
DU .... Mosquito screen net gasket
DU .... Joint pour toile mustiquaire
DU .... Guarnizione per zanzariera

(PVC)

DU 1881 Inner glazing gasket - 4-5 mm
DU 1881 Joint de vitrages interieur - 4-5 mm
DU 1881 Guarnizione gingivetro interna - 4-5 mm

(EPDM)

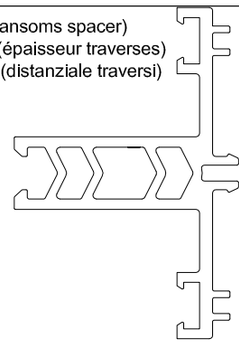
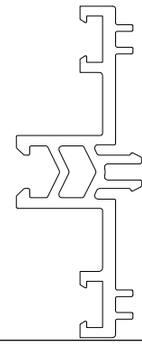
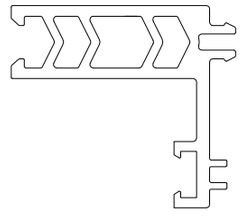
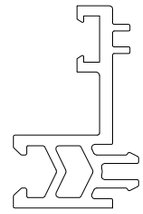
TF 218200 Polyamide bars 15 mm (spacer)
TF 218200 Barrettes en polyamide de 15 mm (epaisseur)
TF 218200 Barrette in polyamide da 15 mm (distanziale)



EFC 5091 (aluminium)

(Polyamide PA 6.6)

GUARNIZIONI E TAPPI DI SISTEMA

DU 5104 +TF 218200 PVC Profile (Transoms spacer) DU 5104 + TF 218200 Profil en PVC (épaisseur traverses) DU 5104 + TF 218200 Profilo in PVC (distanziale traversi) EFC 5066 (aluminium) EFC 5066 Kg/m 0,767 	DU 2304 Transoms plug DU 2304 Bouchon pour traverses DU2304Tappo traversi
DU 5104 PVC Profile (Transoms spacer) DU 5104 Profil en PVC (épaisseur traverses) DU 5104 Profilo in PVC (distanziale traversi) EFC 5090 (aluminium) EFC 5090 Kg/m 0,548 	DU ..... Mullions plug DU ..... Bouchon pour meneaux DU ..... Tappo montanti
DU 5112 +TF 218200 PVC Profile (Transoms spacer) DU 5112 + TF 218200 Profil en PVC (épaisseur traverses) DU 5112 + TF 218200 Profilo in PVC (distanziale traversi) EFC 5077 (aluminium) EFC 5077 Kg/m 0,615 	
DU 5112 PVC Profile (Transoms spacer) DU 5112 Profil en PVC (épaisseur traverses) DU 5112 Profilo in PVC (distanziale traversi) EFC 5112 (aluminium) EFC 5112 Kg/m 0,397 	

GUARNIZIONI E TAPPI DI SISTEMA

PROFILES SECTIONS :
(FICHES SP)

FICHES SP: profiles shapes in scale 1:1 of all the profiles with codes, surface of treatment, weigth and others technical data for the calculations.

COUPES DES PROFILES :
(FICHES SP)

FICHES SP: profils à l'echèlle 1:1 de tous les profils avec codes, surface en vue, poids et d'autres donneés techniques pour les calculs.

SEZIONI PROFILATI :
(SCHEDE SP)

SCHEDE SP: sezioni in scala 1:1 di tutti i profilati, con codici, superfice in vista, peso e altri dati tecnici e di calcolo.

TP PROFILATI

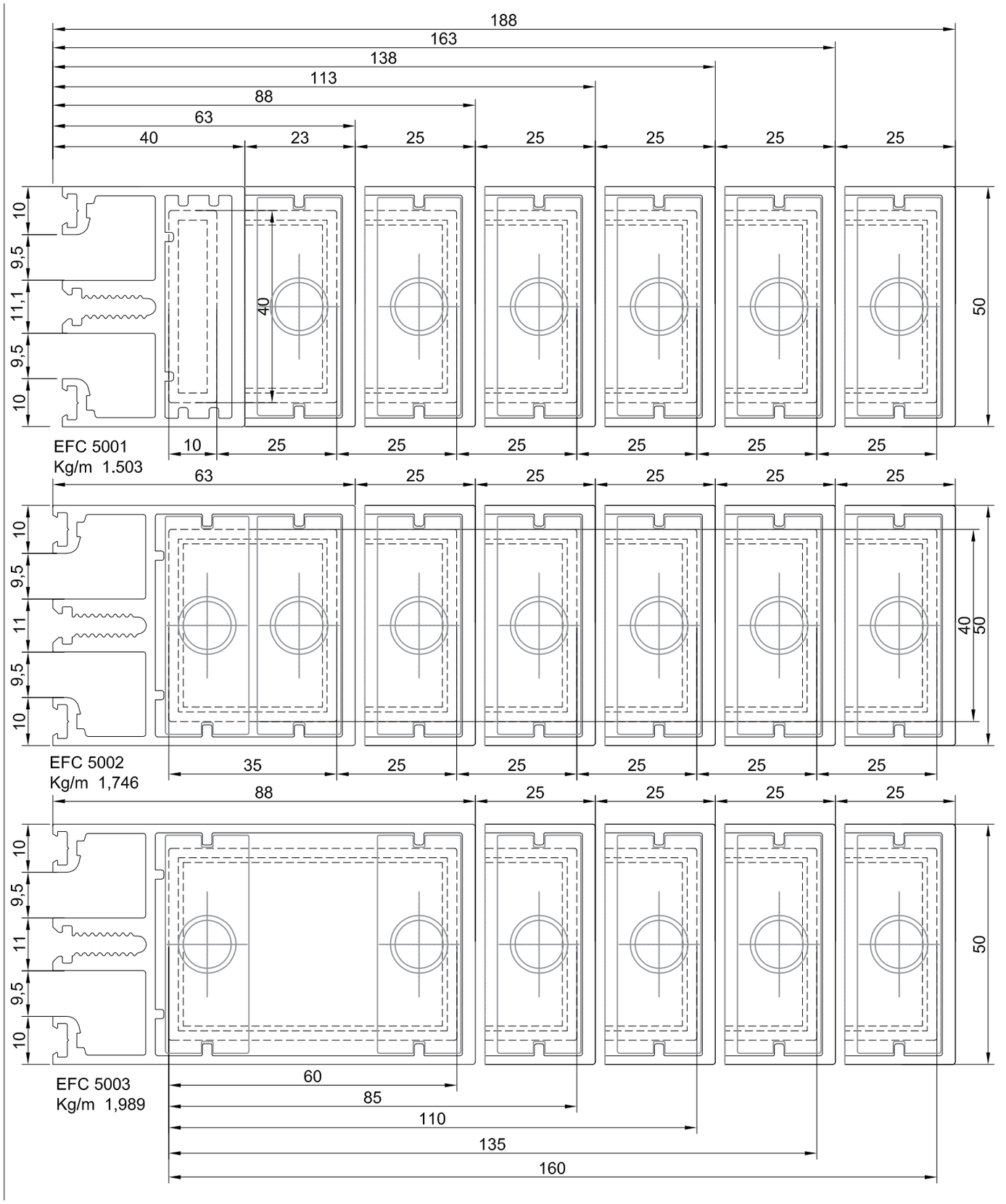
PROFILI IN SCALA 1:1

PROFILES AT THE SCALE 1:1

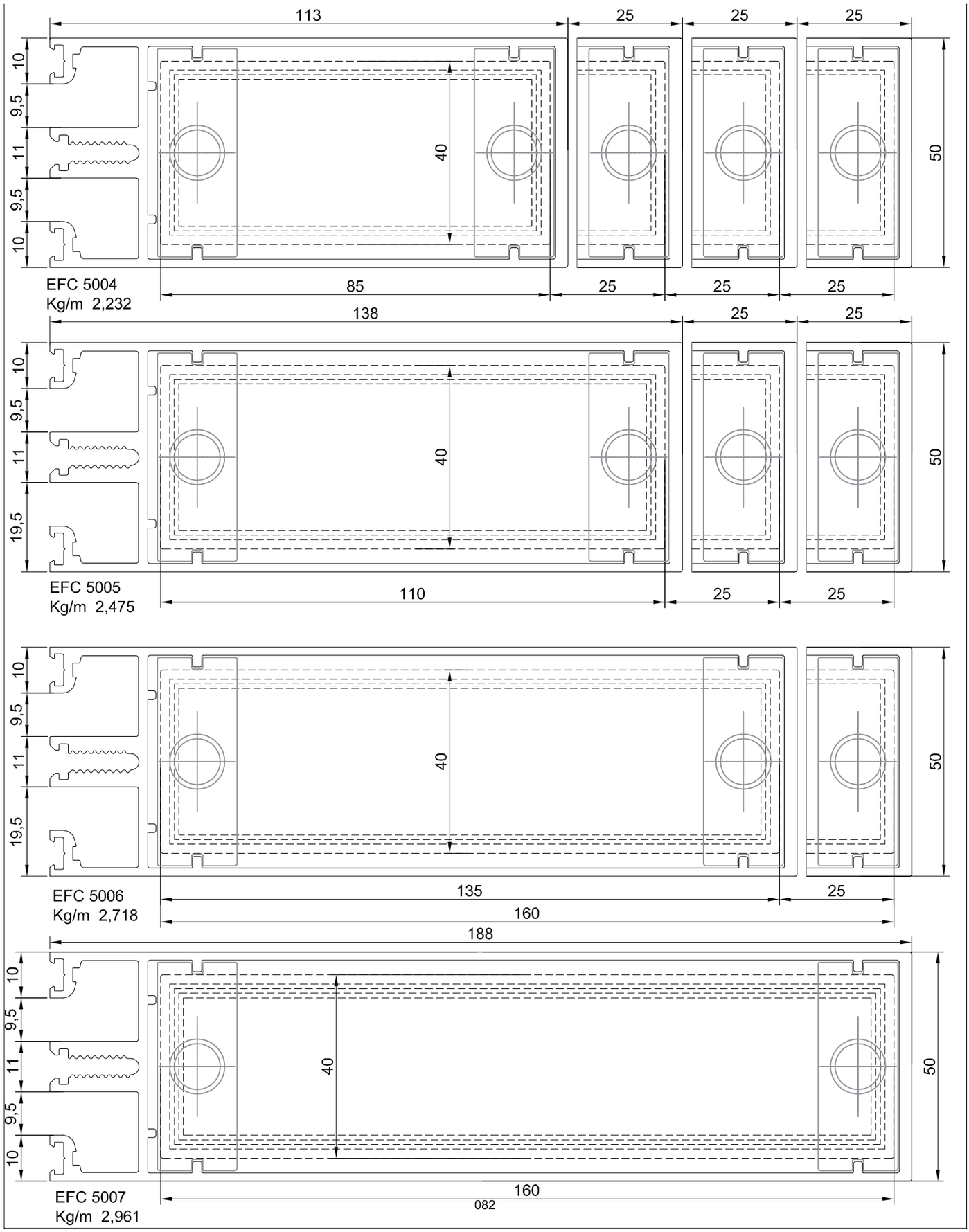
PROFILS À L'ECHÈLLE 1:1

EKOS
ALUMINIUM COLLECTION

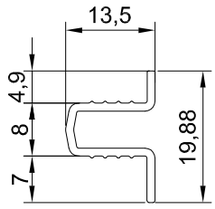
PROFILI IN SCALA 1:1



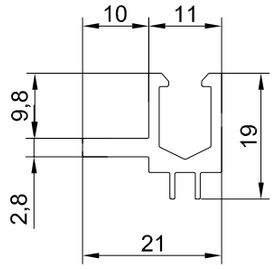
PROFILI IN SCALA 1:1



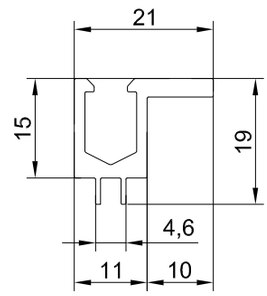
PROFILI IN SCALA 1:1



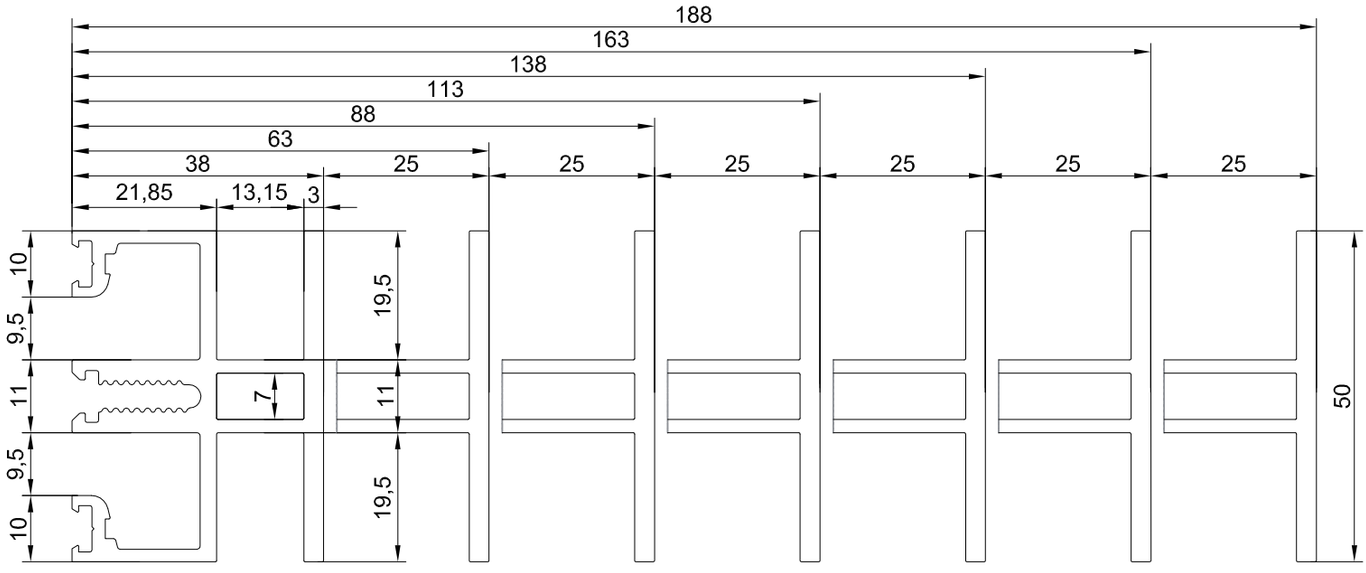
EFC 5140
Kg/m 0,139



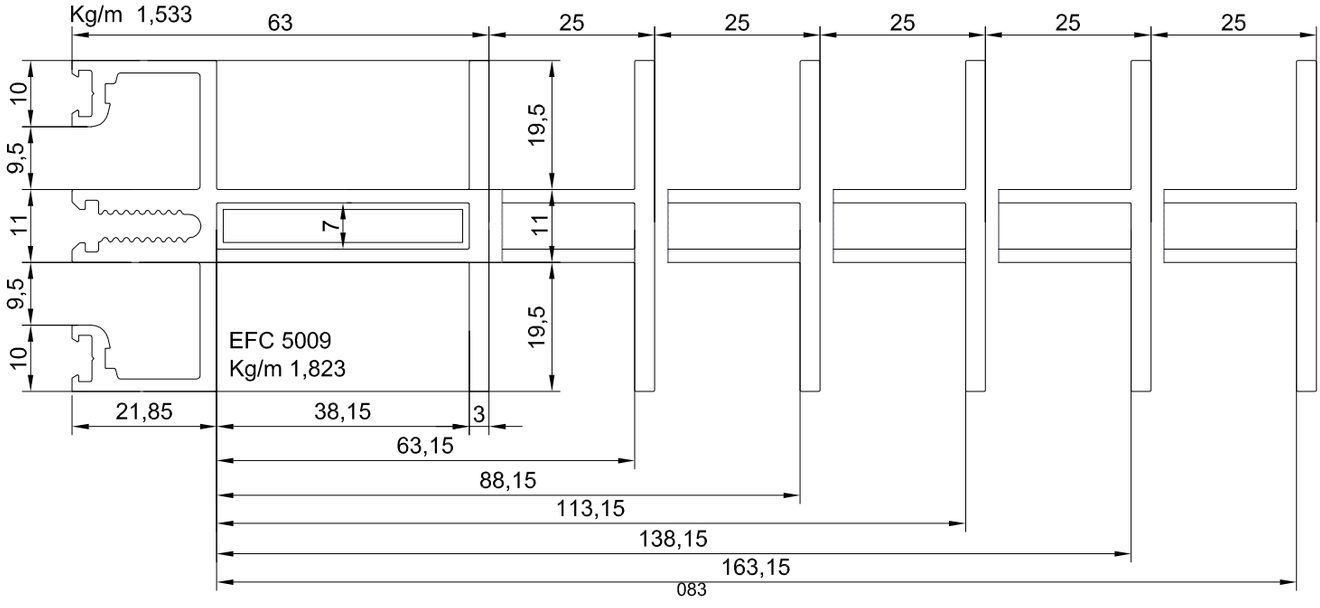
EFC 5139
Kg/m 0,294



EFC 5138
Kg/m 0,294



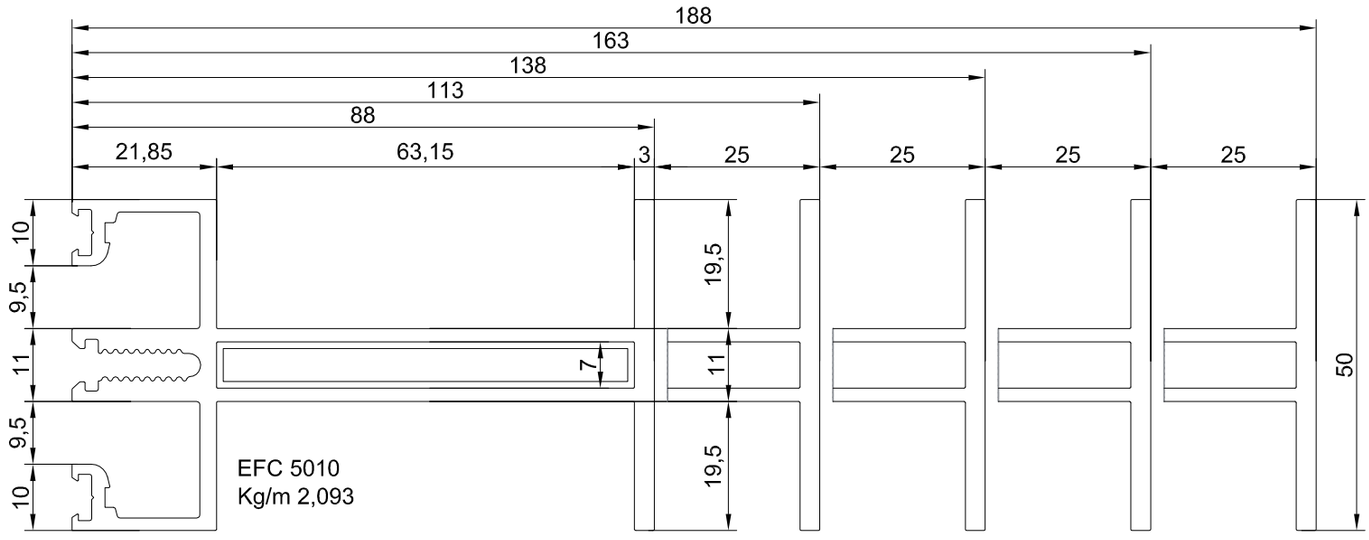
EFC 5008
Kg/m 1,533

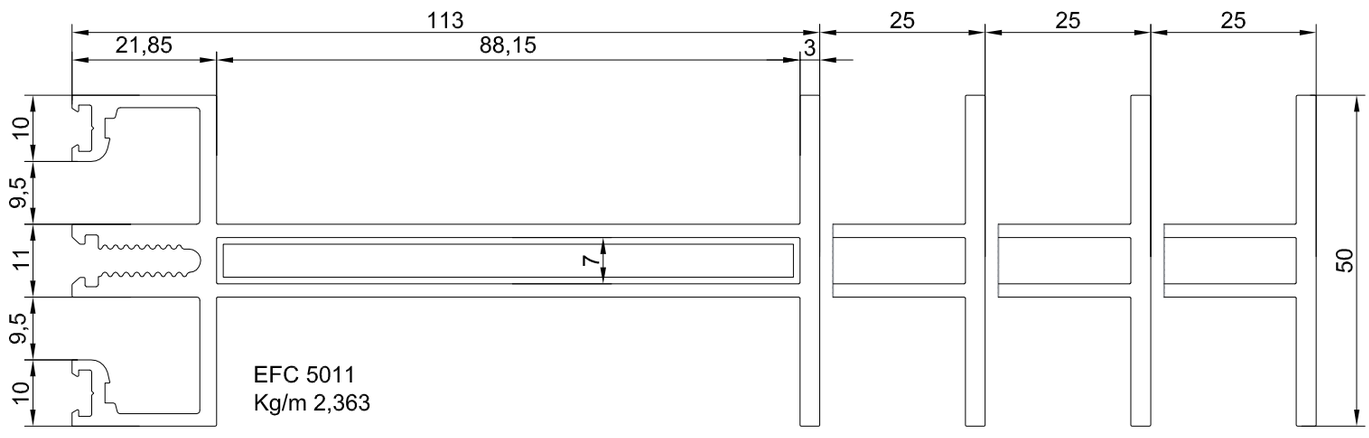


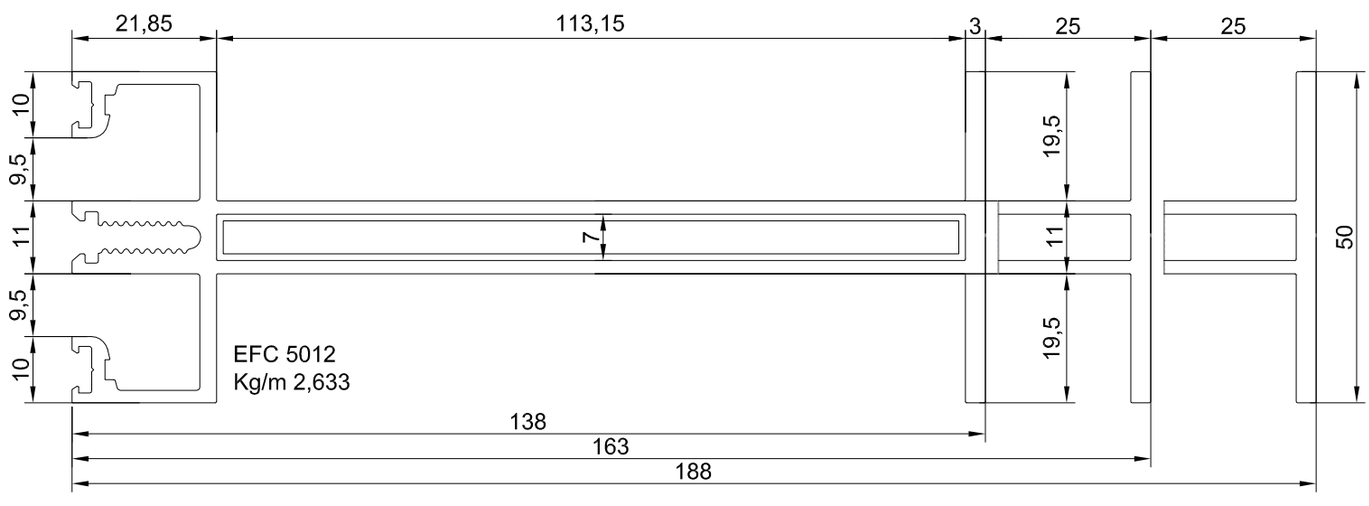
EFC 5009
Kg/m 1,823

083

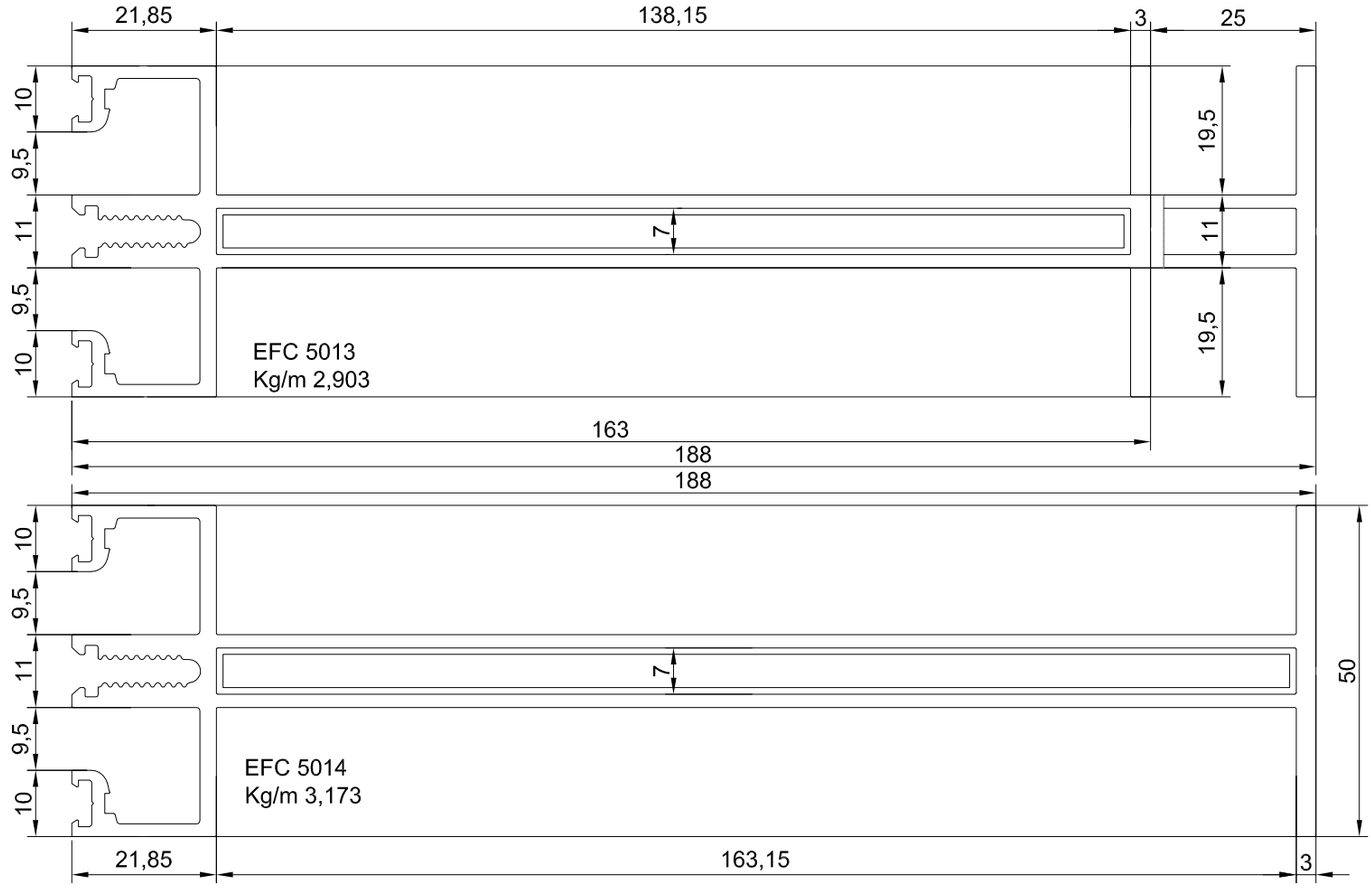
PROFILI IN SCALA 1:1

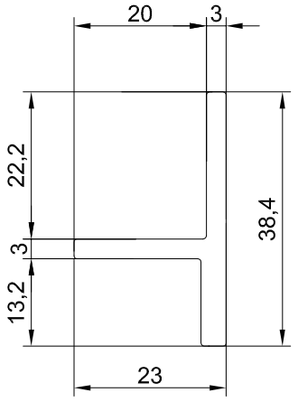




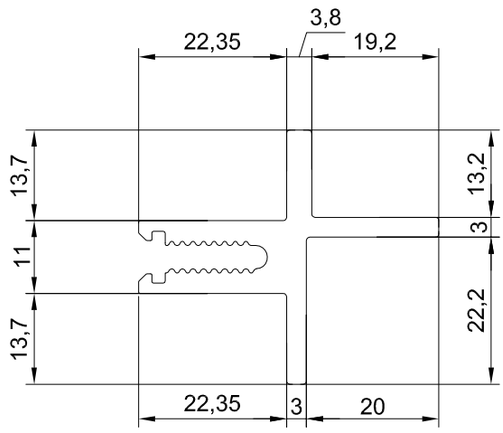


PROFILI IN SCALA 1:1

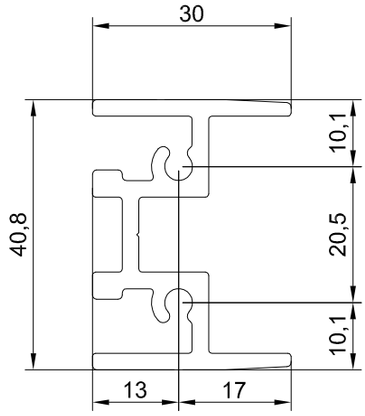




EFC 5022
Kg/m 0,501



EFC 5021
Kg/m 0,929



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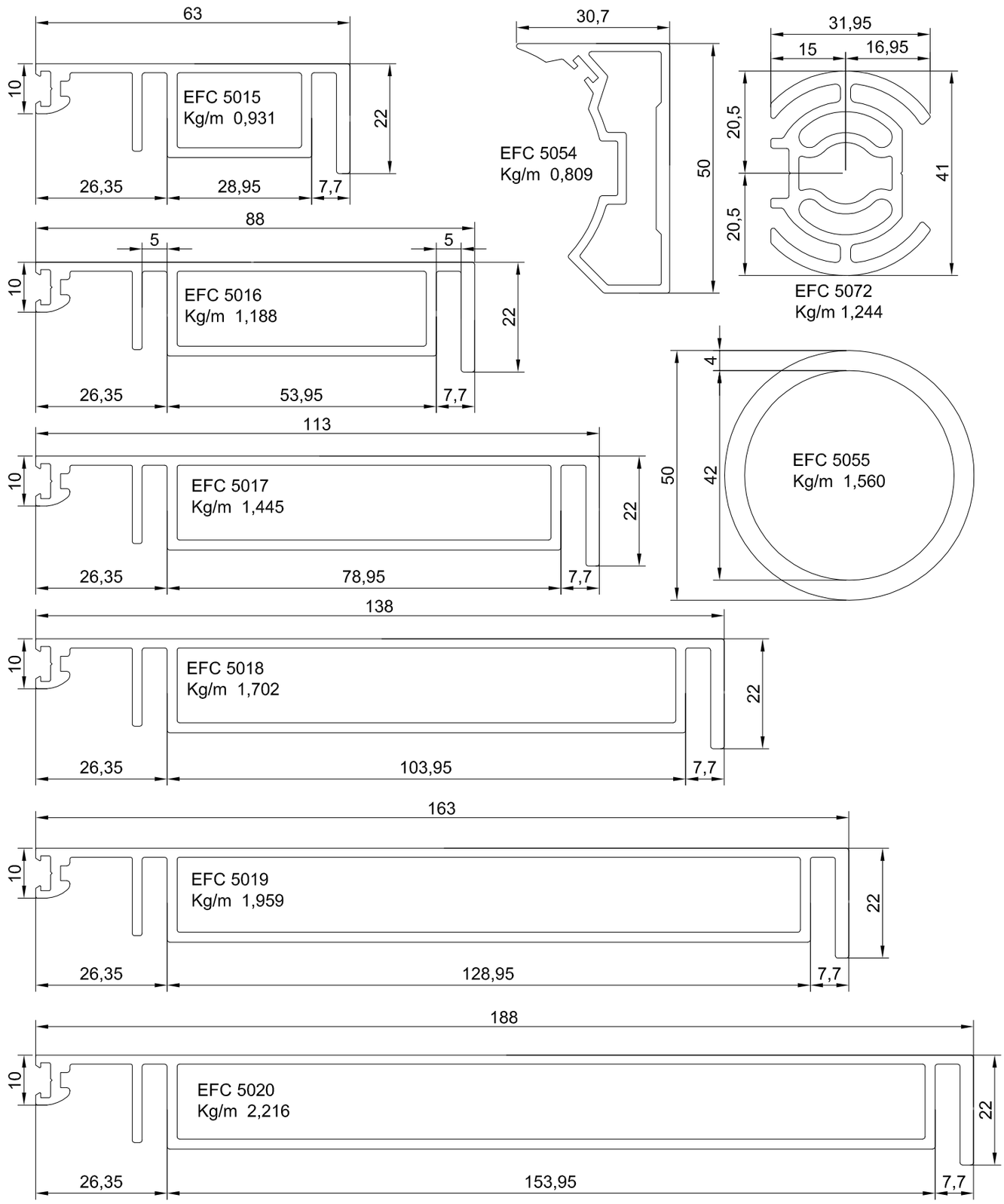
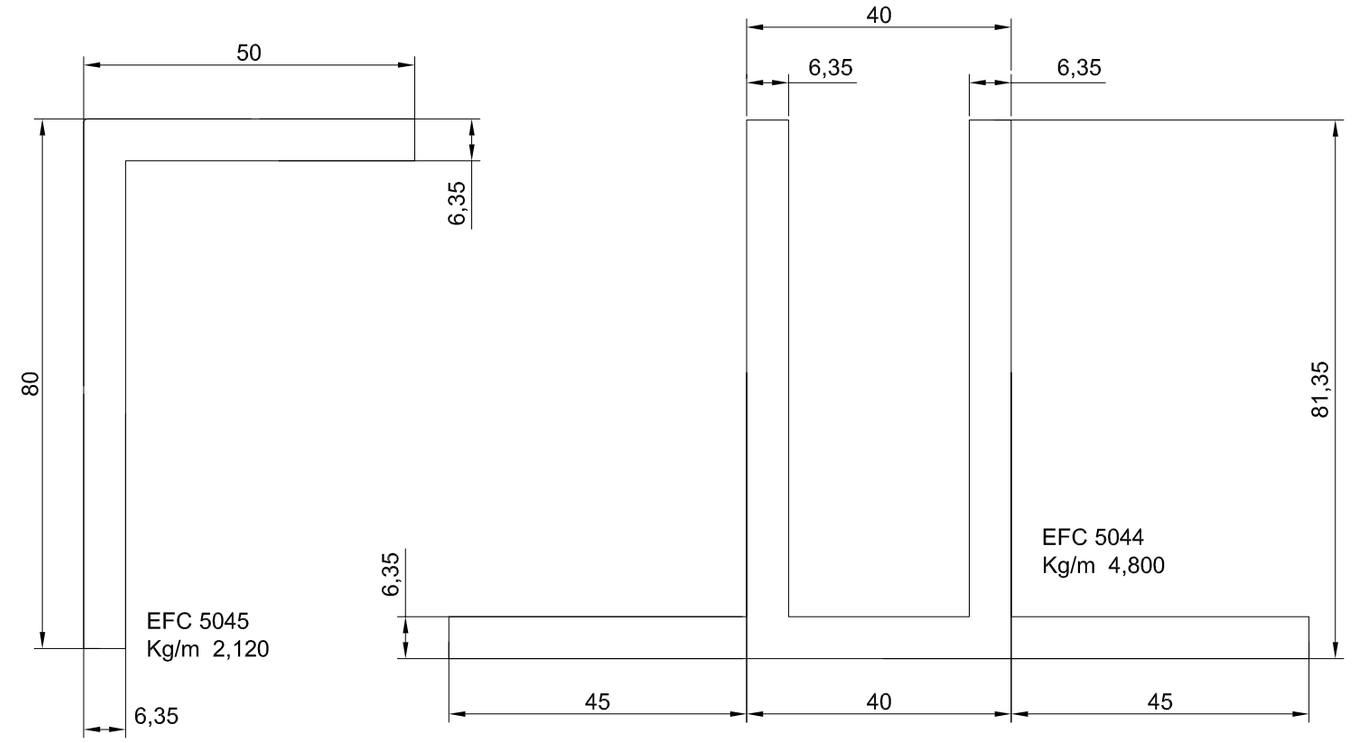
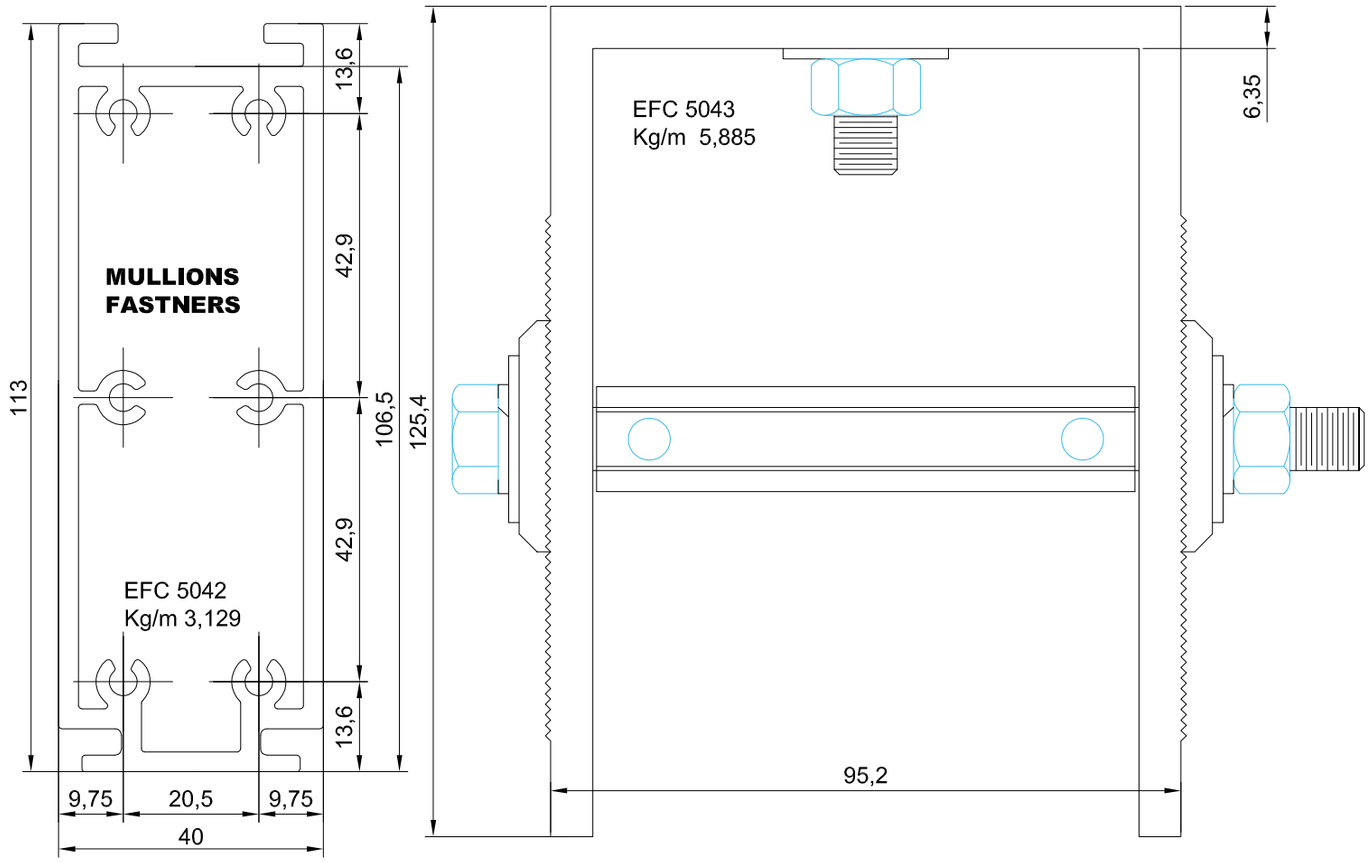
Kg/m 0,942

PROFILI IN SCALA 1:1

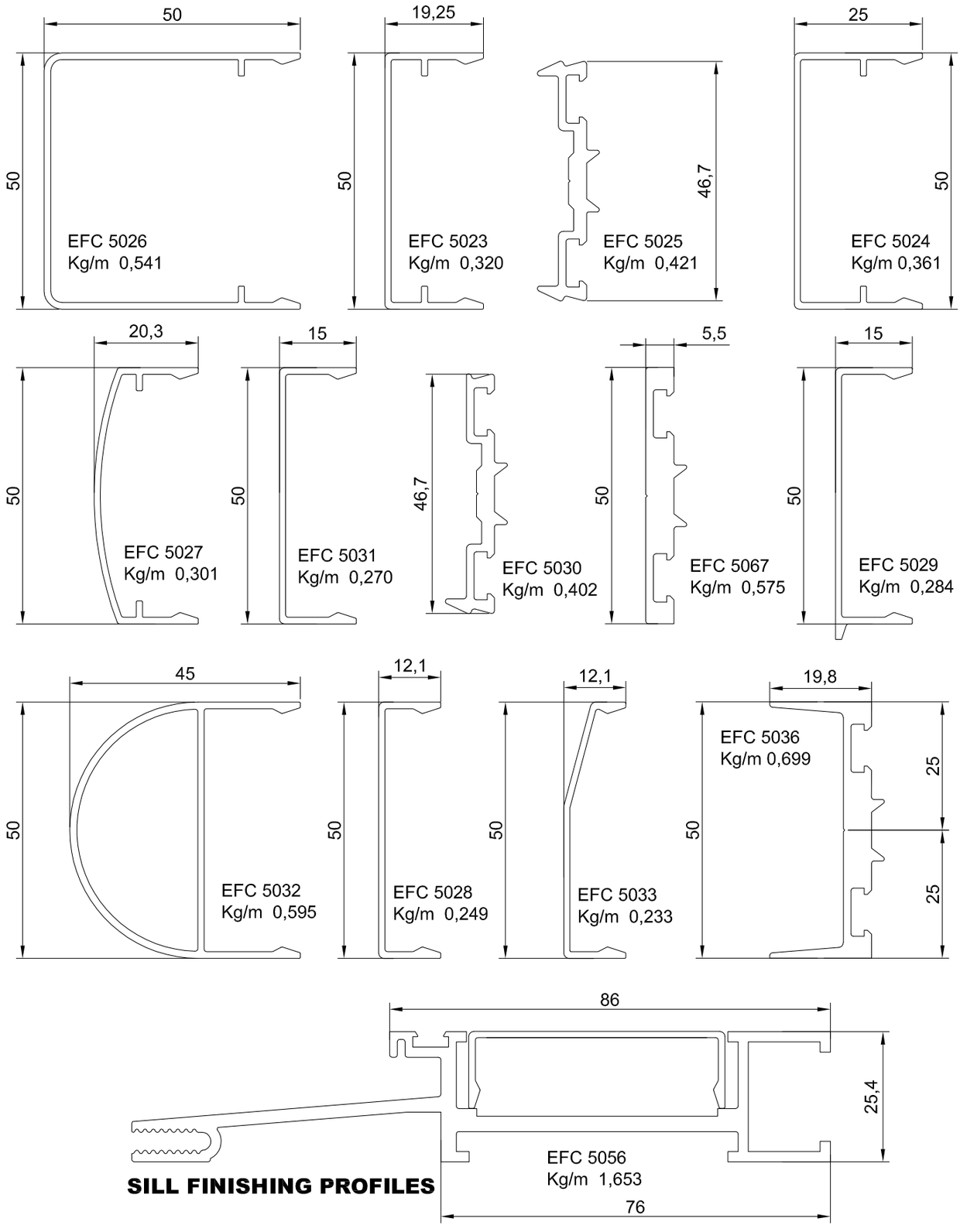


PROFILI IN SCALA 1:1

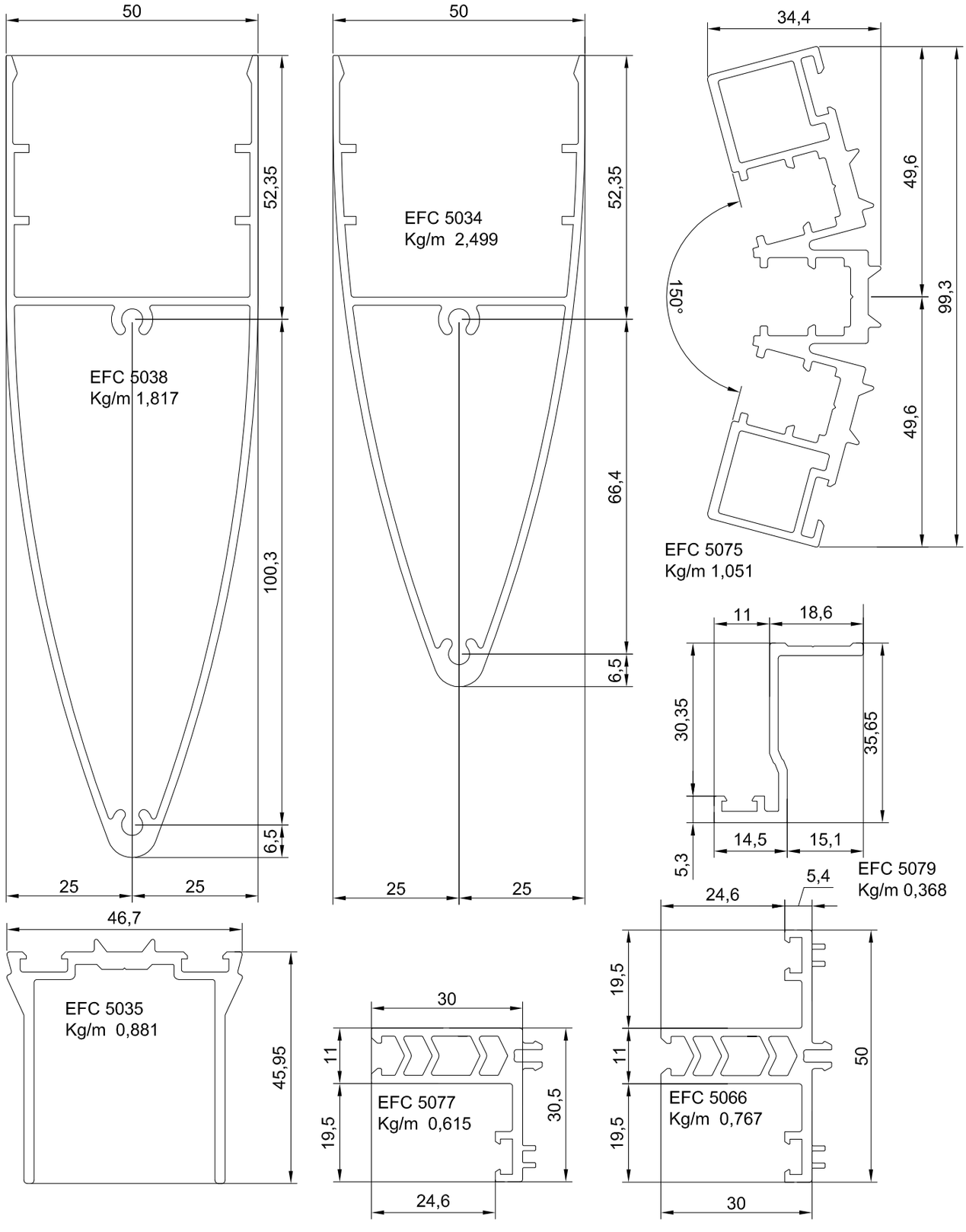




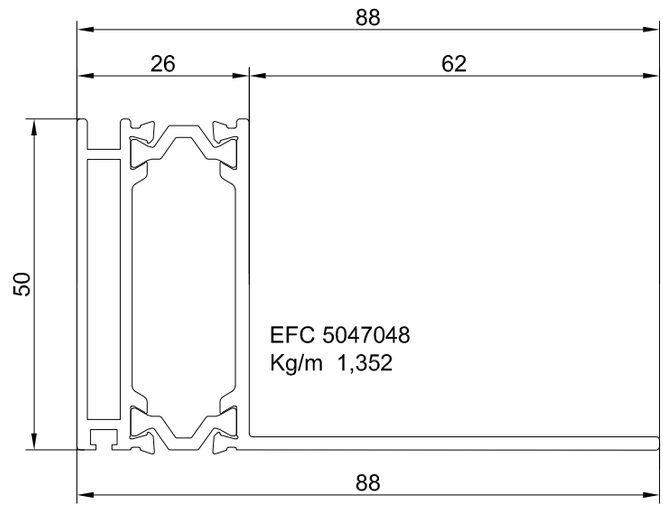
PROFILI IN SCALA 1:1

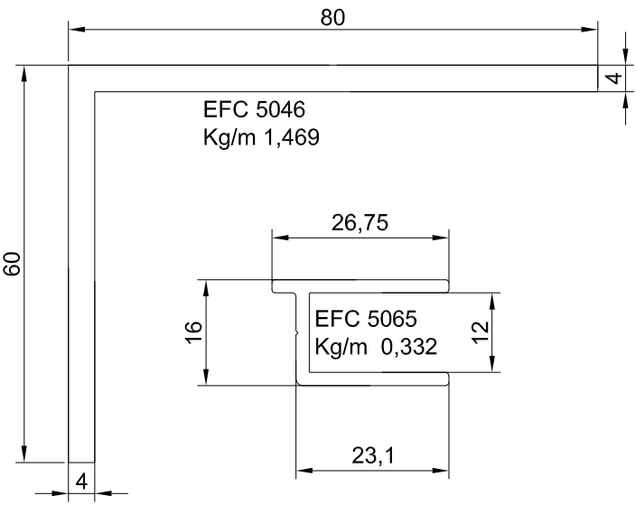


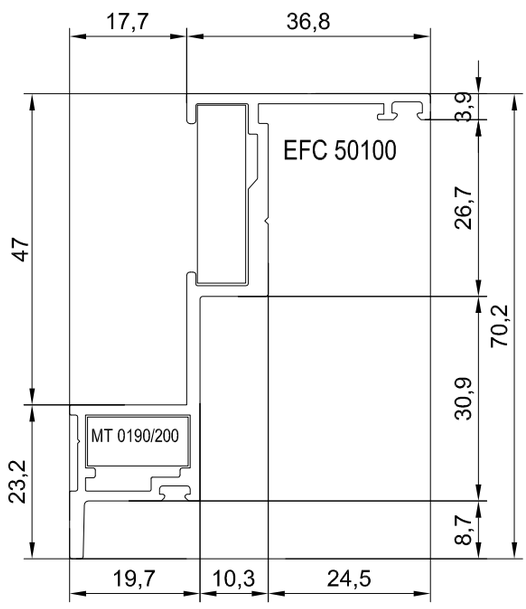
PROFILI IN SCALA 1:1

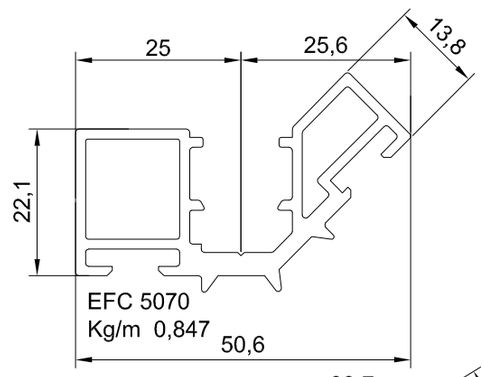


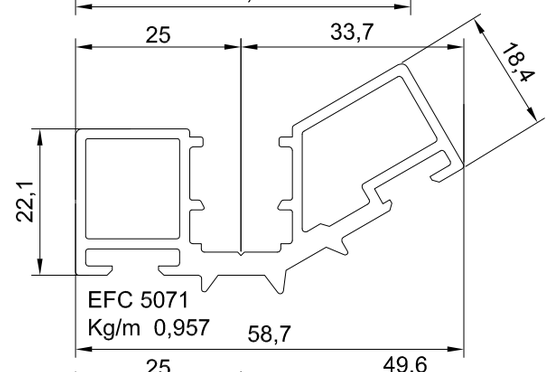
PROFILI IN SCALA 1:1

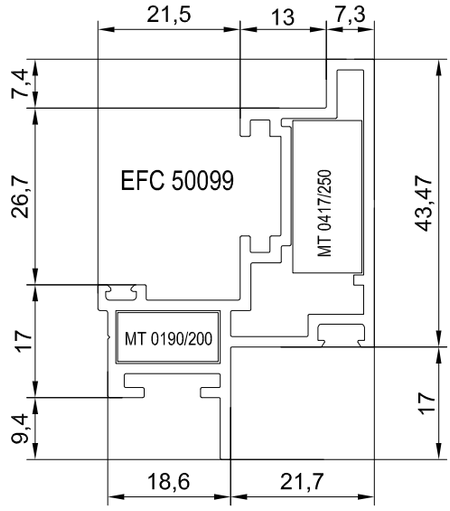


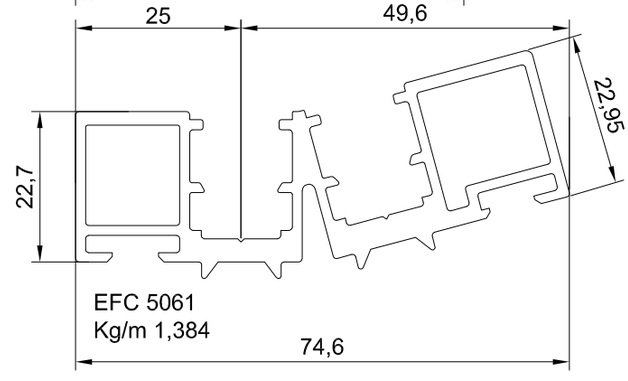




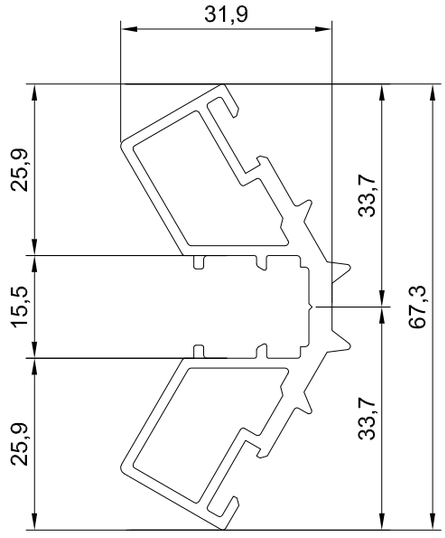




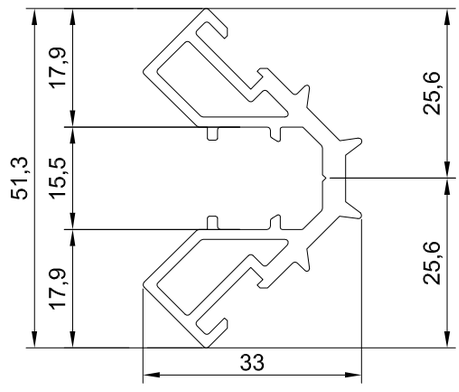




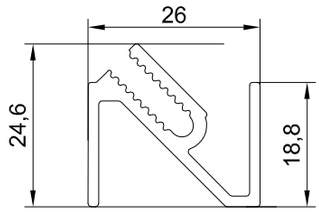
PROFILI IN SCALA 1:1



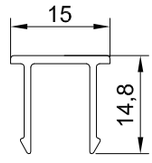
EFC 5074
Kg/m 1,061



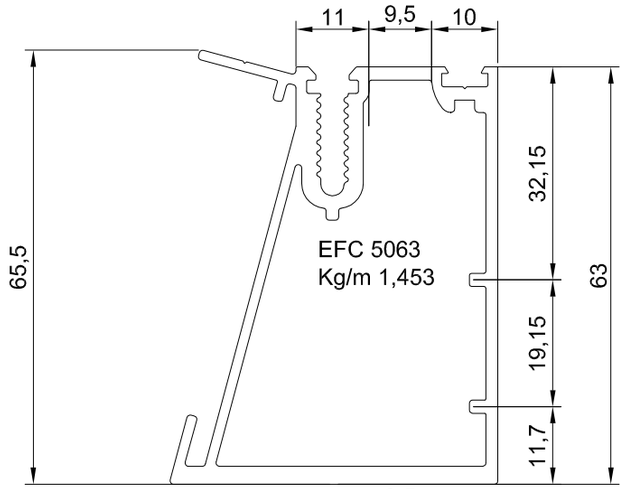
EFC 5076
Kg/m 0,840

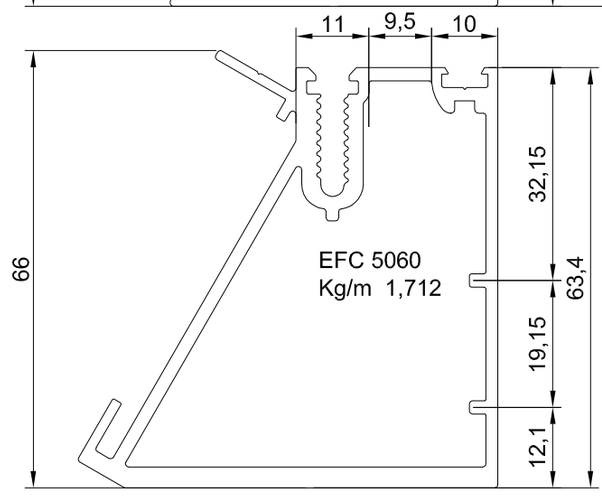


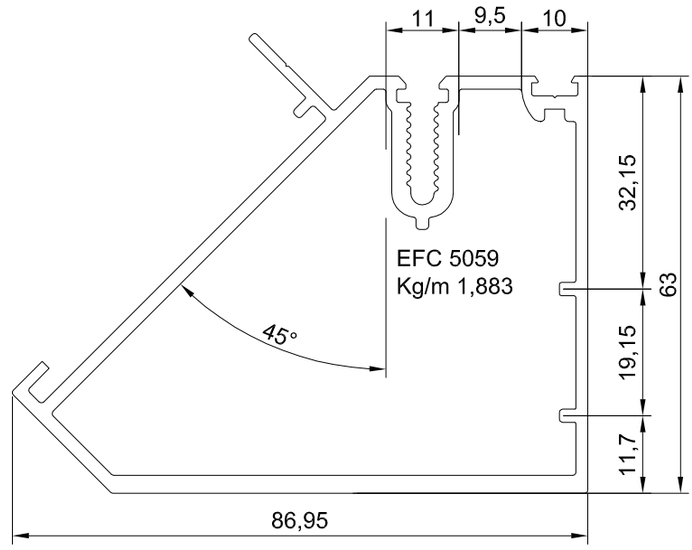
EFC 5041
Kg/m 0,435



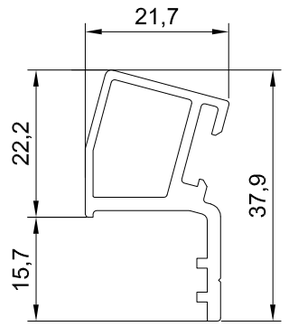
EFC 5062
Kg/m 0,126



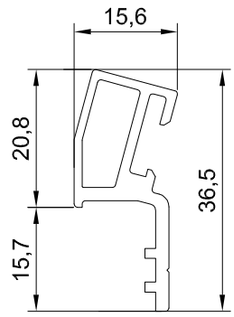




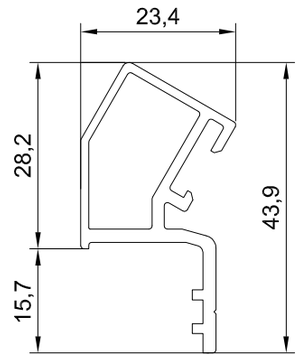
PROFILI IN SCALA 1:1



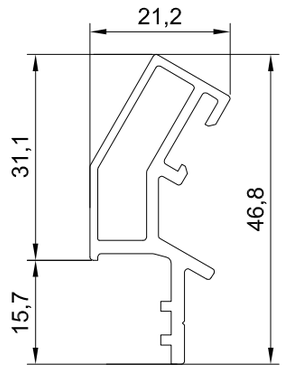
EFC 5037
Kg/m 0,437



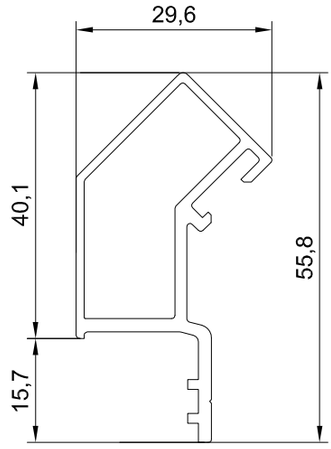
EFC 5039
Kg/m 0,379



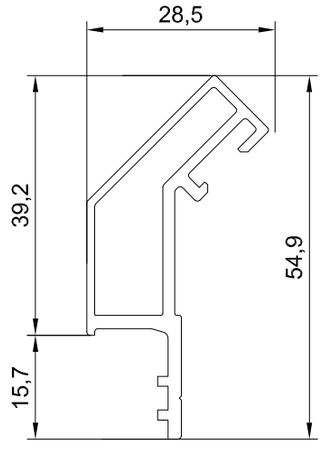
EFC 5052
Kg/m 0,479



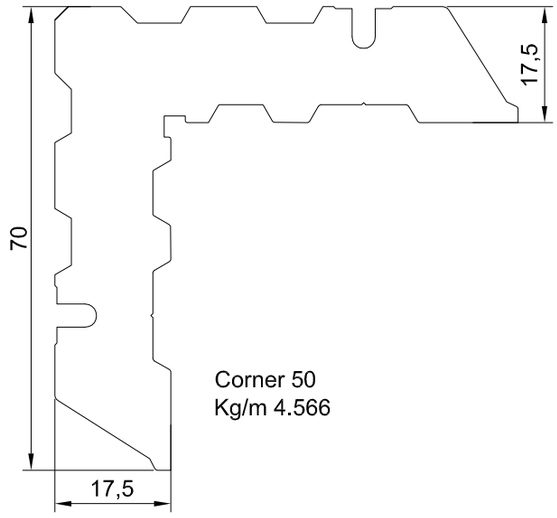
EFC 5053
Kg/m 0,492



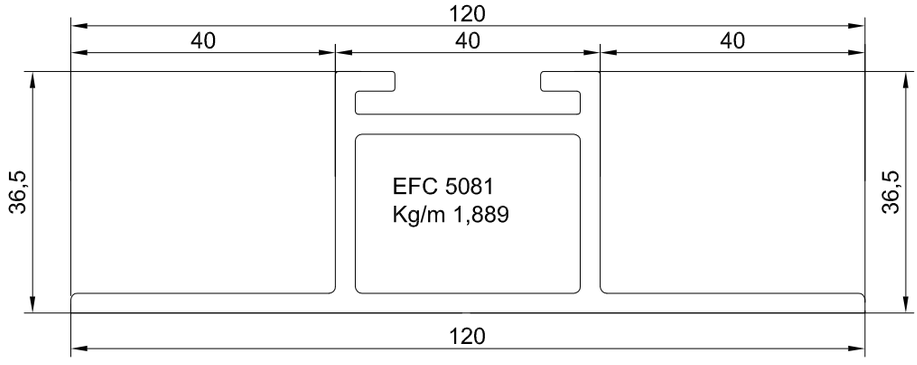
EFC 5057
Kg/m 0,589

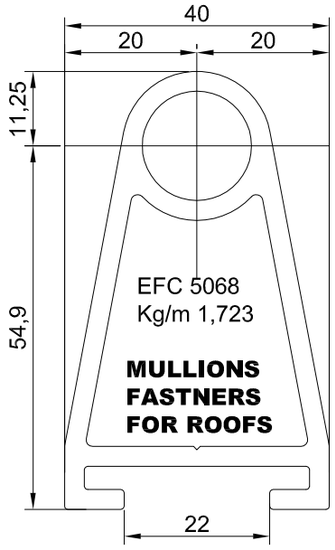


EFC 5058
Kg/m 0,563

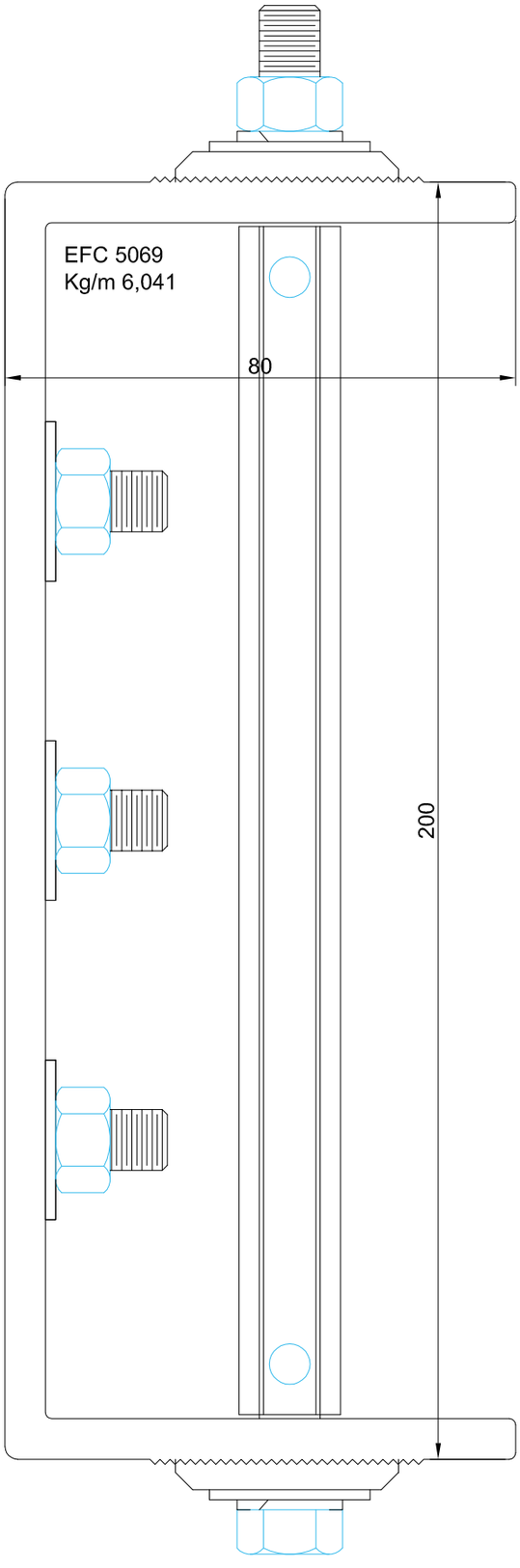


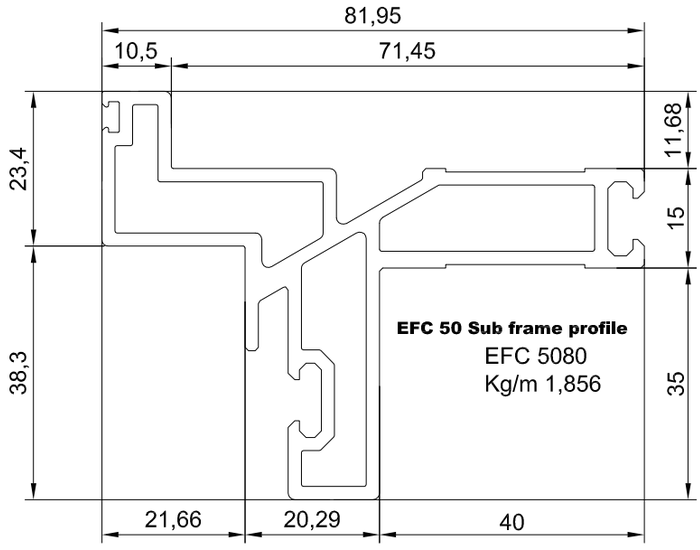
Corner 50
Kg/m 4.566



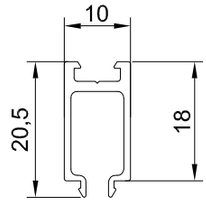


PROFILI IN SCALA 1:1

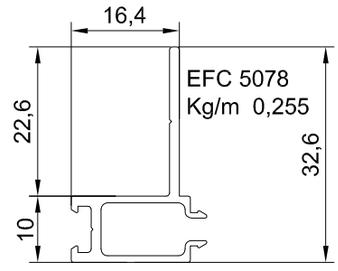




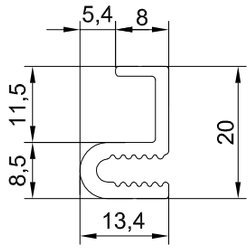
SINGLE GLASS ADAPTER



EFC 5040
Kg/m 0,164



SINGLE GLASS ADAPTER



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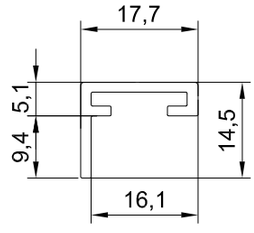
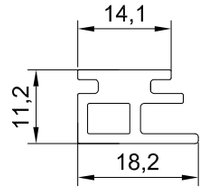
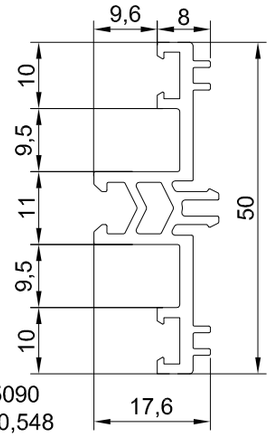
Kg/m 0,259



EFC 5086
Kg/m 0,167

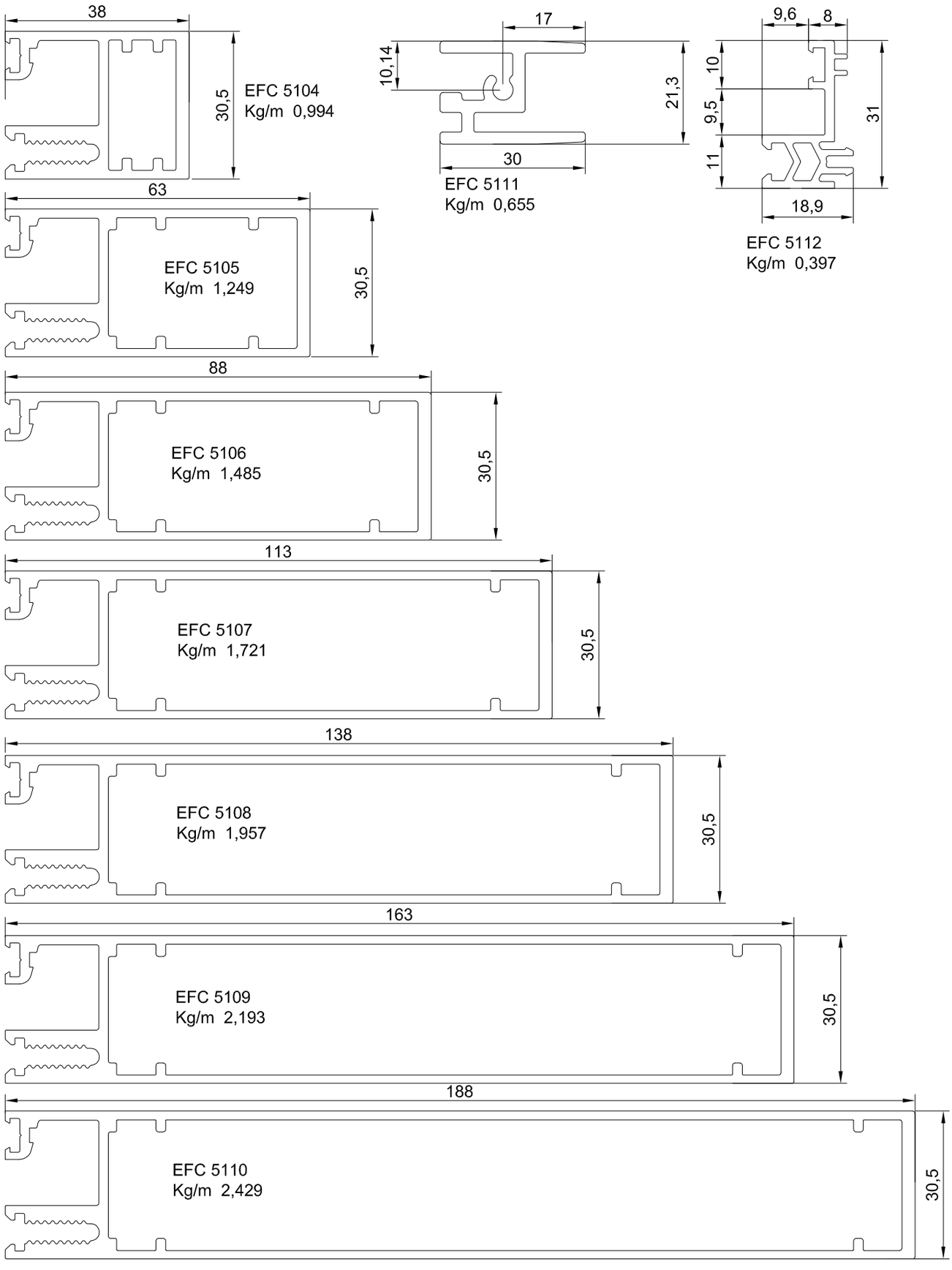


EFC 5085
Kg/m 0,279

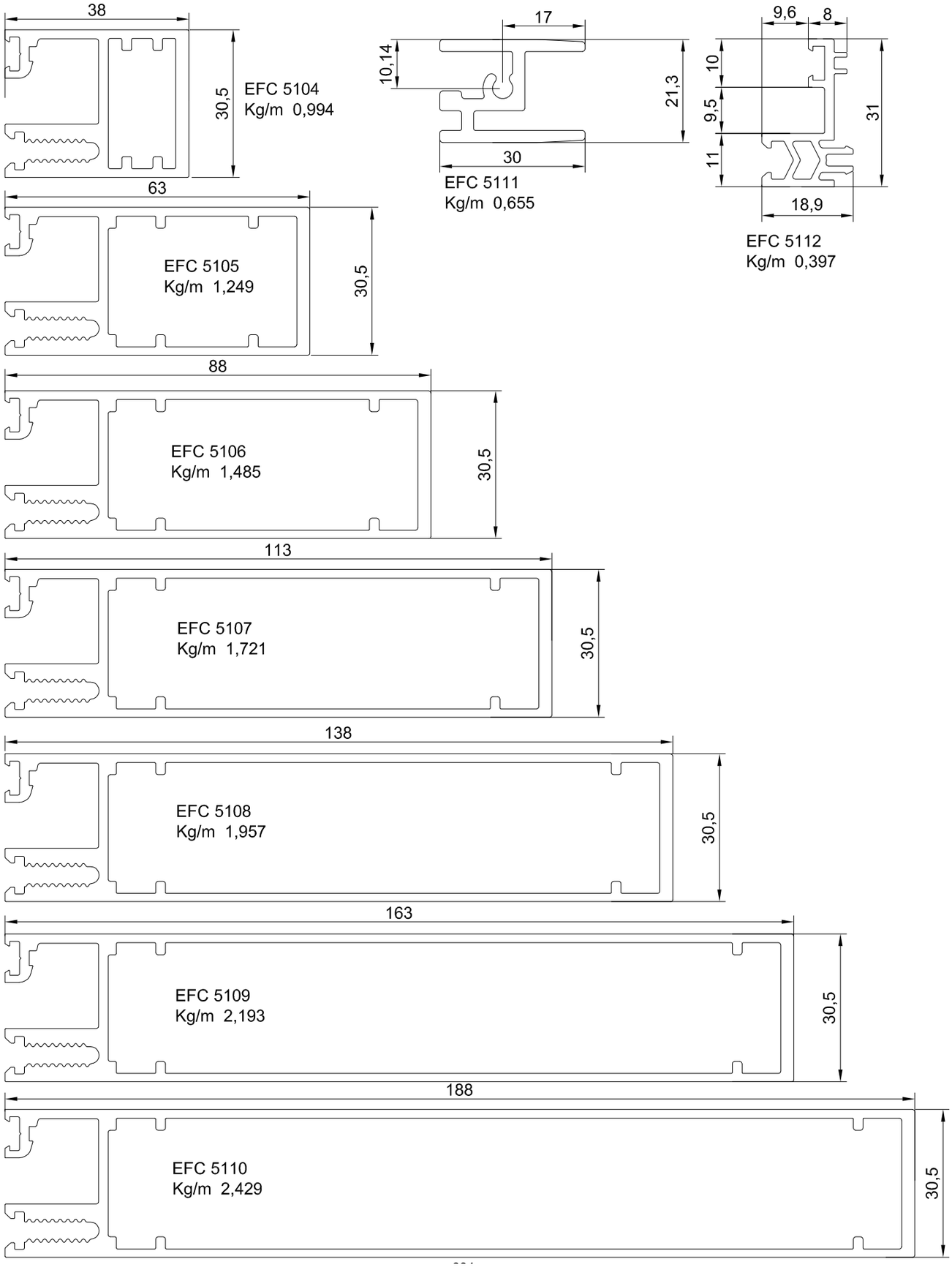


EFC 5090
Kg/m 0,548

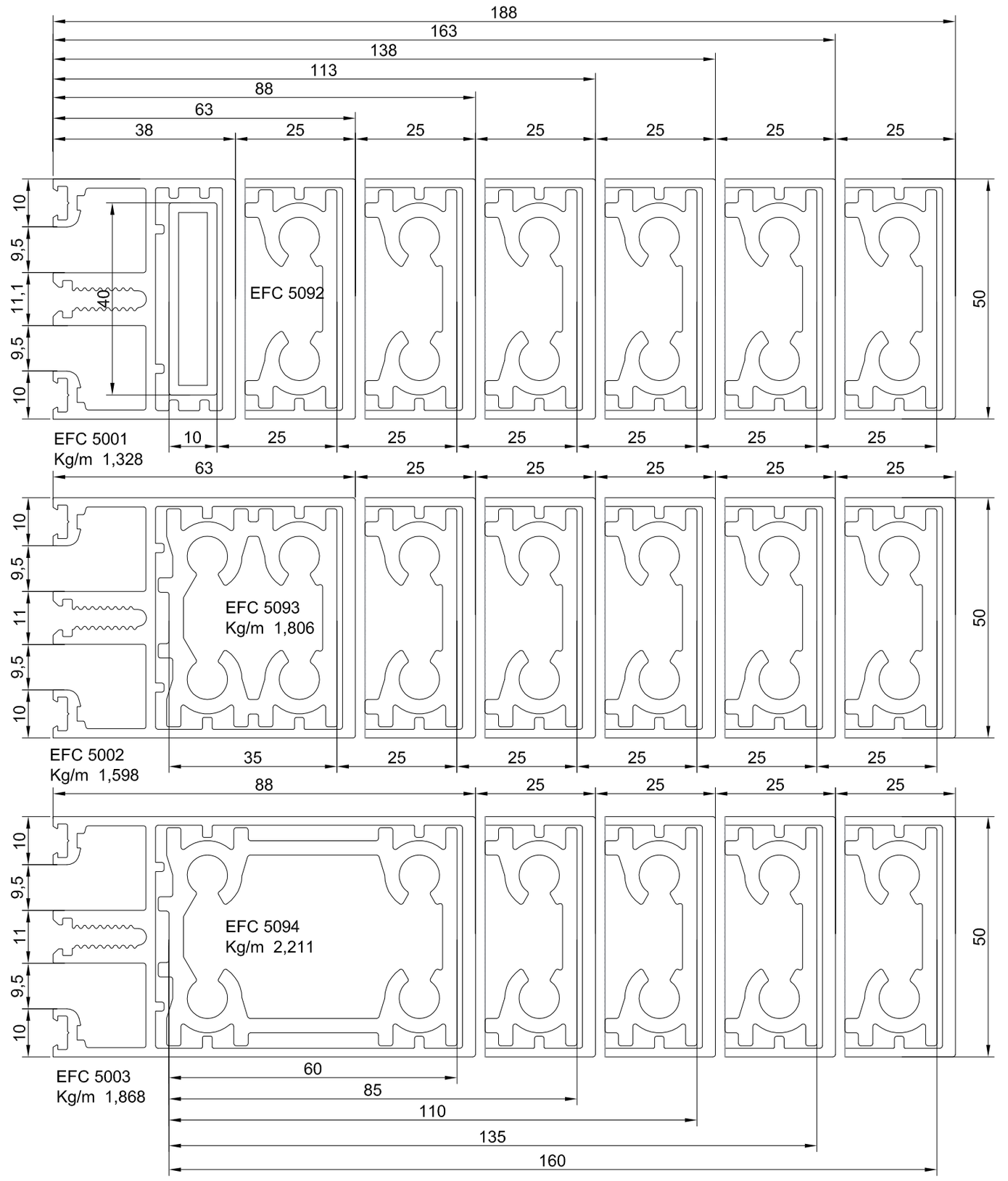
PROFILI IN SCALA 1:1



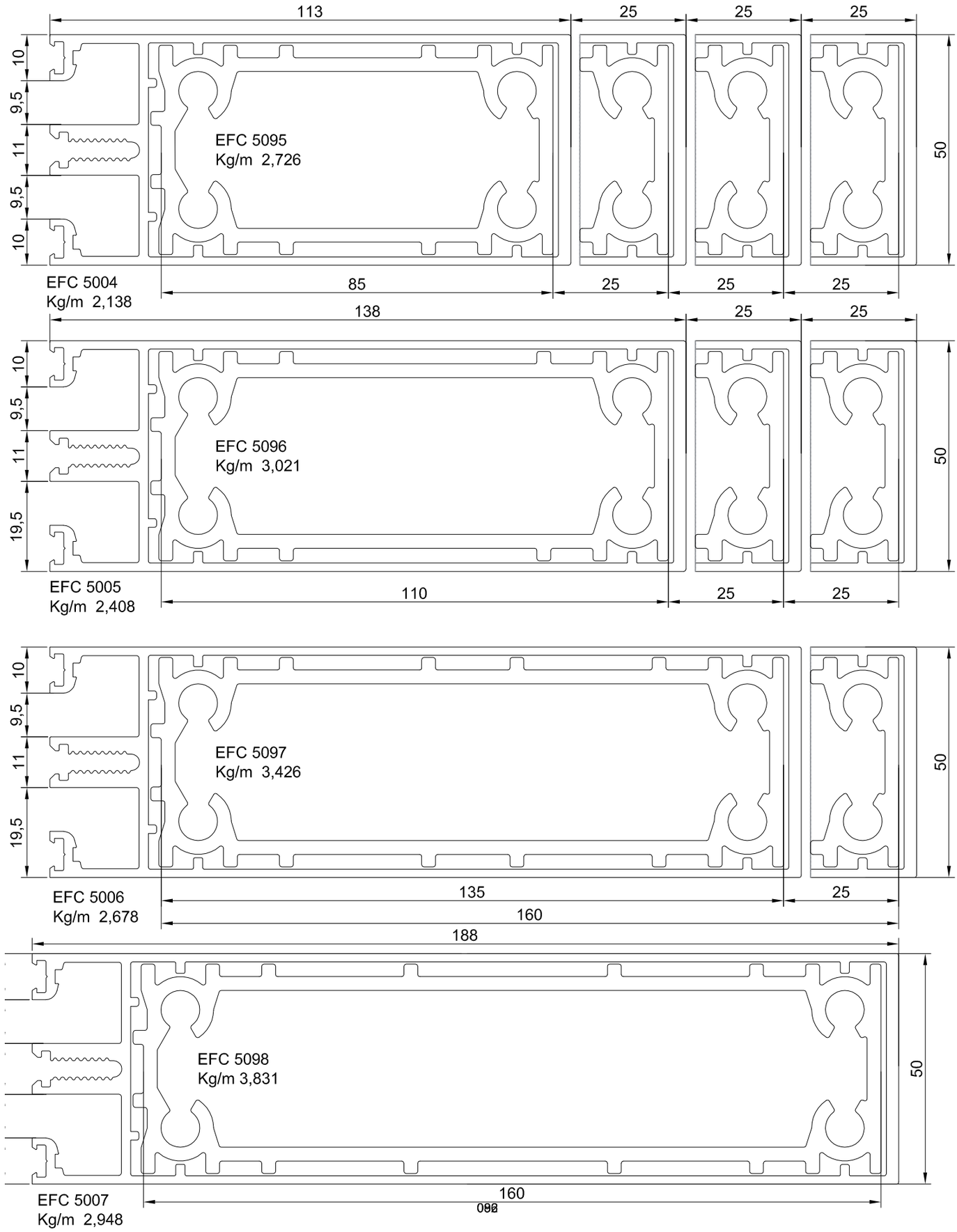
PROFILI IN SCALA 1:1



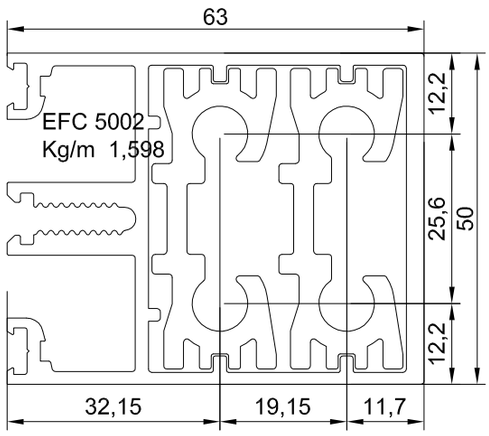
PROFILI IN SCALA 1:1

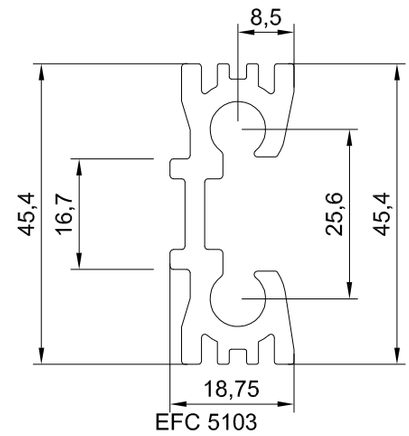


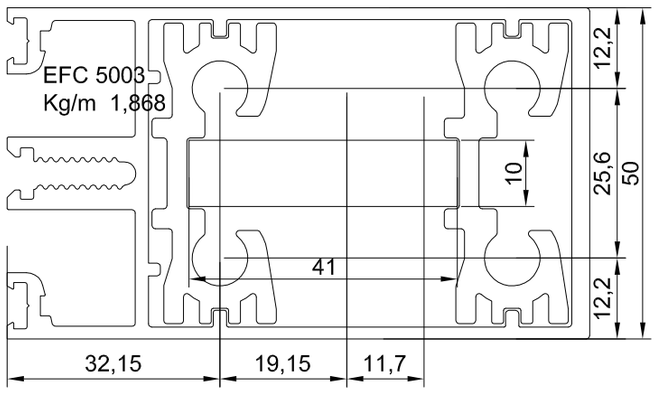
PROFILI IN SCALA 1:1

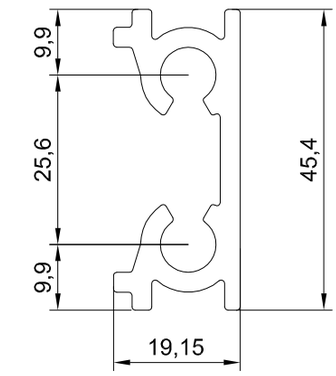


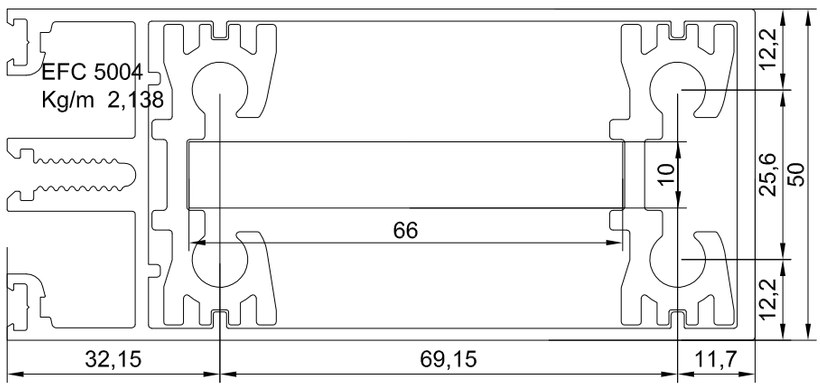
PROFILI IN SCALA 1:1

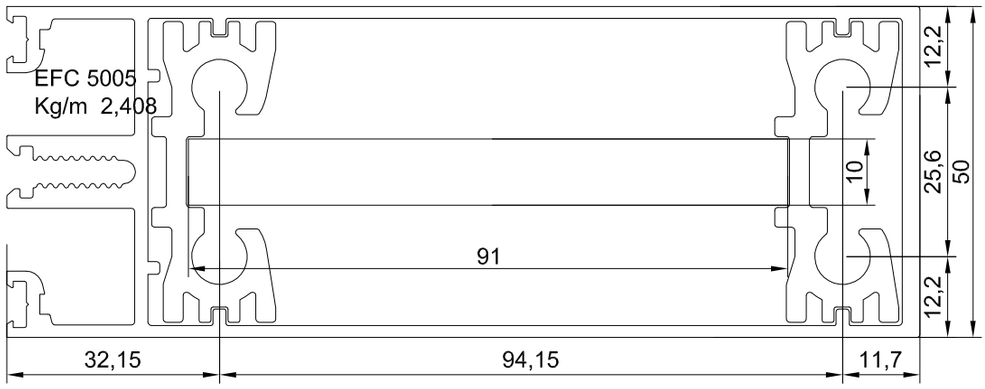




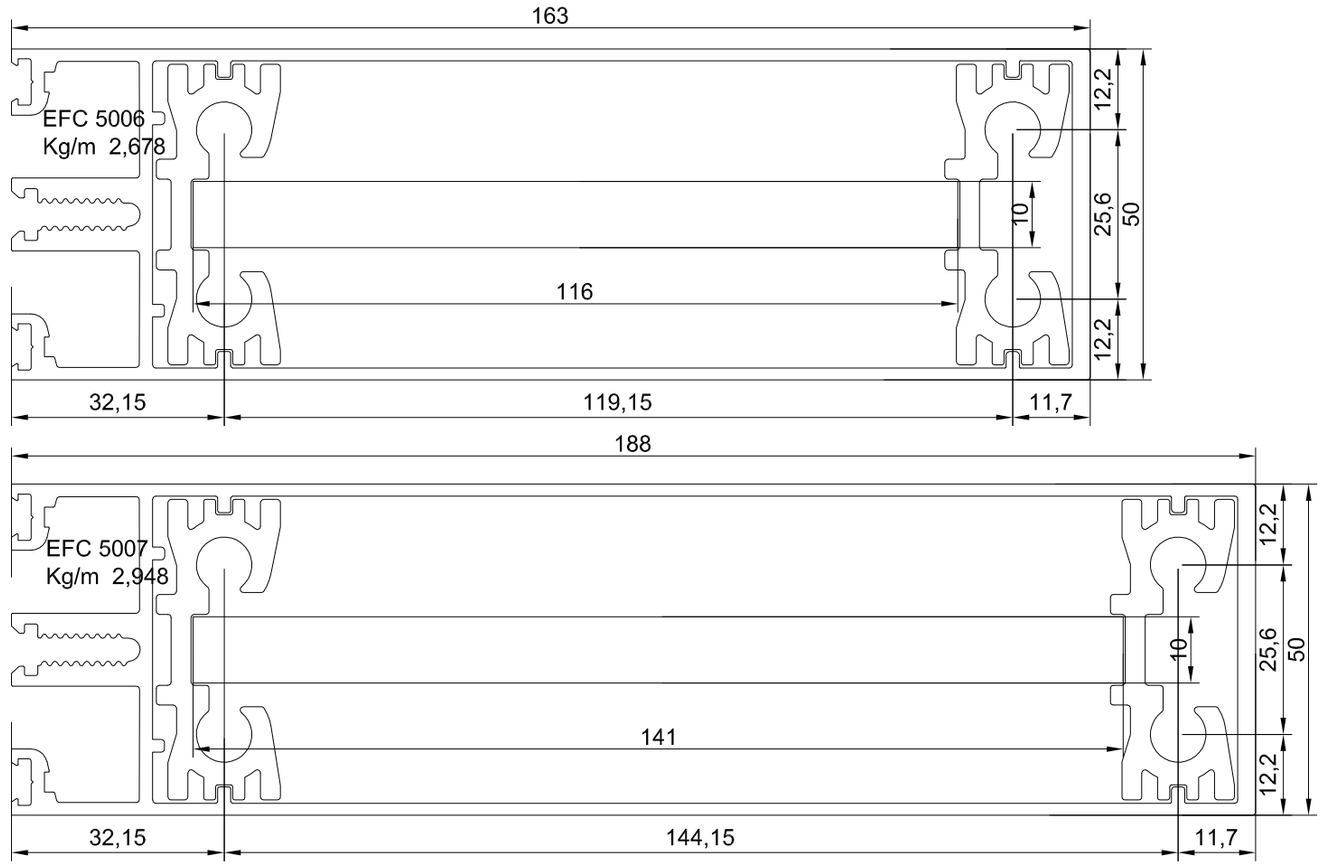


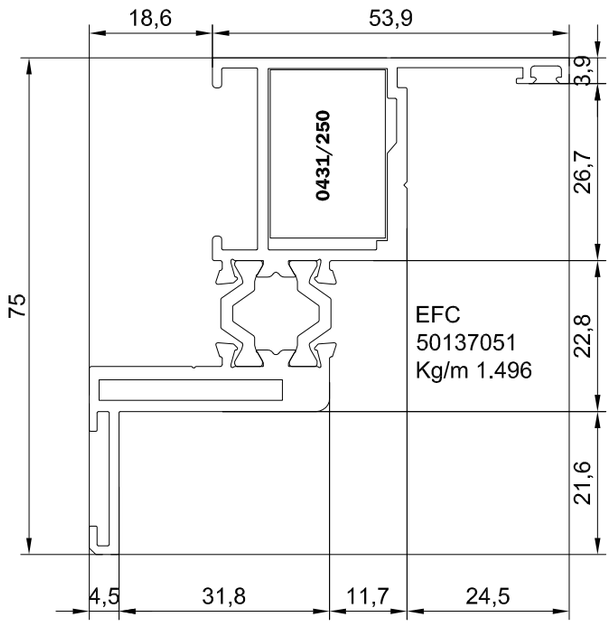


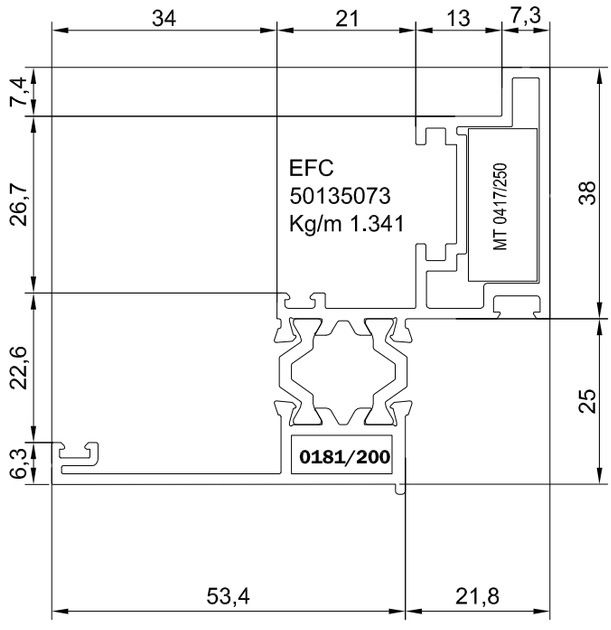




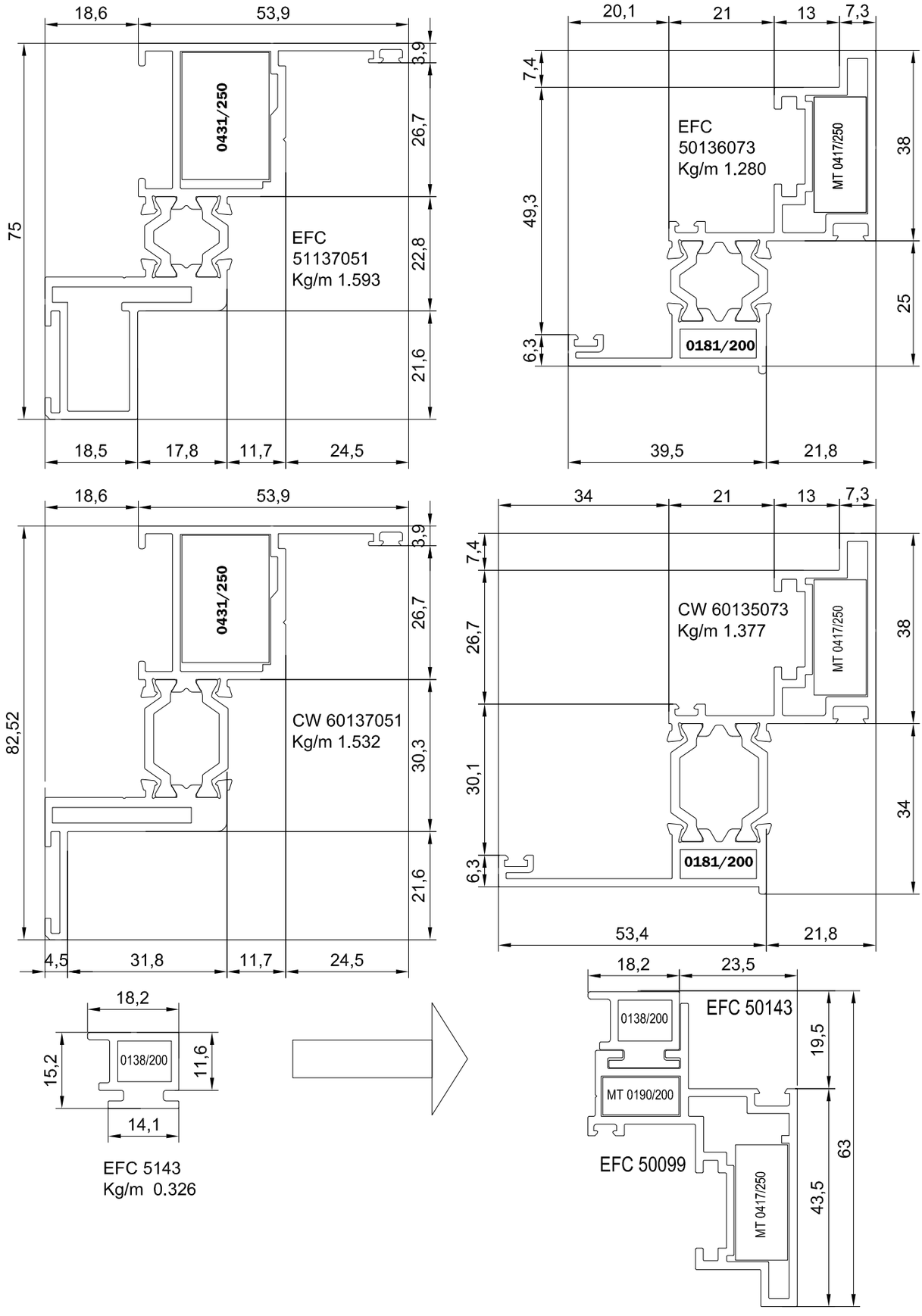
PROFILI IN SCALA 1:1



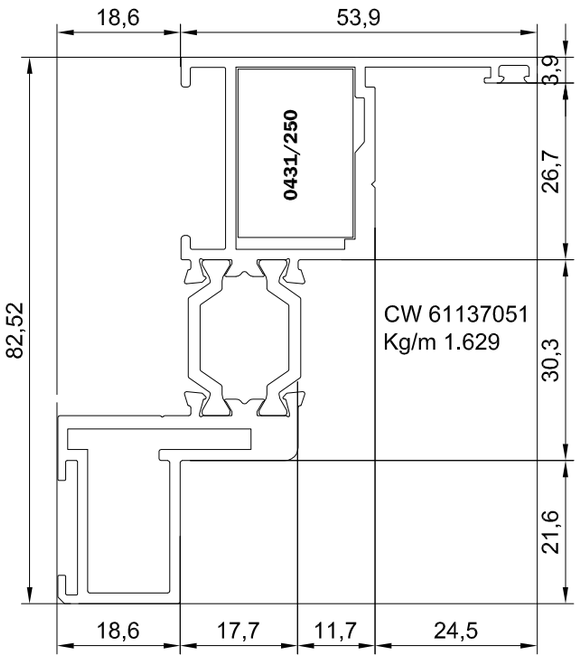


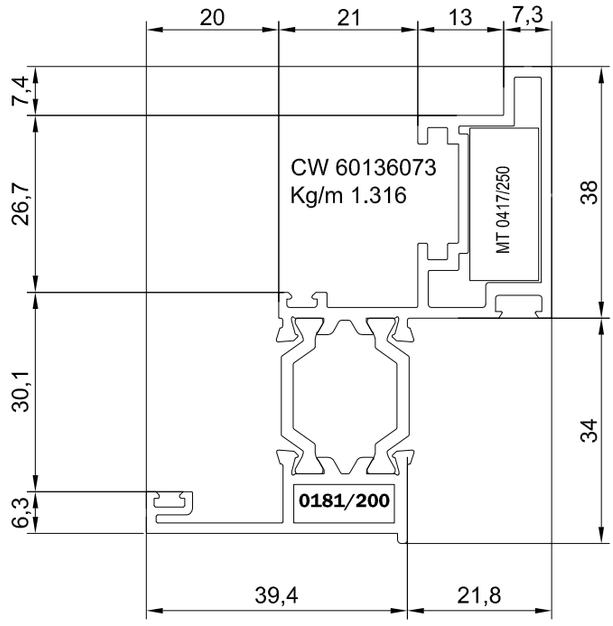


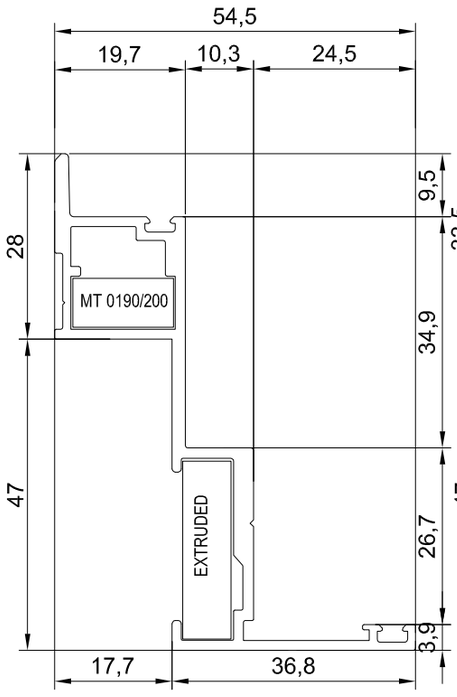
PROFILI IN SCALA 1:1



PROFILI IN SCALA 1:1







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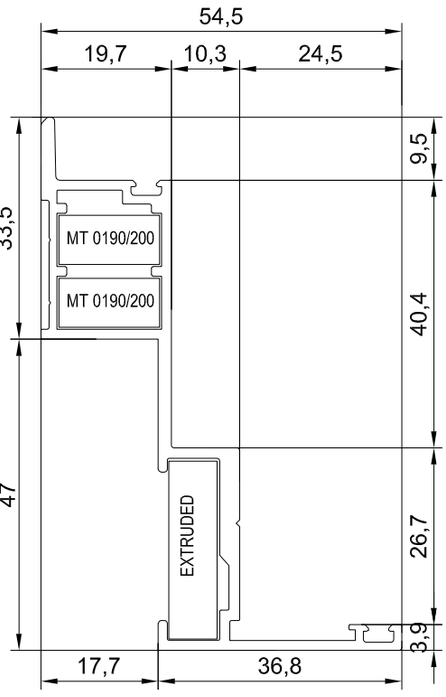

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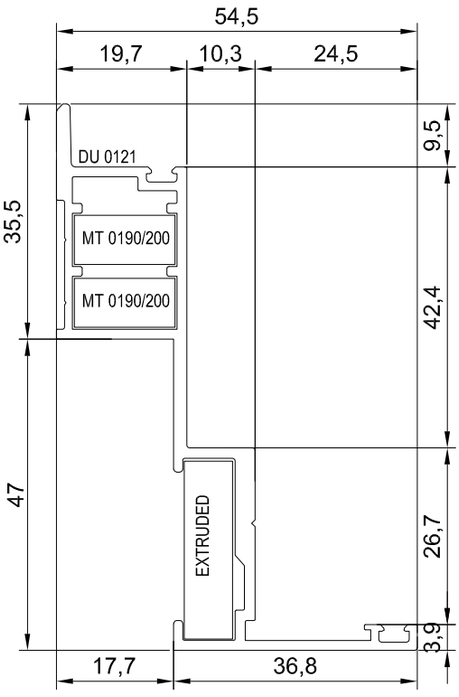

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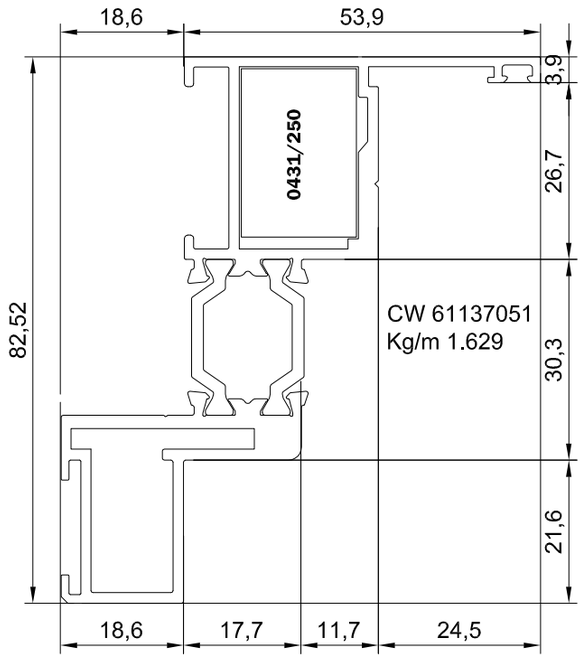
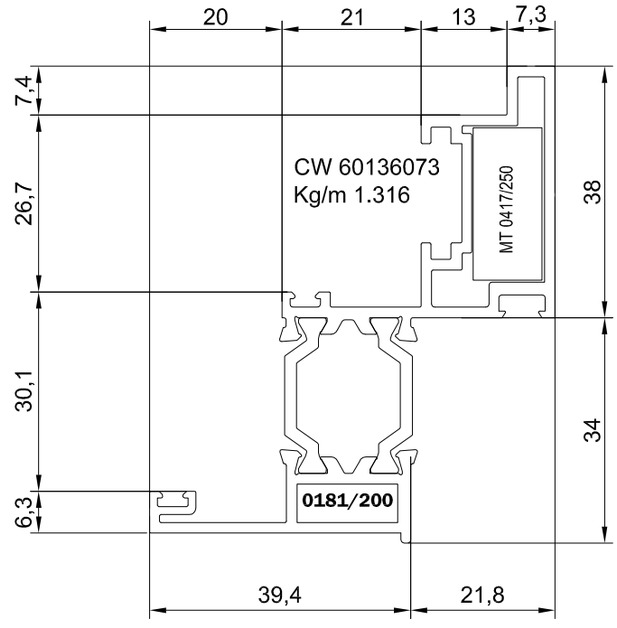
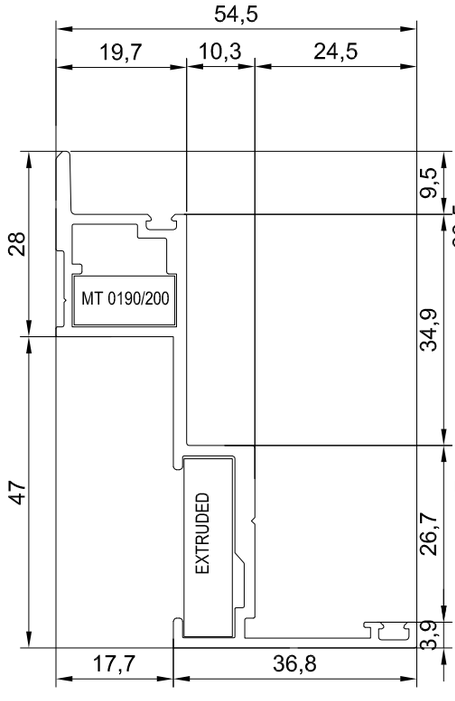
PROFILI IN SCALA 1:1







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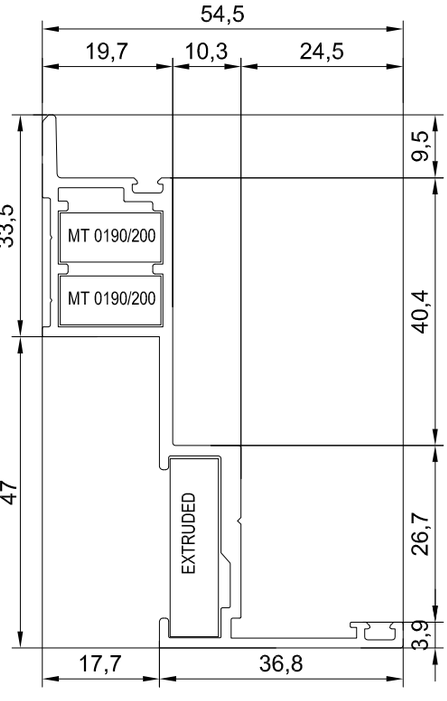

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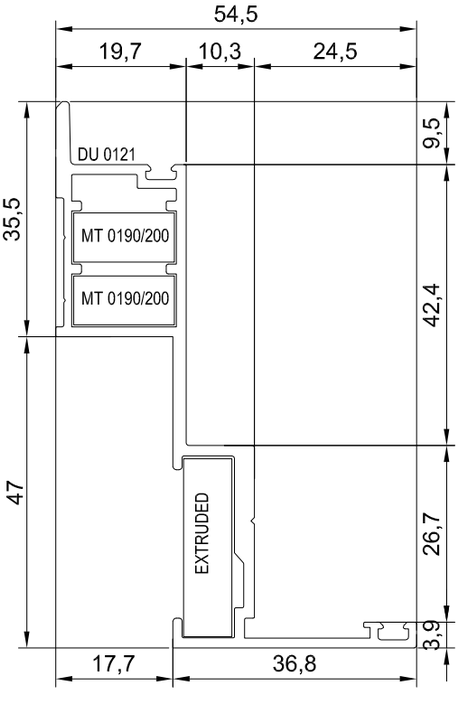

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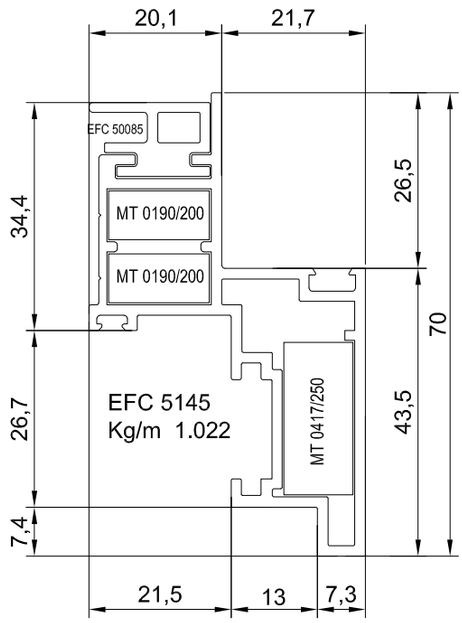
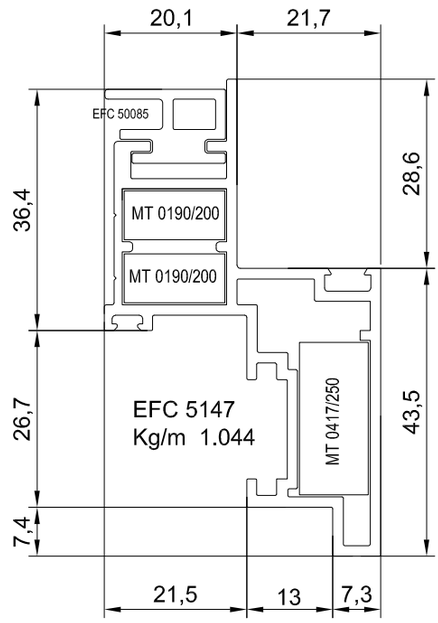
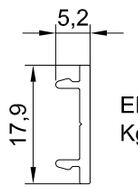
PROFILI IN SCALA 1:1







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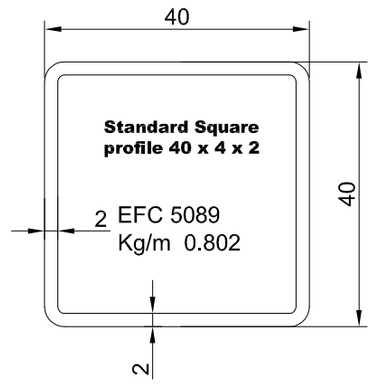

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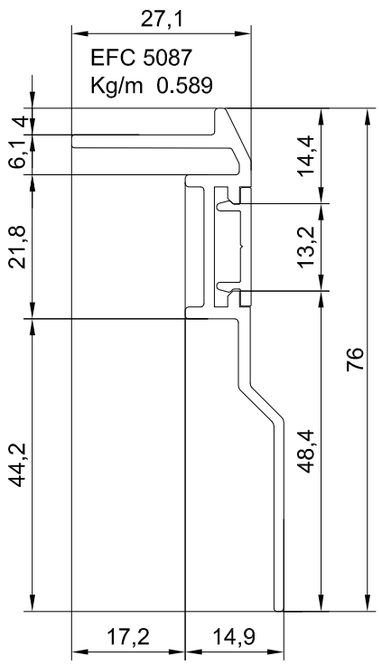
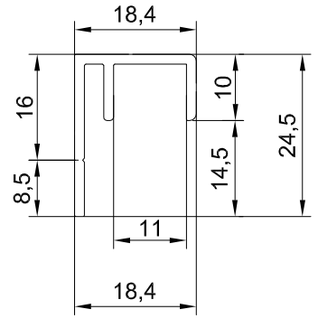
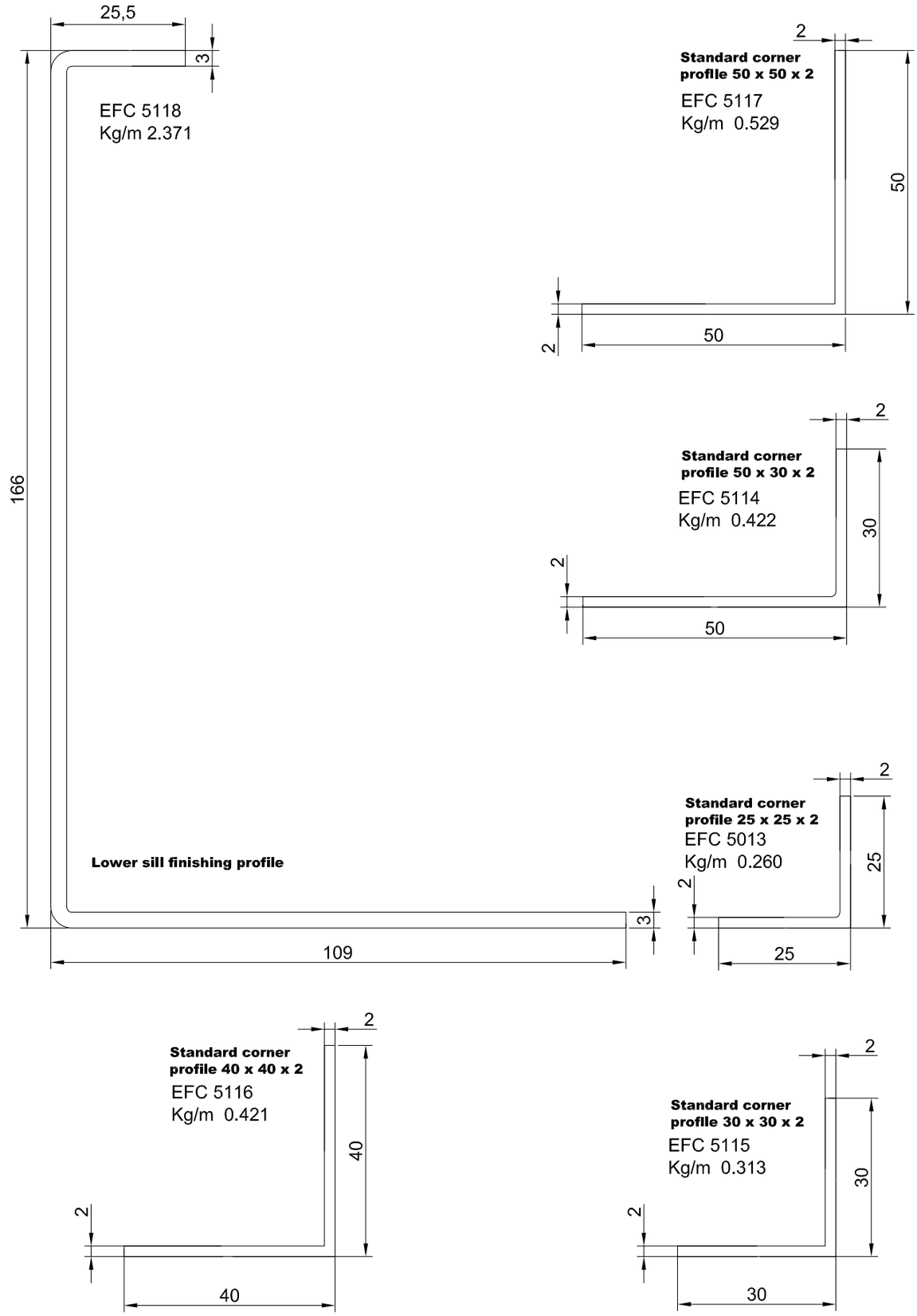


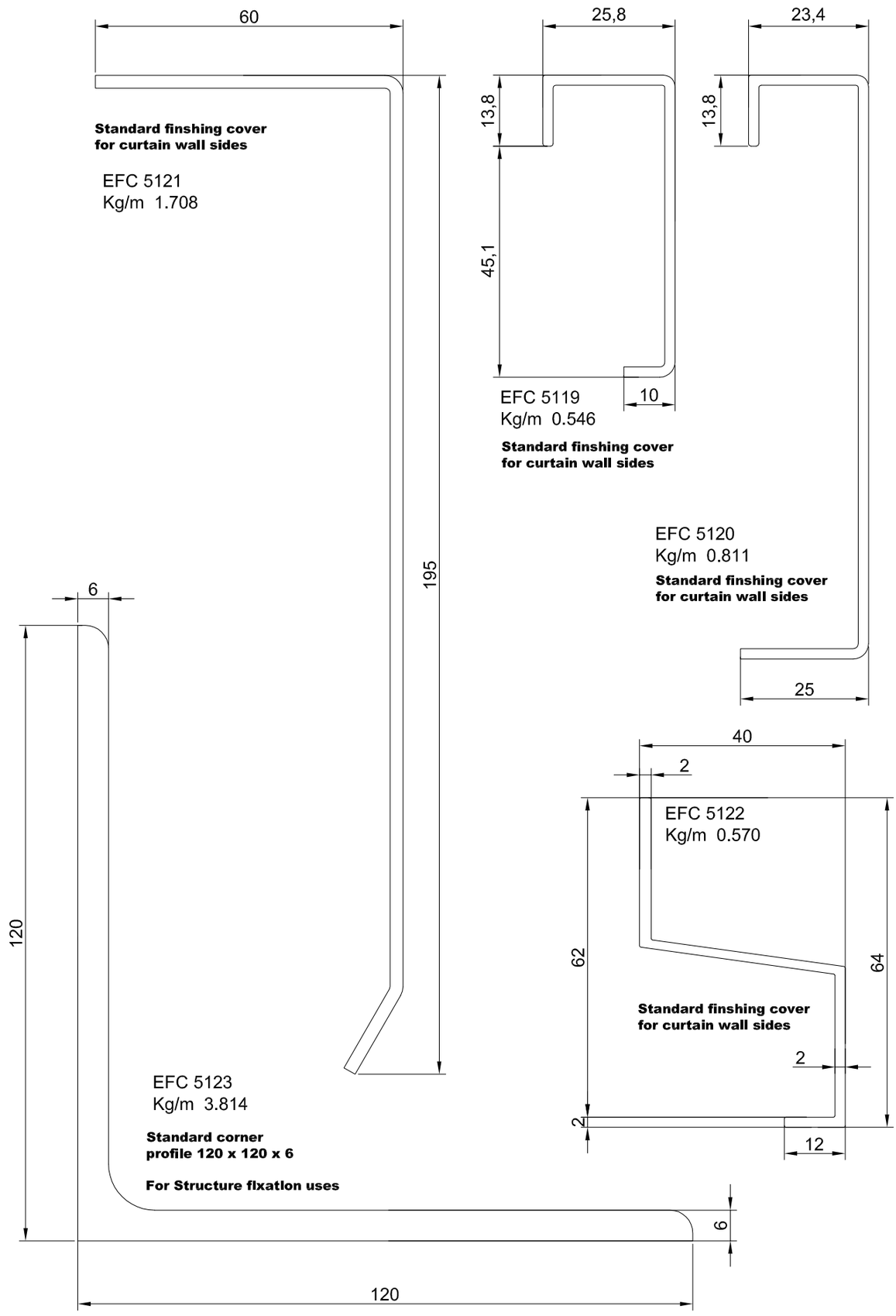


Plastering finishing Profile
EFC 5101
Kg/m 0,235

PROFILI IN SCALA 1:1



PROFILI IN SCALA 1:1



PROFILI IN SCALA 1:1

	CURTAIN WALL 50 Aluminium profiles system for curtain walls Serie battante en aluminium pour murs rideaux Sistema in alluminio per facciate continue	CATALOGUE EDITION EDITON CATALOGUE EDIZIONE CATALOGO	FICHE FICHE SCHEDA	RELEASE REVISION REVISIONE DATE DATE DATA	NUMBER NUMERO NUMERO
		00	IG14	27/09/2014	00

MODELS SECTIONS :
(FICHES NS)

FICHES NS: vertical and horizontal sections in scale 1:1 of all combinations among the profiles, with hardware and accesories codes , gaskets and others useful information.

COUPES PRINCIPALES:
(FICHES NS)

FICHES NS: coupes verticales et horizontale a l'echelle 1:1 evec toutes les combinaisons entres les profils, avec les codes des accessoires, les joints et toutes autres informations utiles.

NODI TIPO :
(SCHEDE NS)

SCHEDE NS: sezioni verticali ed orizzontali in scala 1:1 di tutte le combinazioni tra i profili, con codici accessori, guarnizioni e altri dati utili.

TP PROFILATI

EKOS Curtain Wall 50

ALUMINIUM COLLECTION

TERMAL BREAK COLLECTIONS

TP PROFILATI

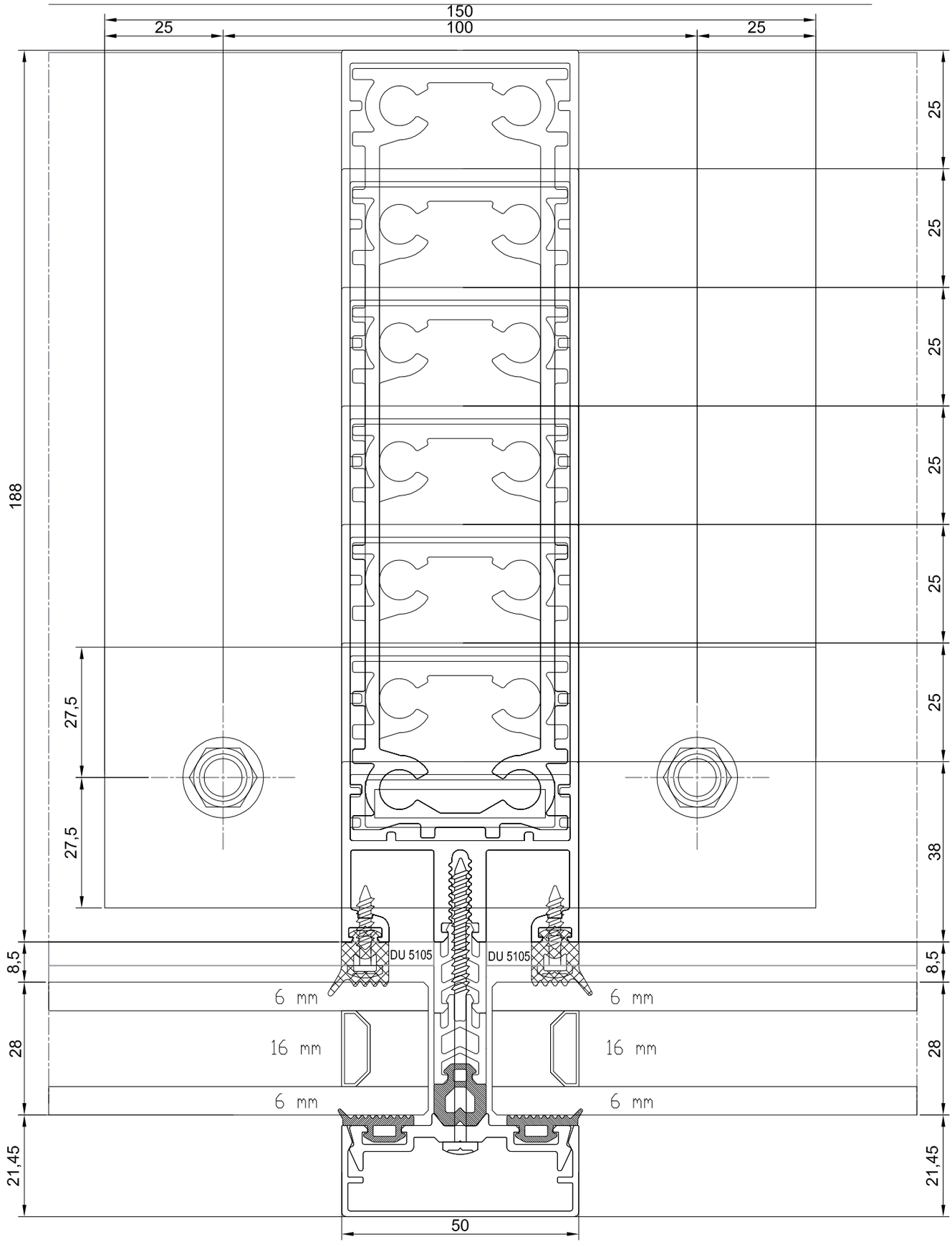
SEZIONI IN SCALA 1:1

SECTIONS AT THE SCALE 1:1

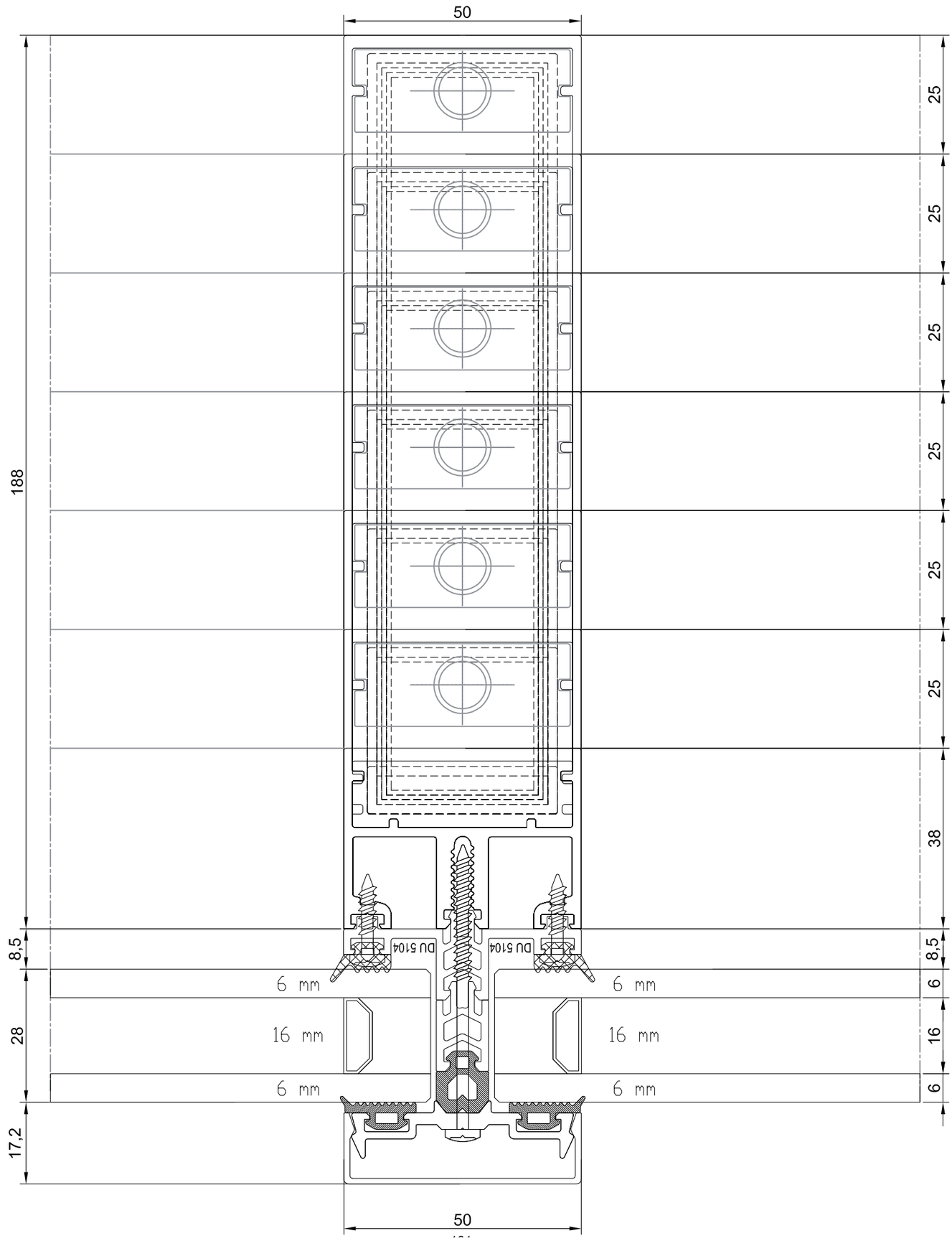
COUPES À L'ECHÈLLE 1:1

EKOS
ALUMINIUM COLLECTION

SEZIONI IN SCALA 1:1



SEZIONI IN SCALA 1:1



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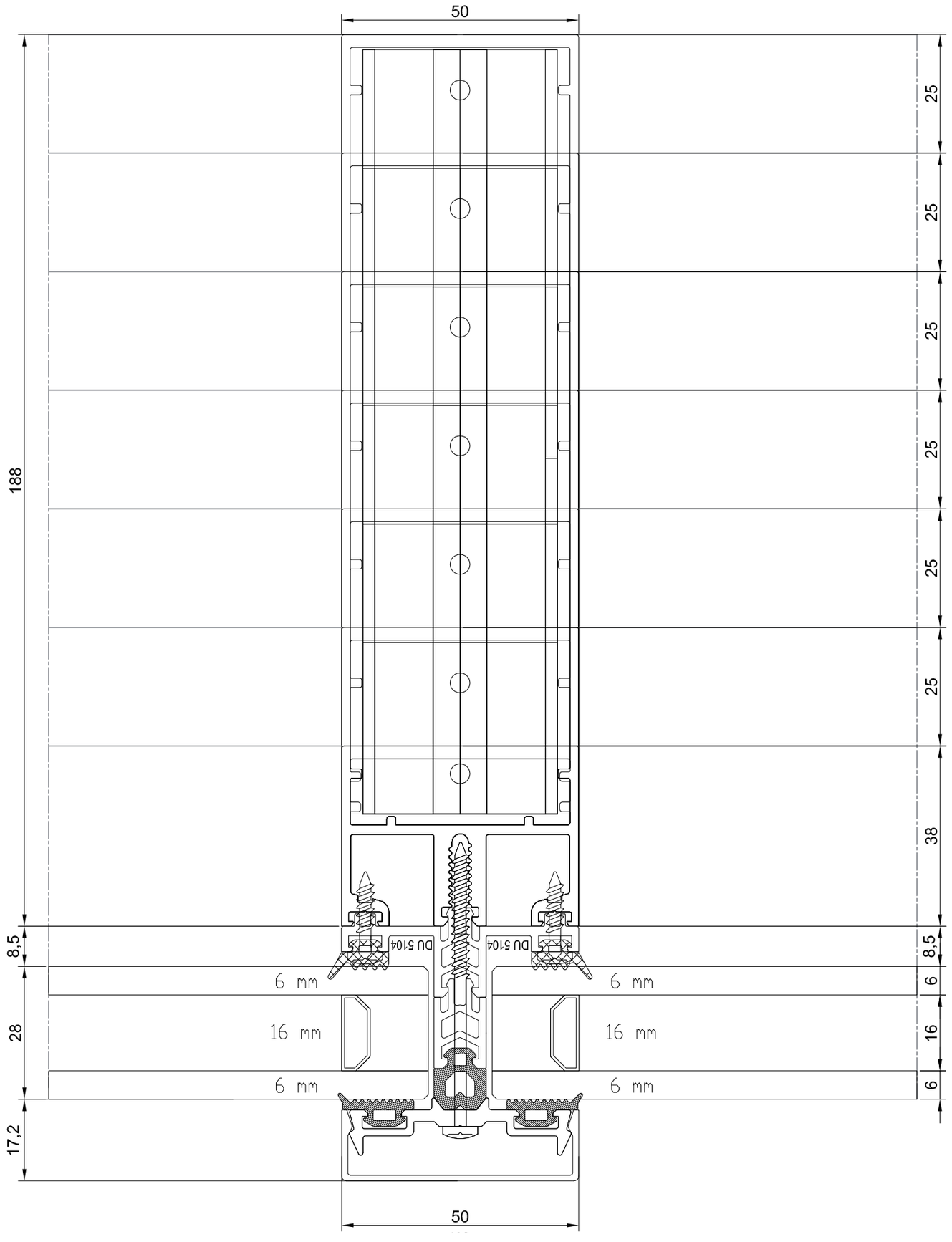

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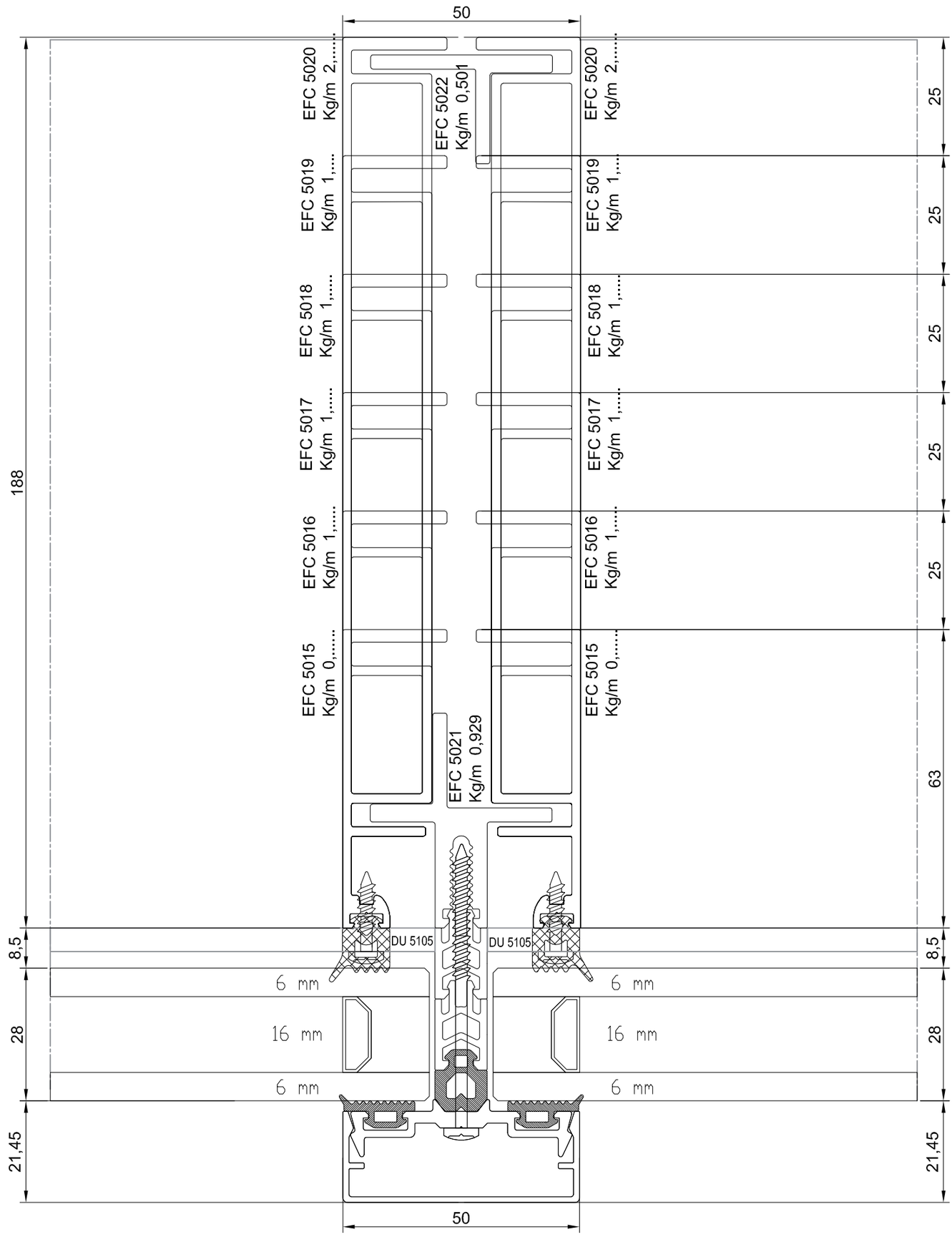

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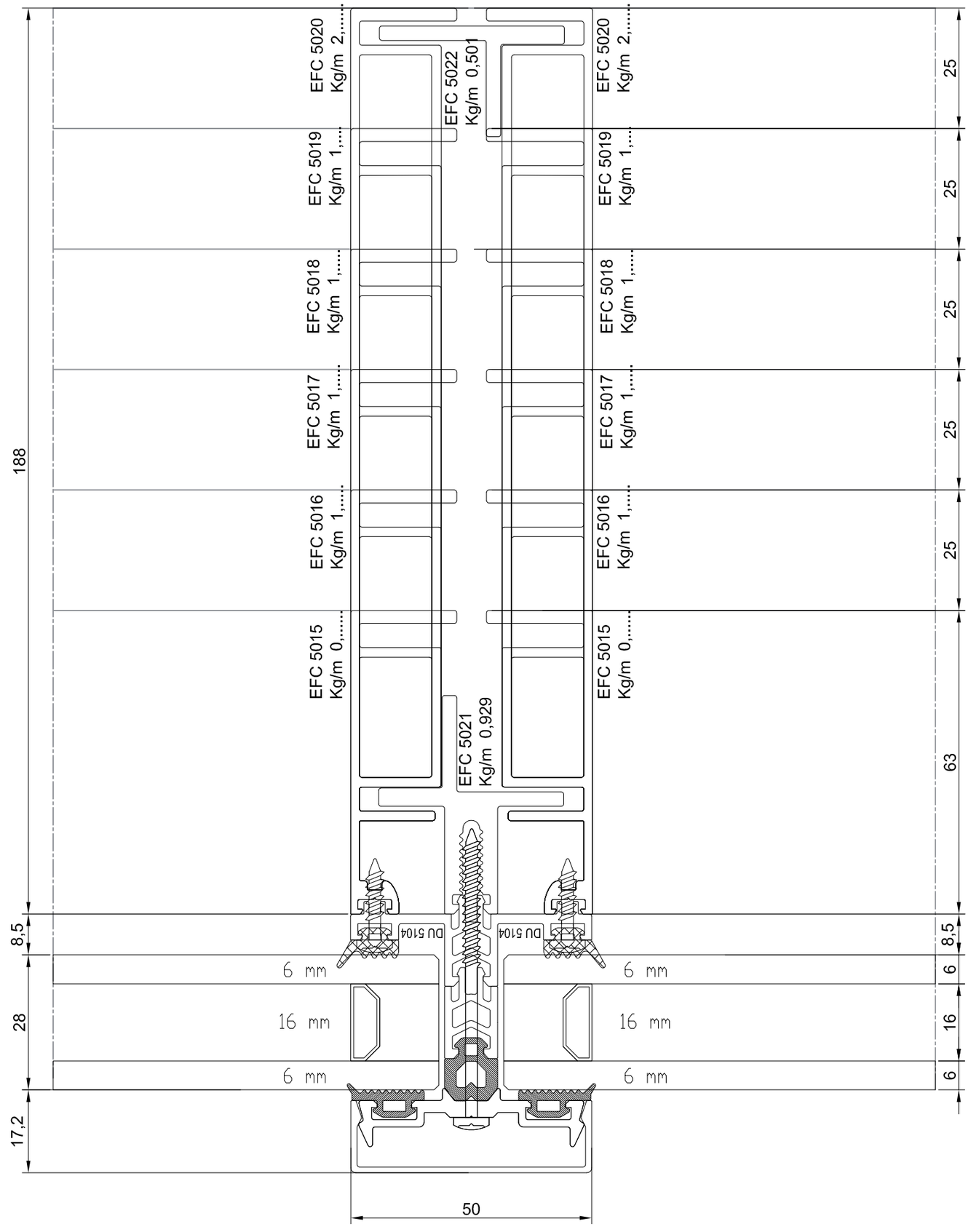

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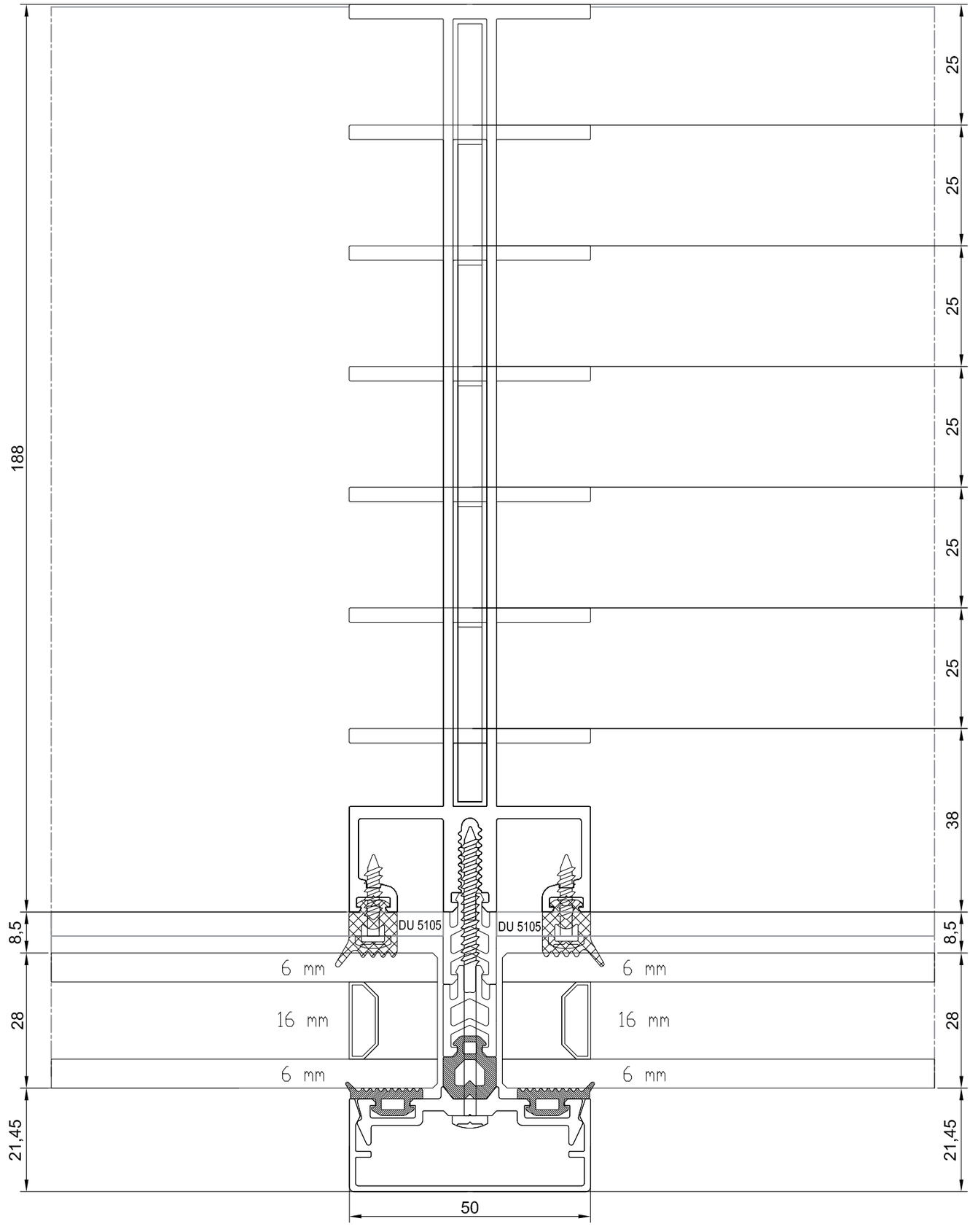

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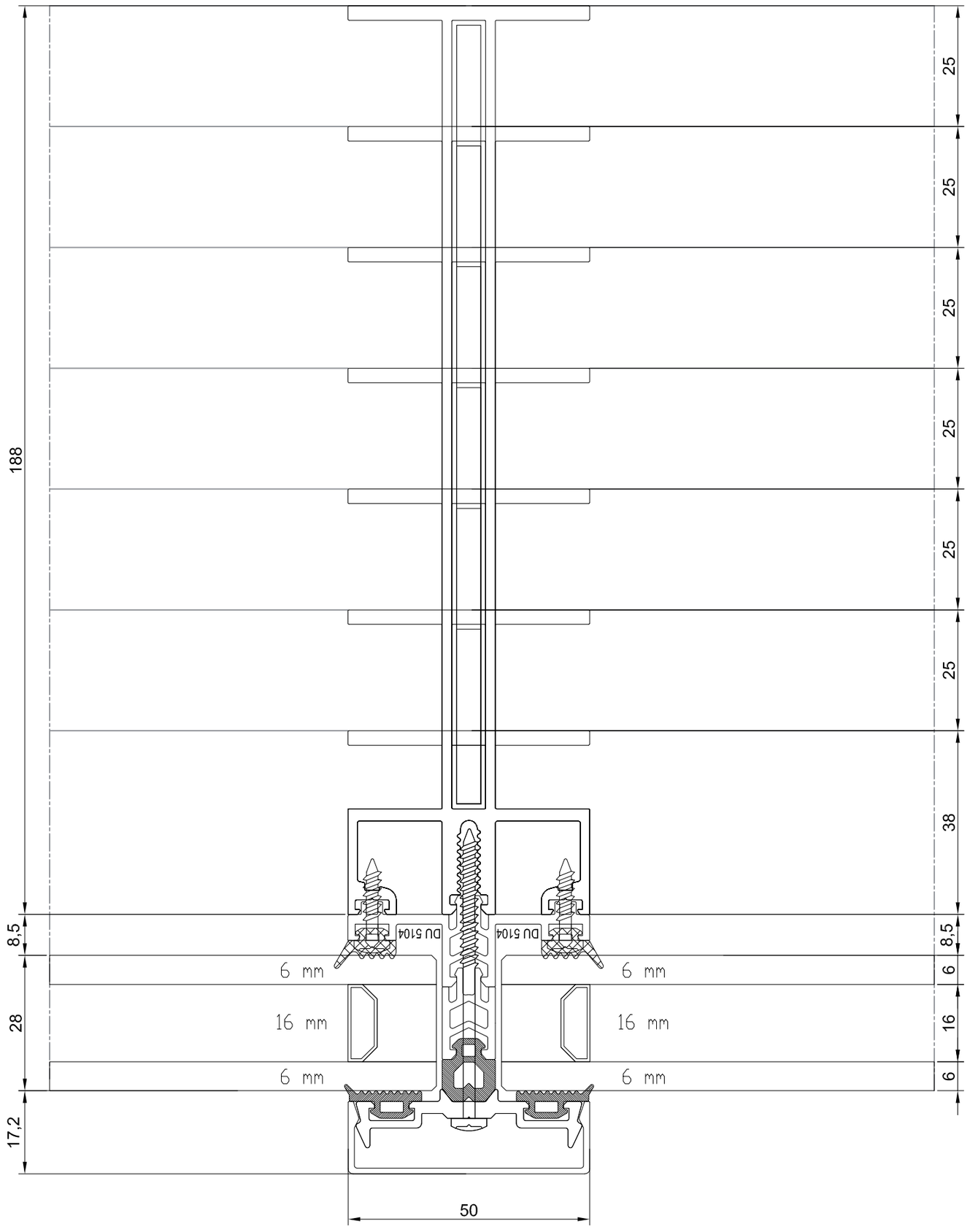

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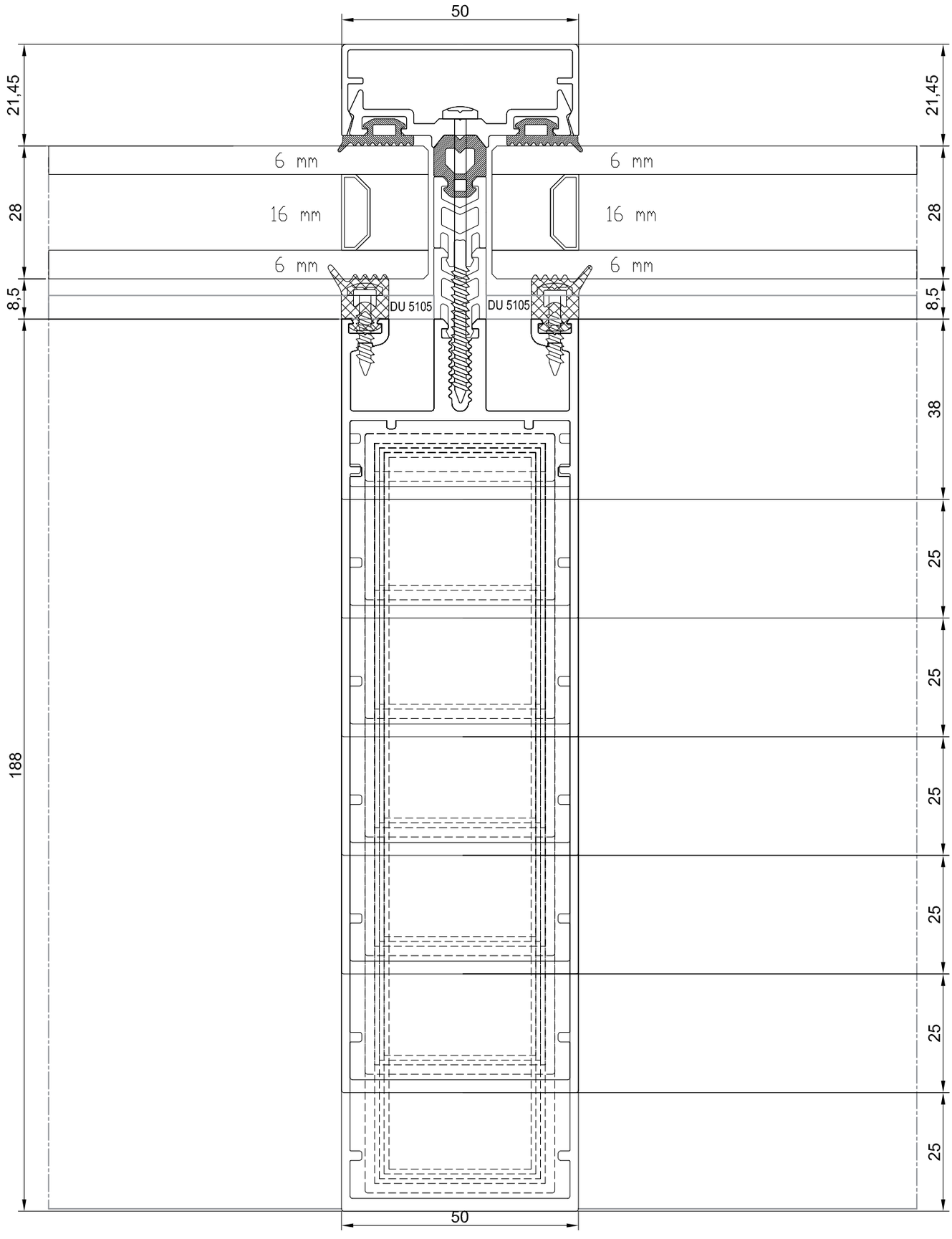
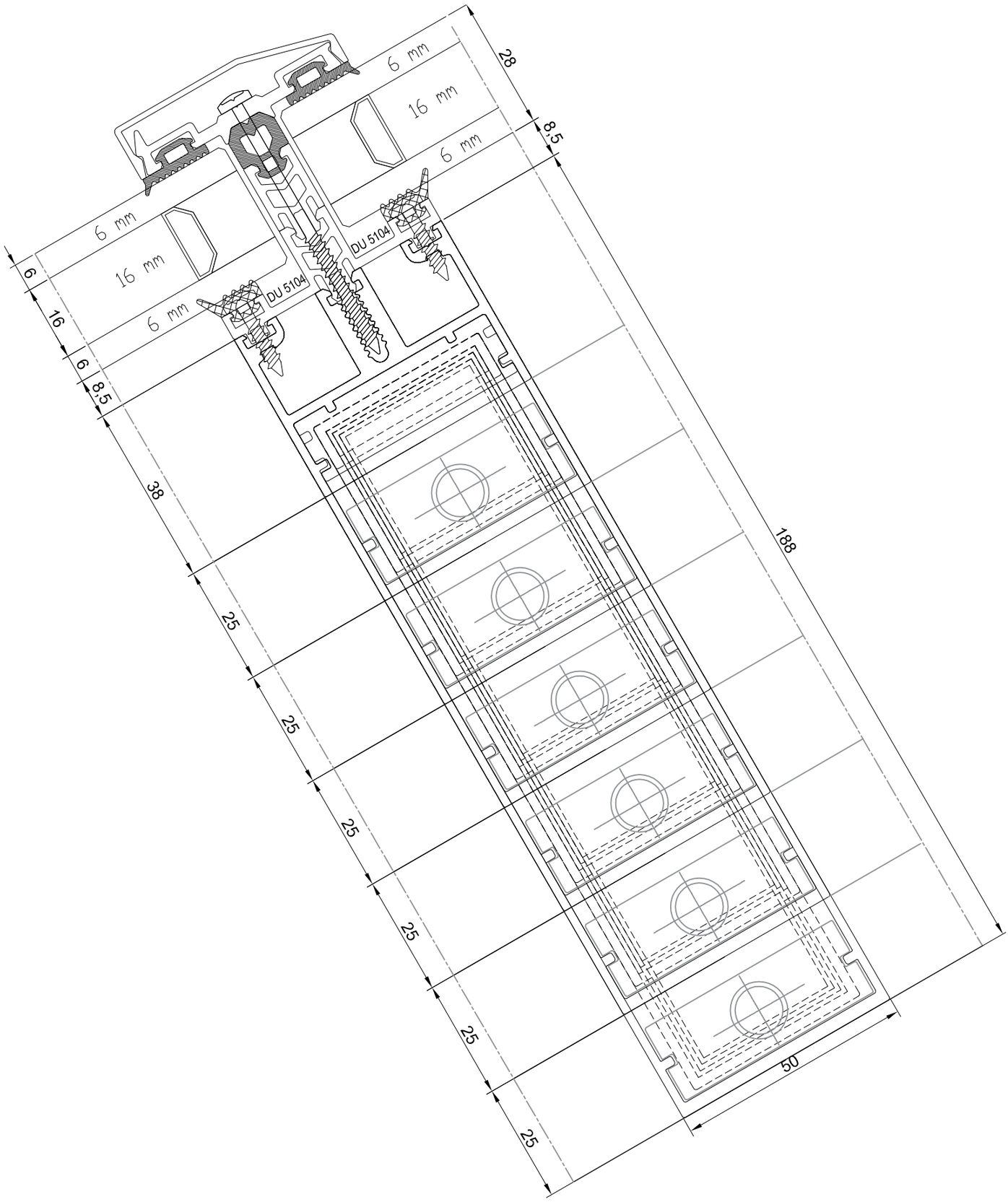
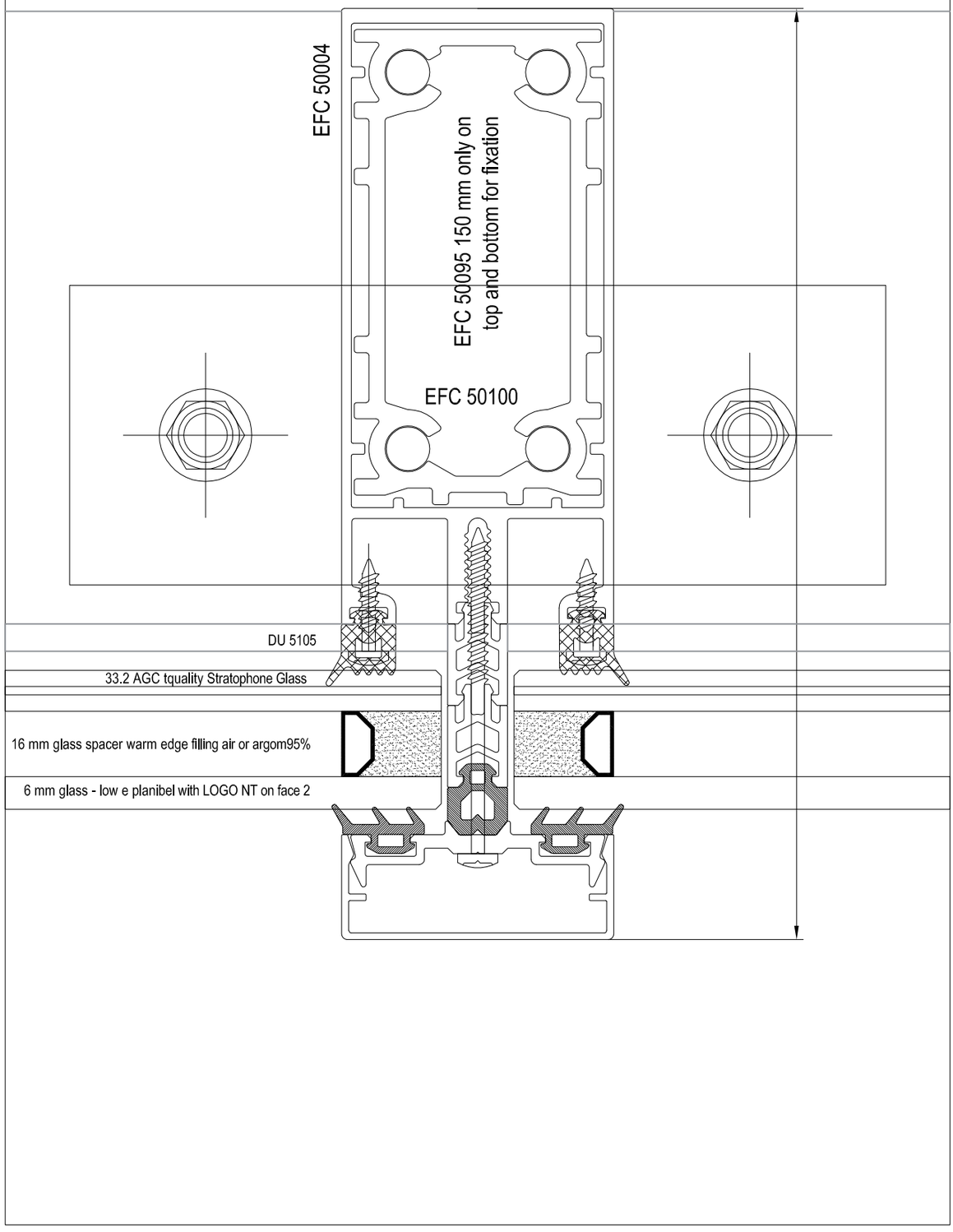


SEZIONI IN SCALA 1:1

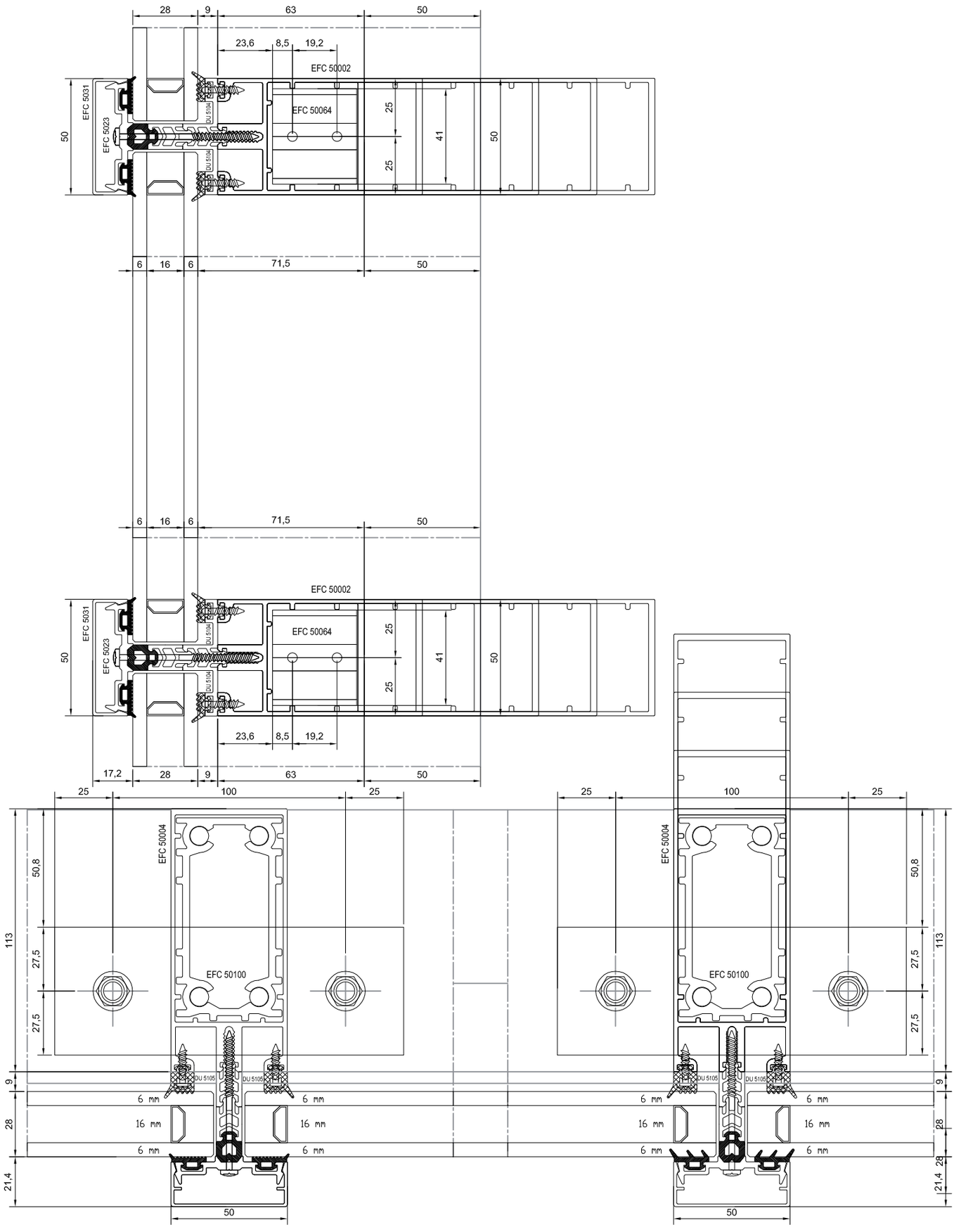


SEZIONI IN SCALA 1:1

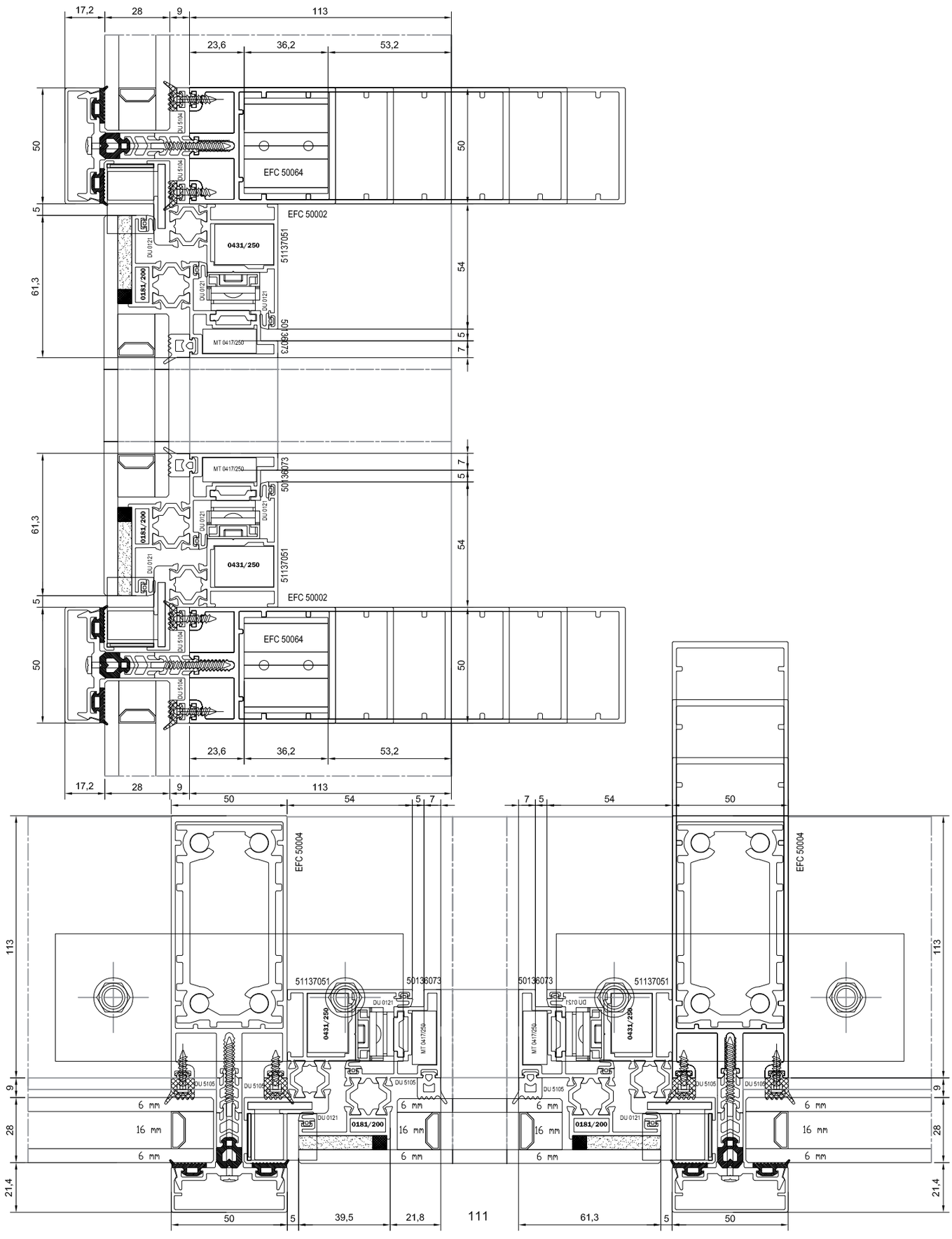
Stick Wall Traditional Curtain wall Sections
Scale 1:2



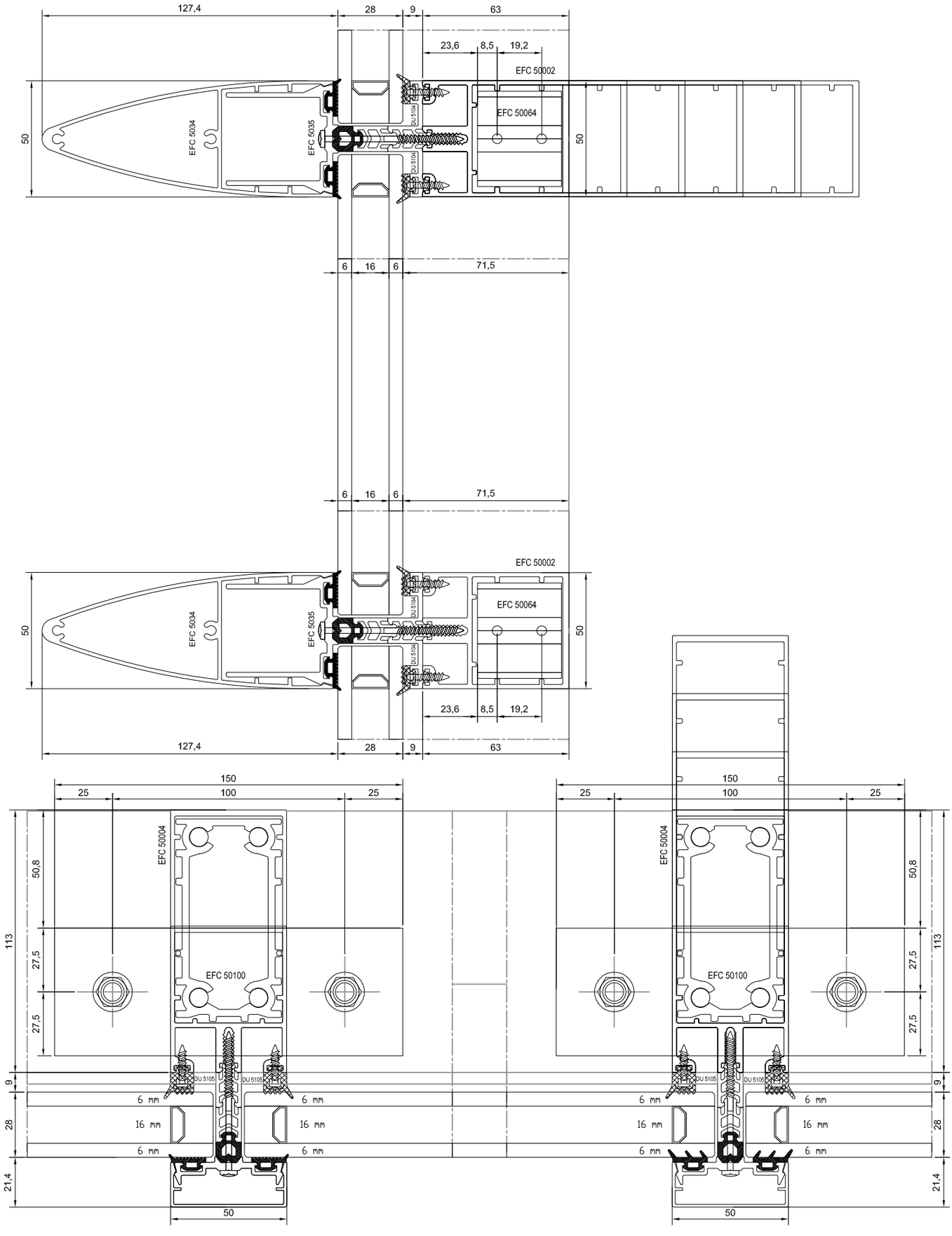
SEZIONI IN SCALA 1:1



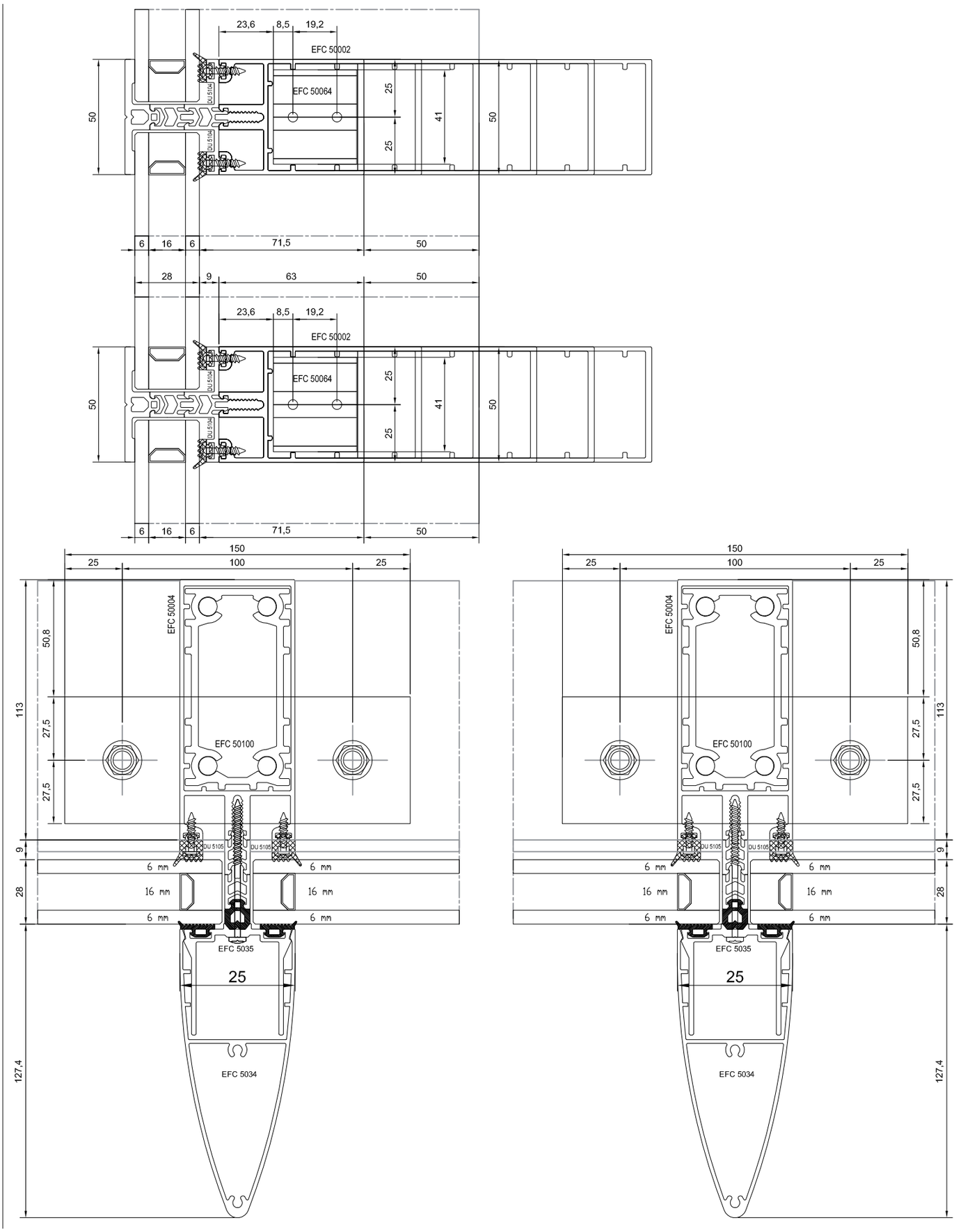
SEZIONI IN SCALA 1:1



SEZIONI IN SCALA 1:1

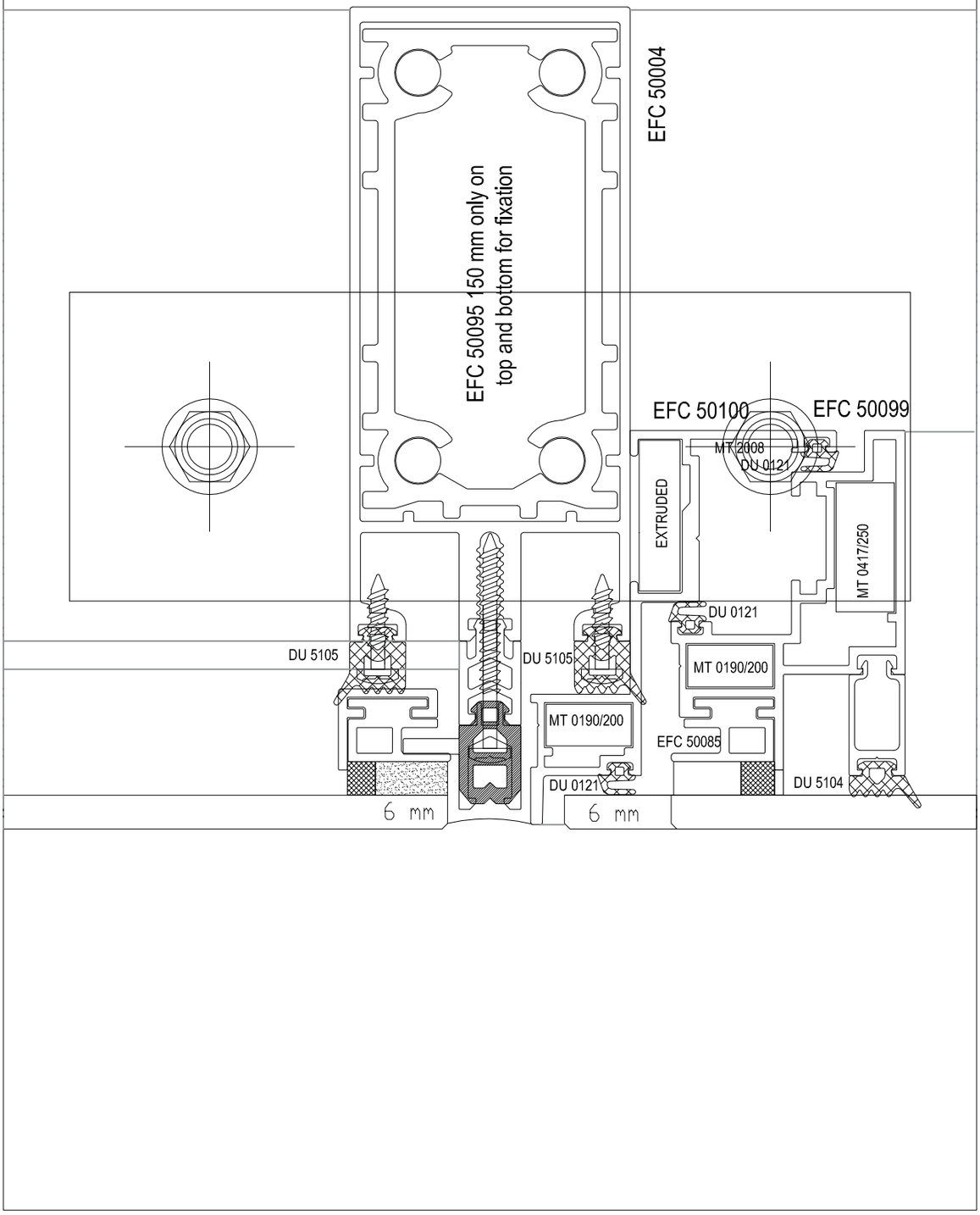


SEZIONI IN SCALA 1:1



SEZIONI IN SCALA 1:1

Stick Wall Structural Single Glass Sections
Scale 1:2



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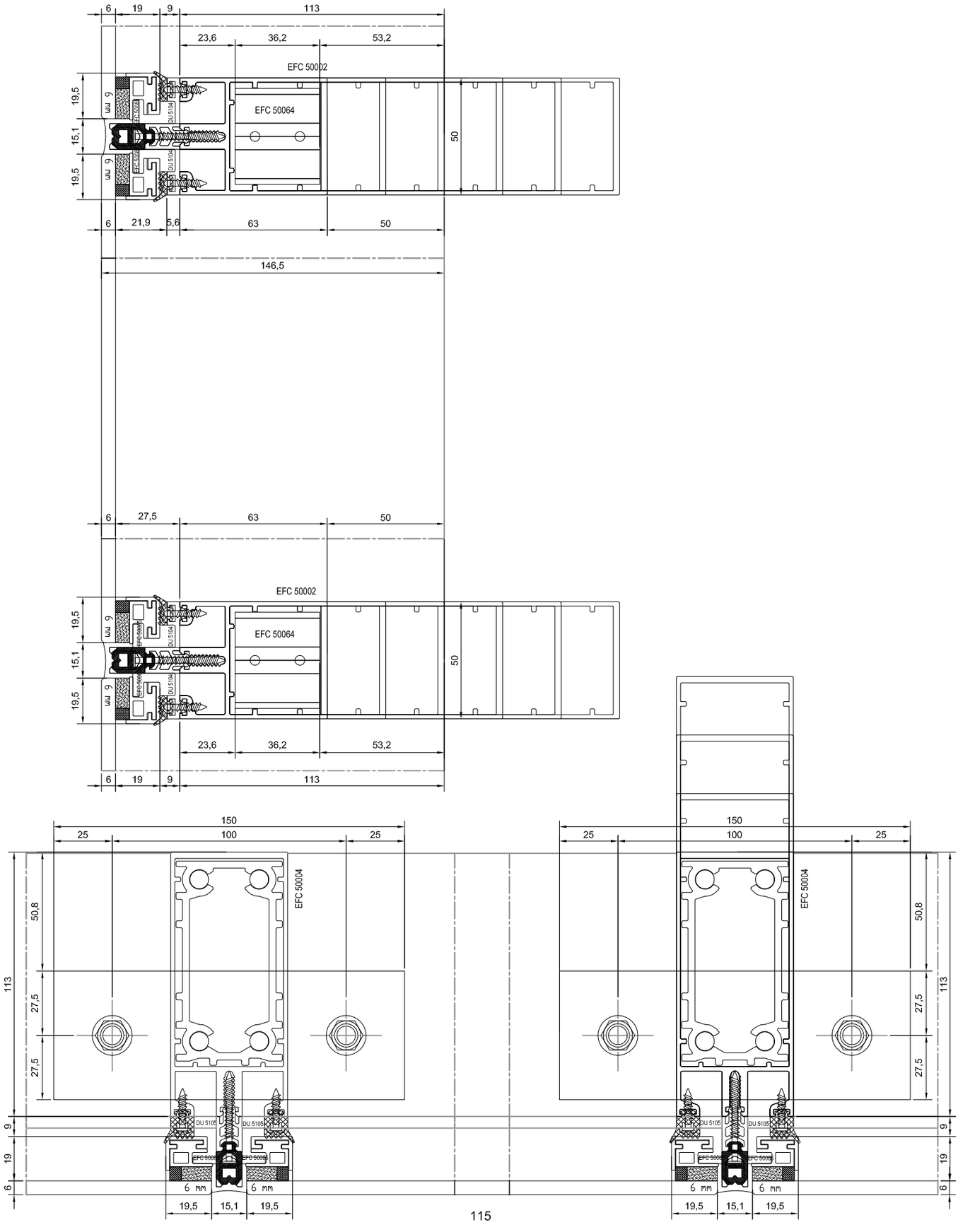

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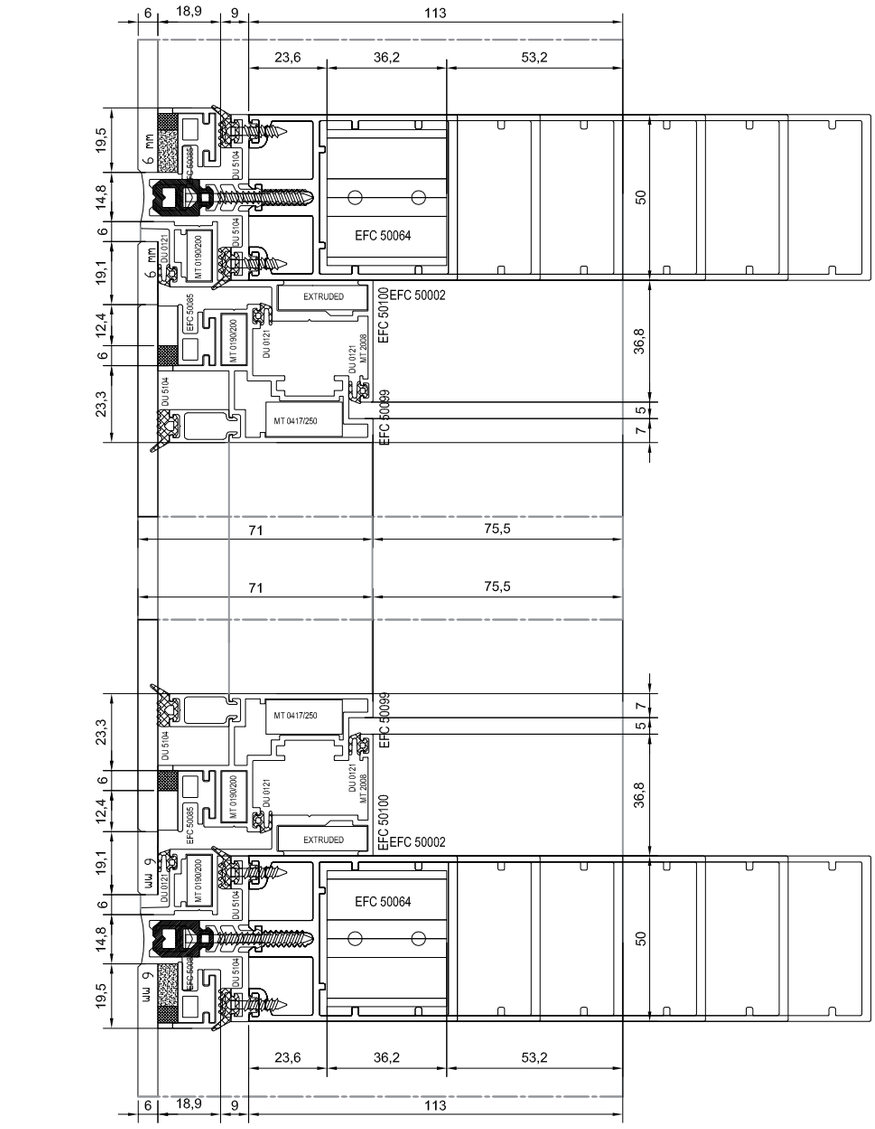

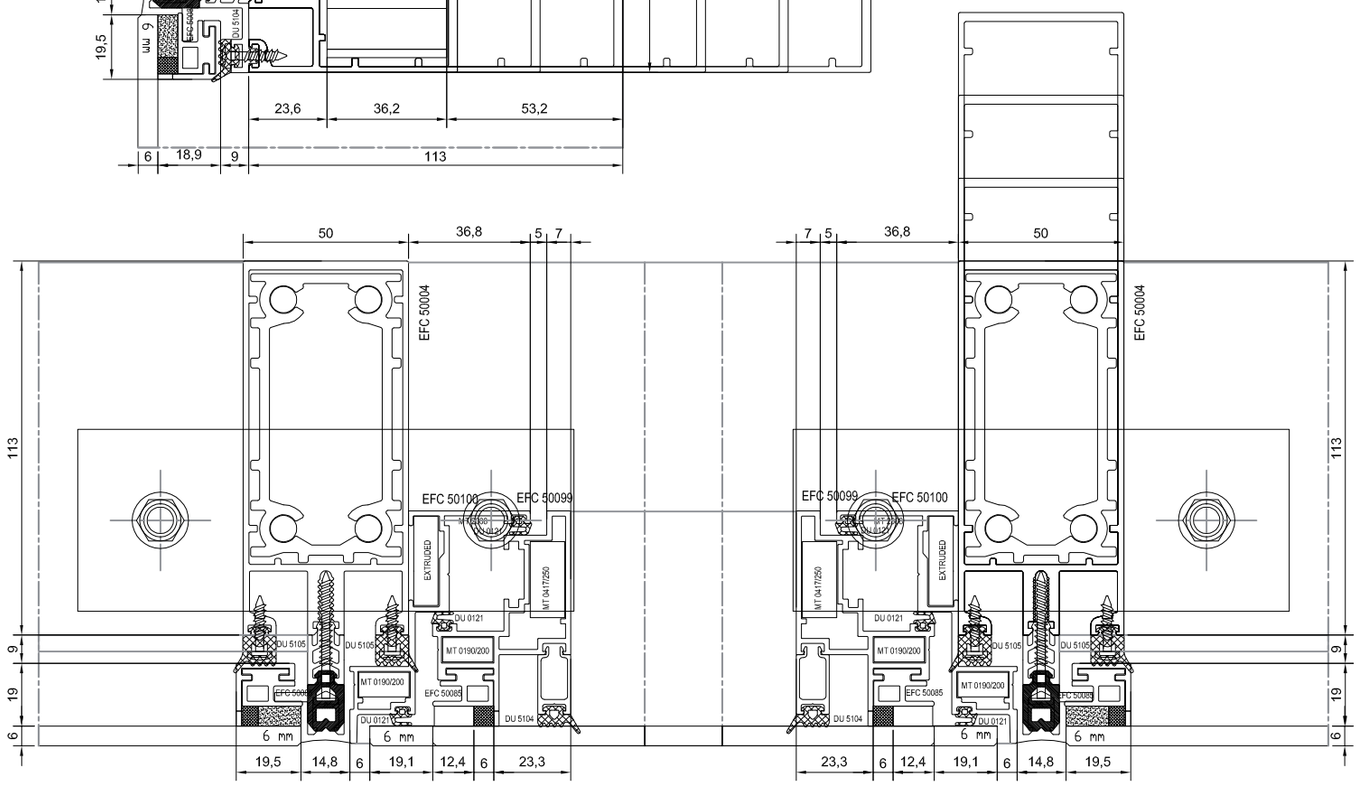

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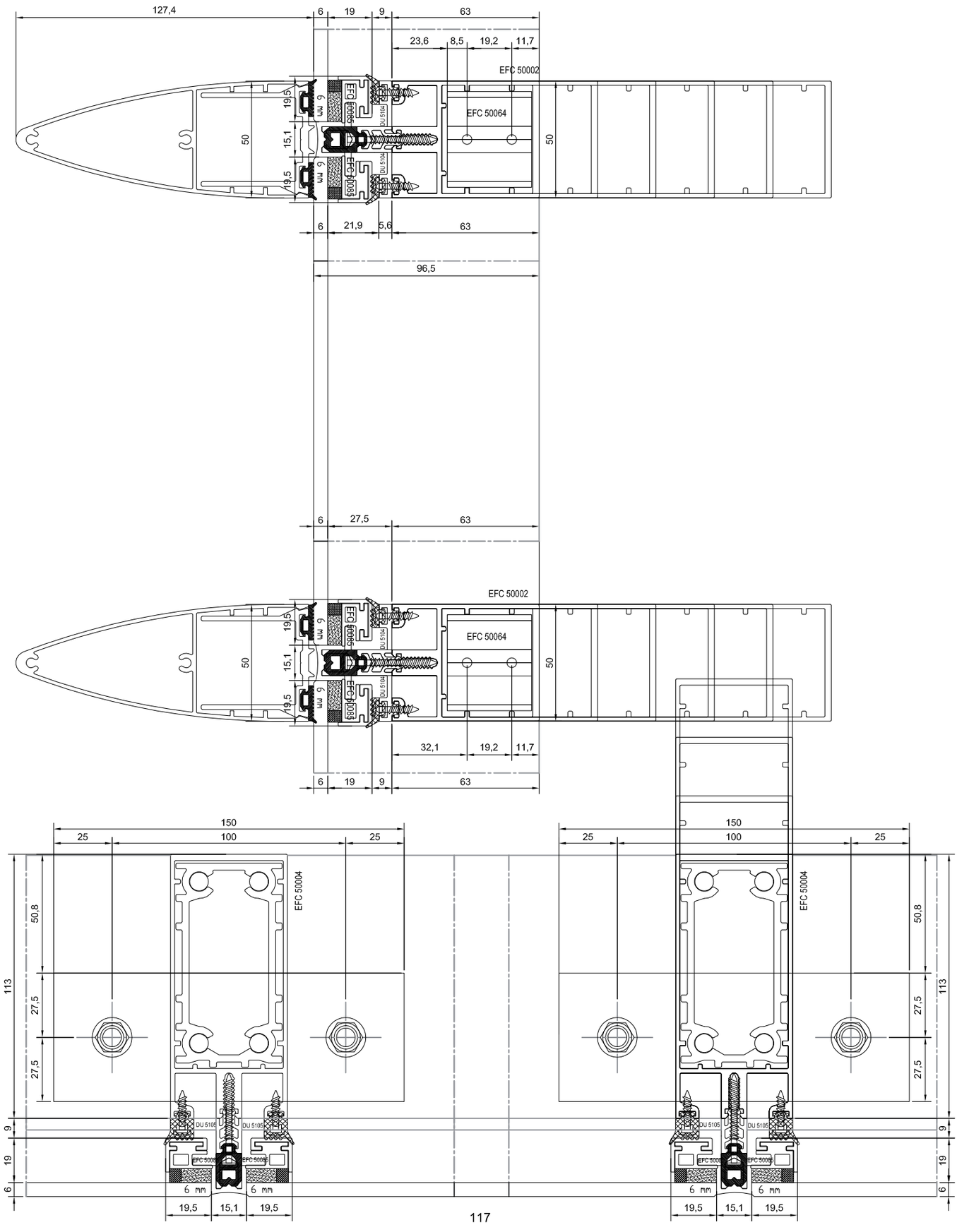

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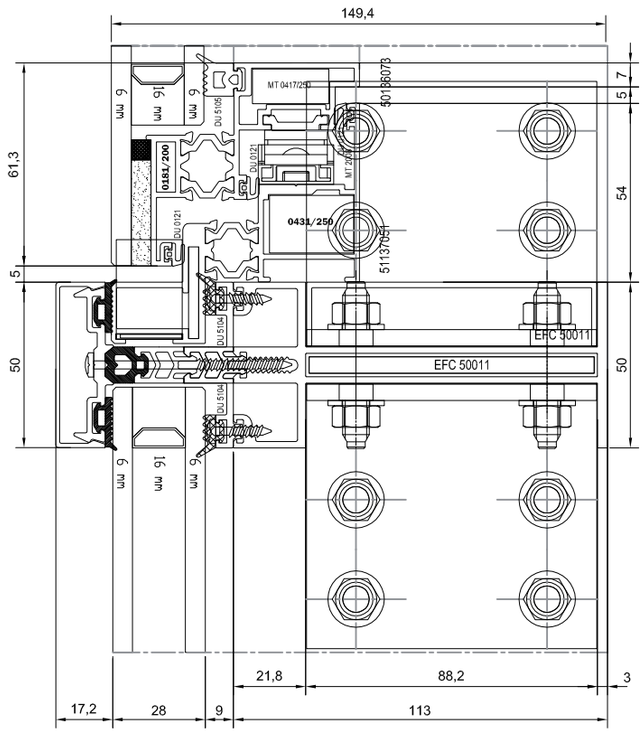

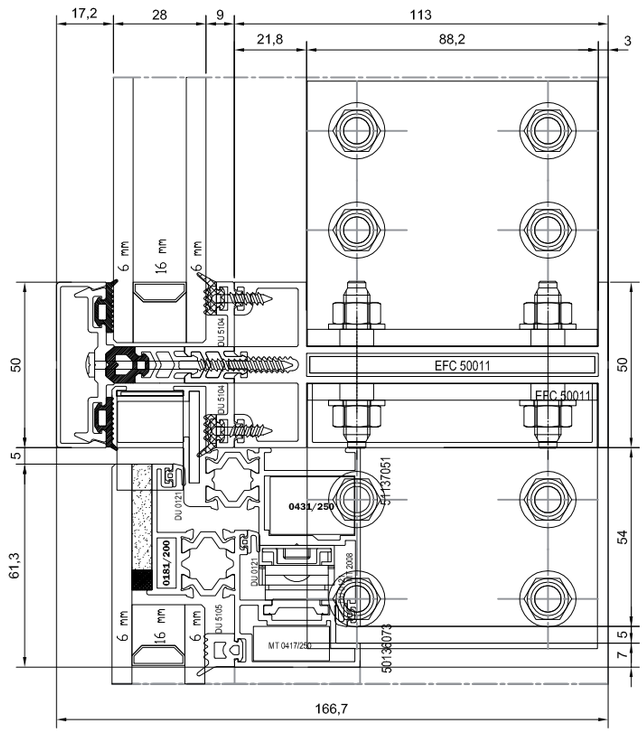

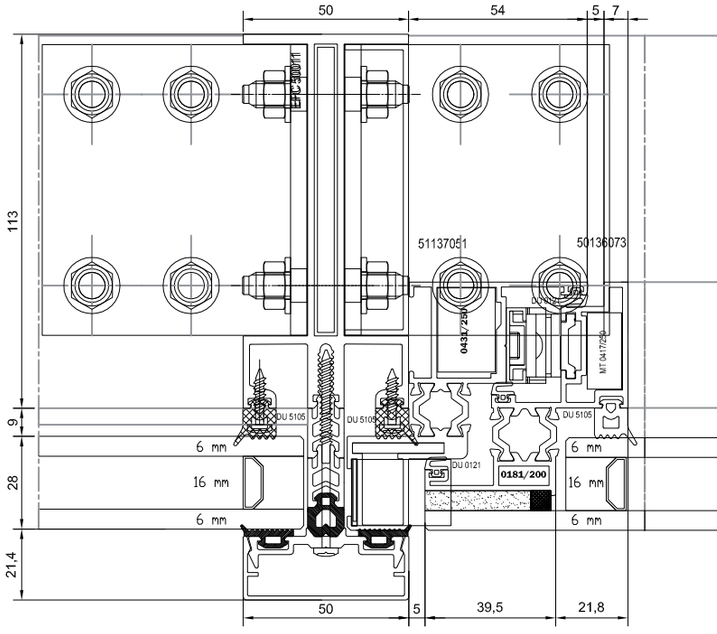

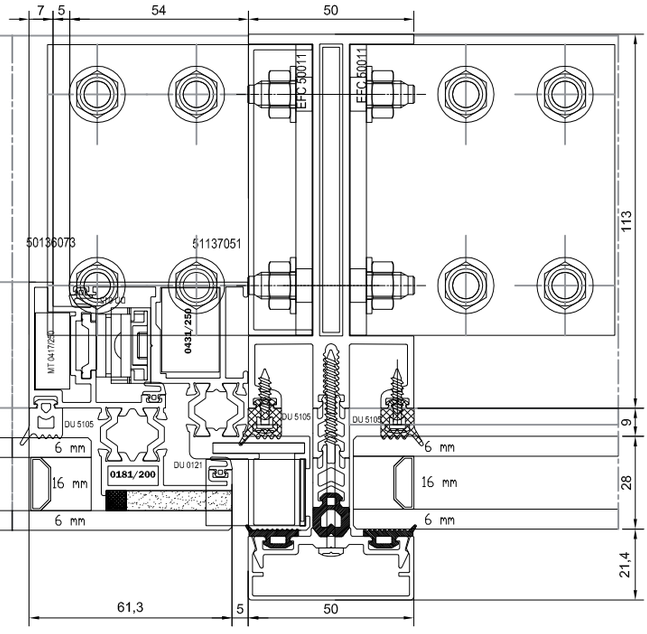

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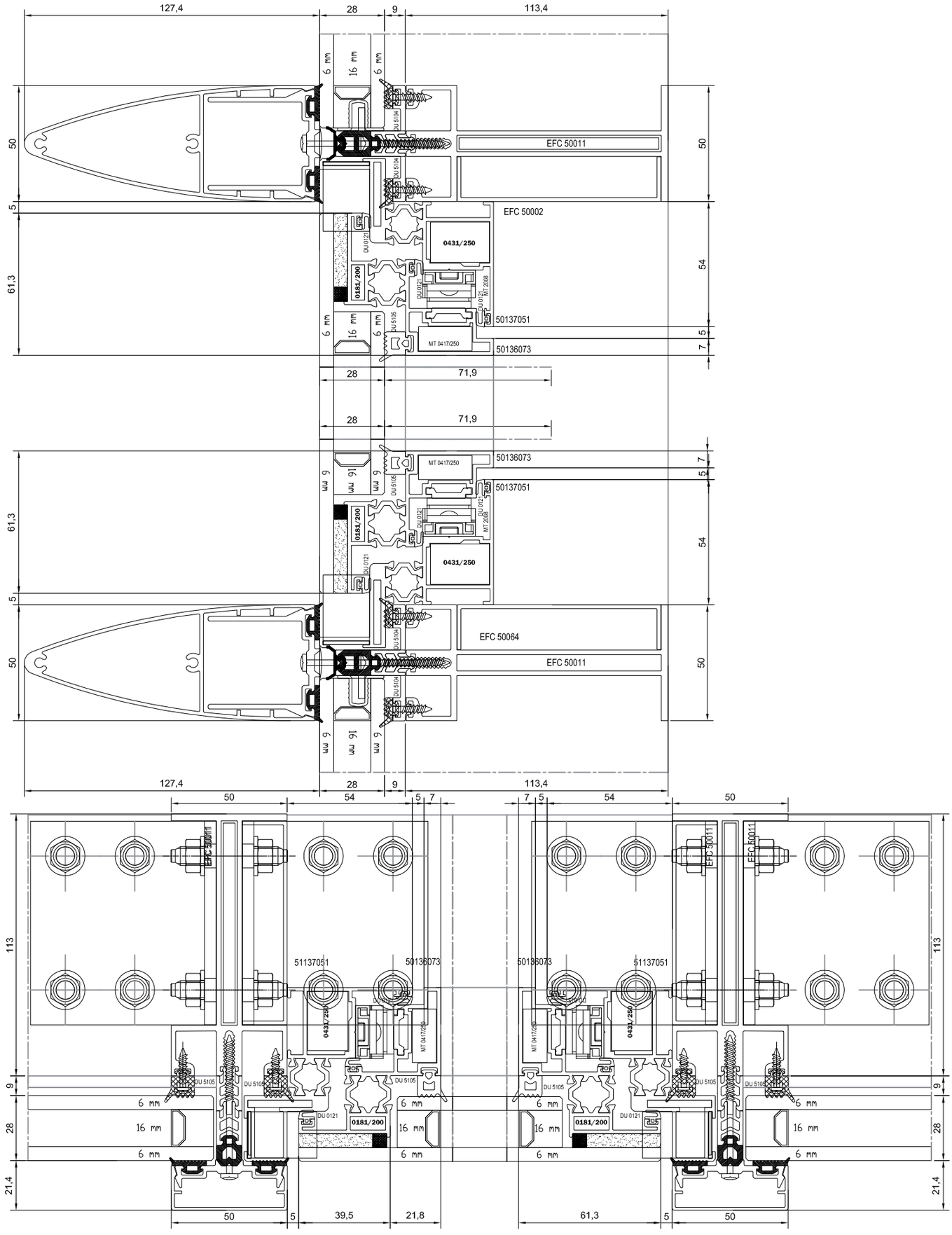

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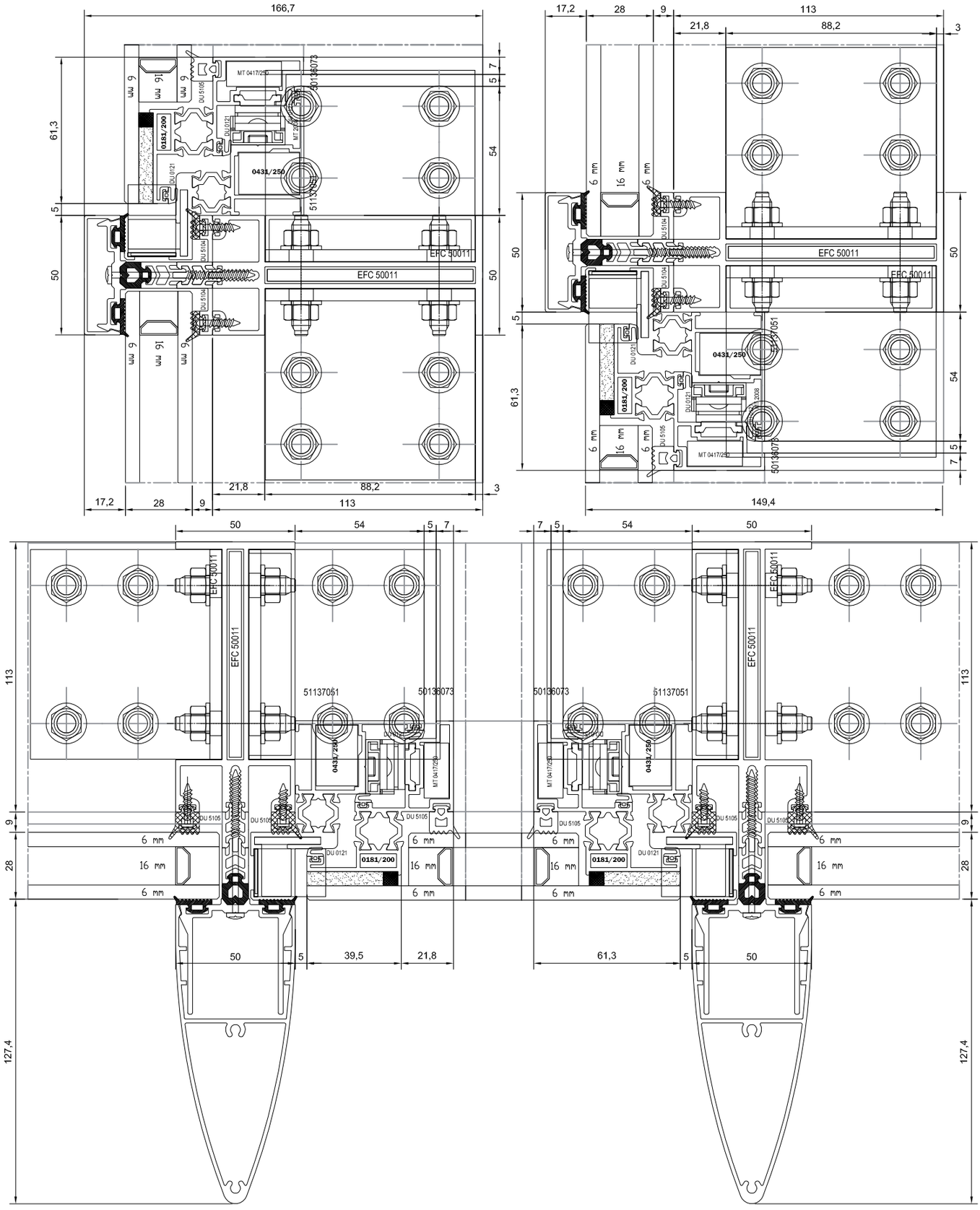

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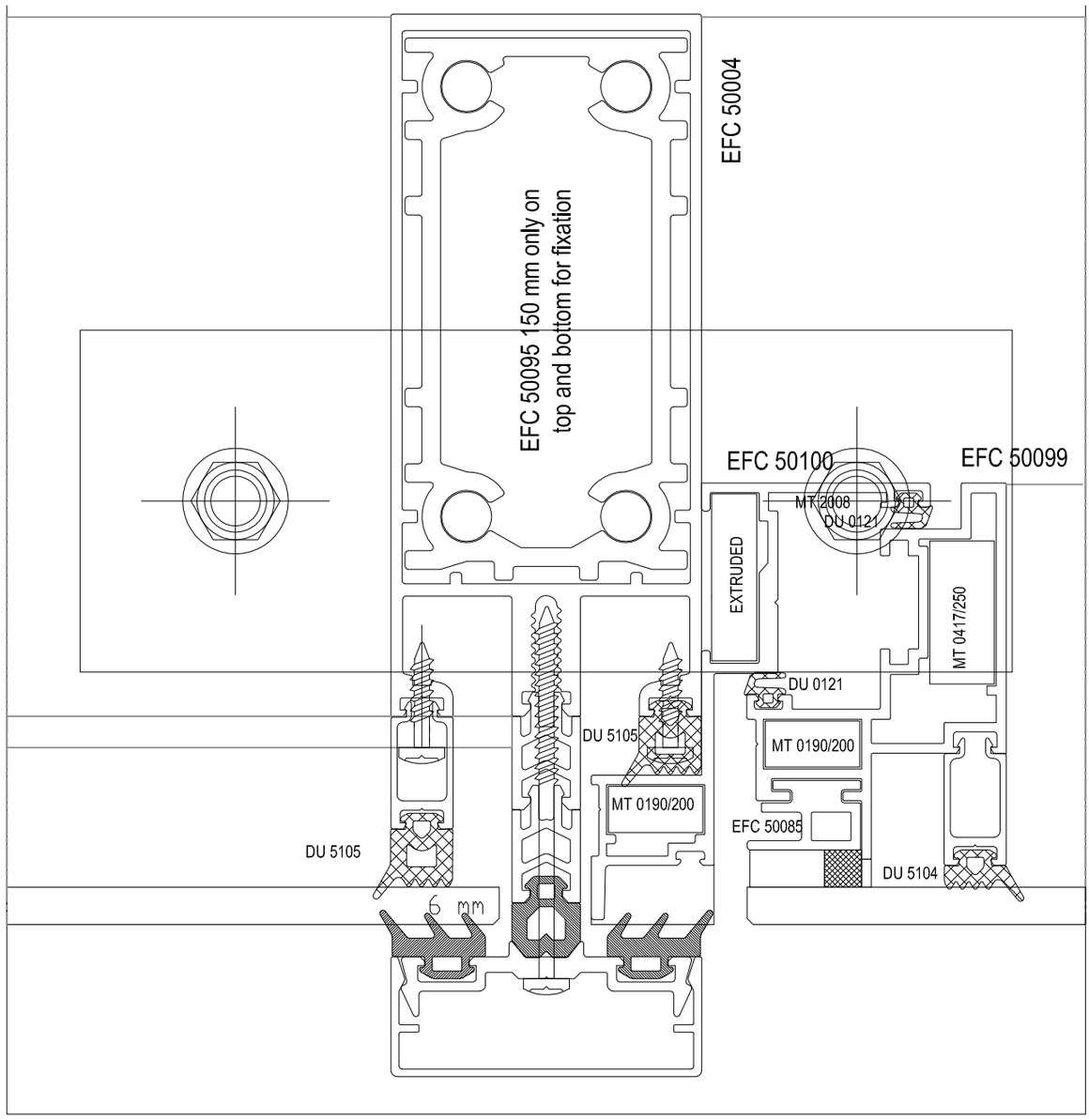

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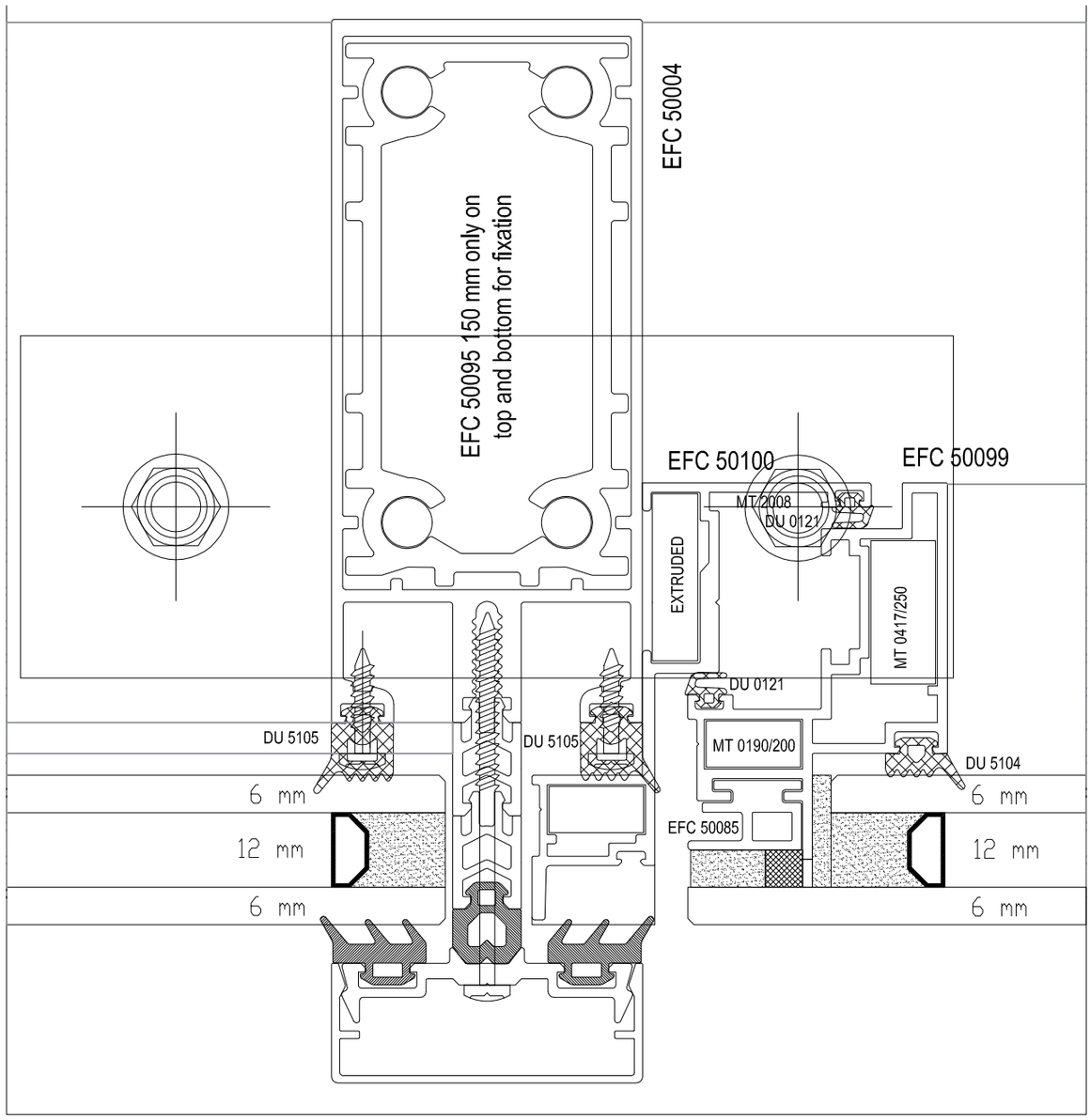

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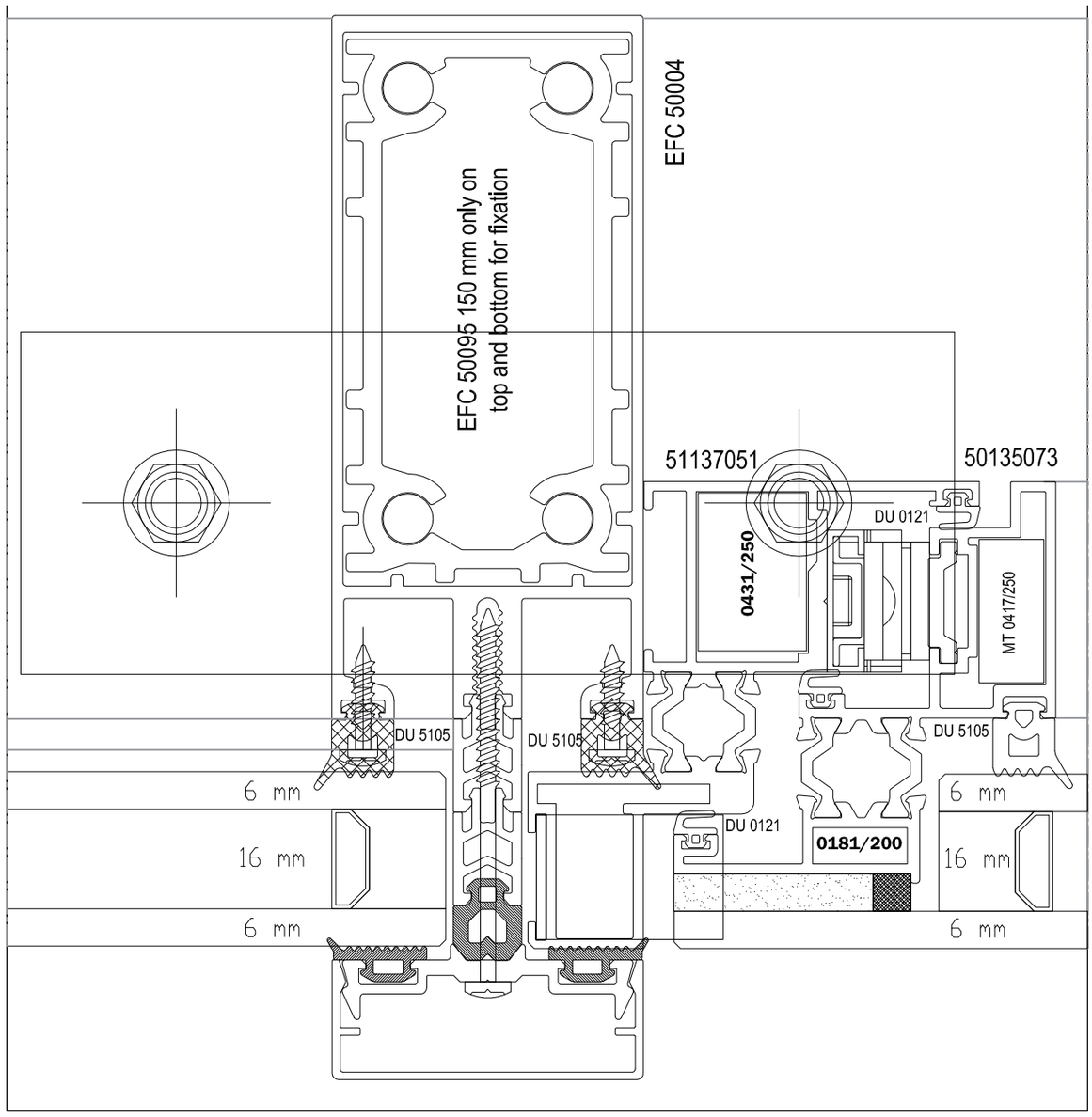

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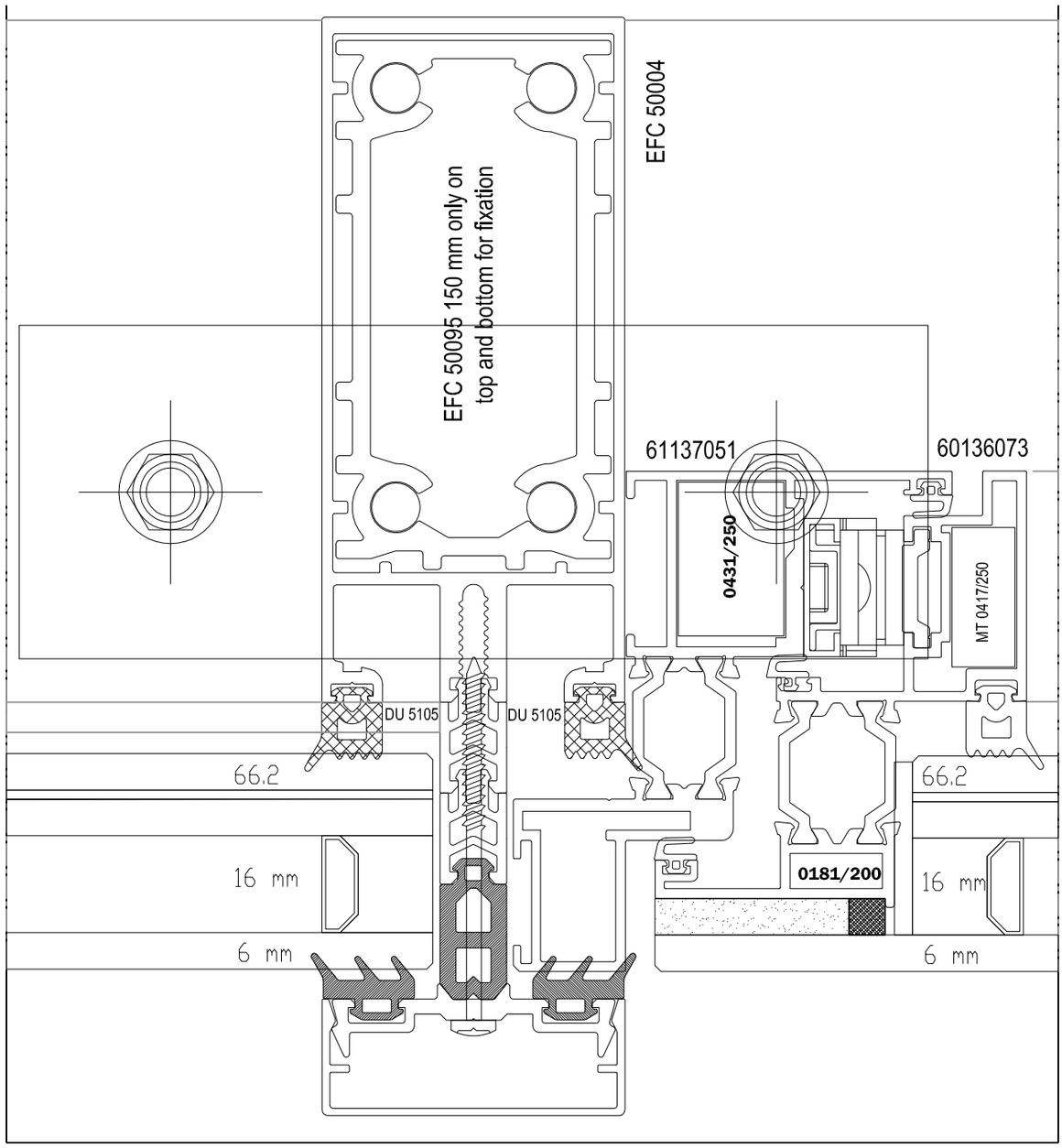

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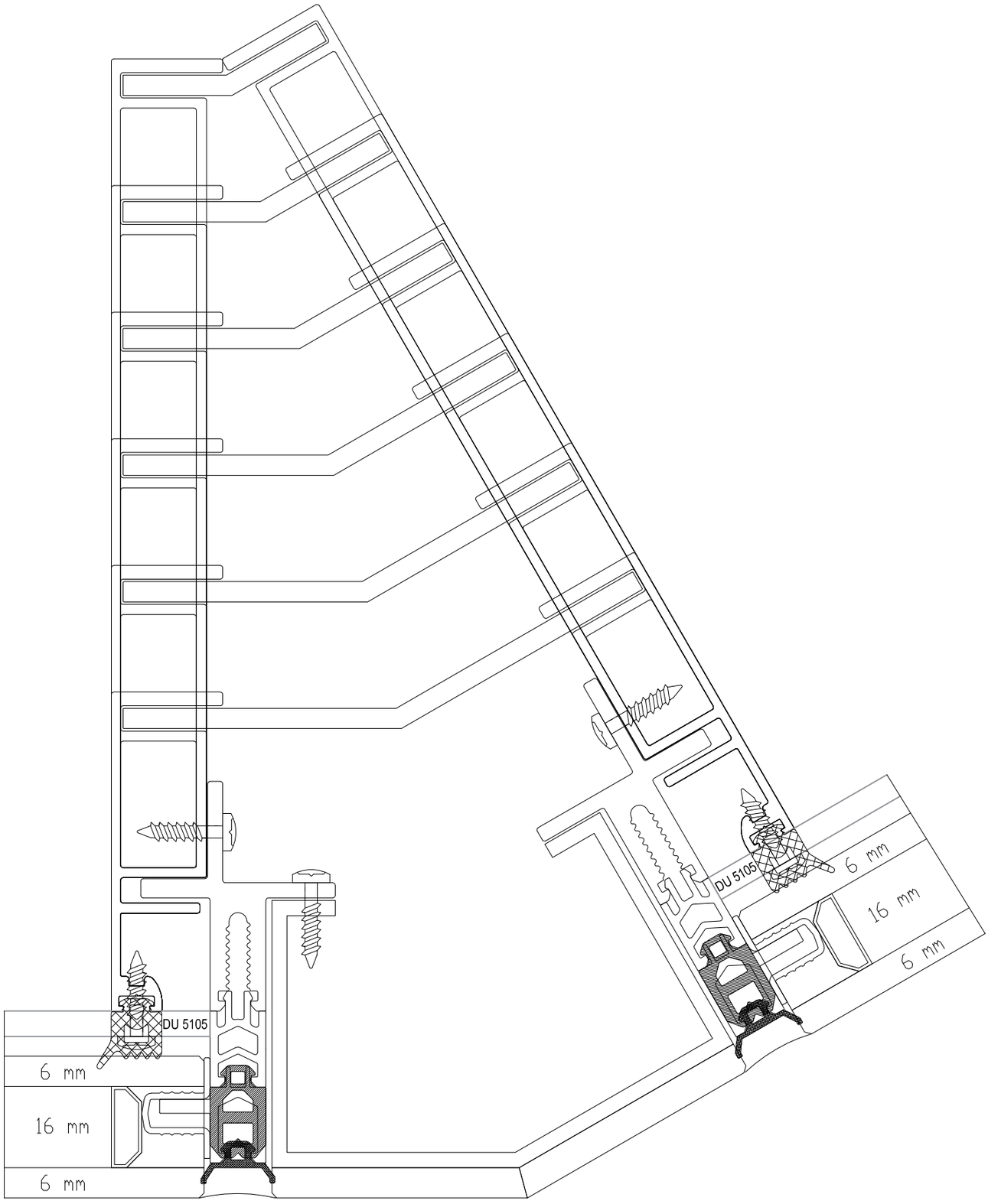

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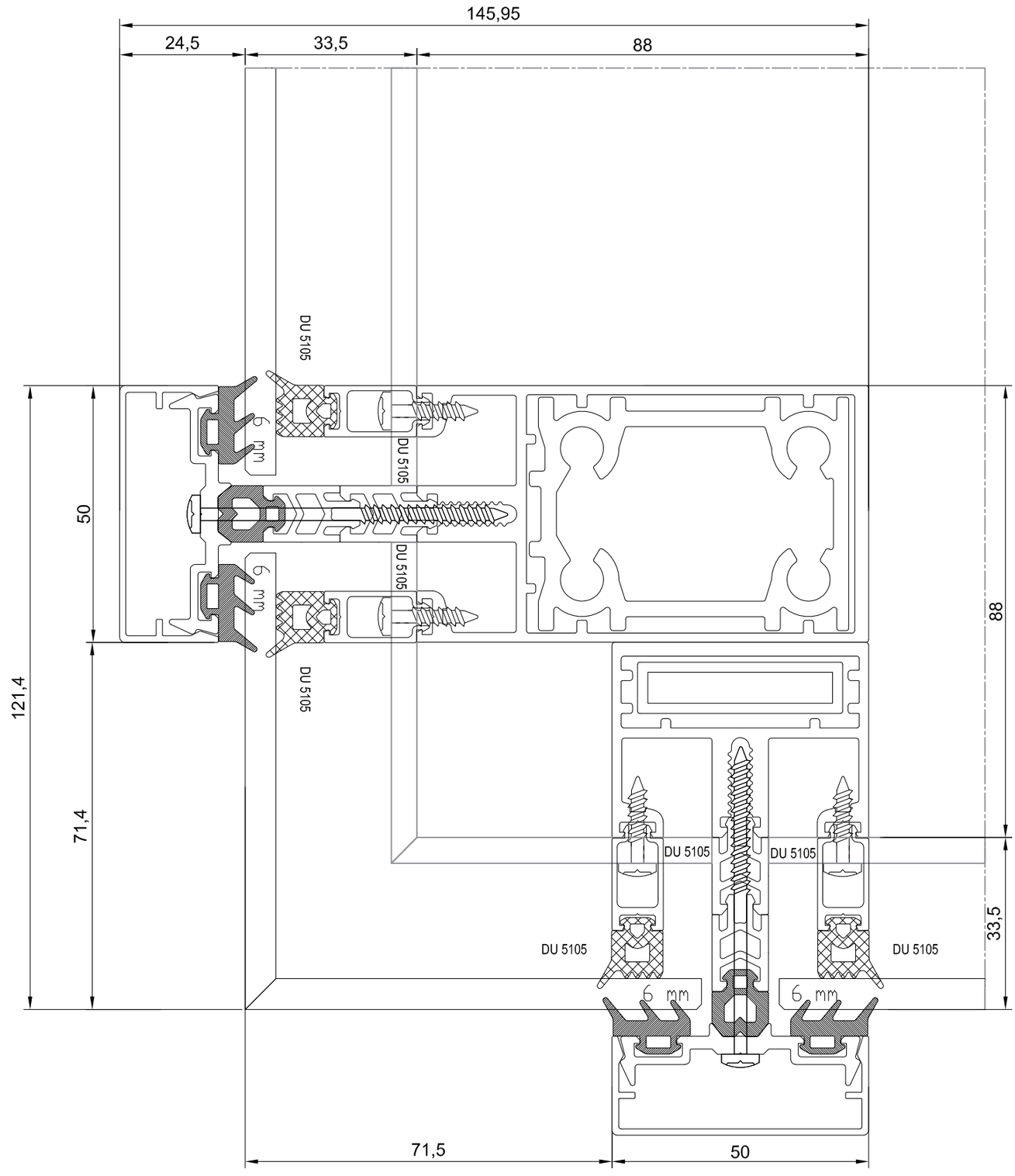

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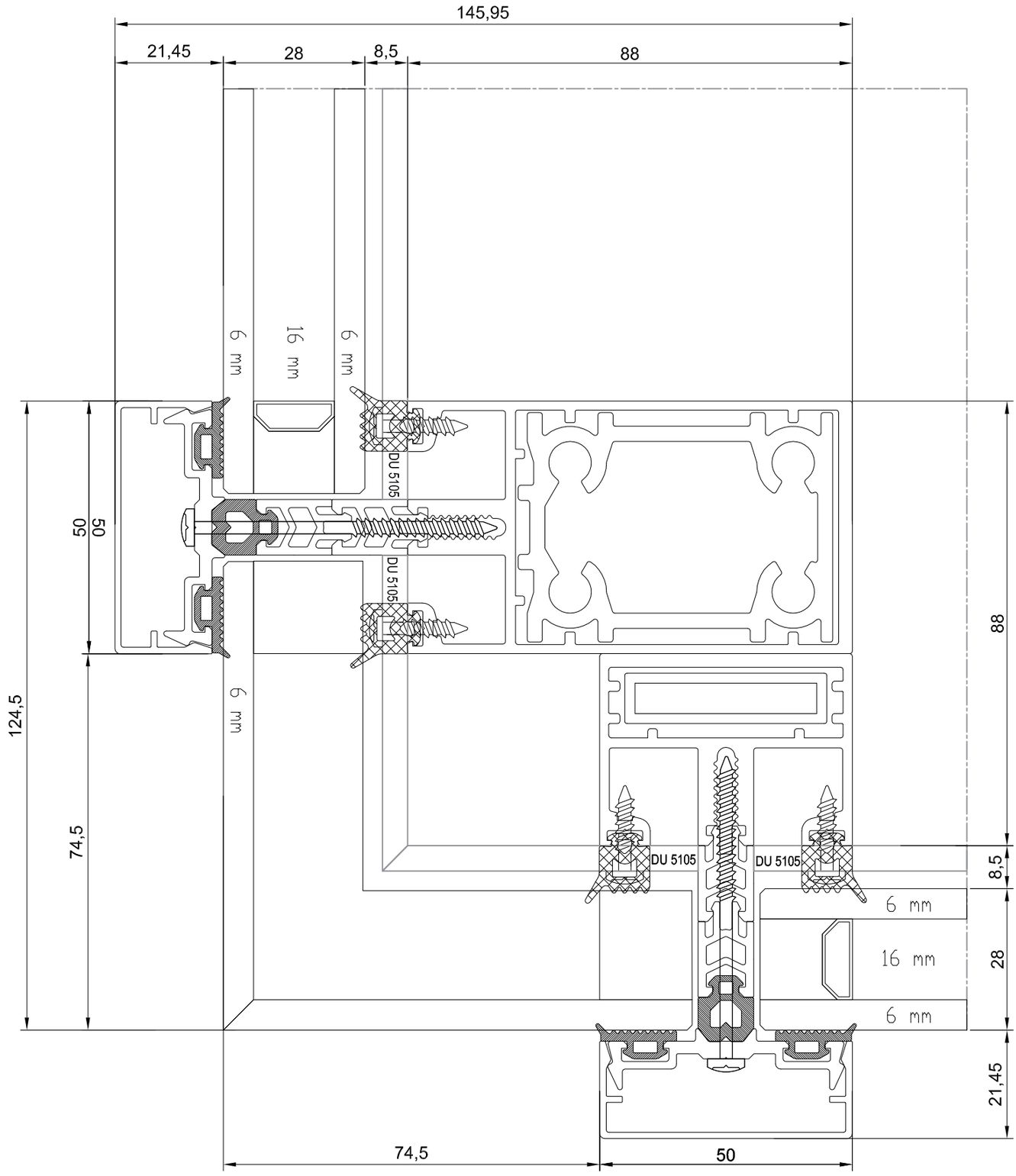
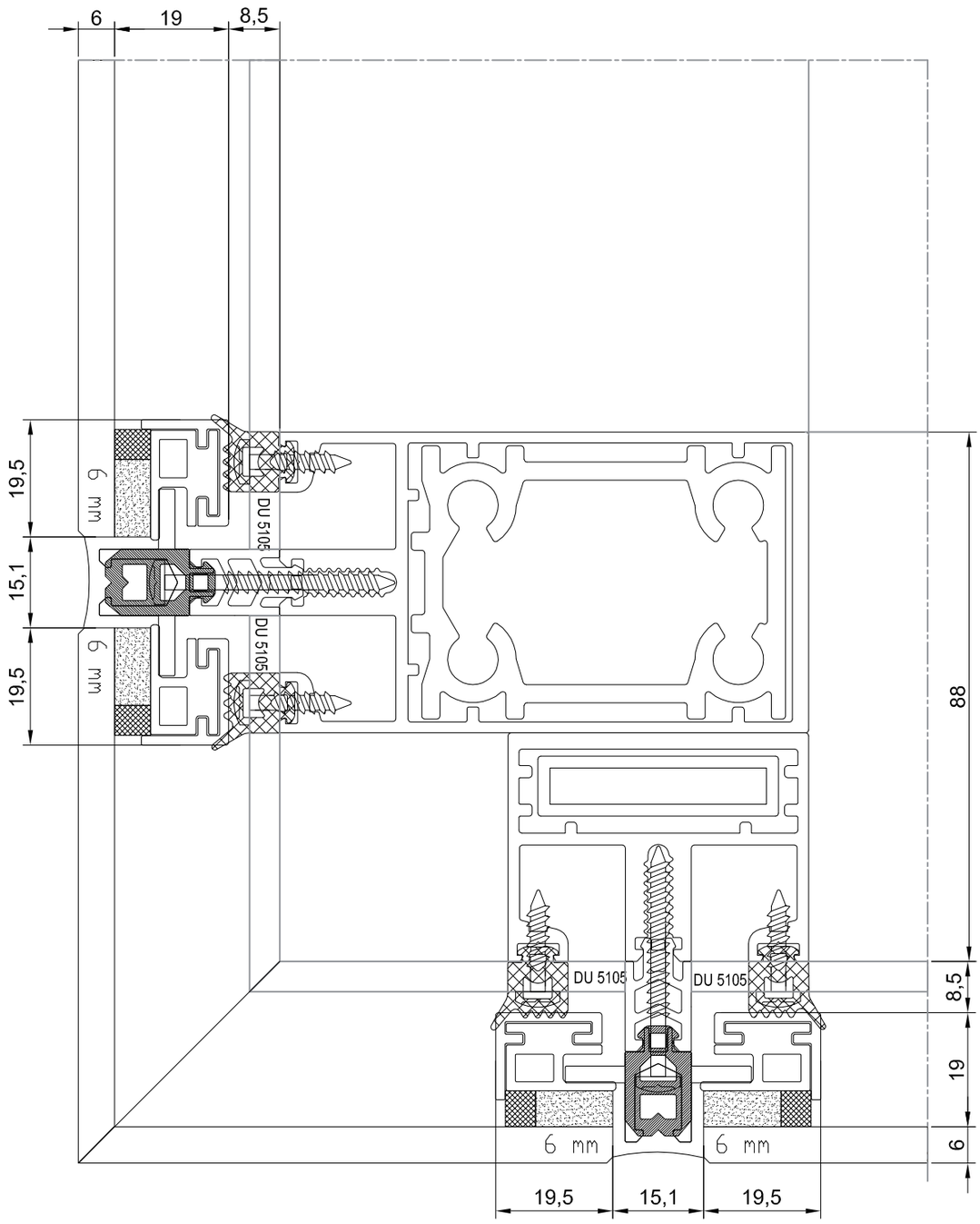


SEZIONI IN SCALA 1:1



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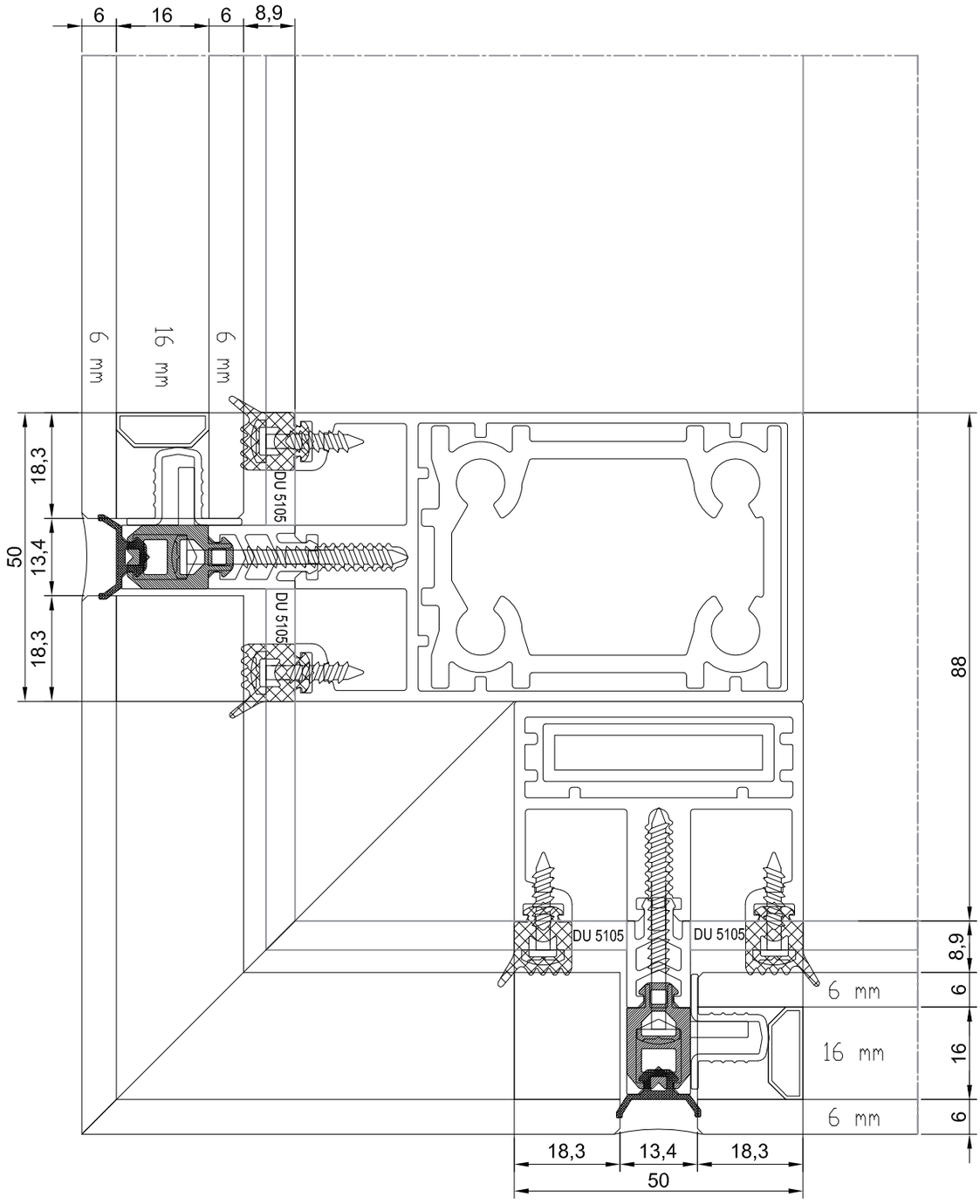

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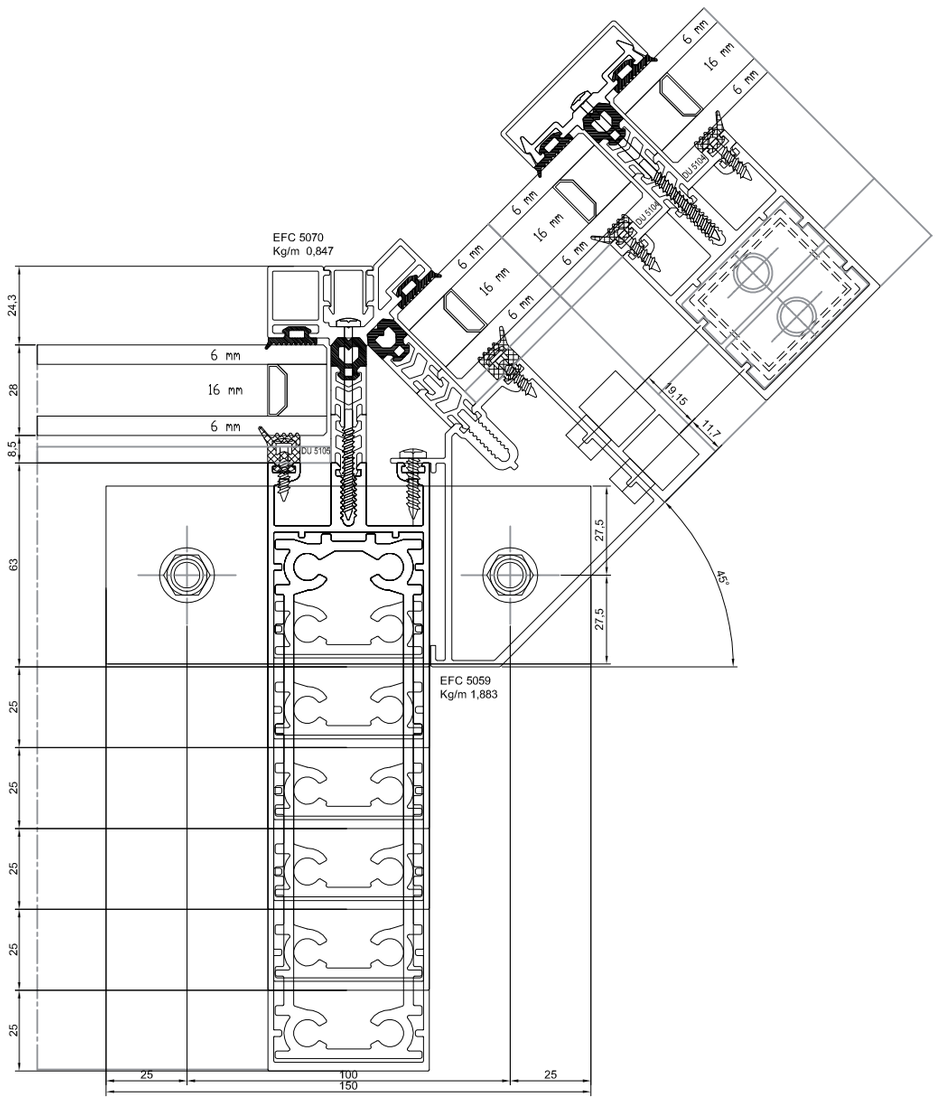

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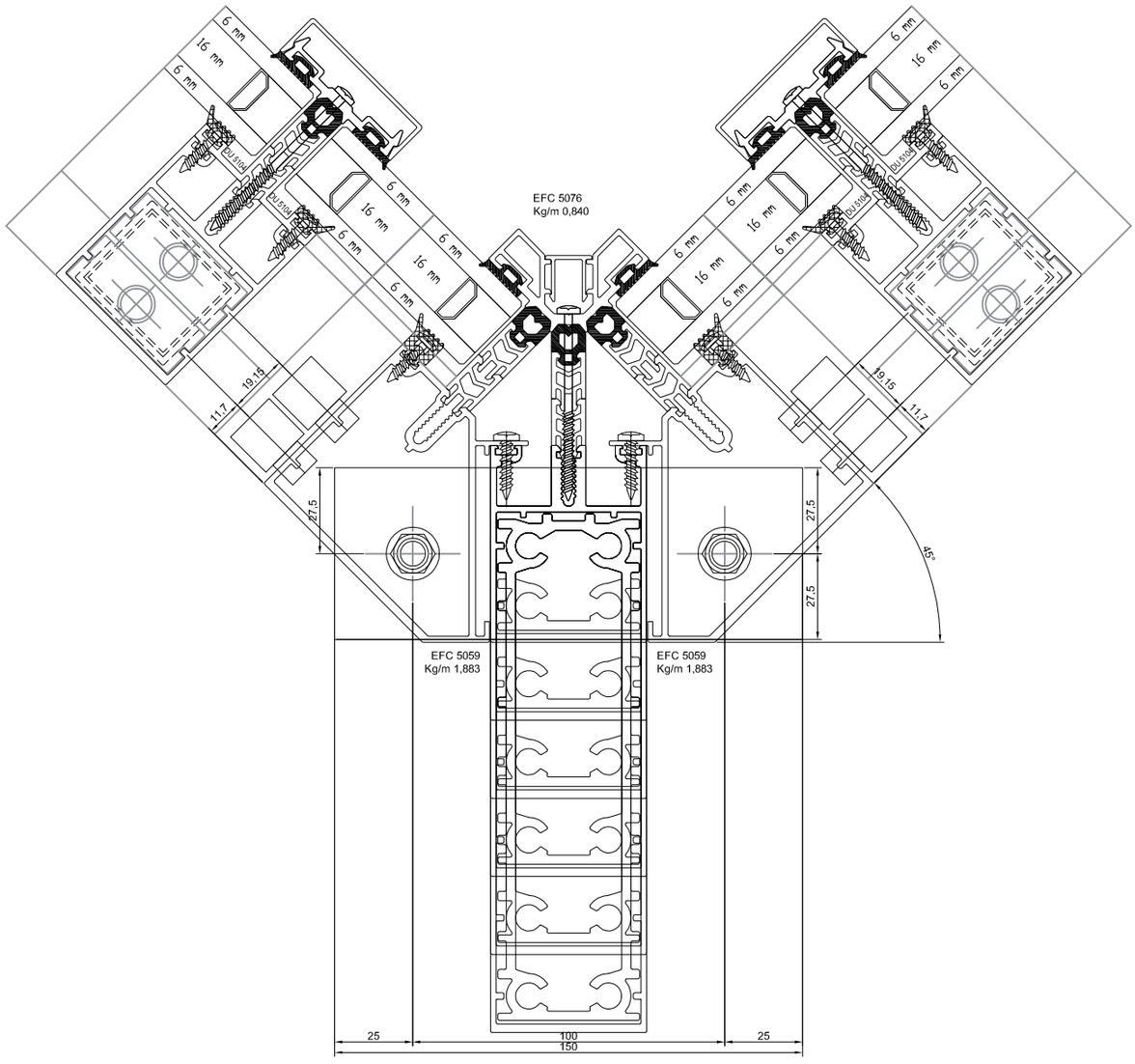

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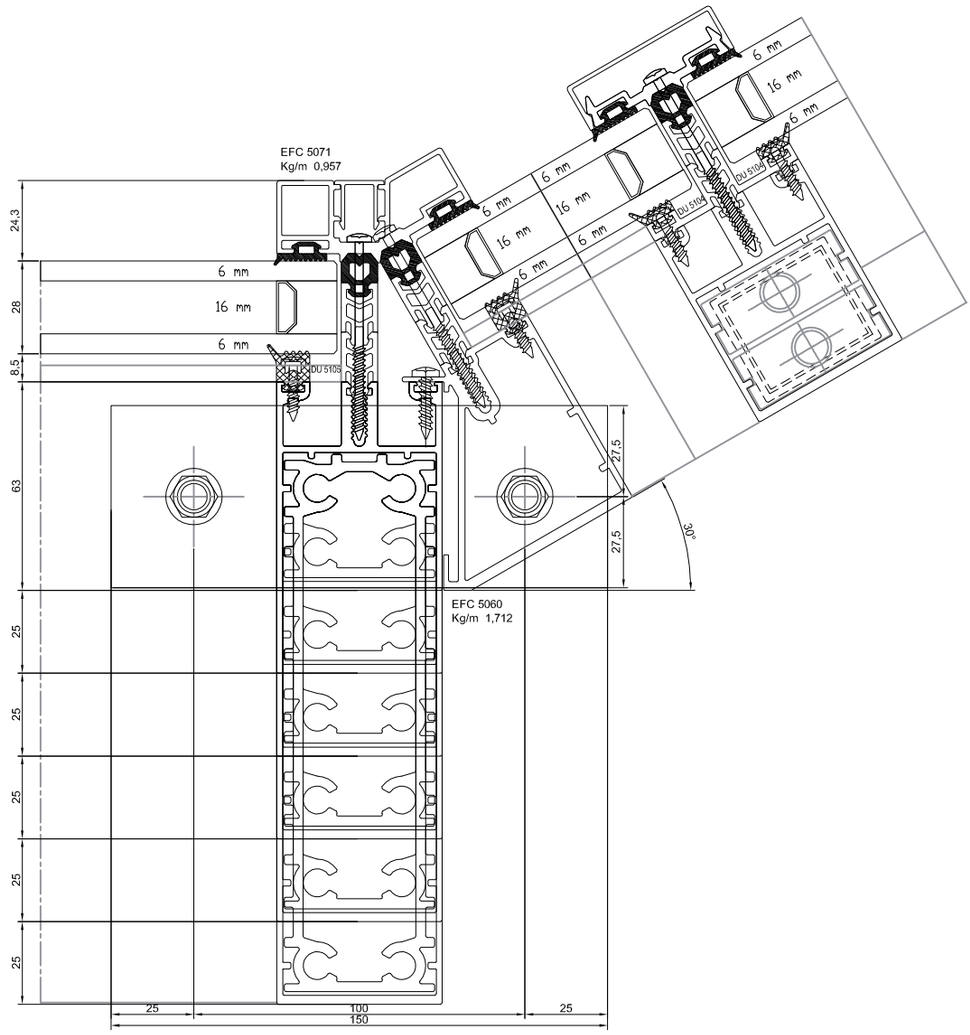

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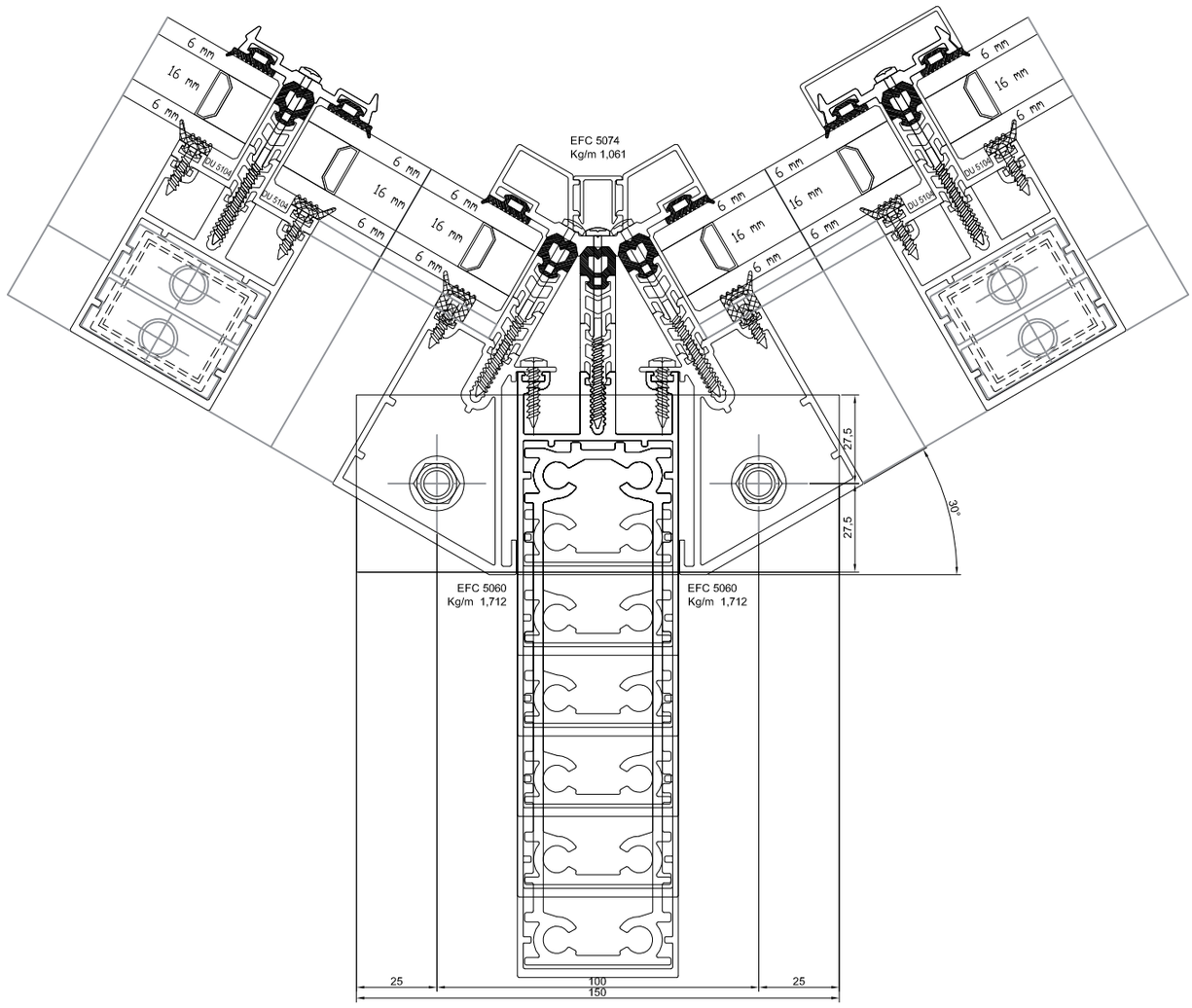

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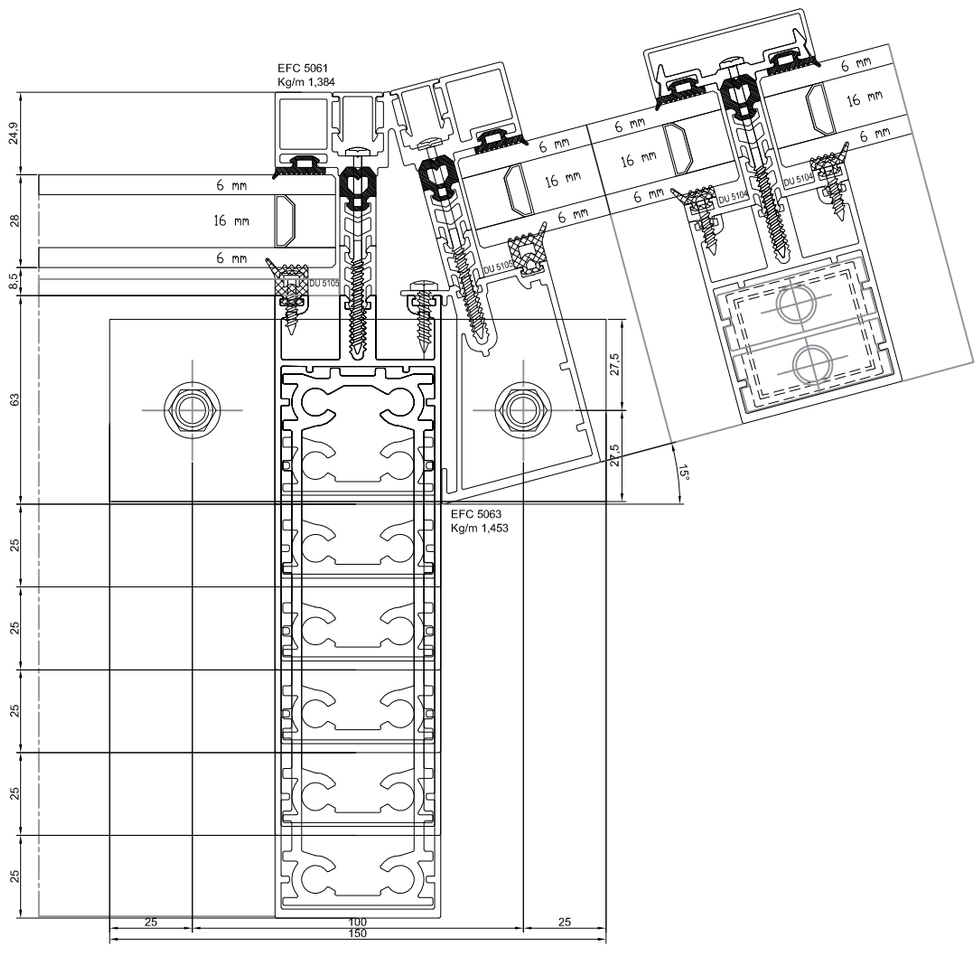

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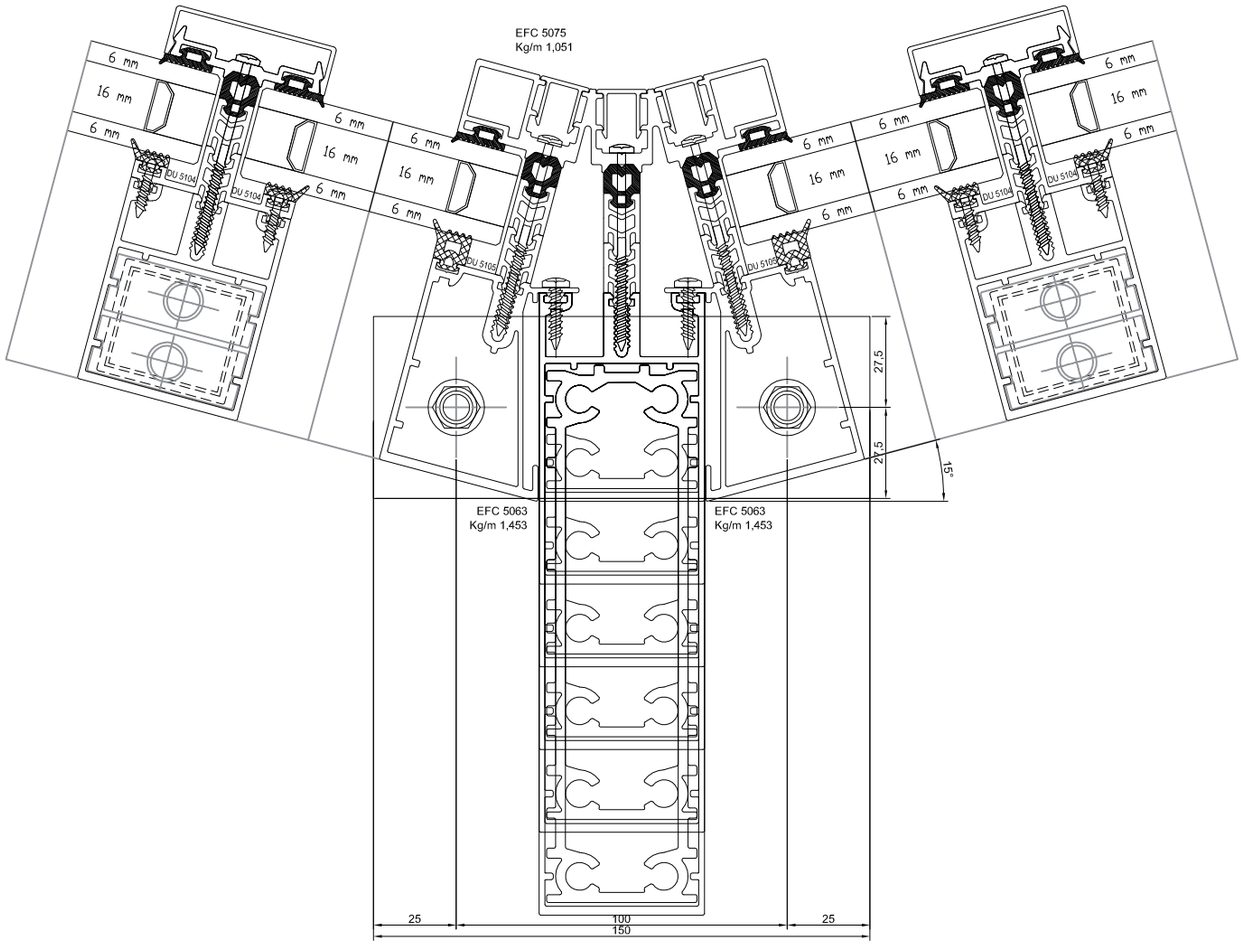

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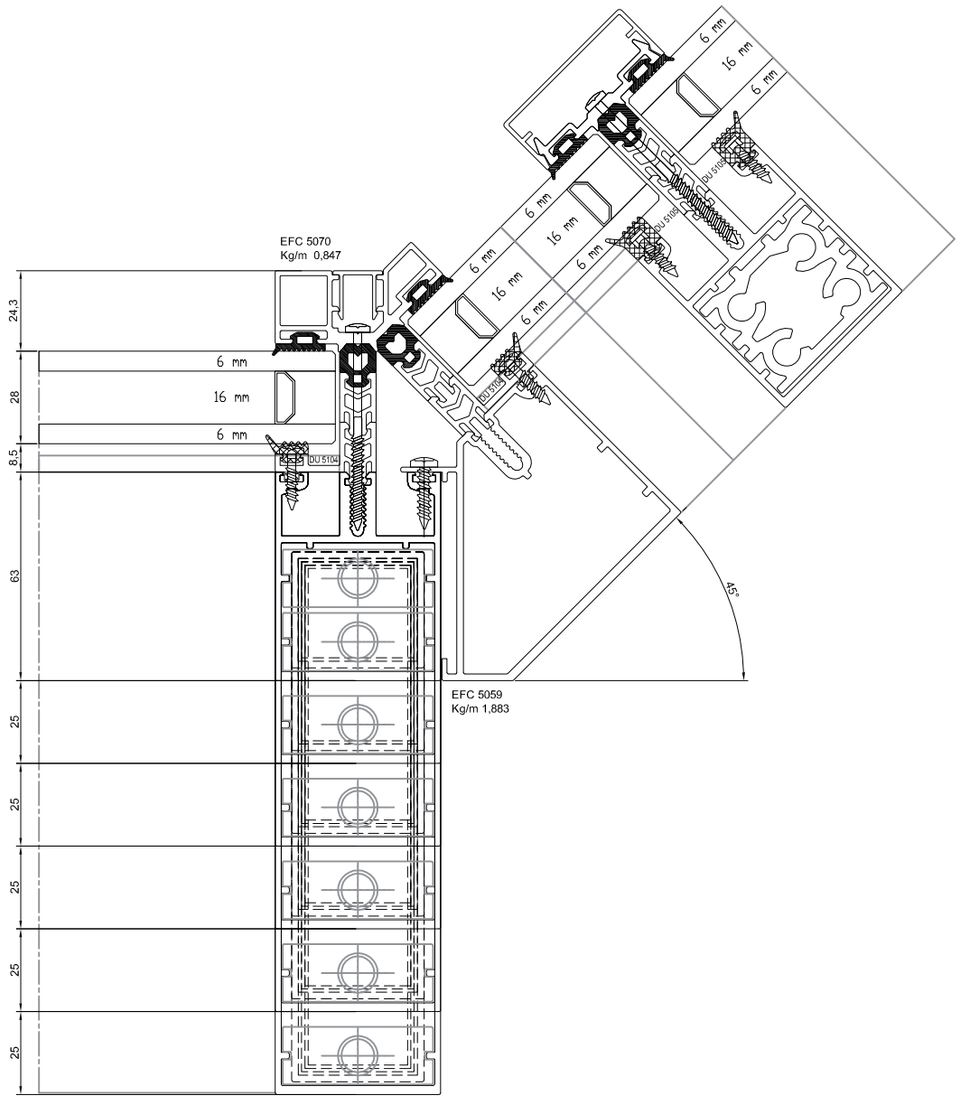

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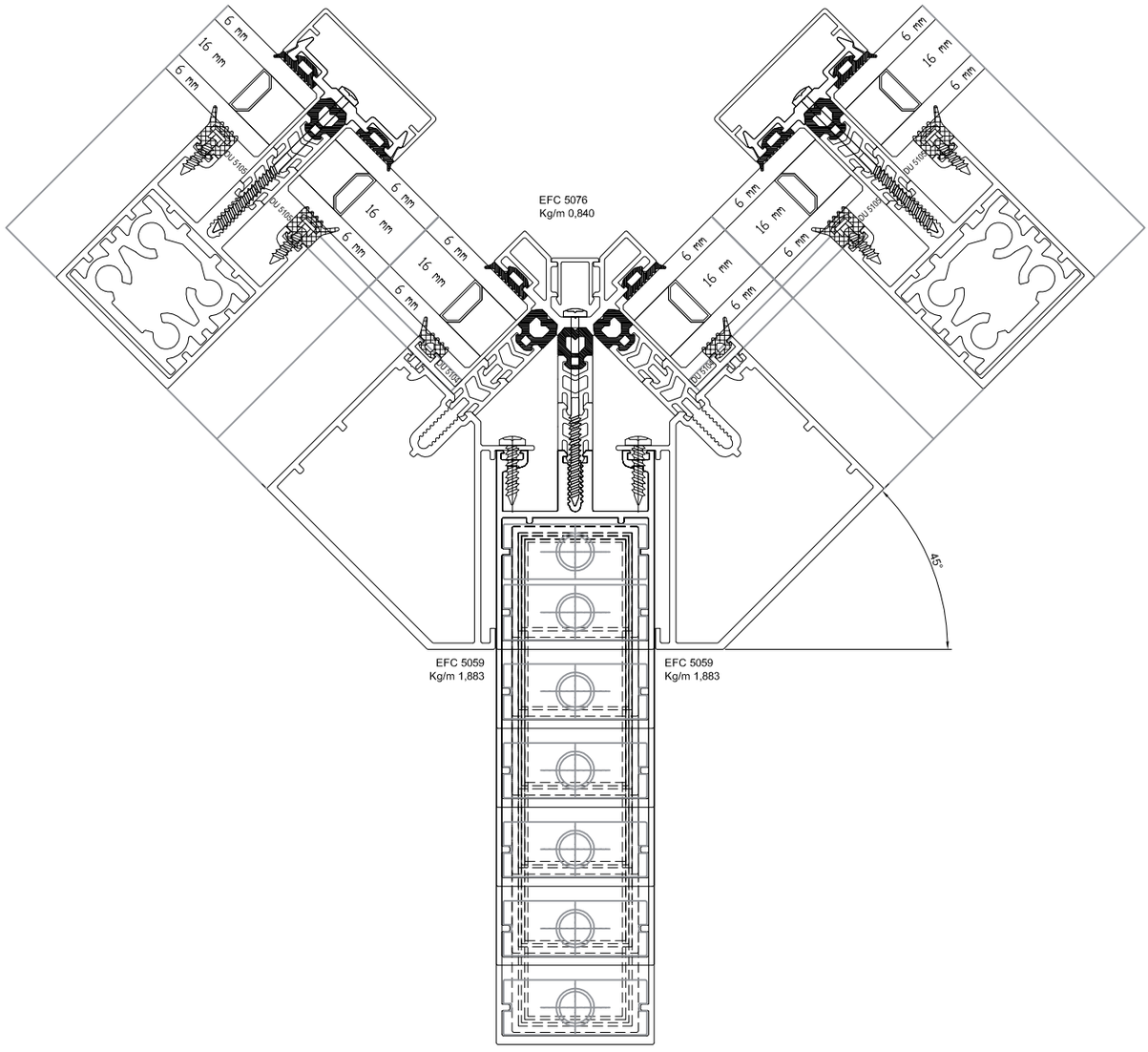

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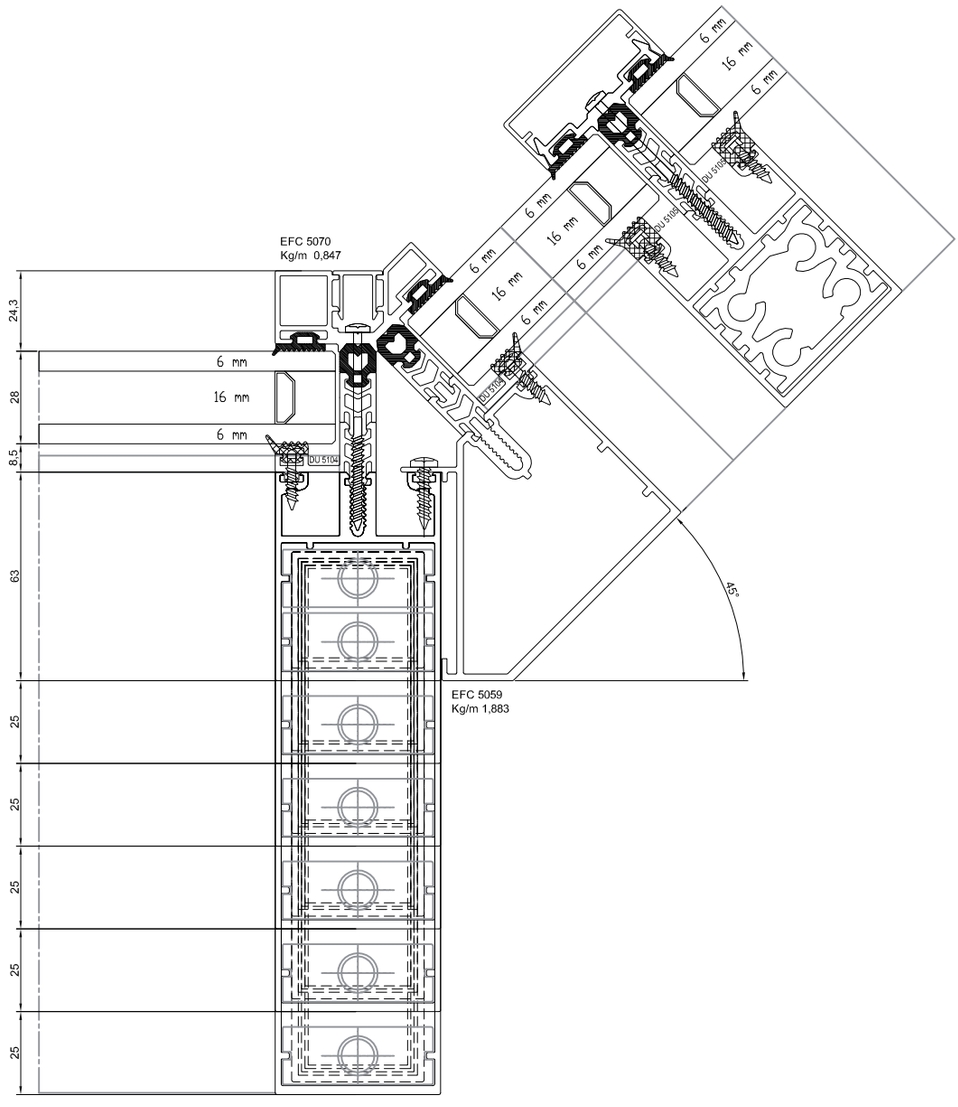

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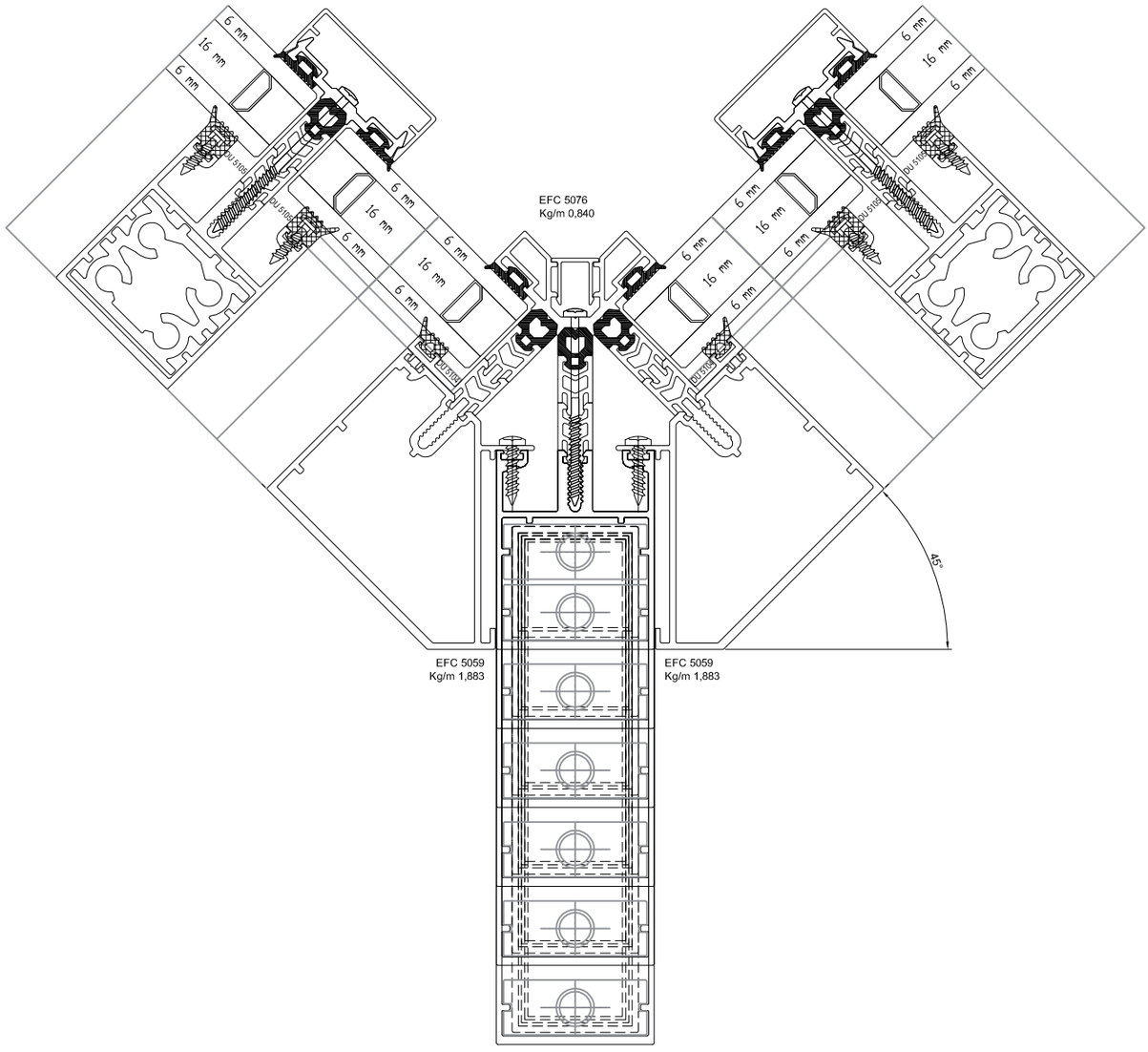

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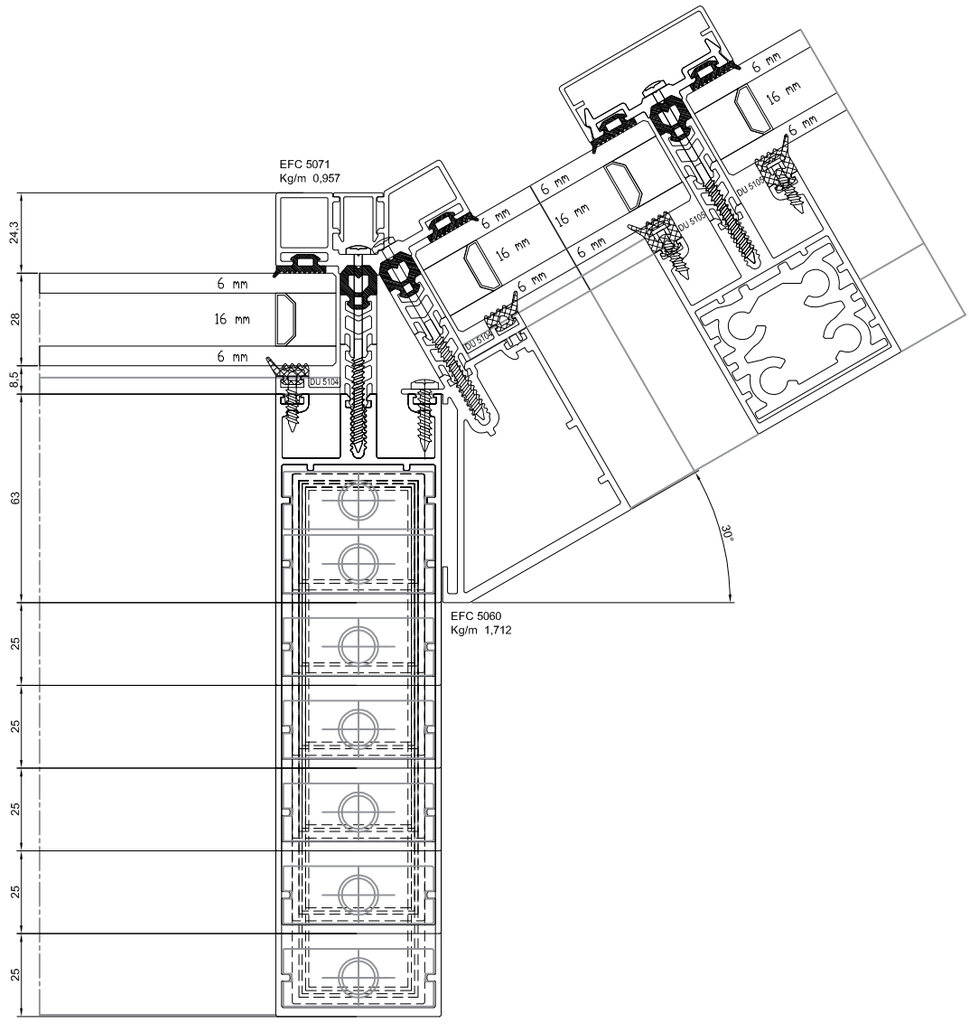

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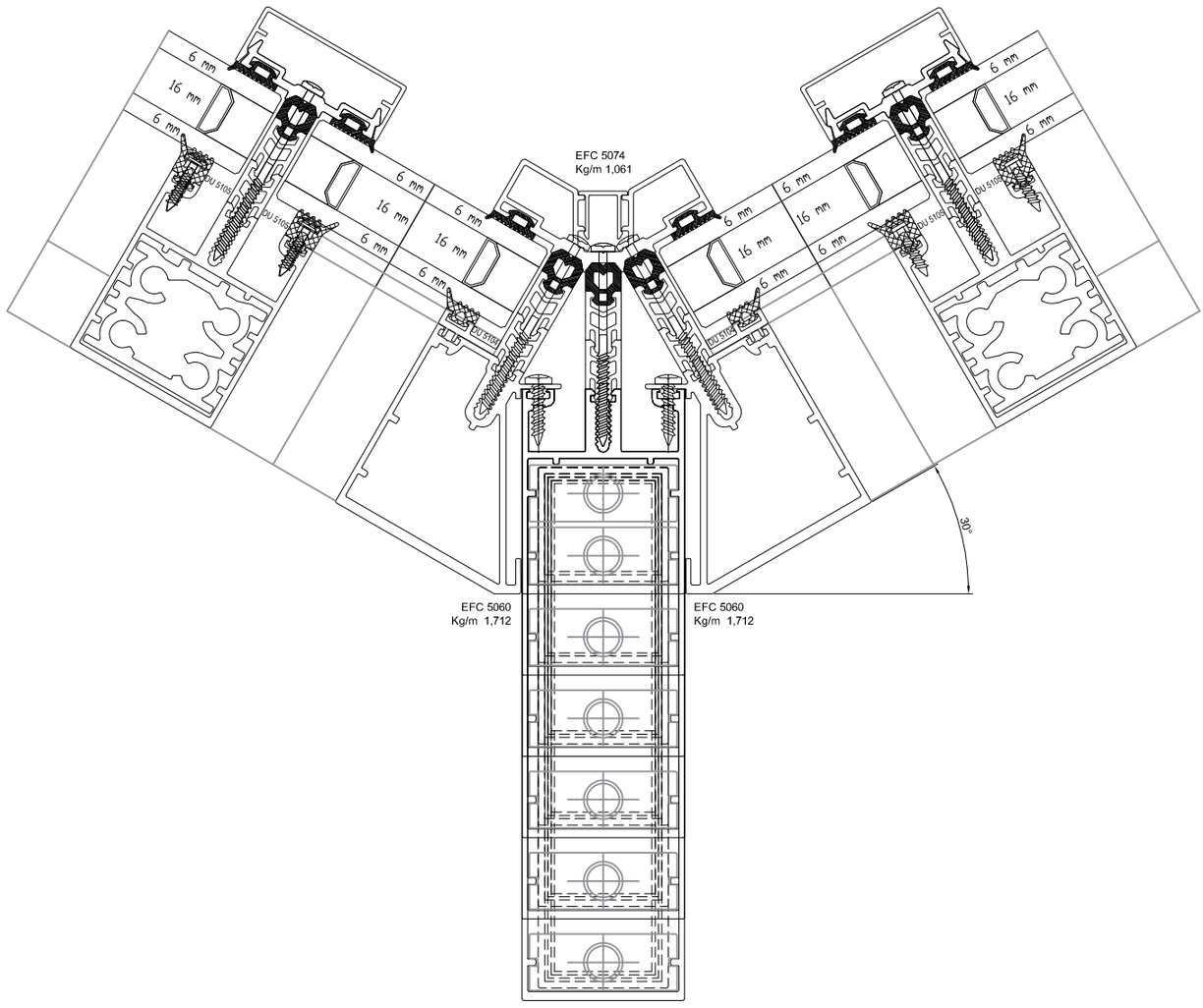

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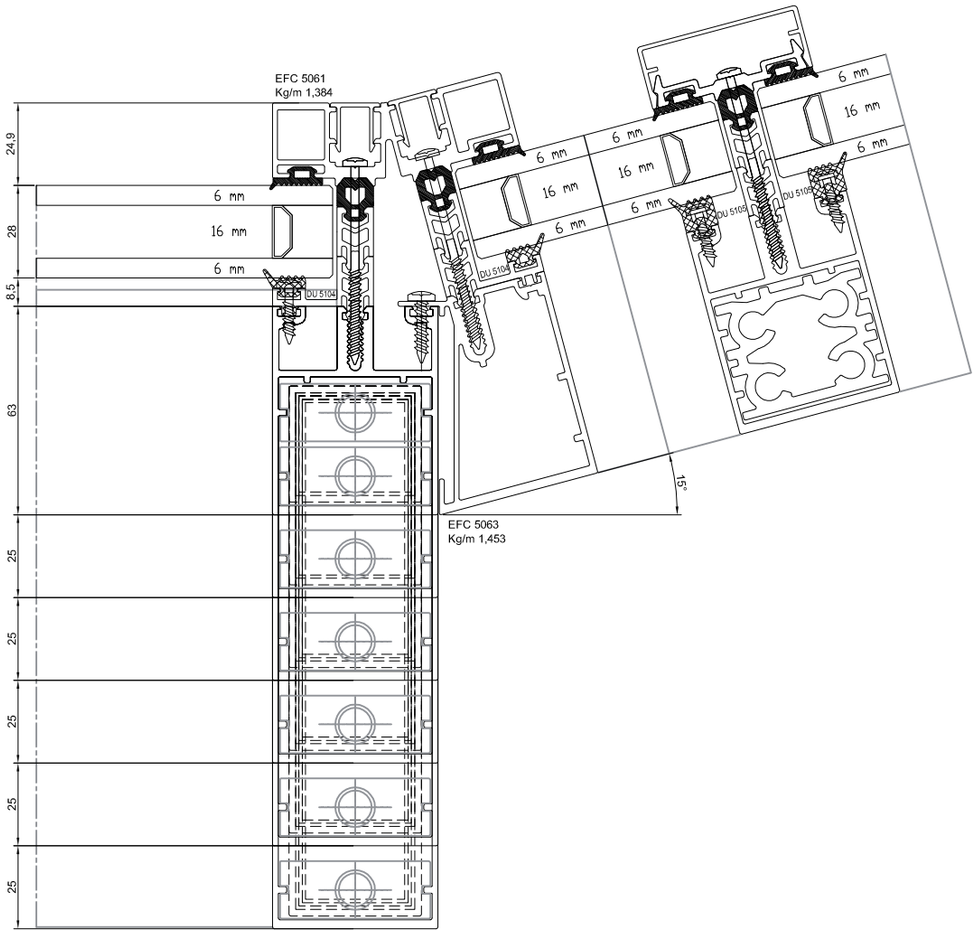

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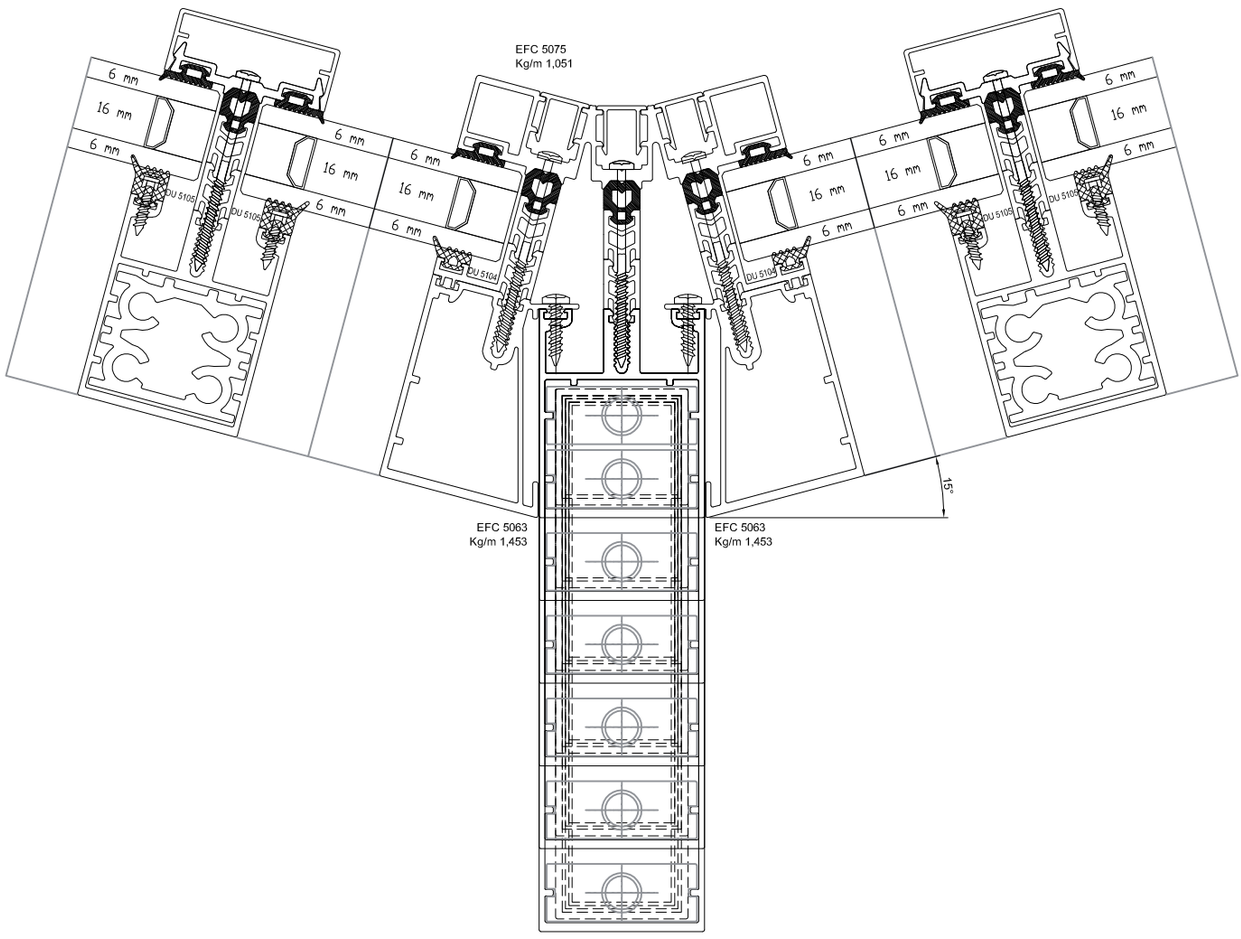

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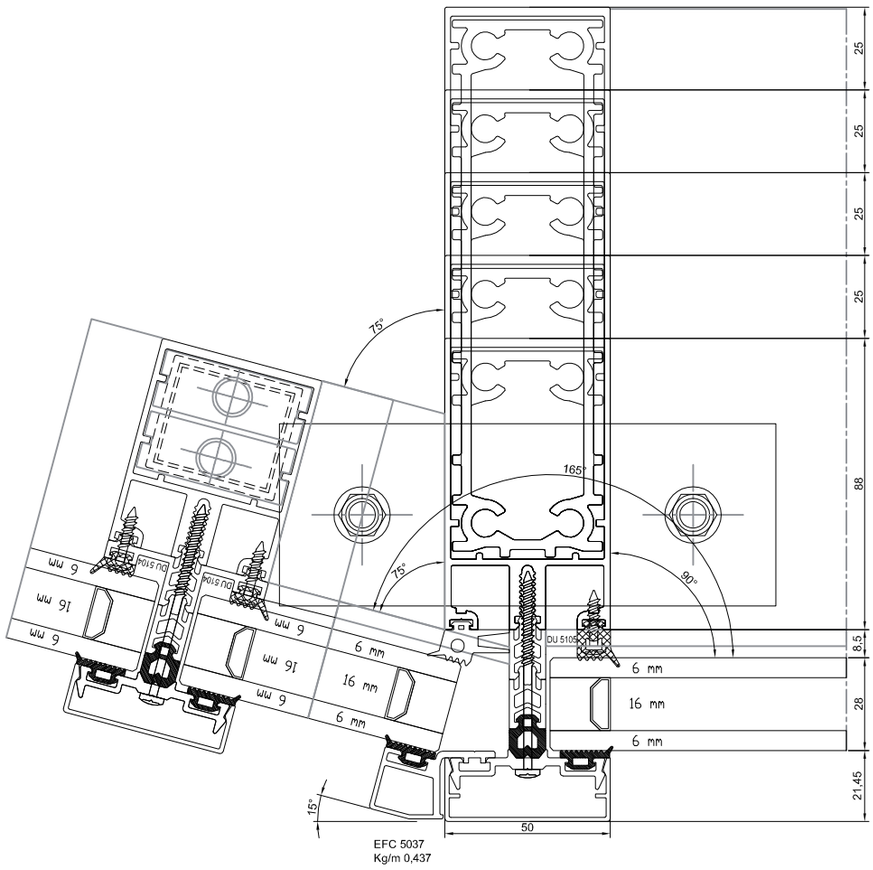

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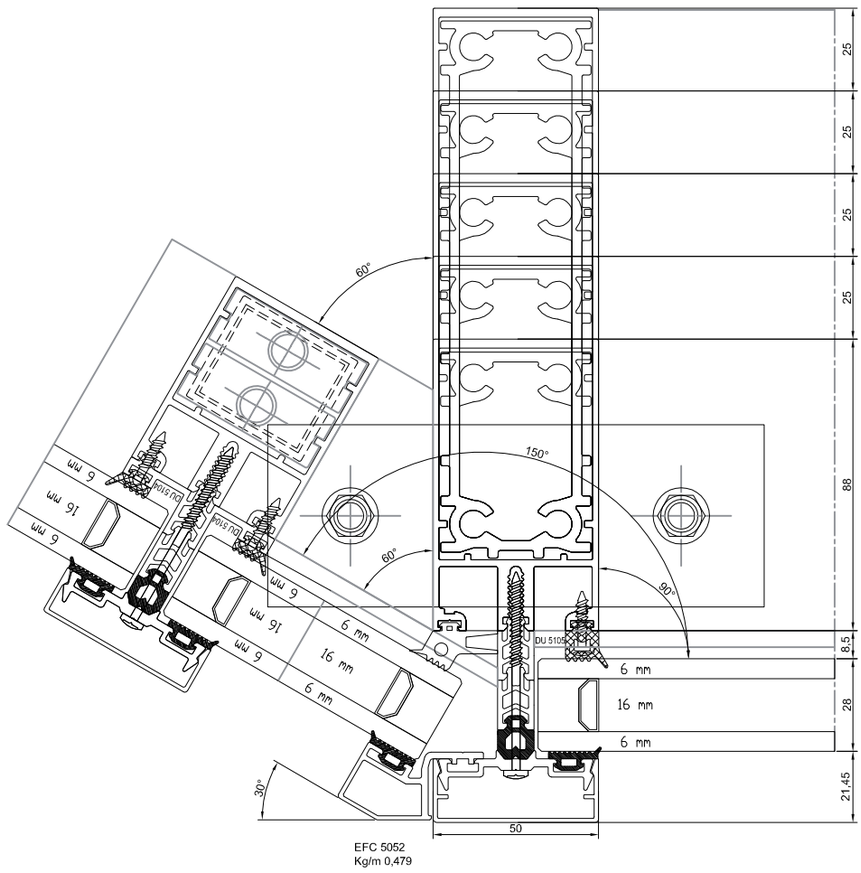
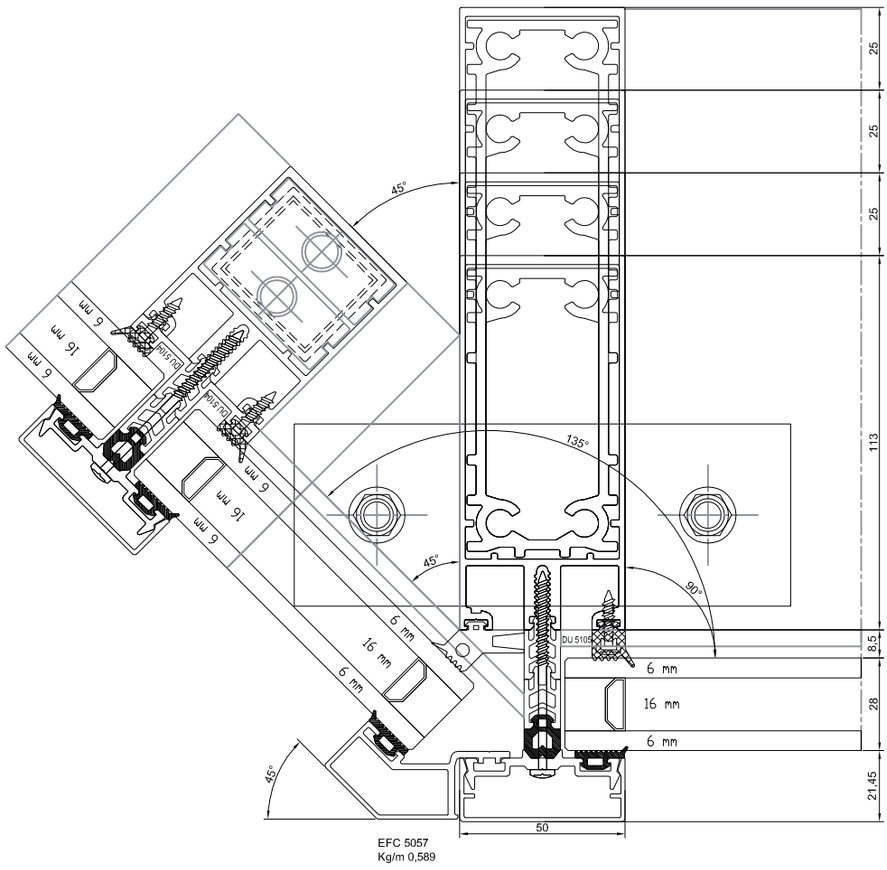


EFC 5052
Kg/m 0,479

SEZIONI IN SCALA 1:1



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Kg/m 0,589

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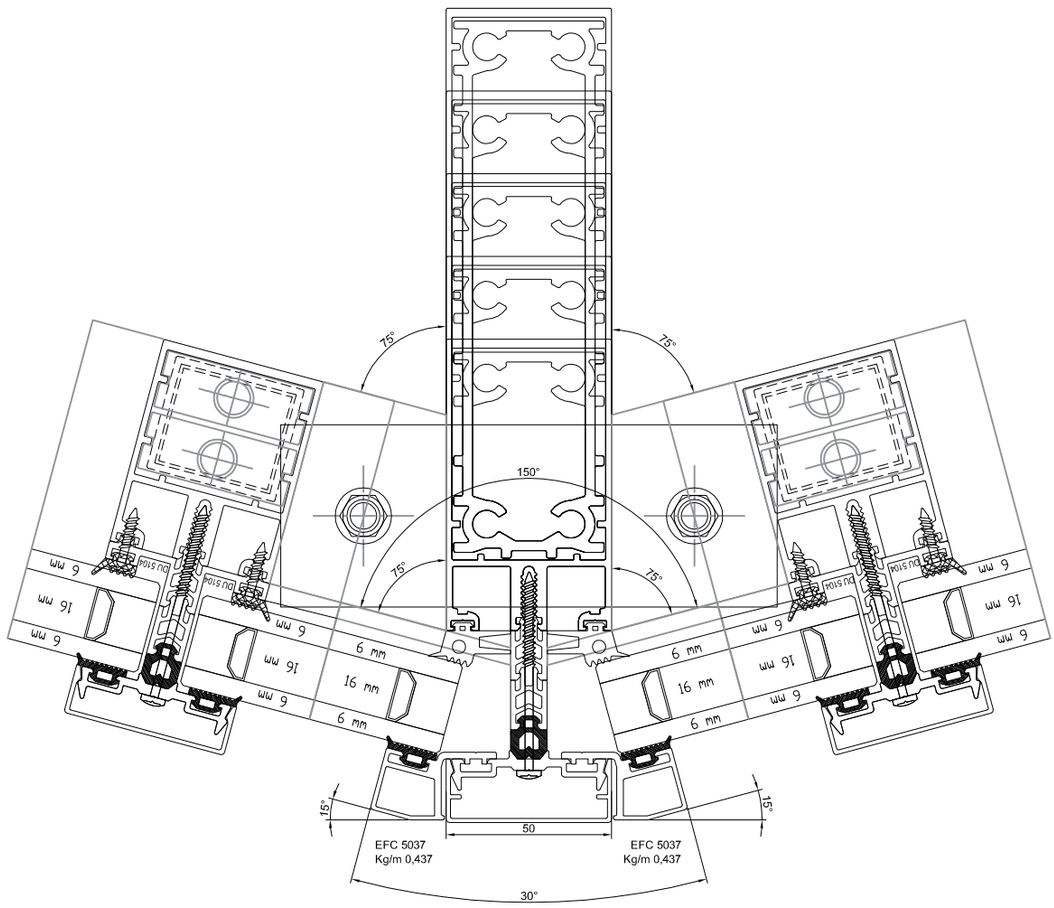

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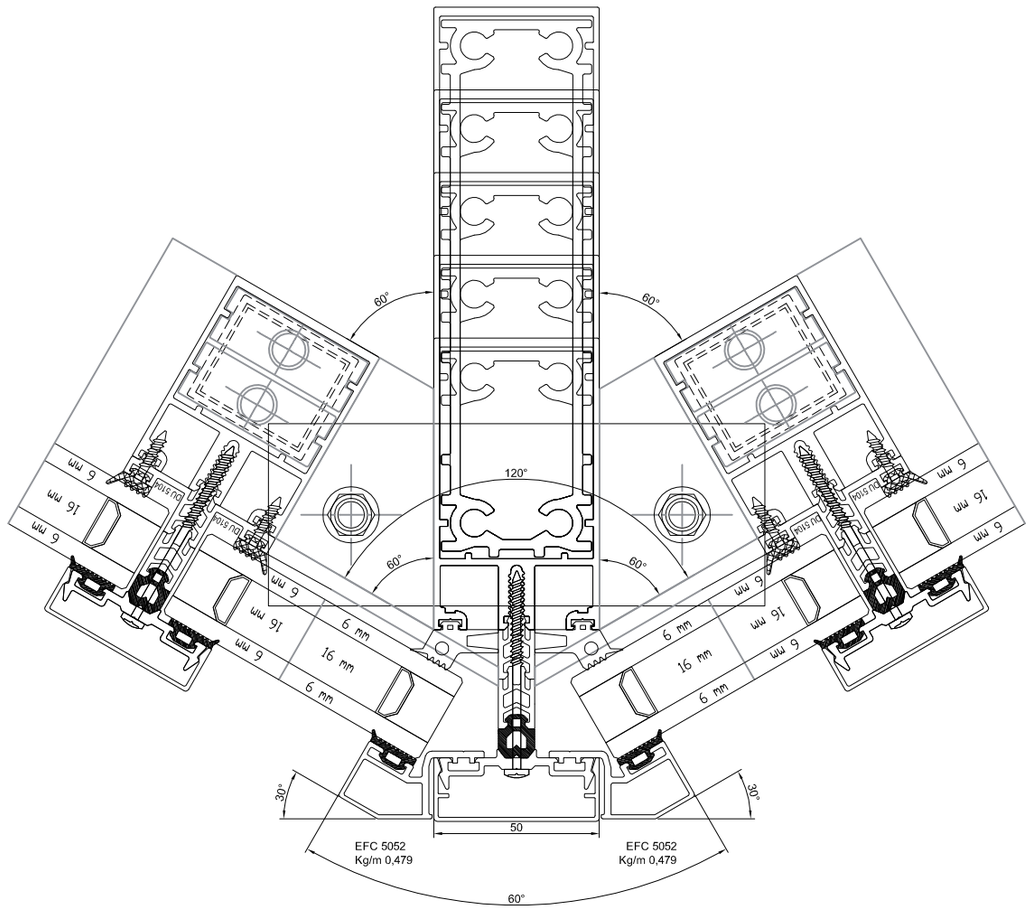

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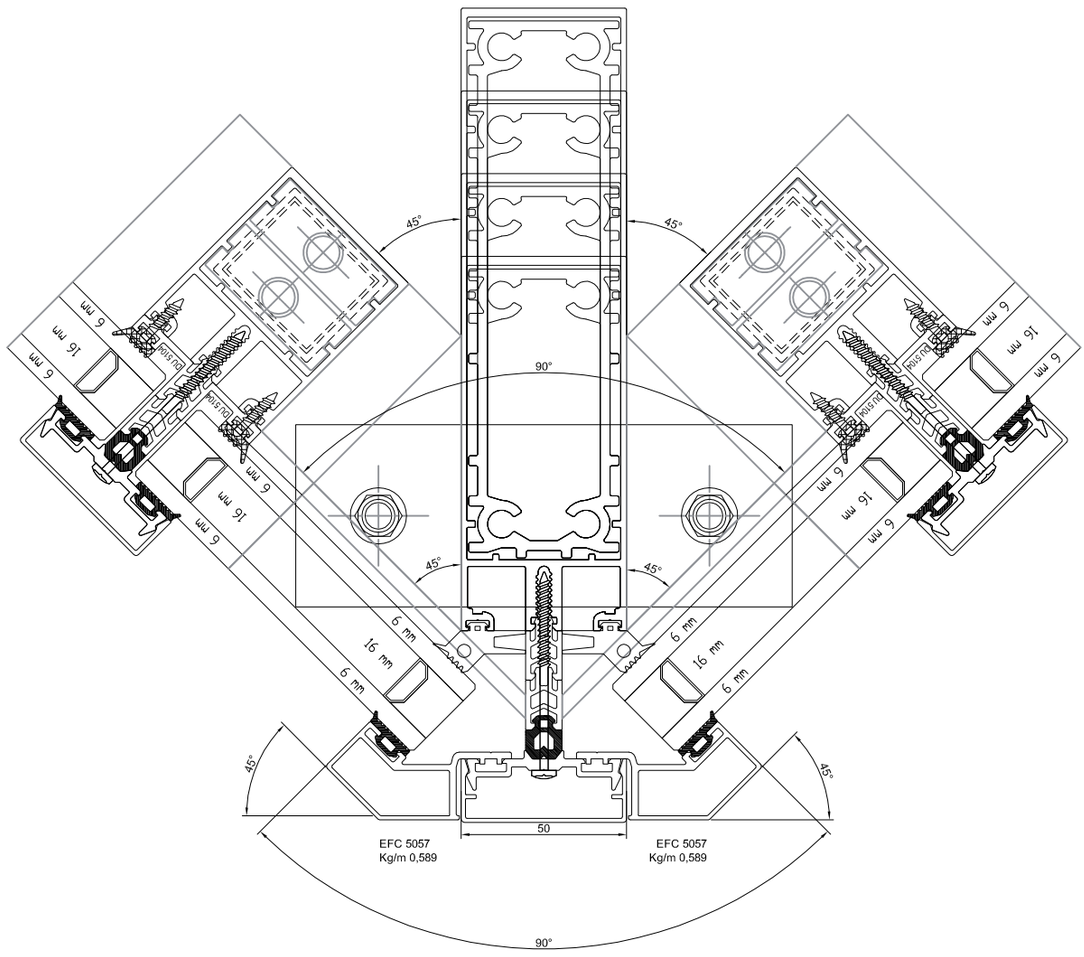

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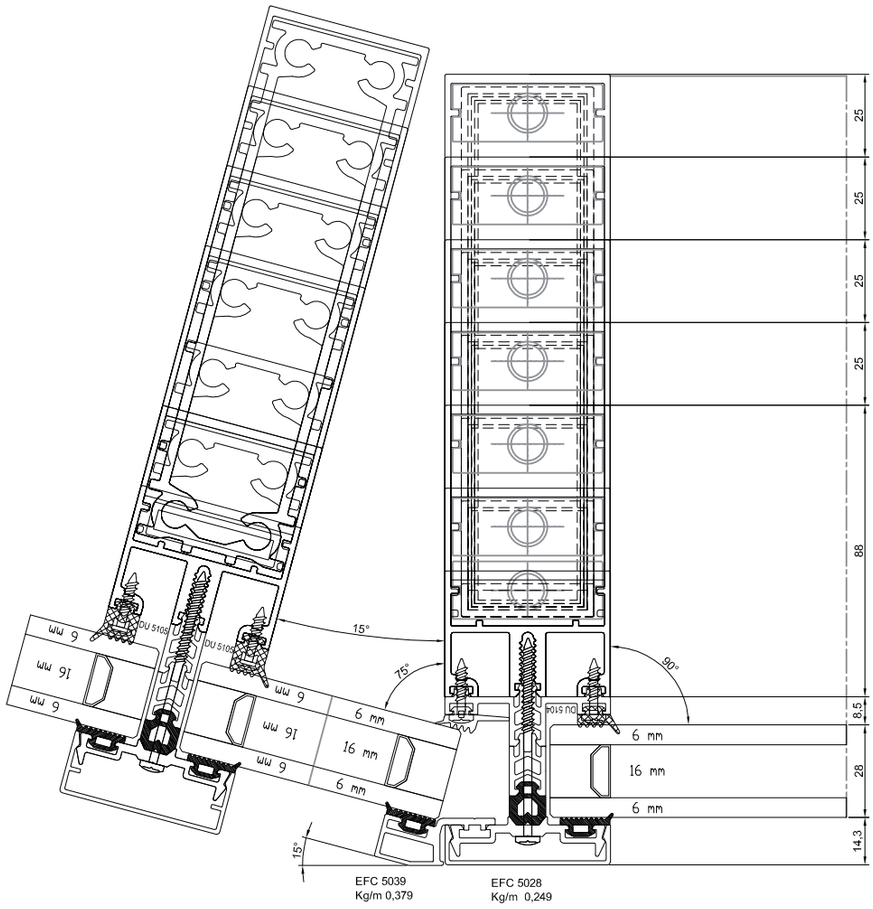

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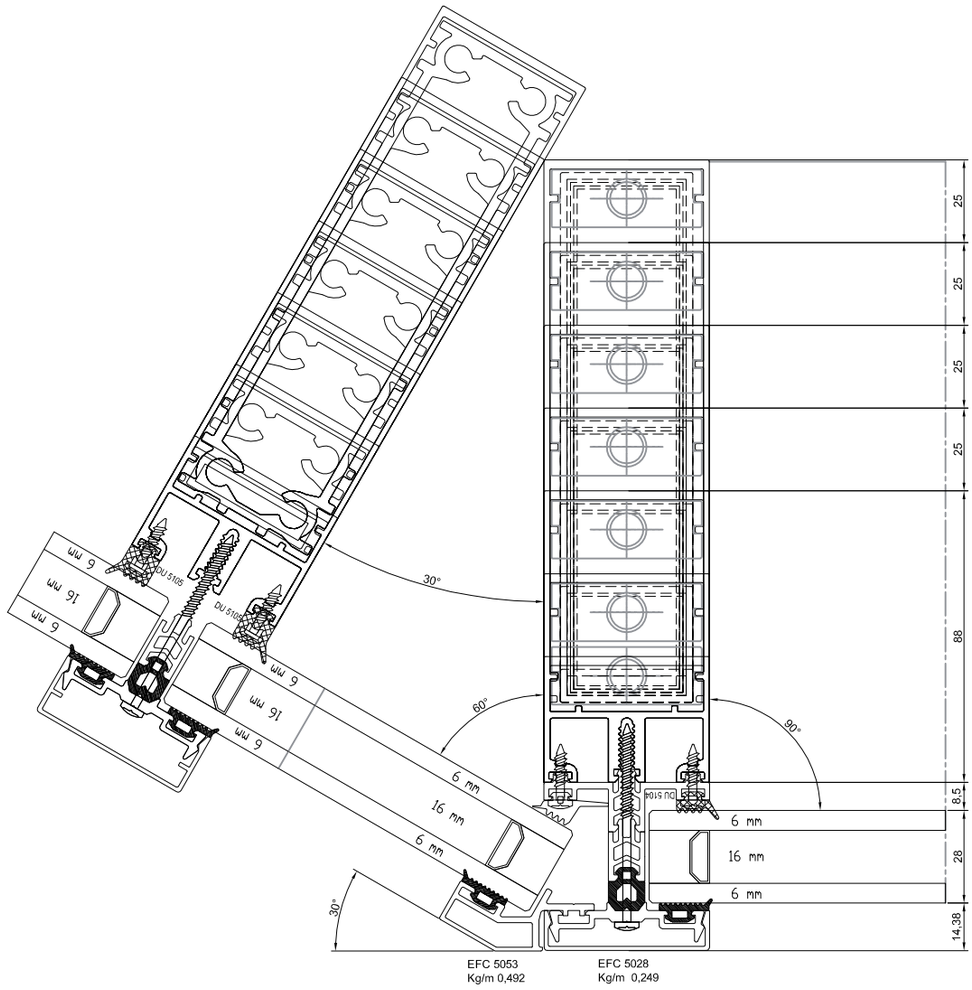

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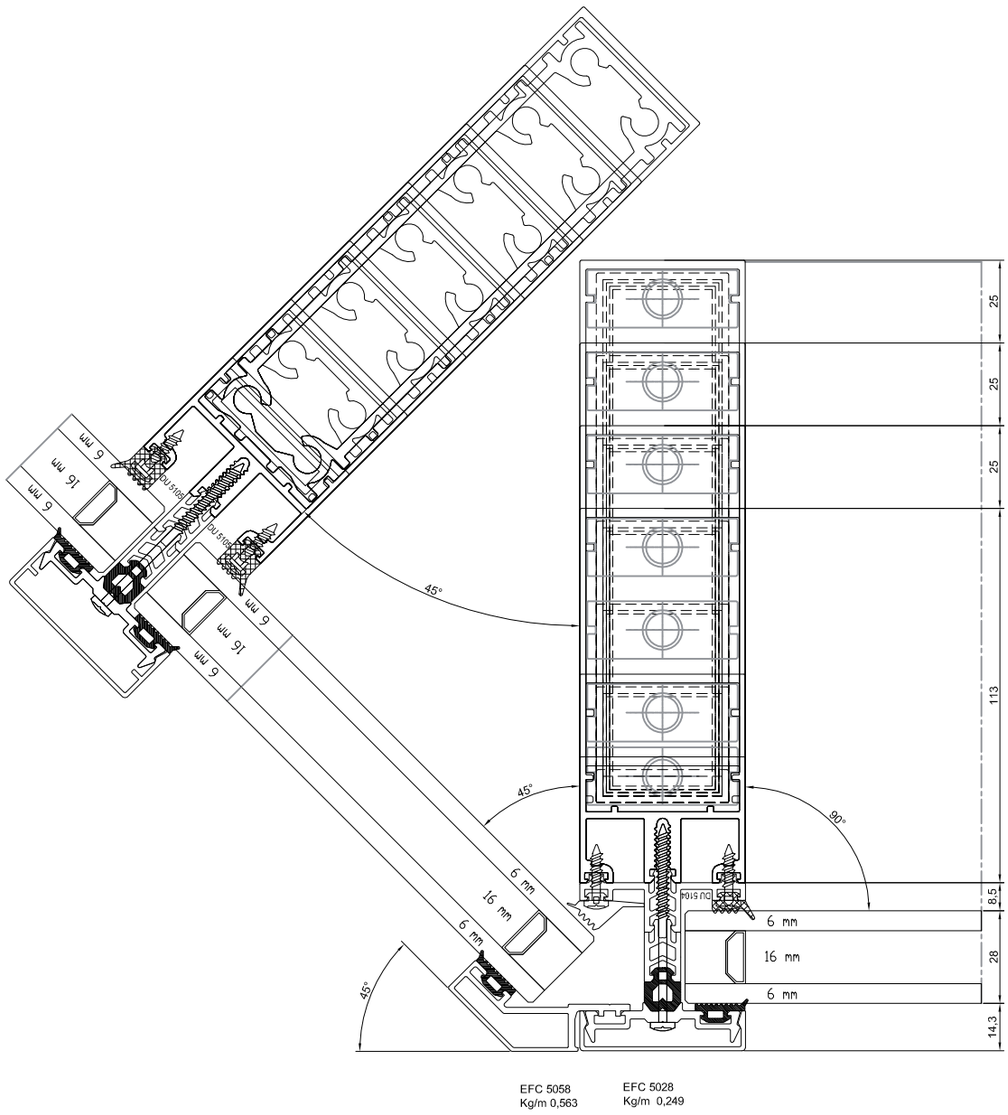
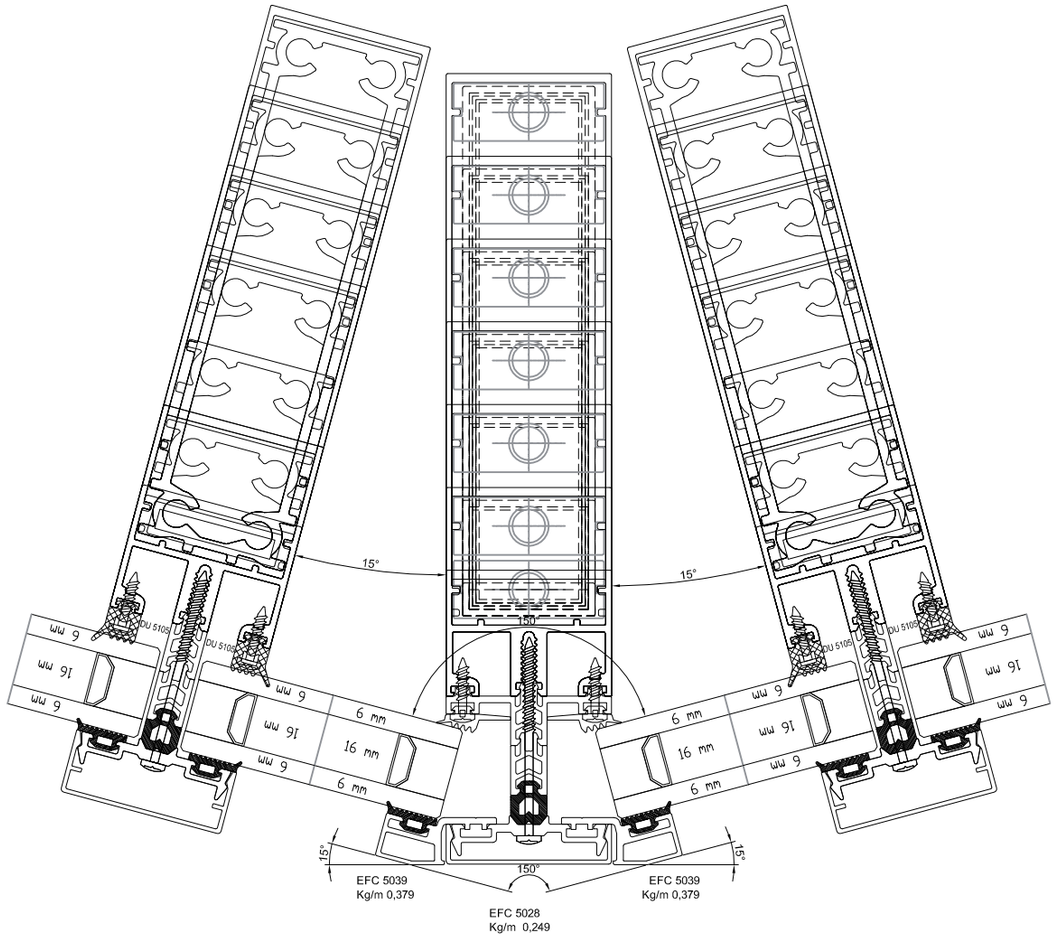


EFC 5058
Kg/m 0,563

EFC 5028
Kg/m 0,249

SEZIONI IN SCALA 1:1



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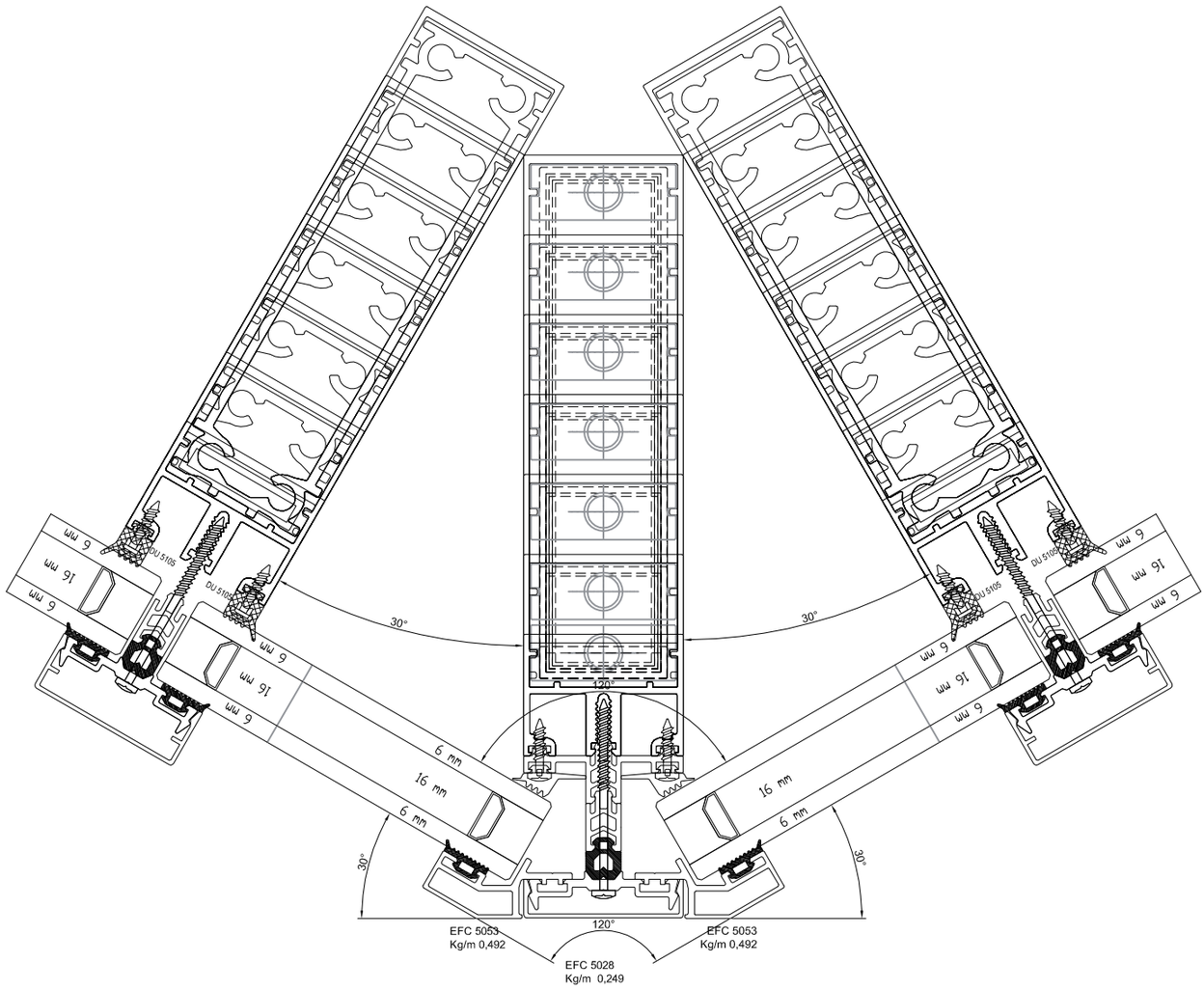

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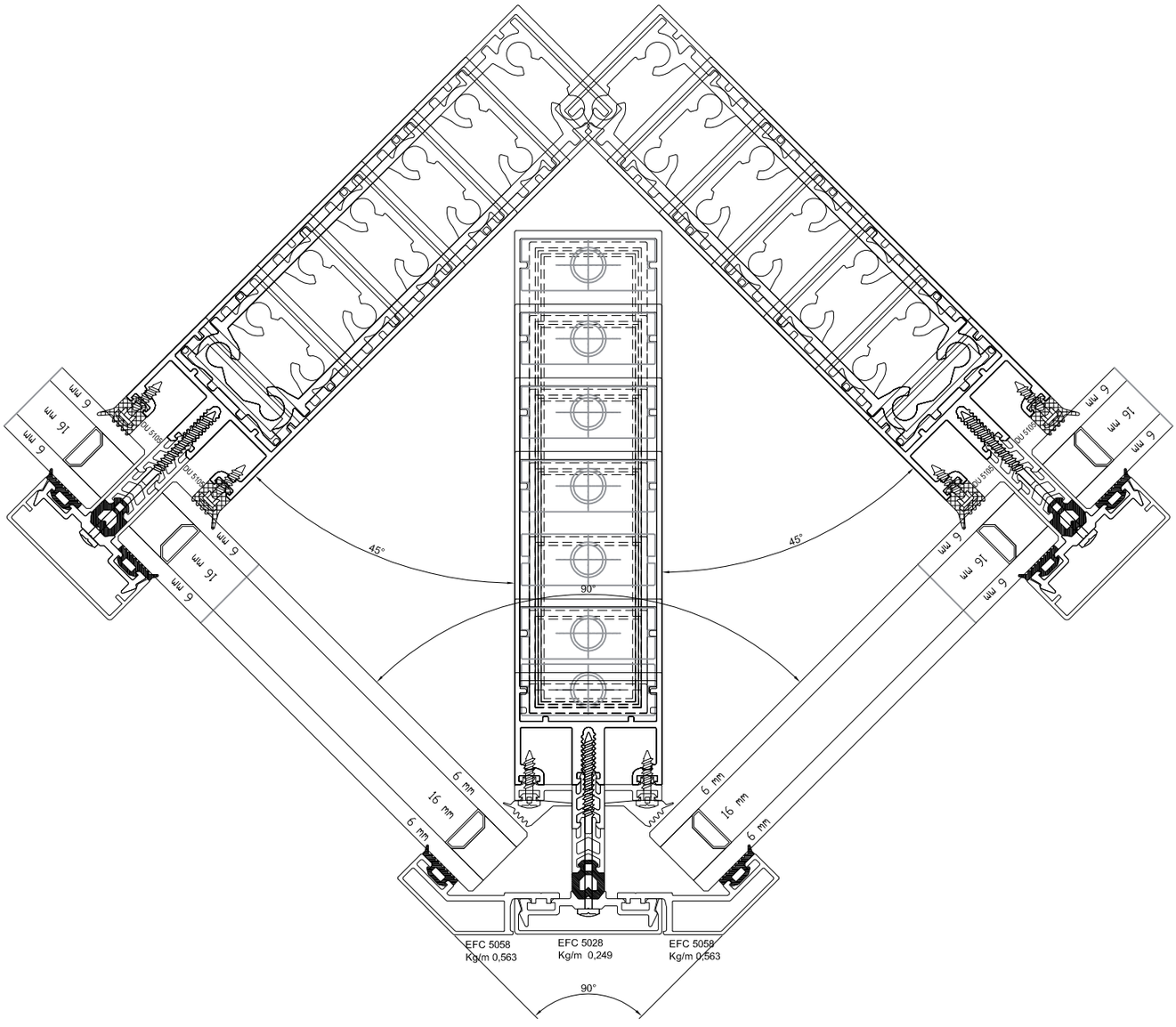

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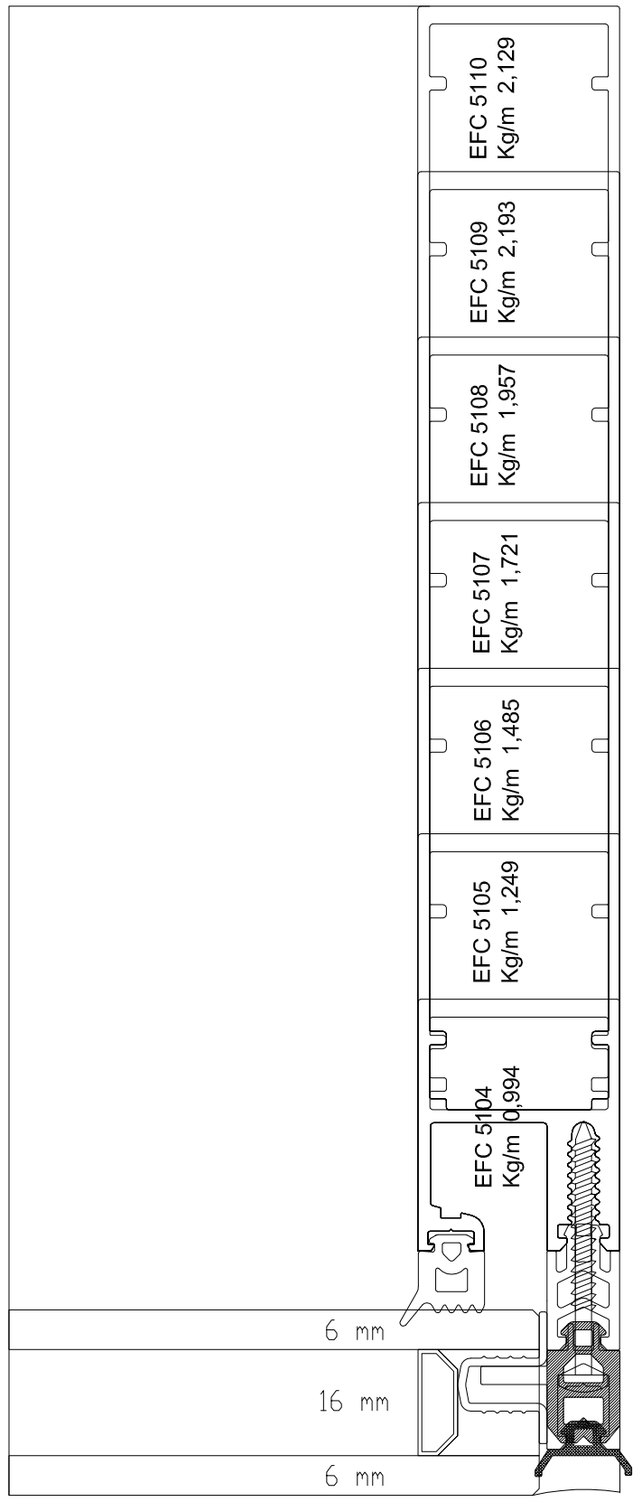

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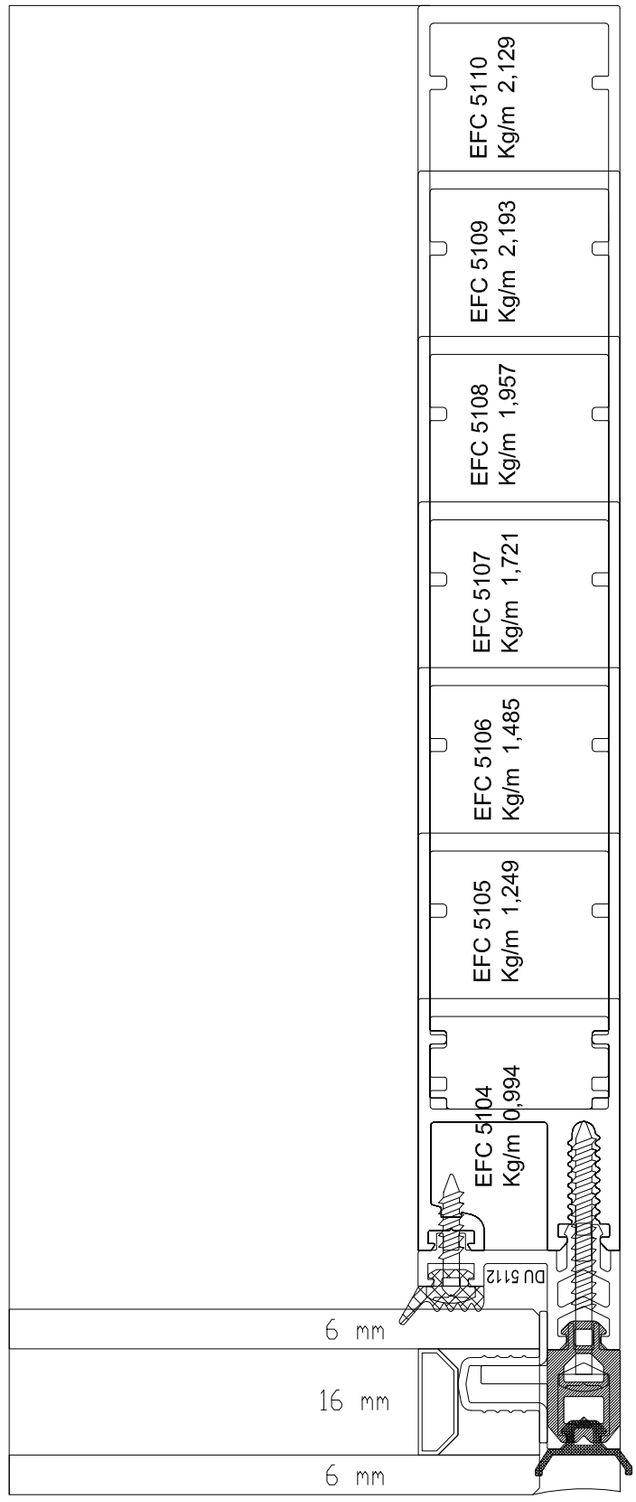

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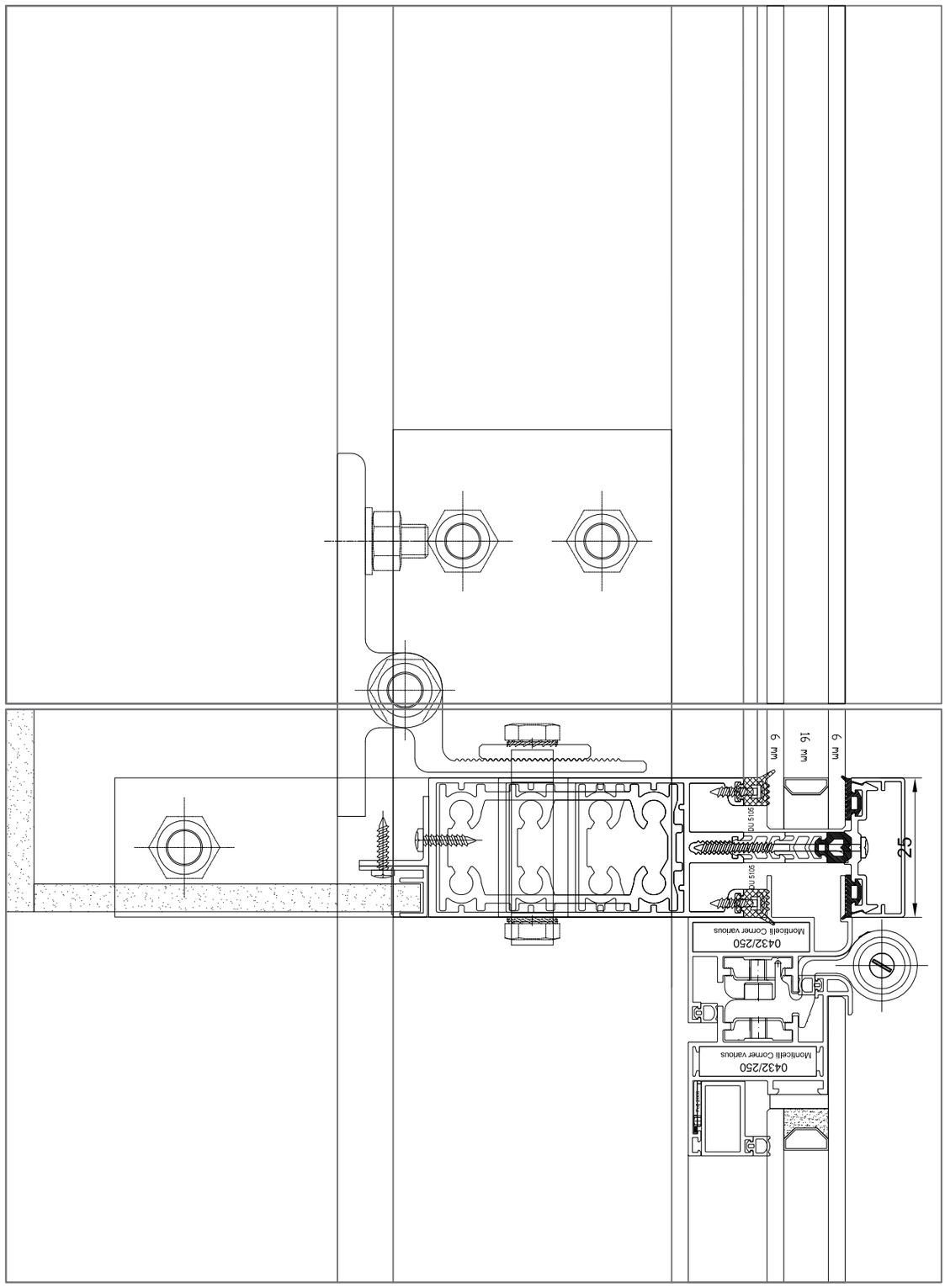

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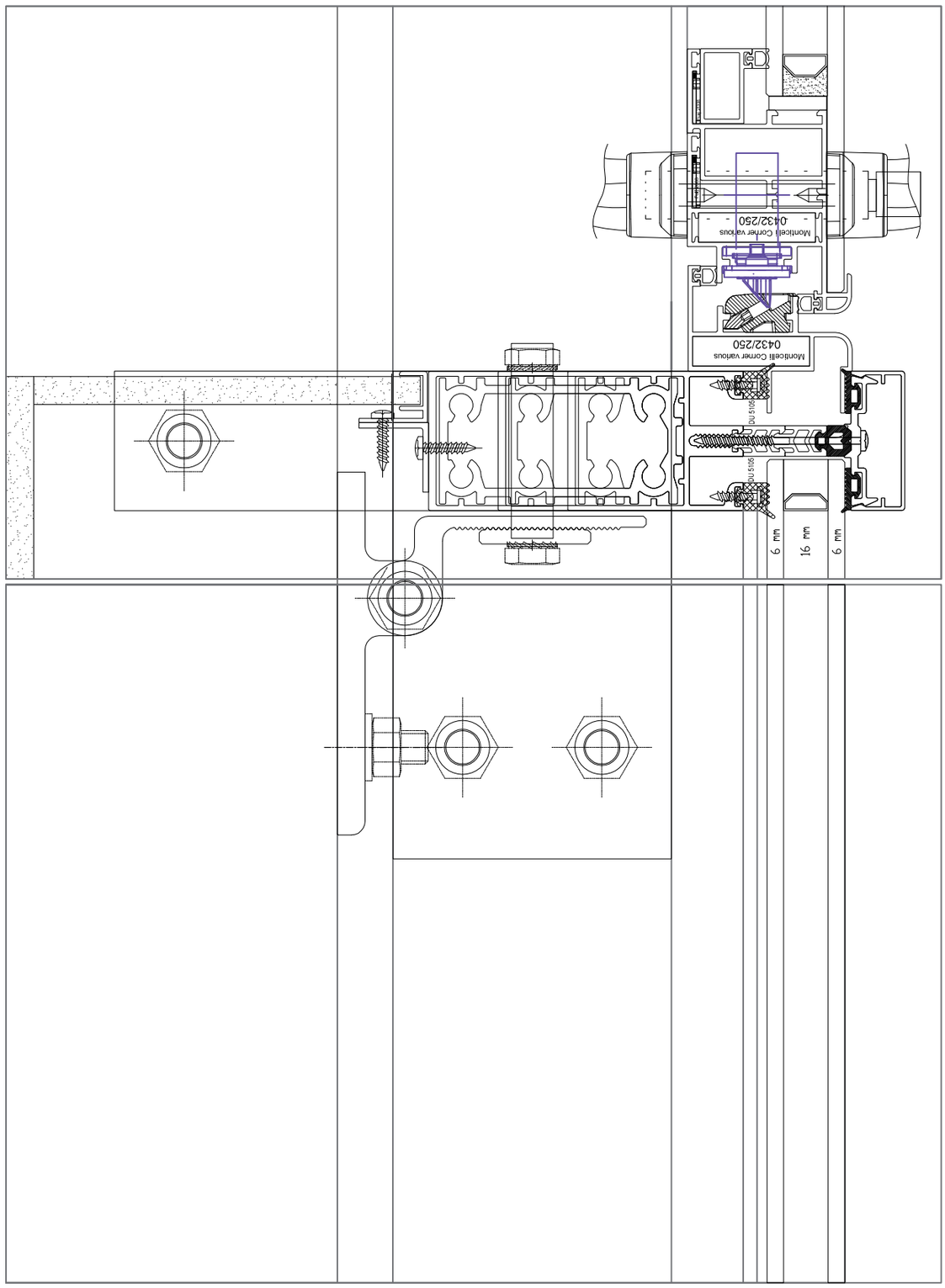

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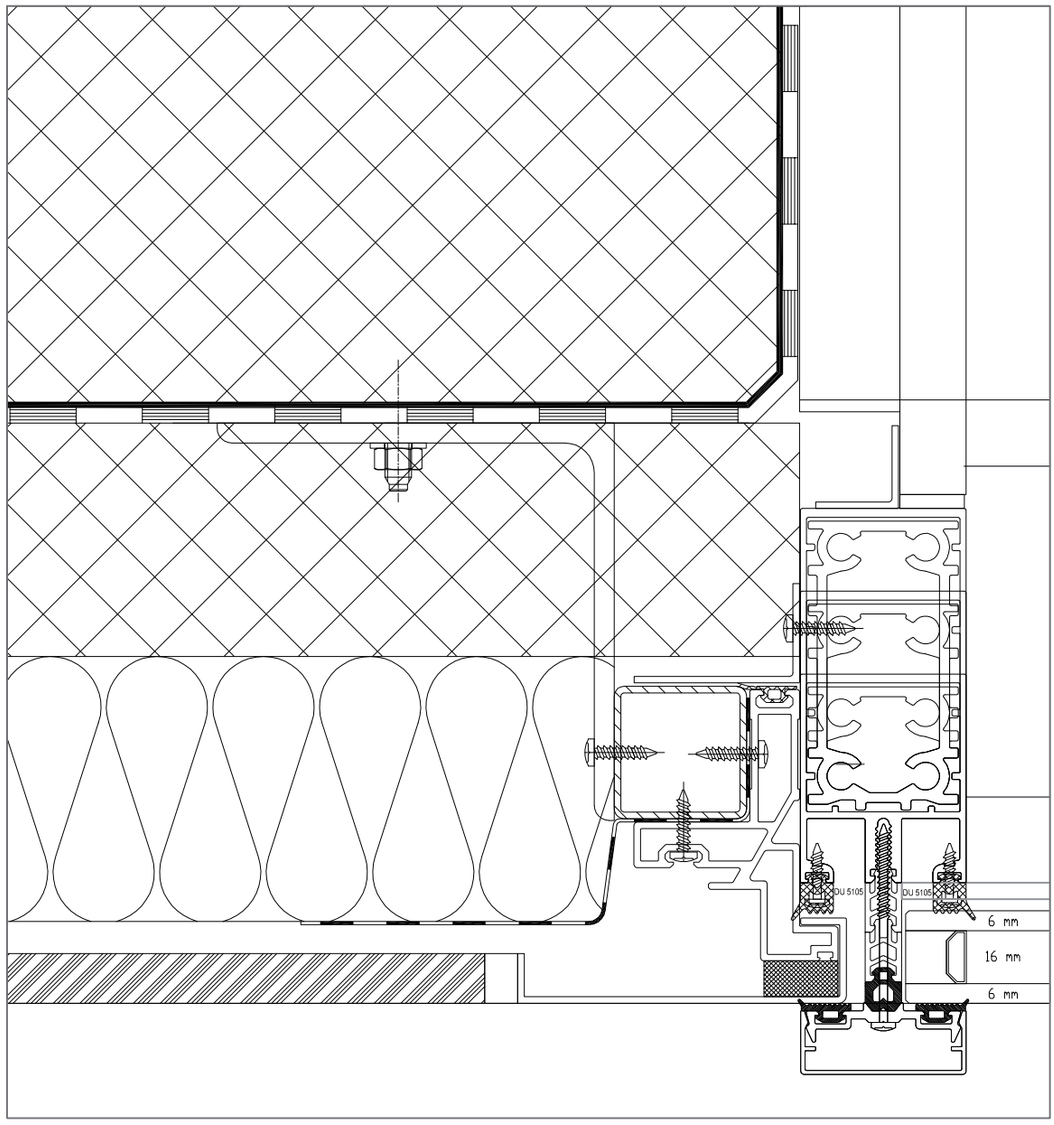
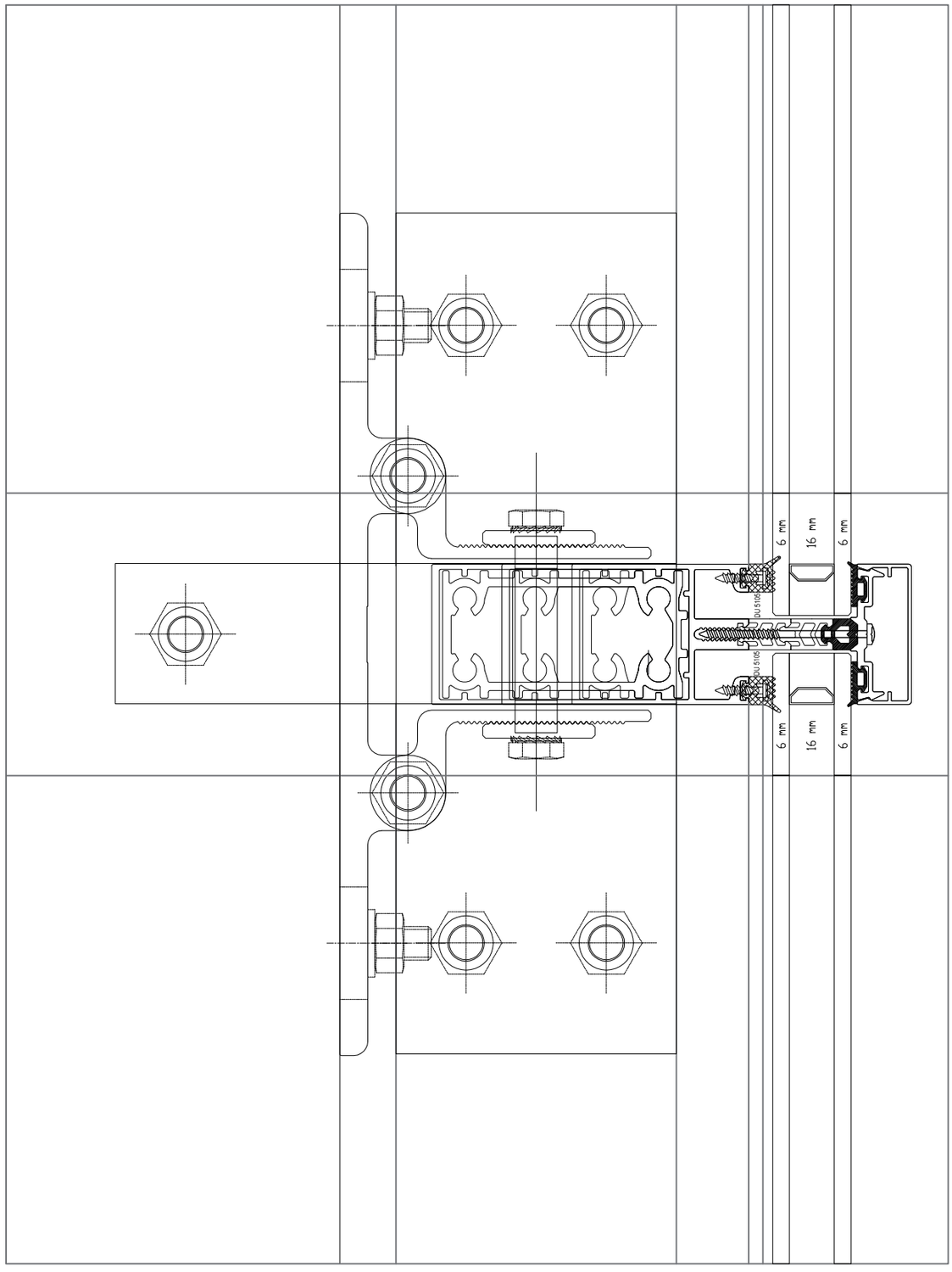


SEZIONI IN SCALA 1:1



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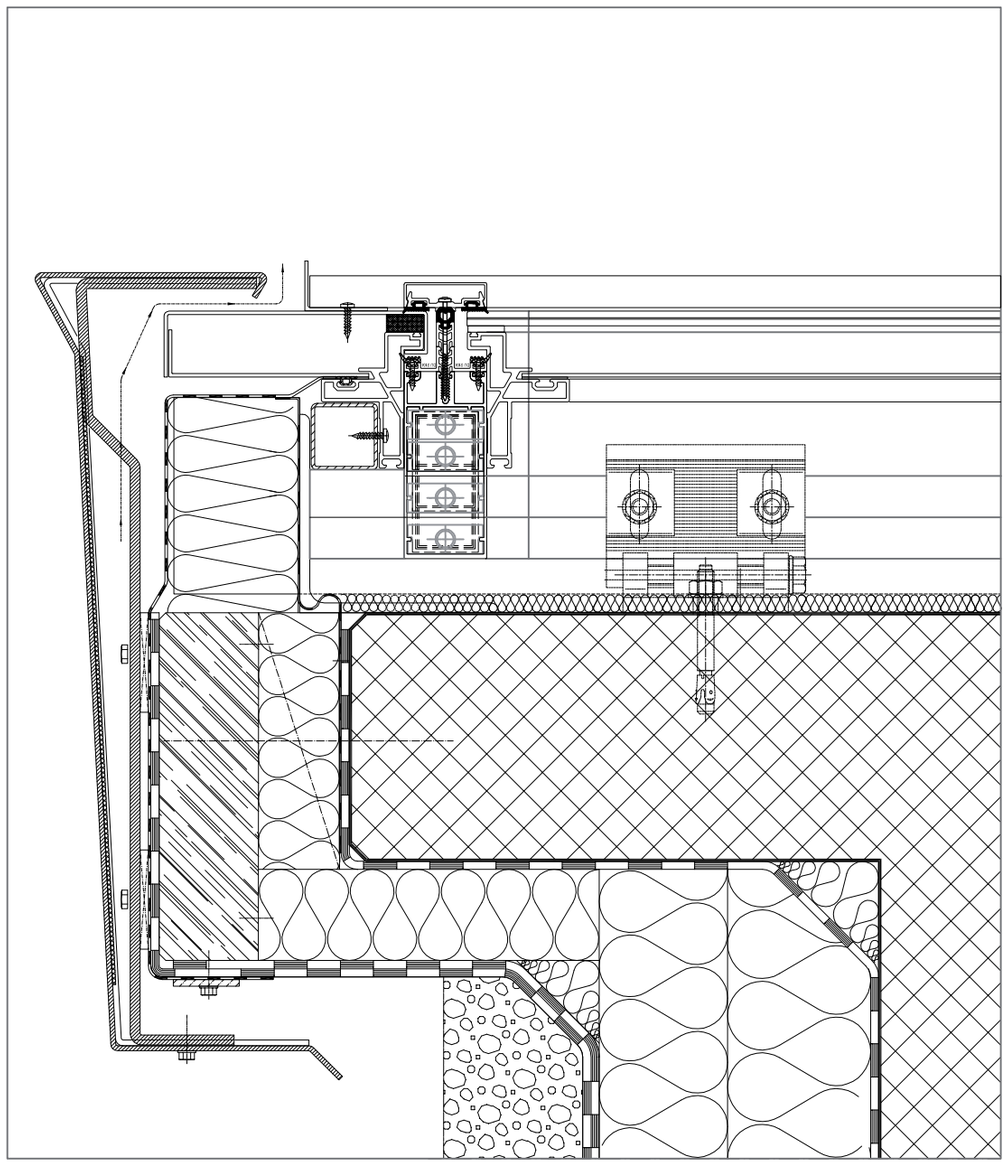

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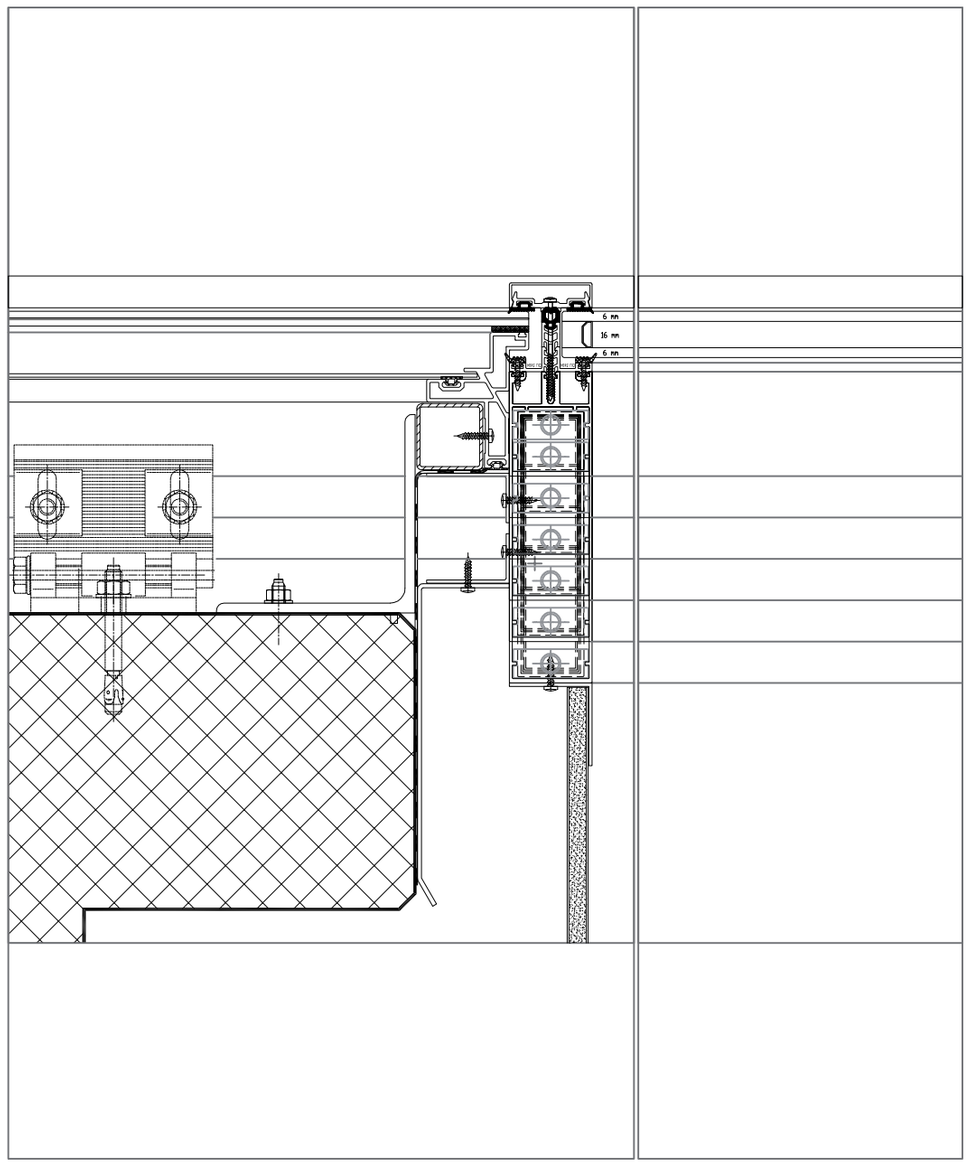

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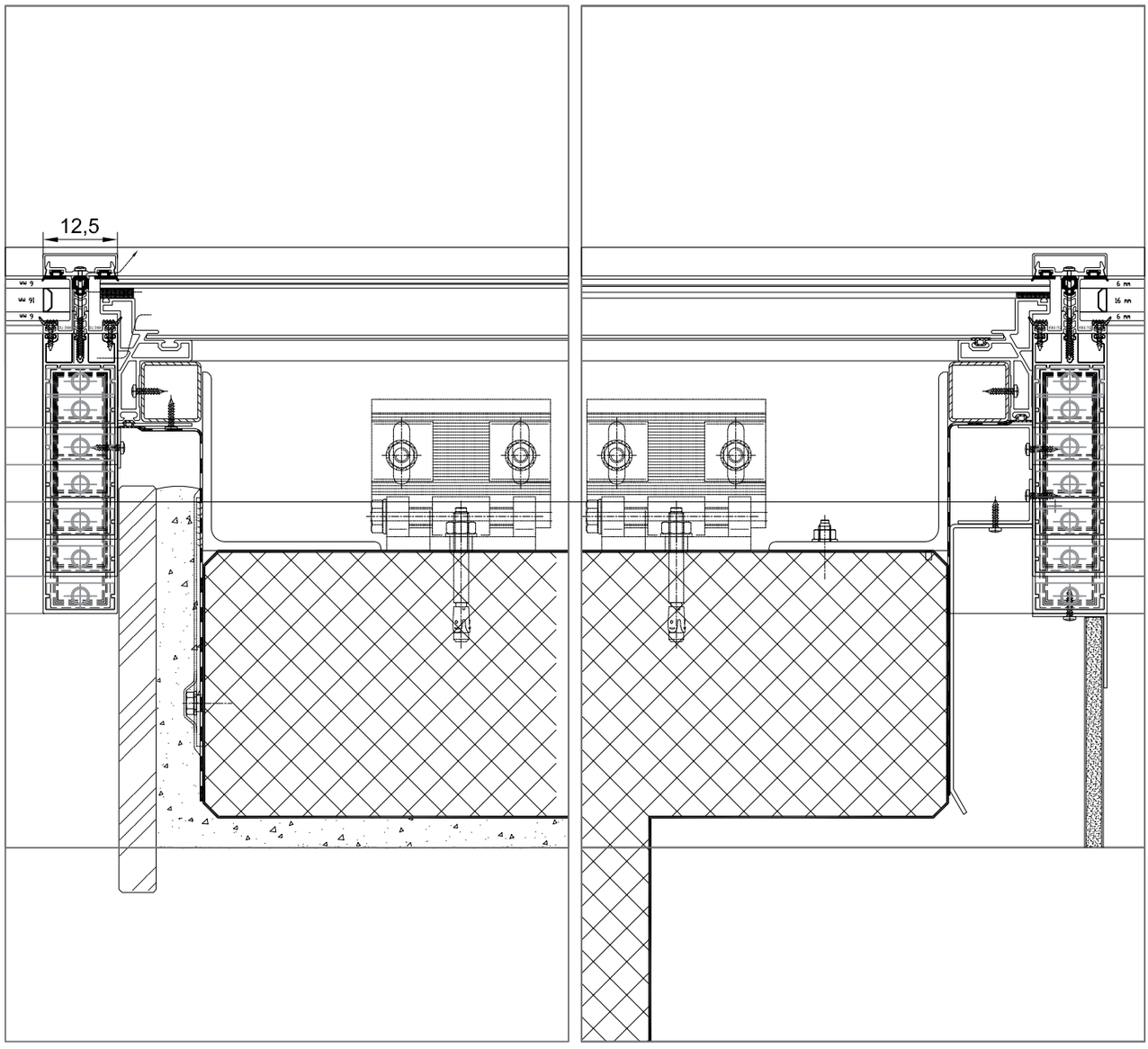

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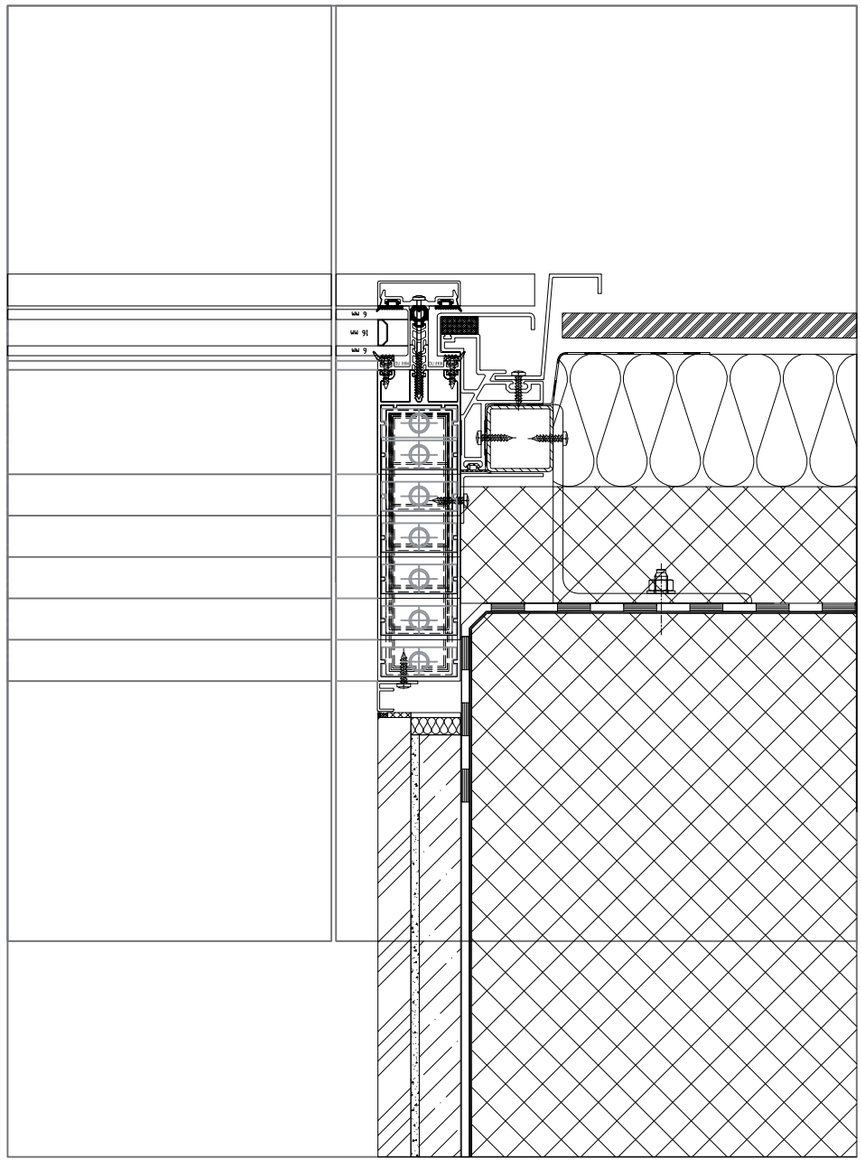

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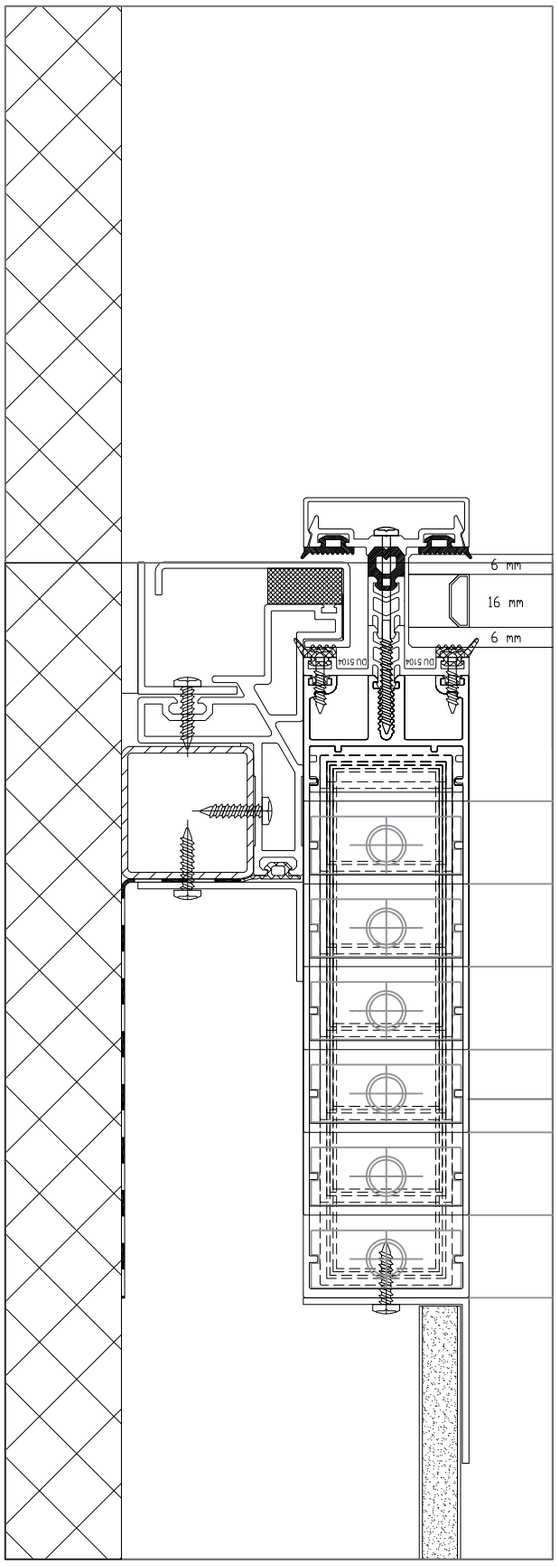

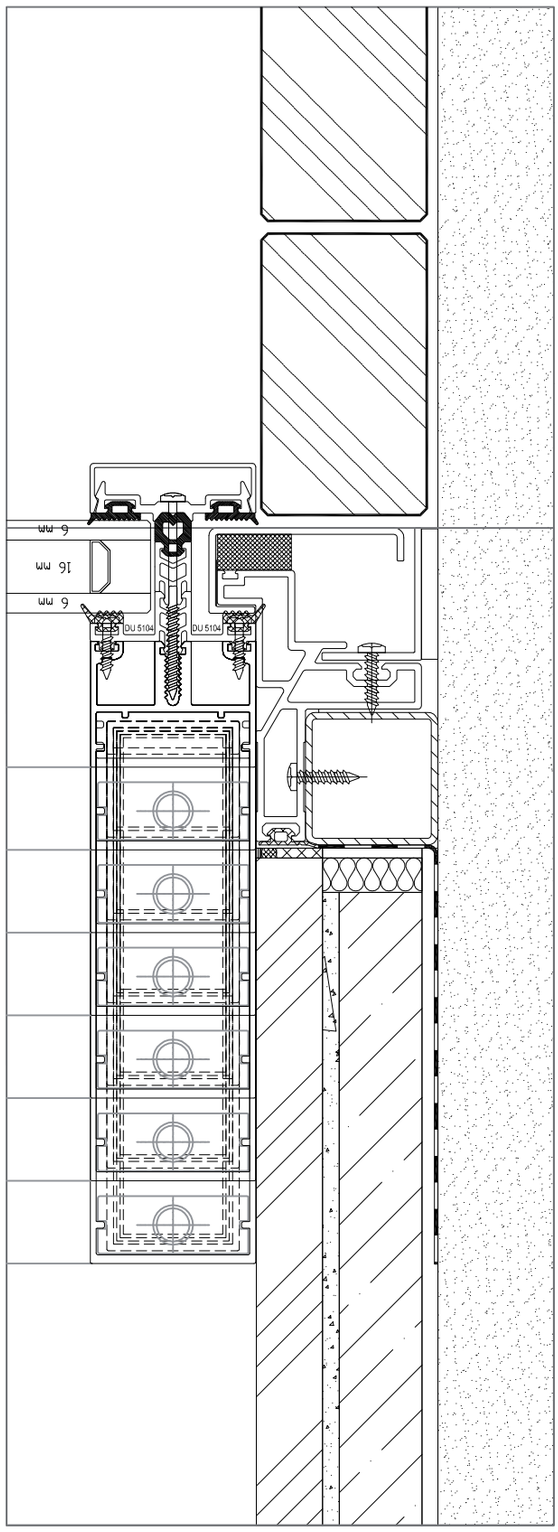

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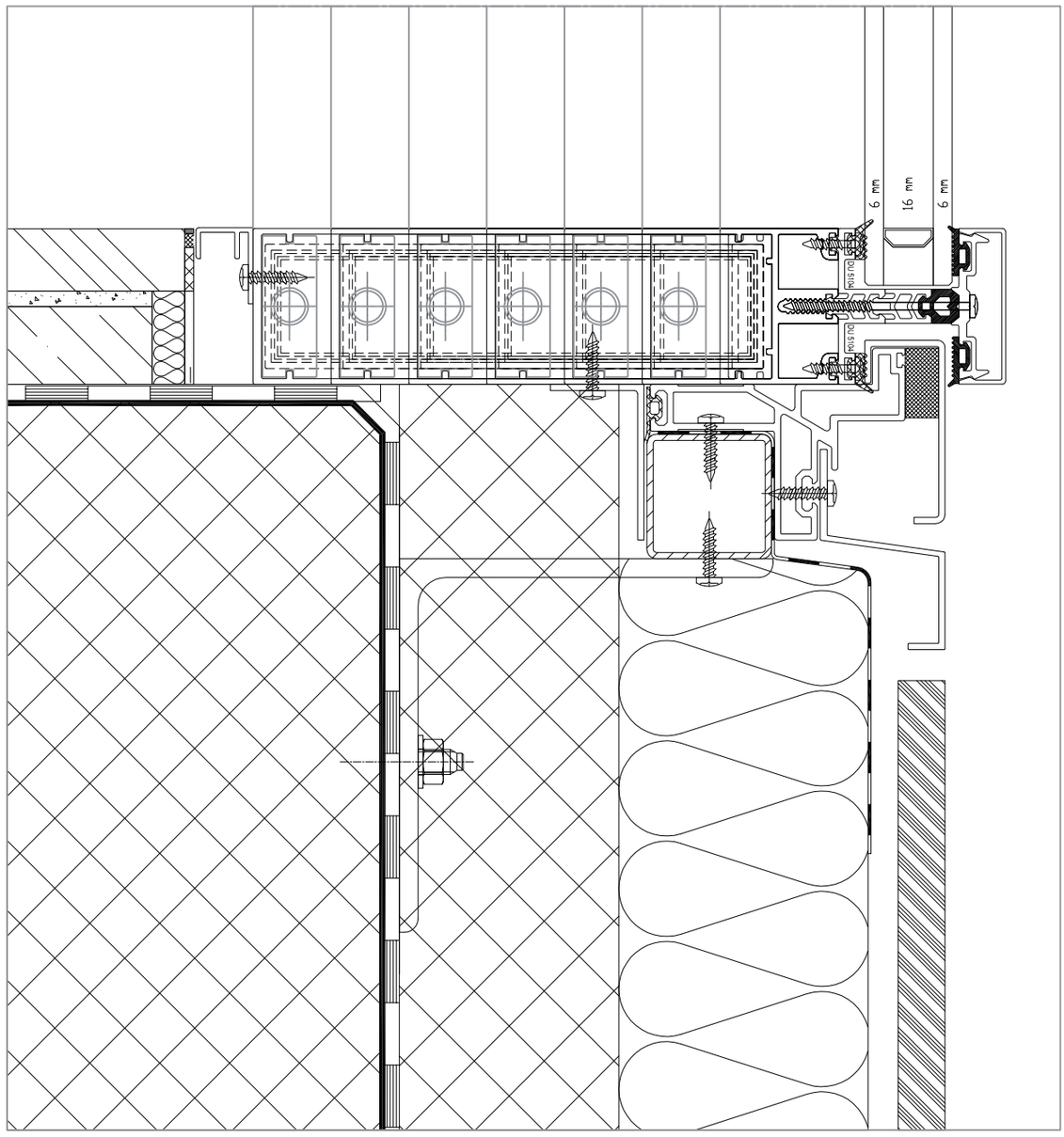

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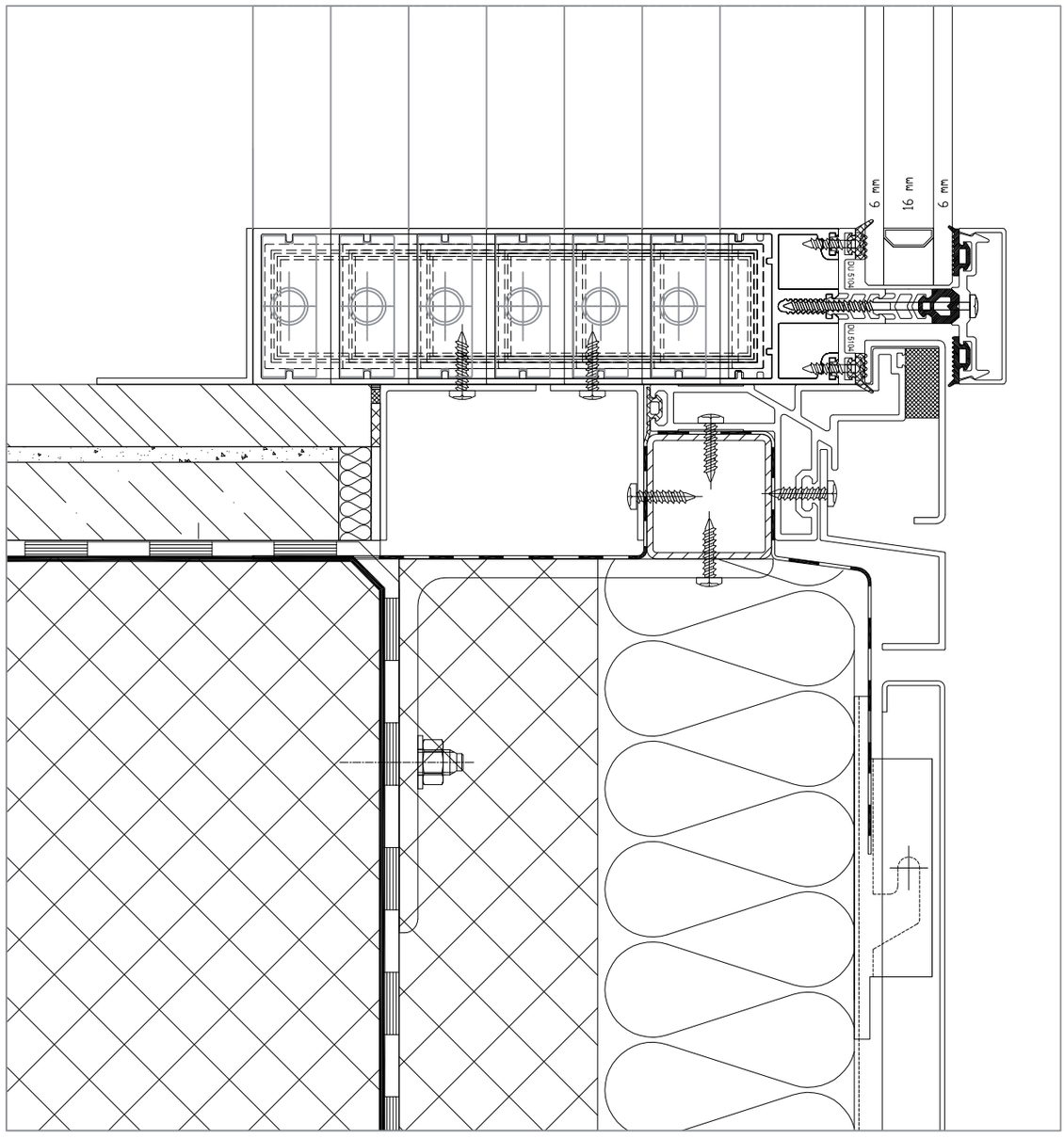

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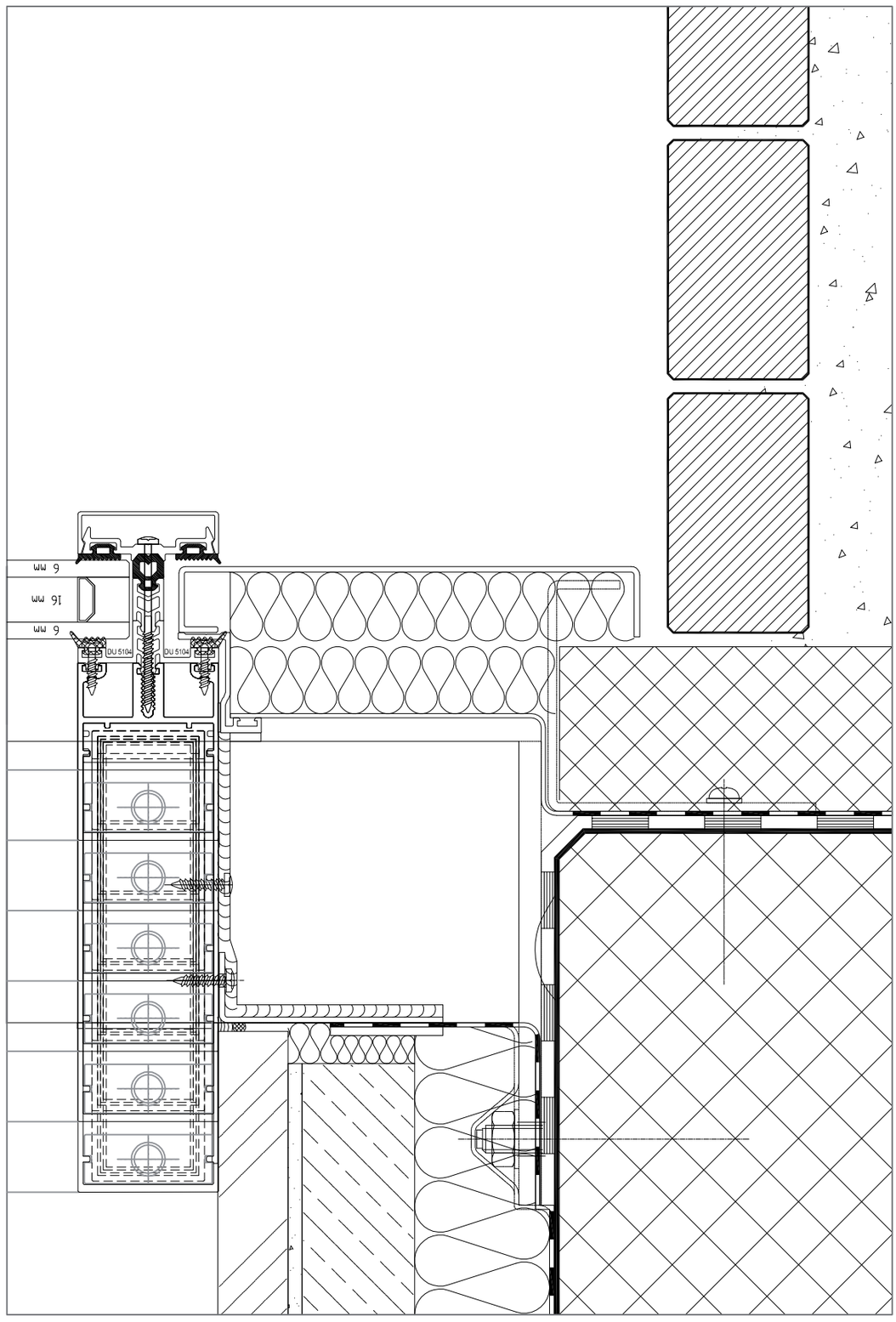

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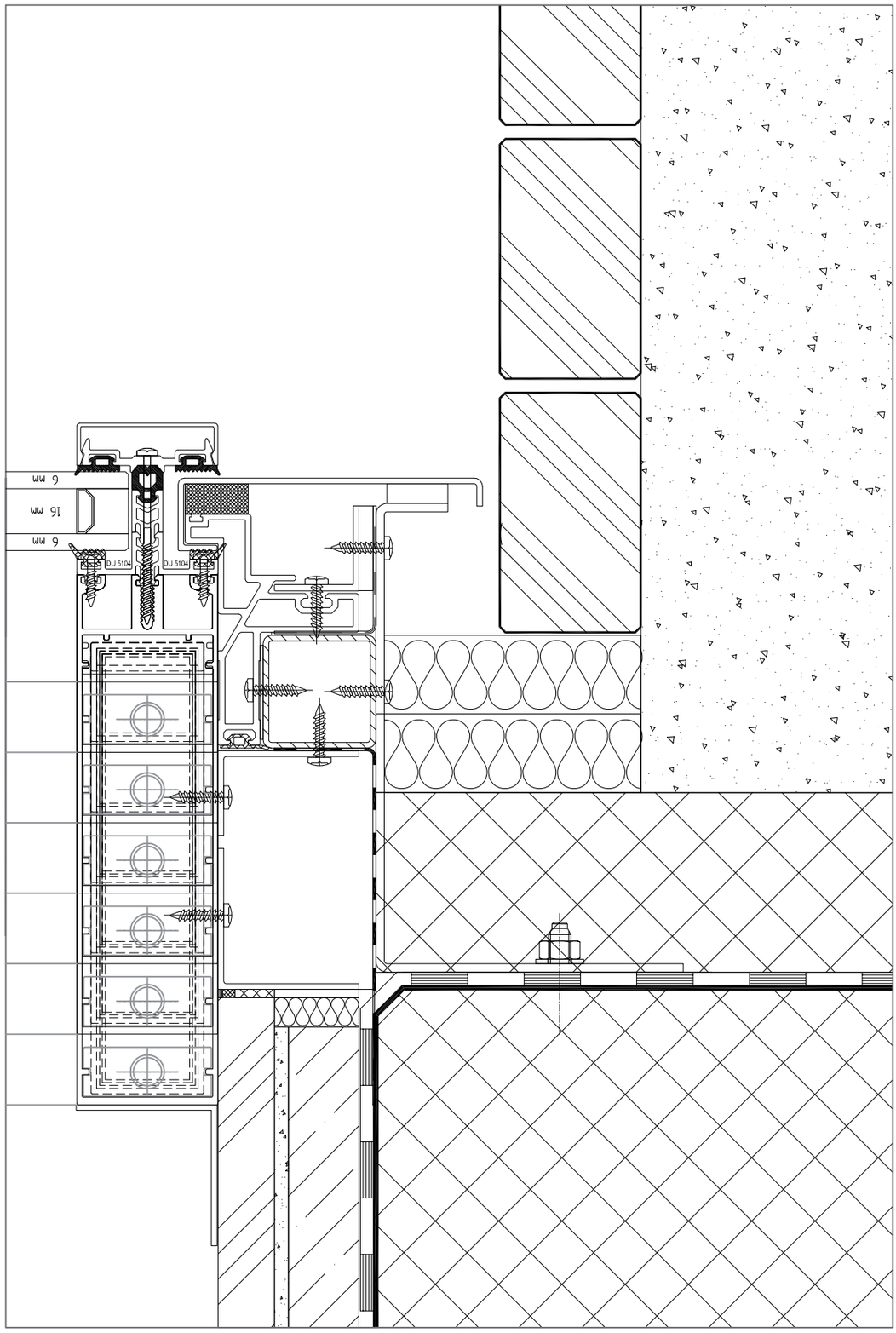

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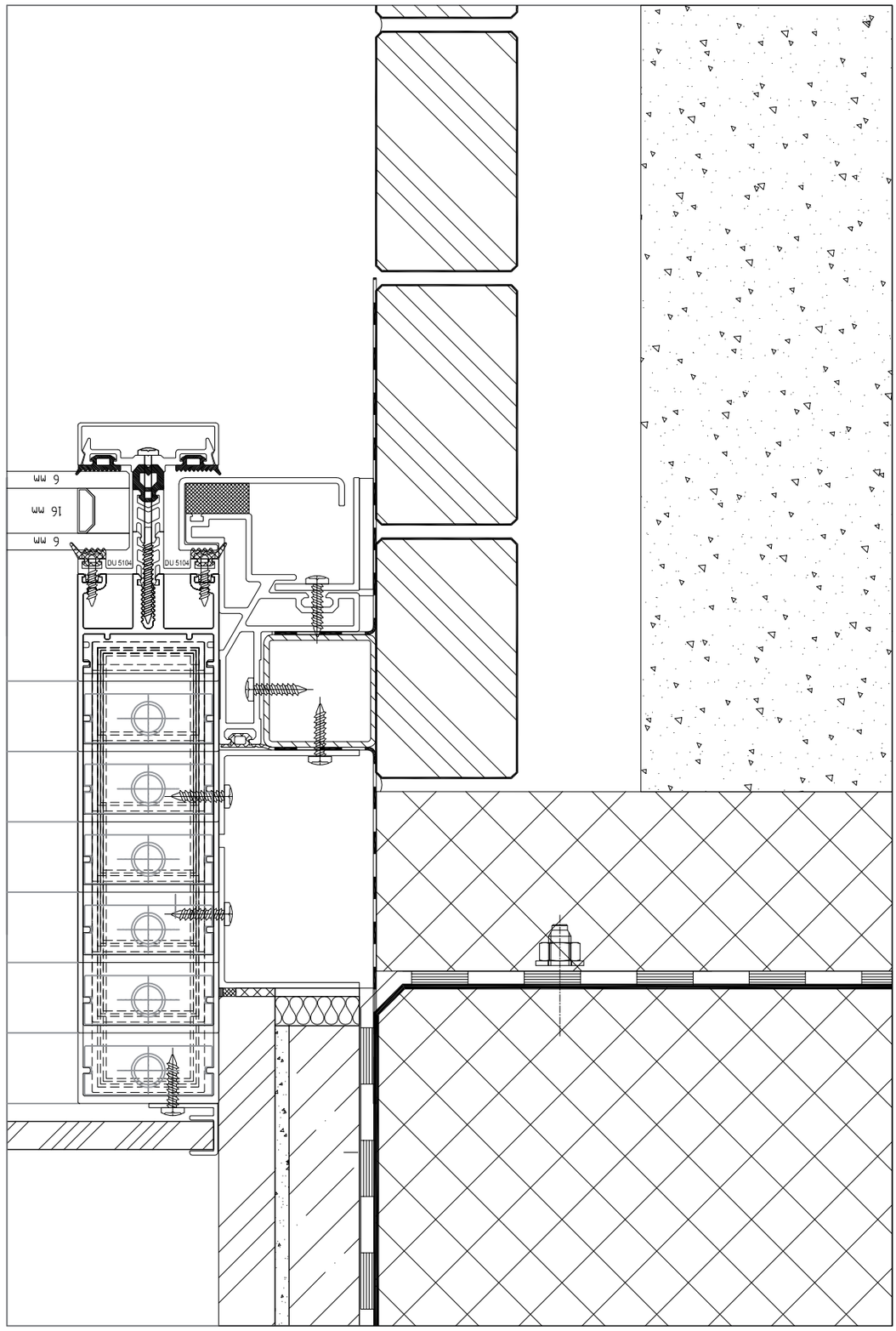

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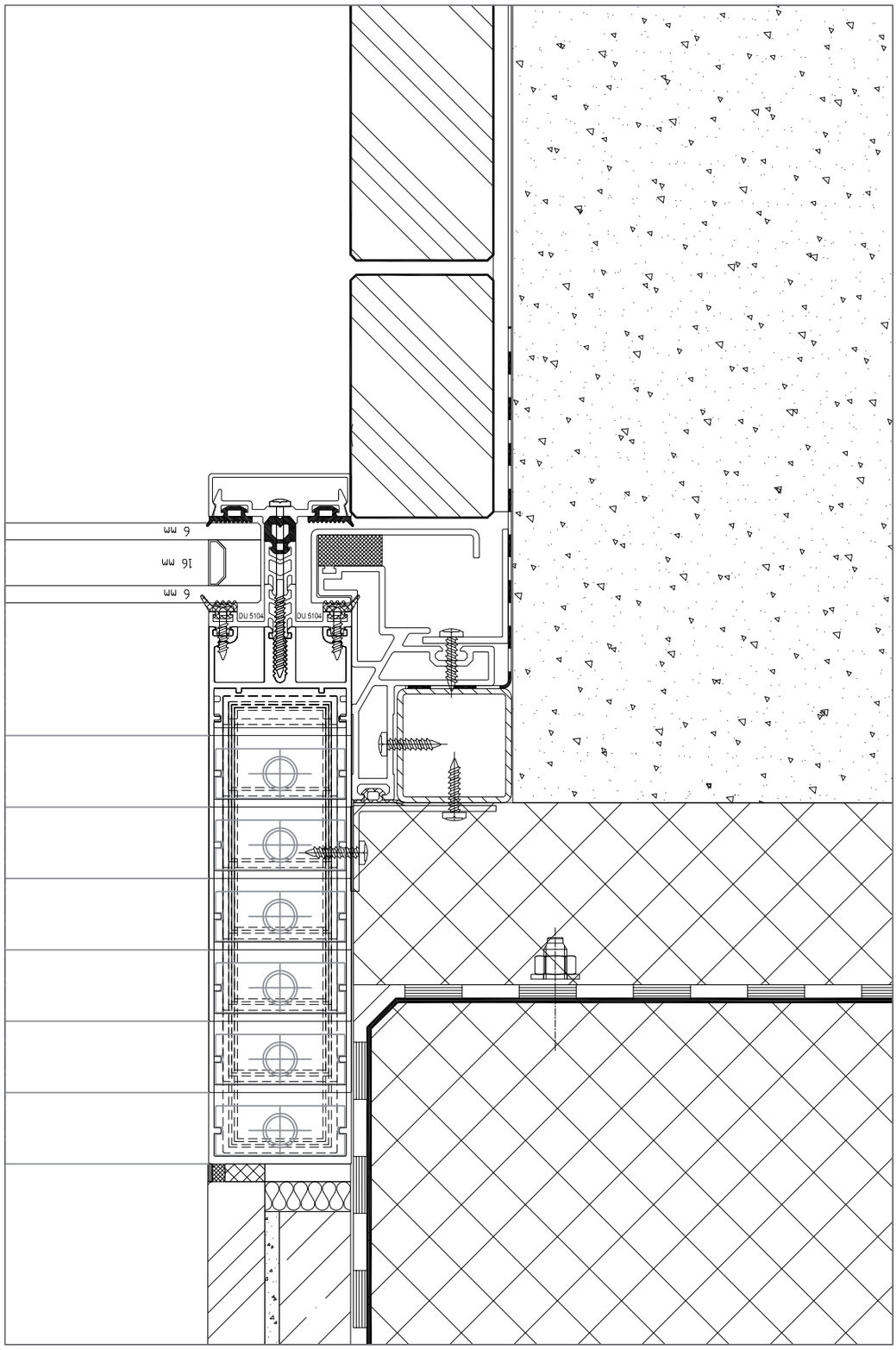

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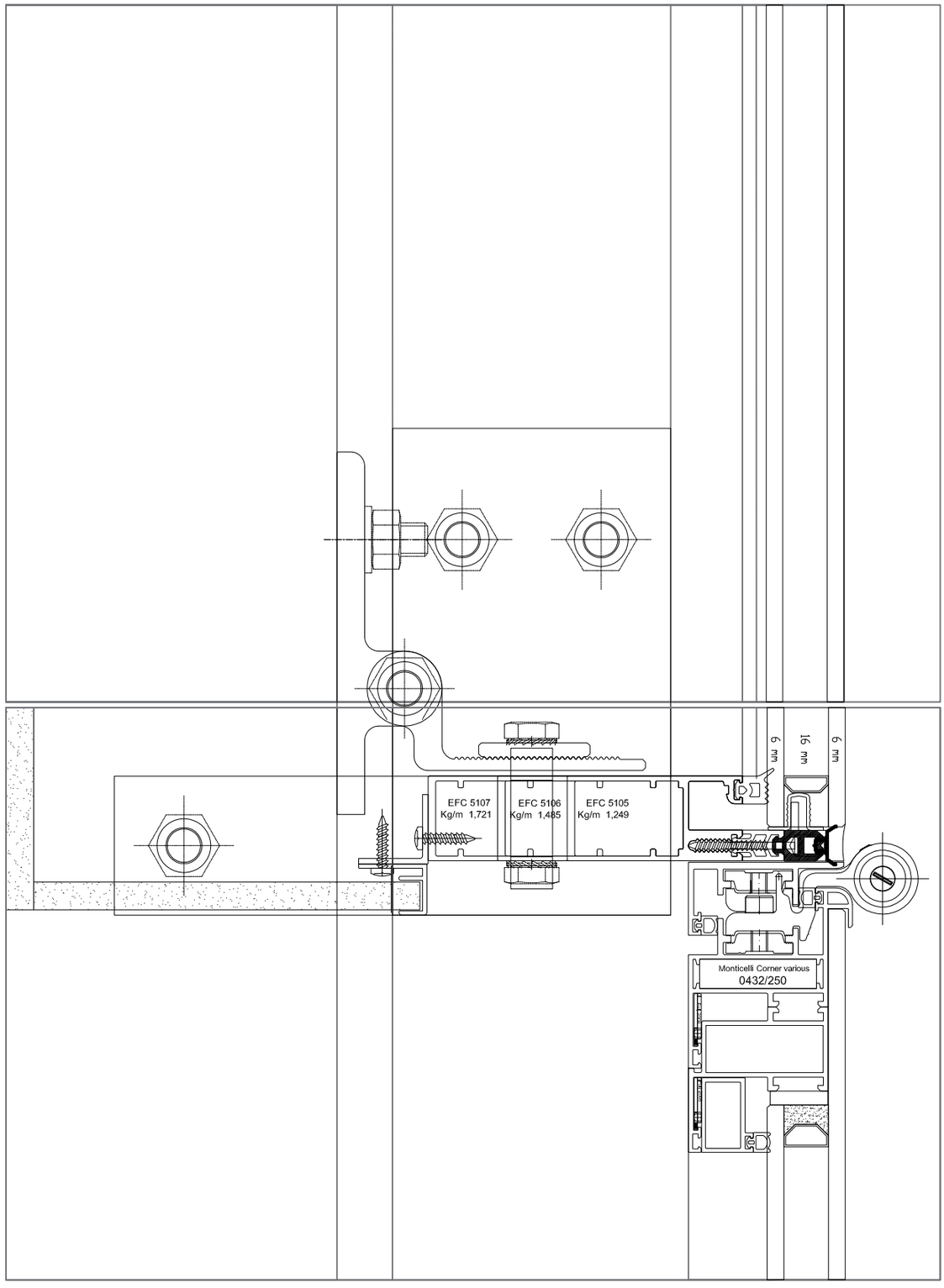

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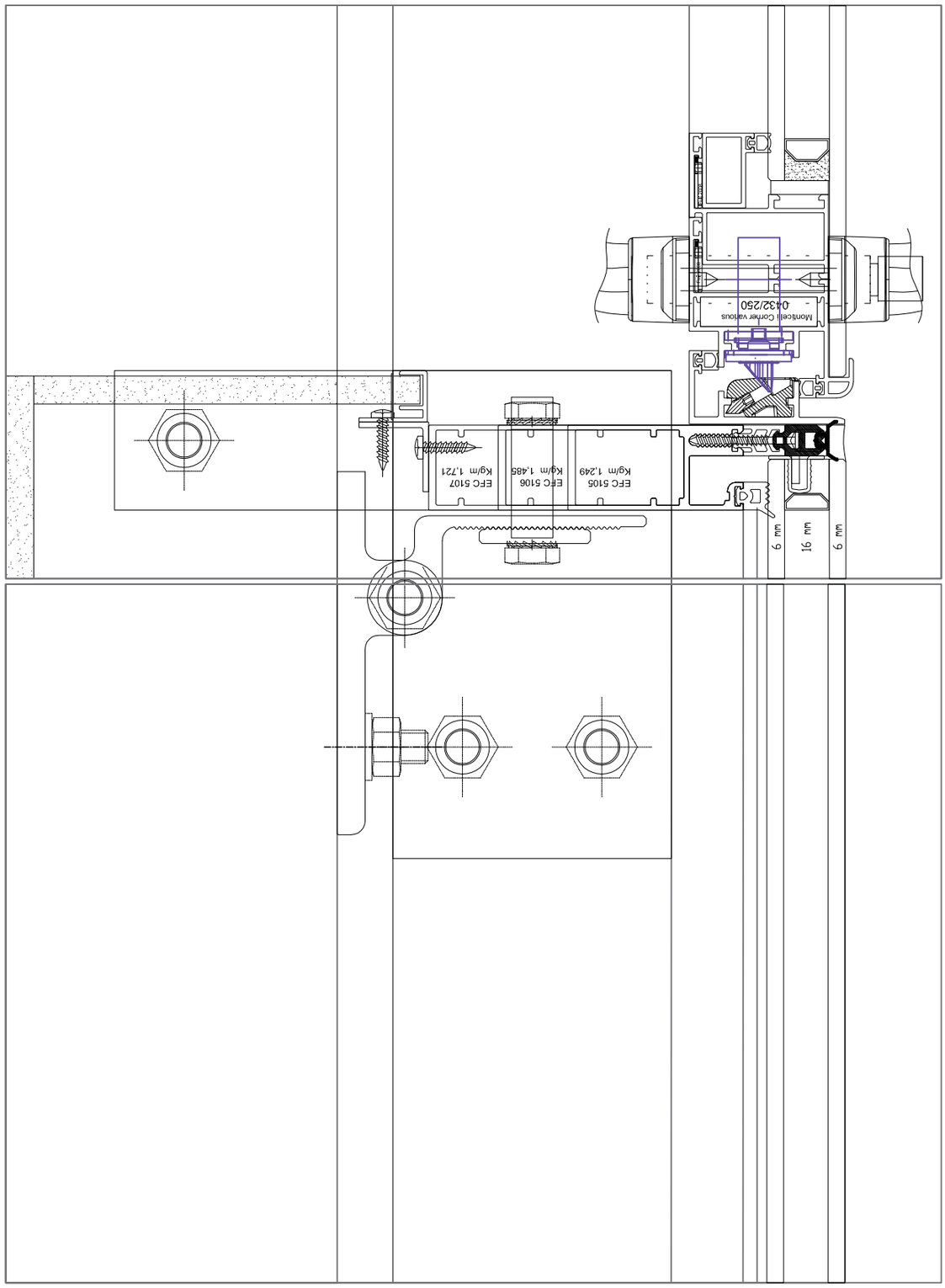

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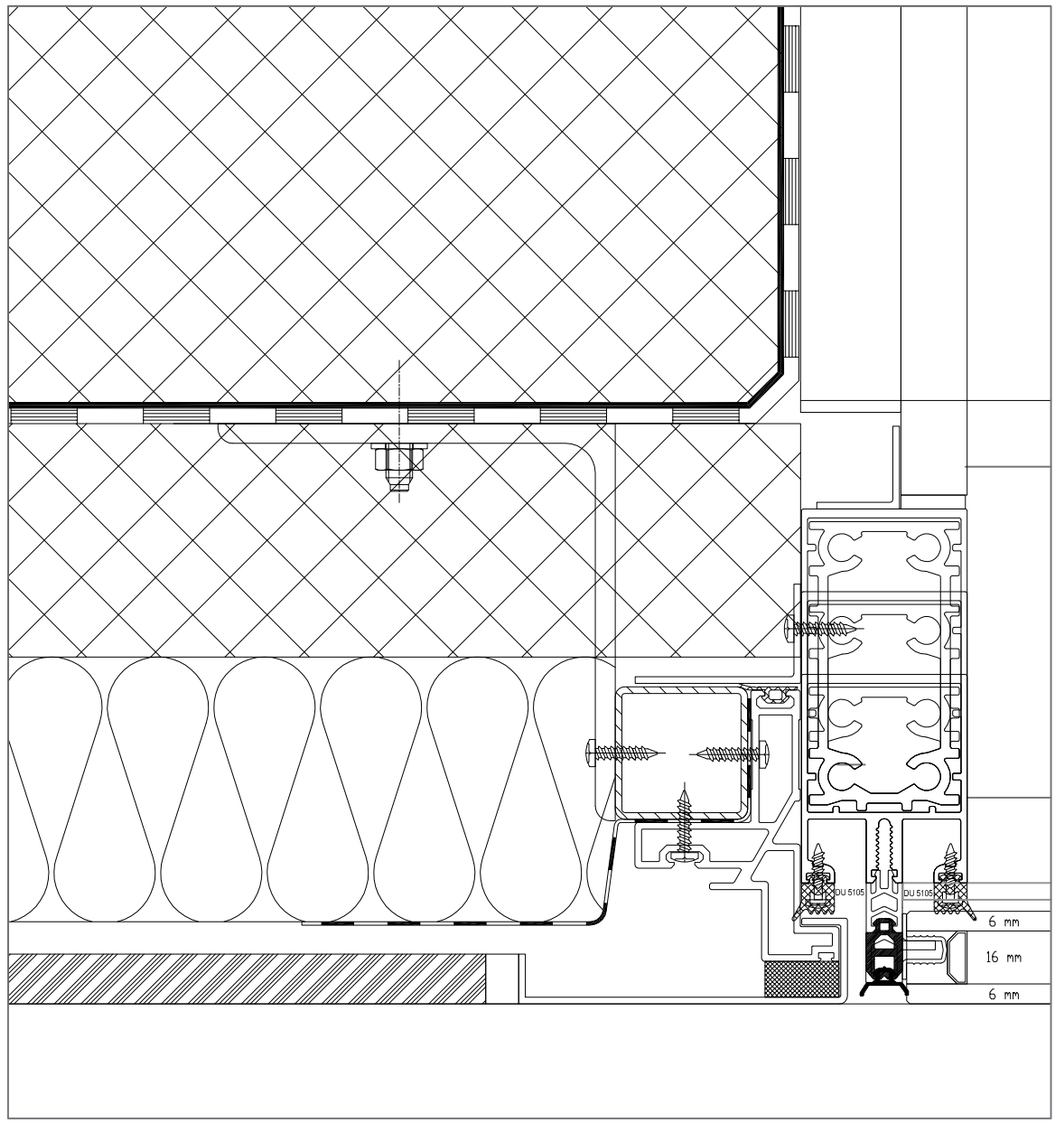

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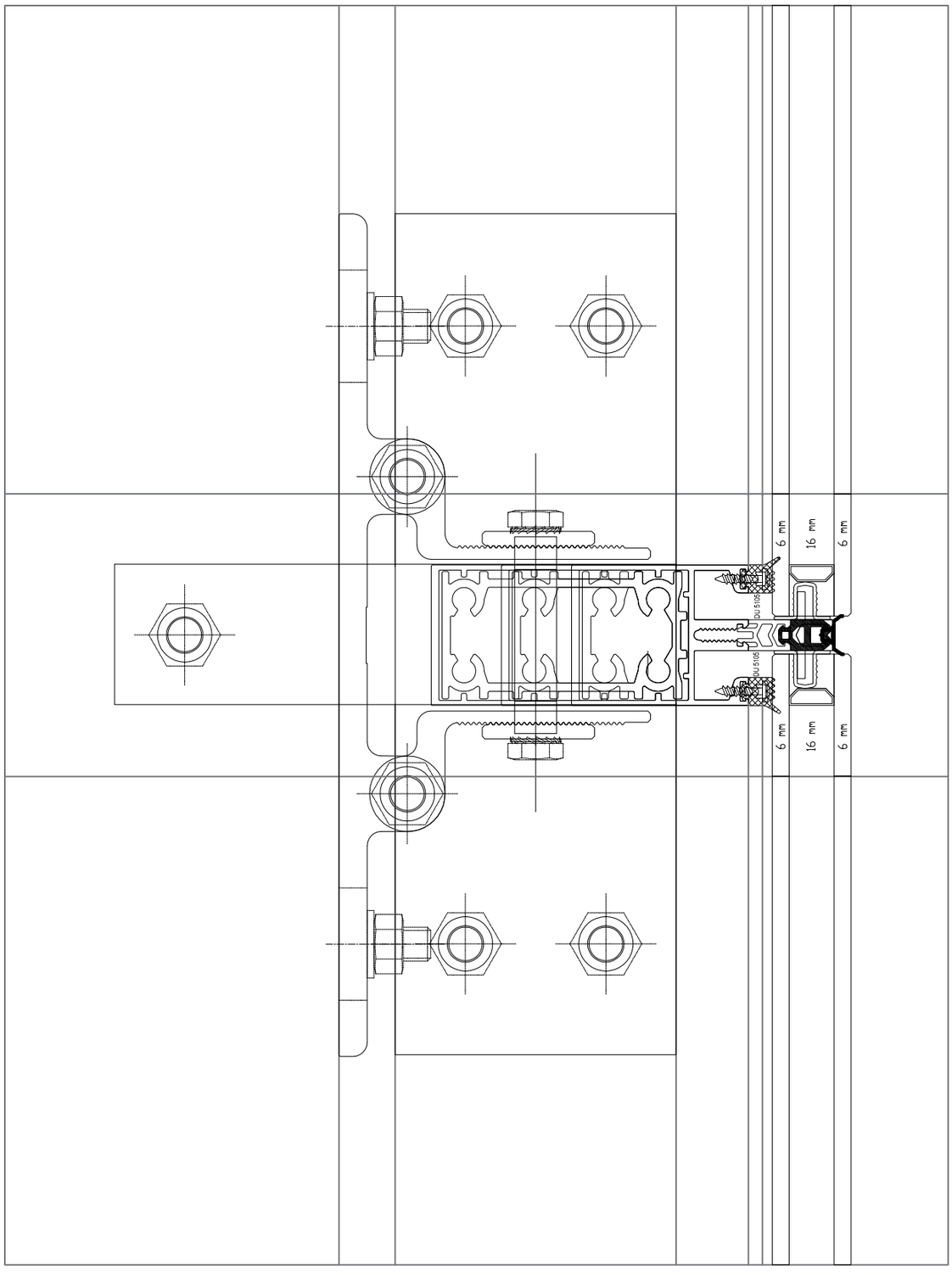

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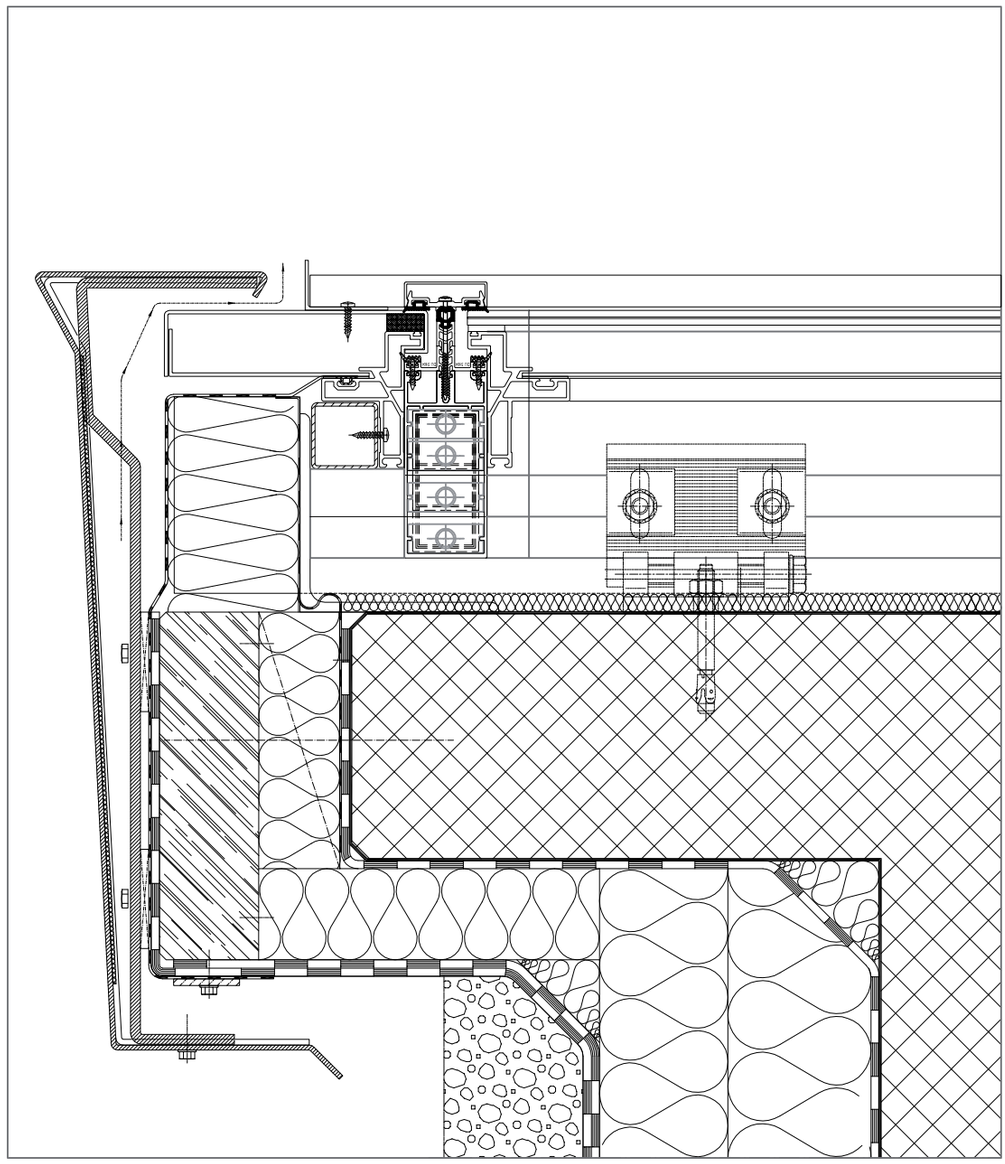

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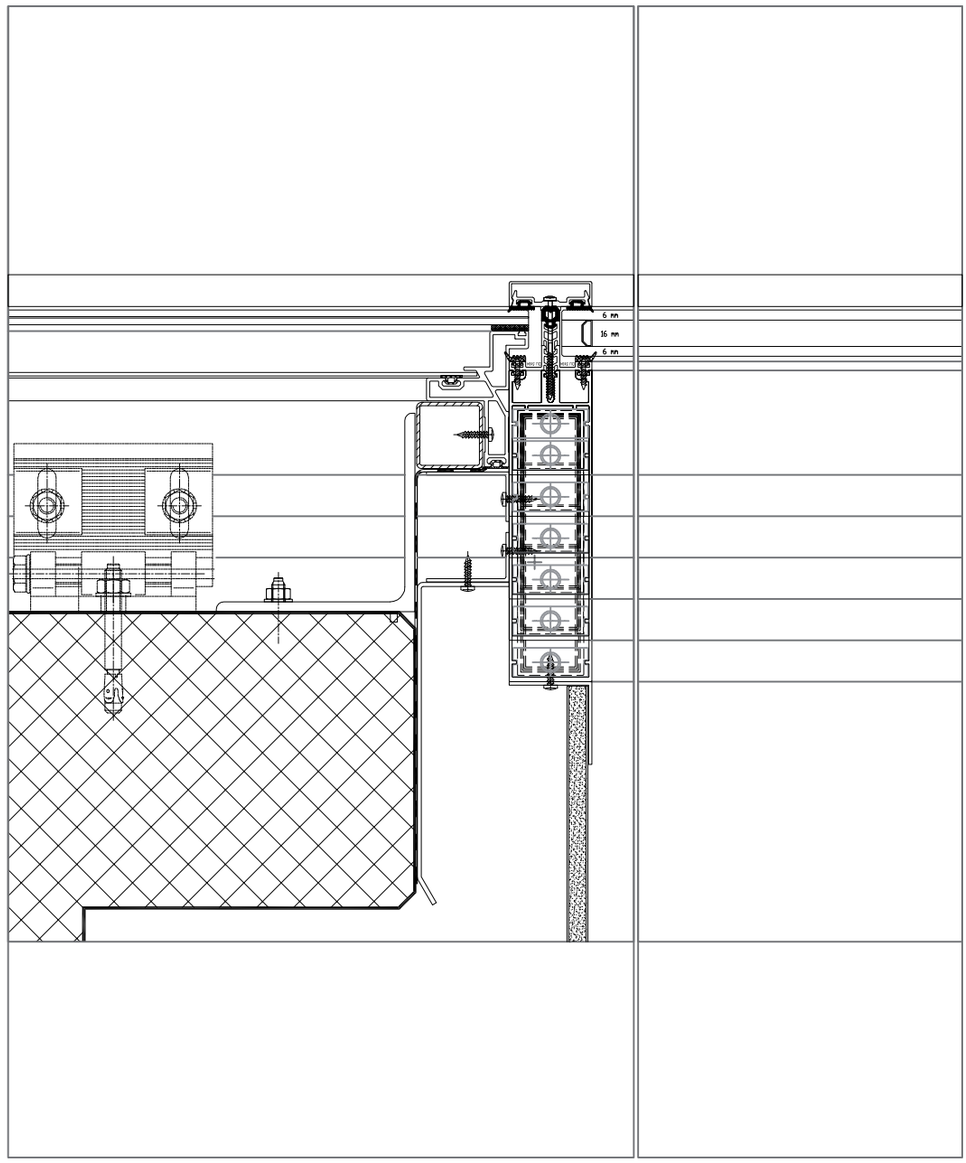

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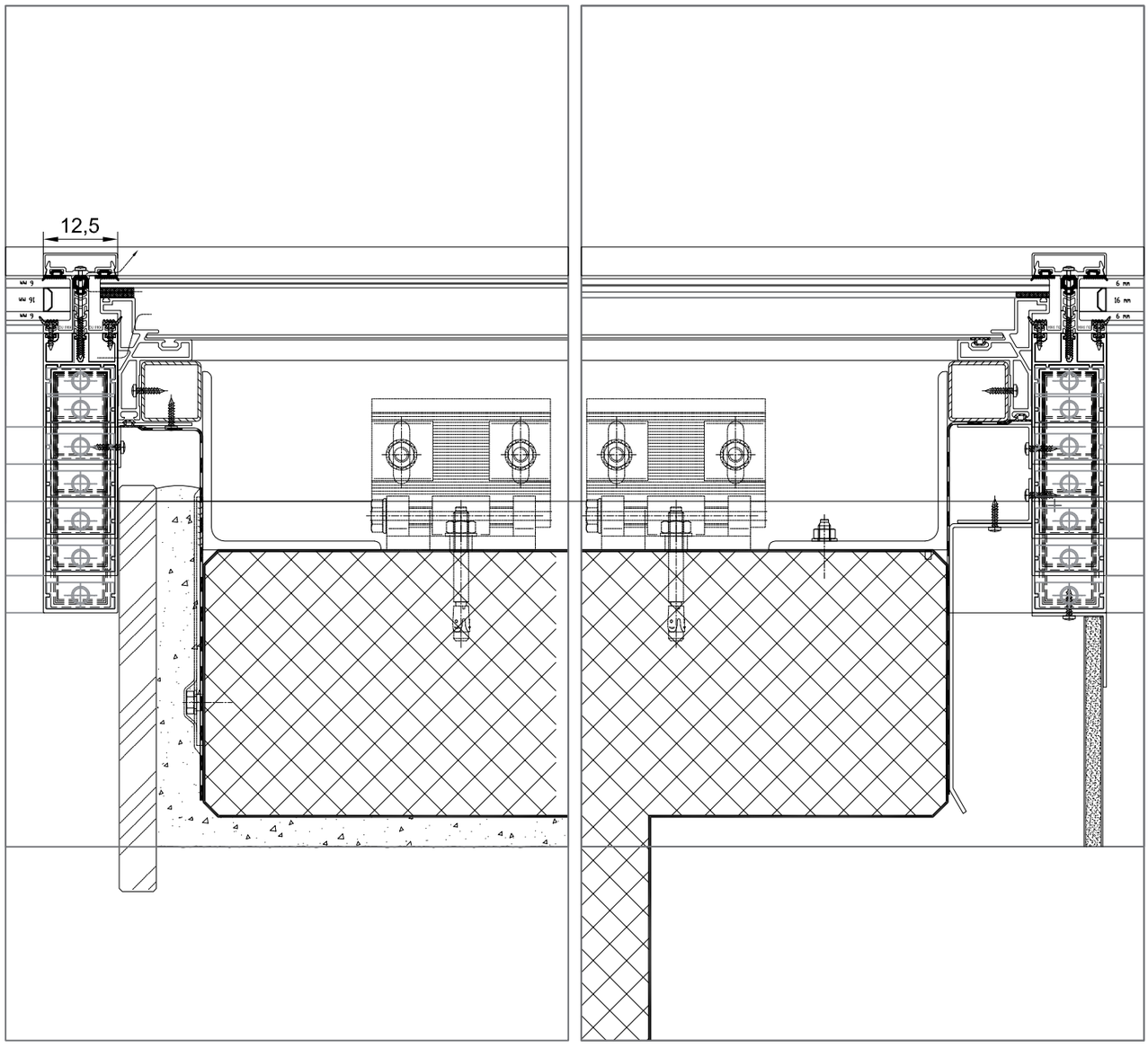

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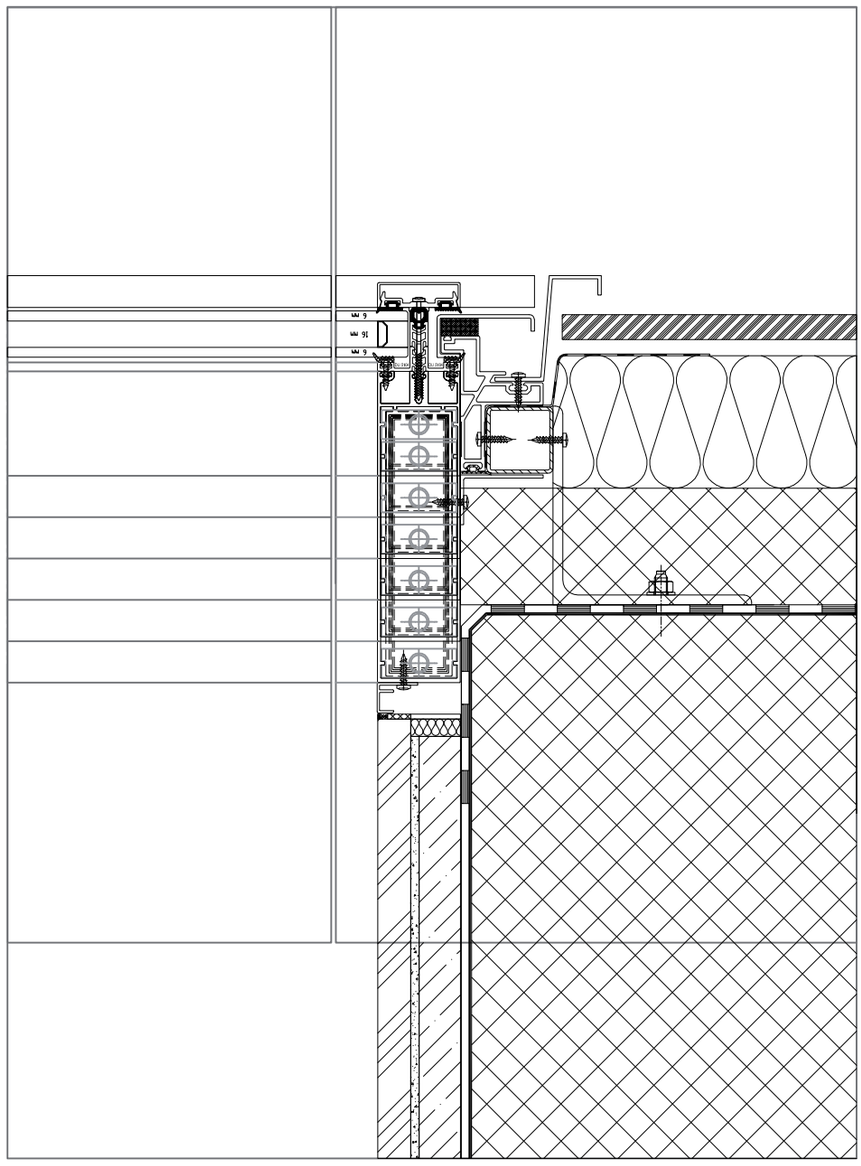
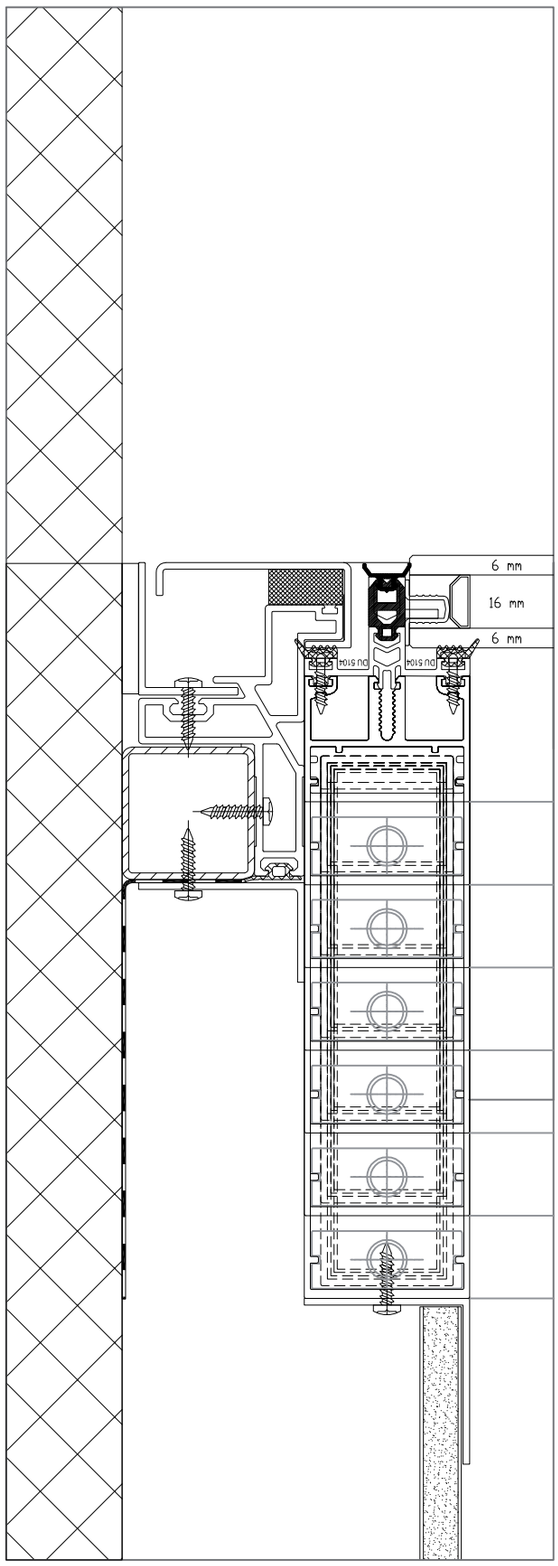
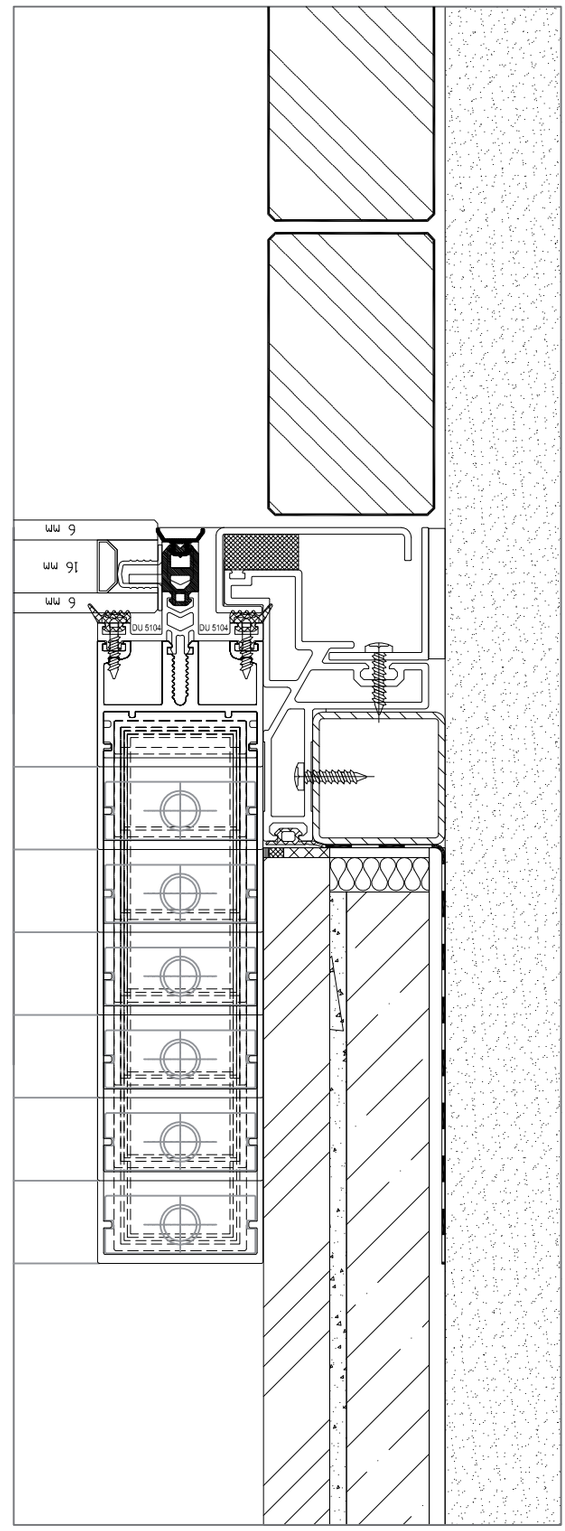
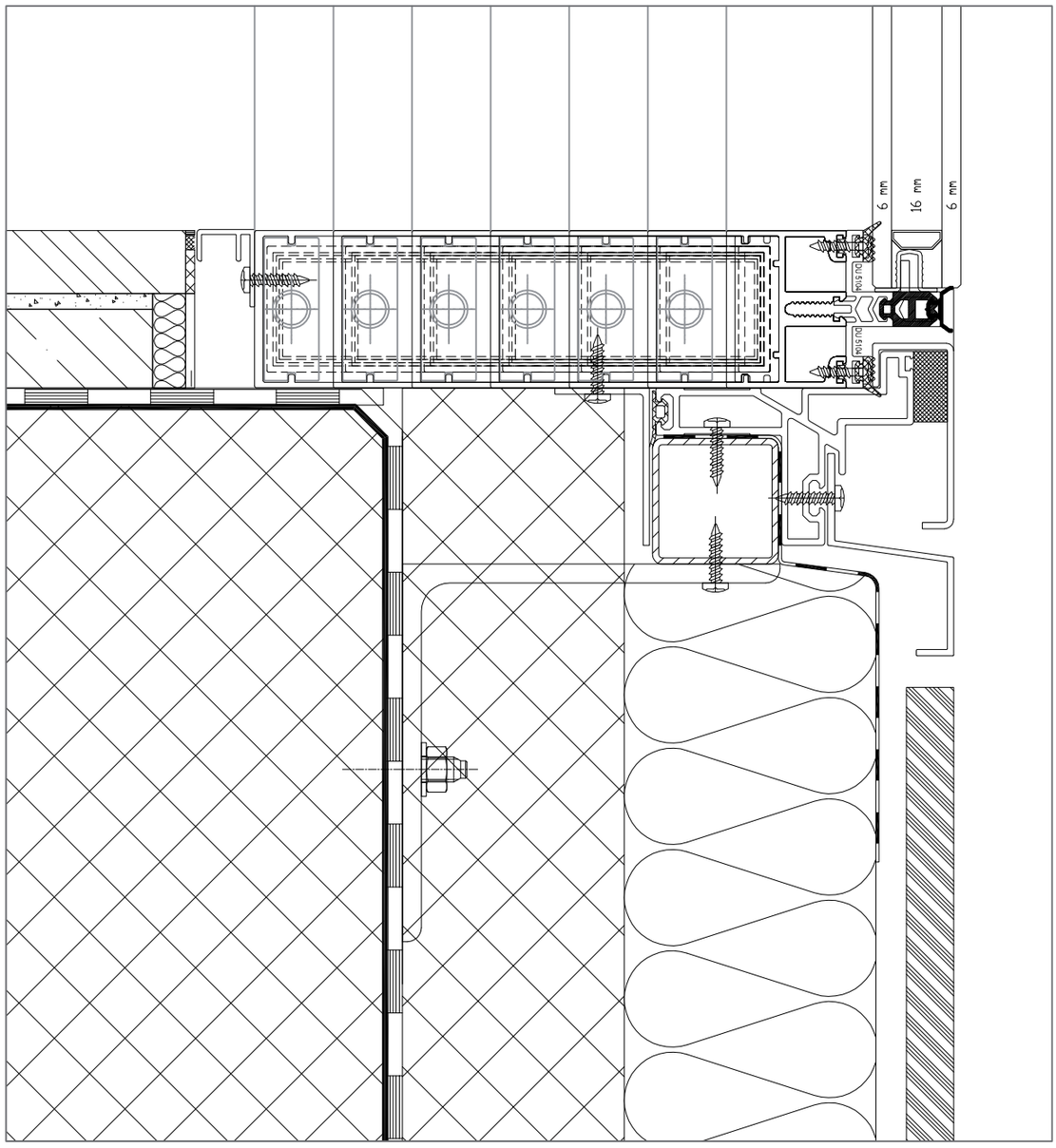


SEZIONI IN SCALA 1:1

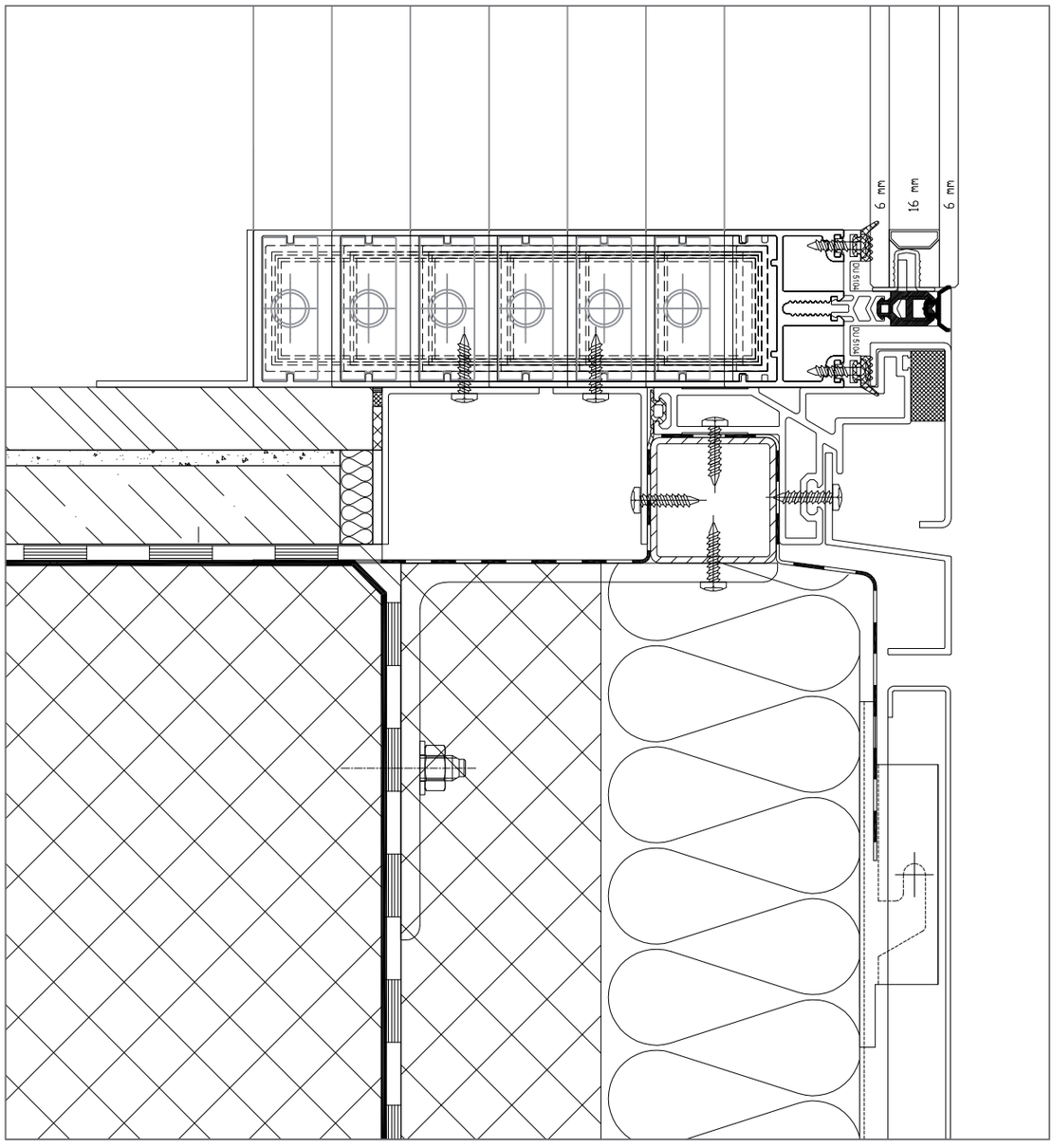




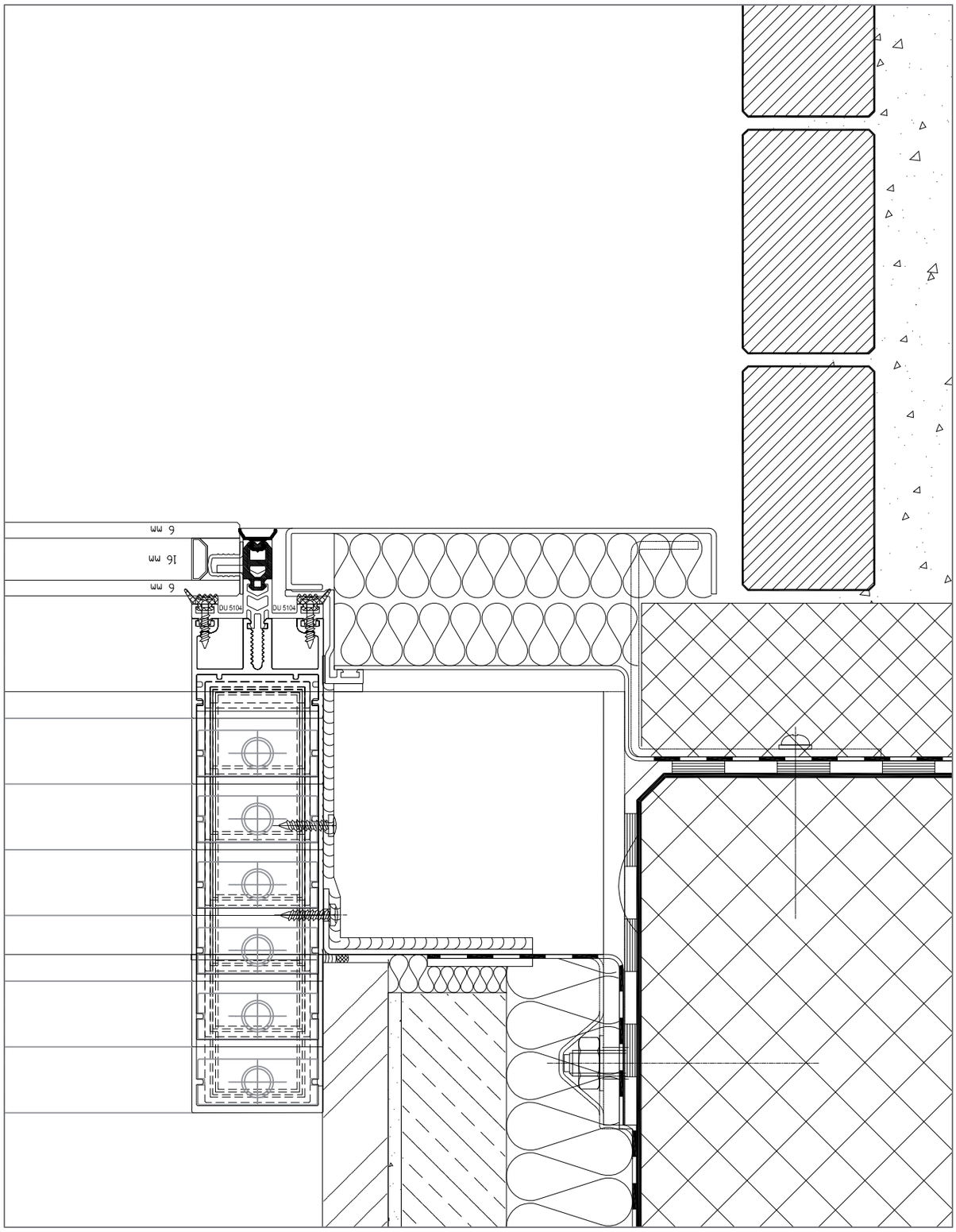
SEZIONI IN SCALA 1:1



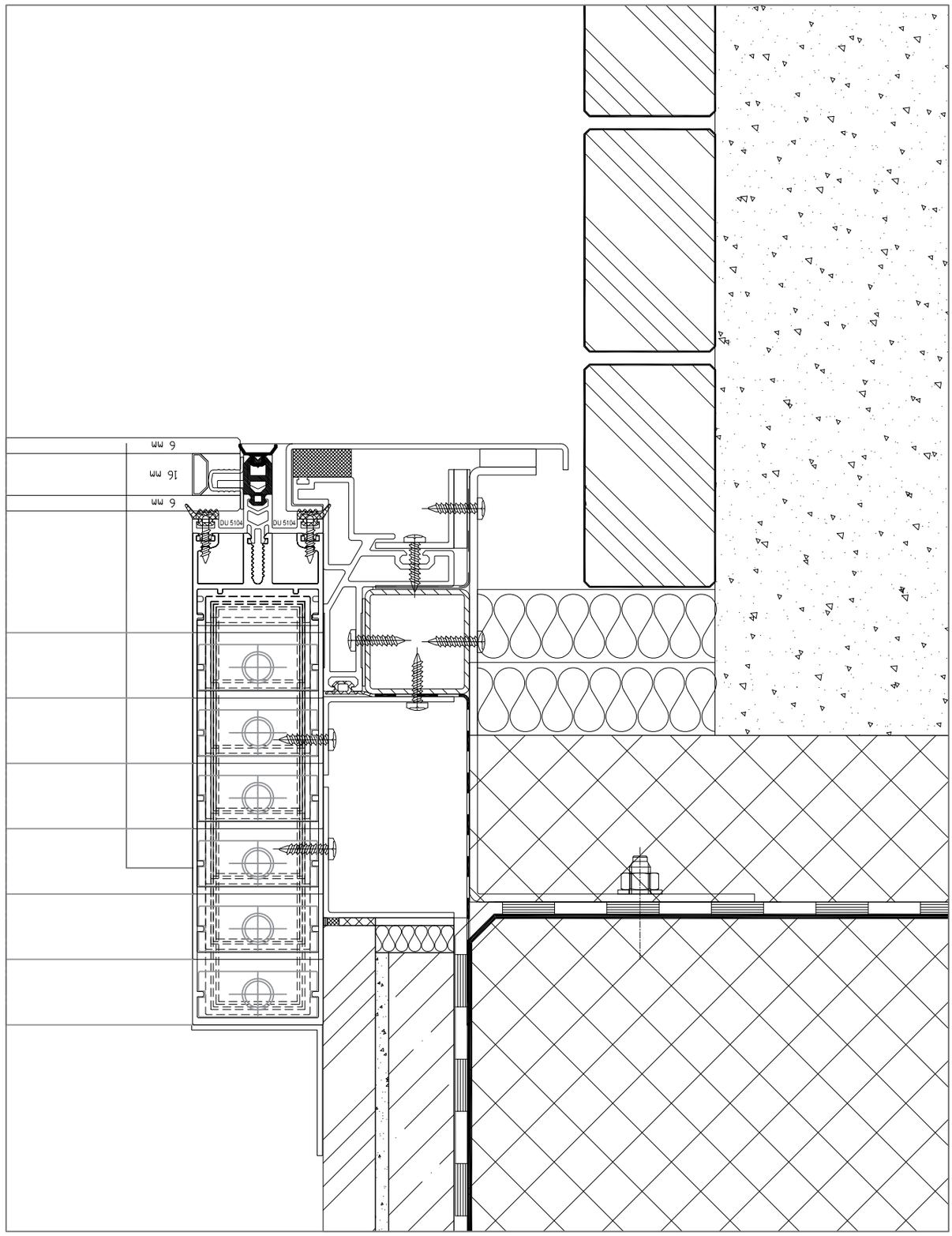
SEZIONI IN SCALA 1:1



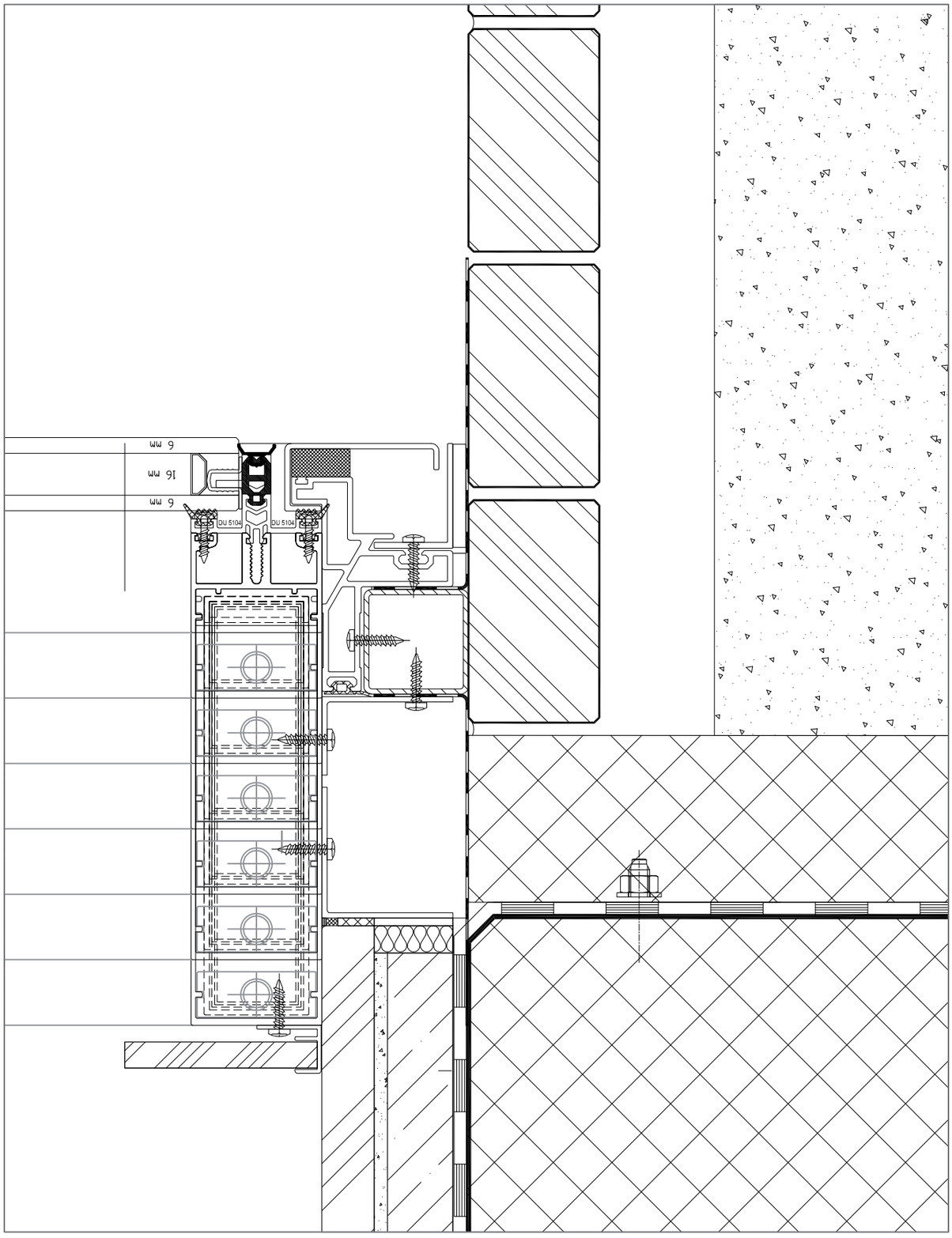
SEZIONI IN SCALA 1:1



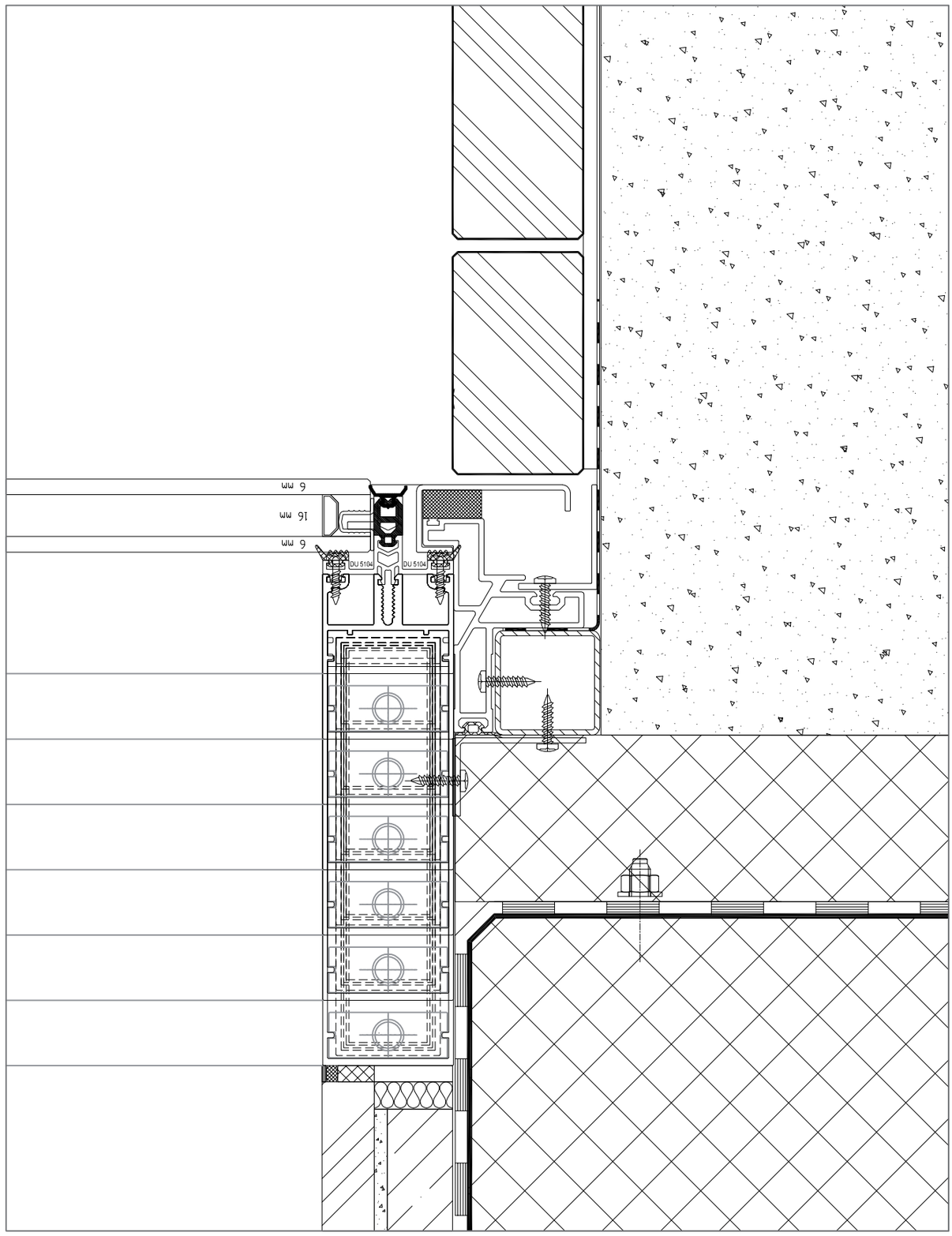
SEZIONI IN SCALA 1:1



SEZIONI IN SCALA 1:1



SEZIONI IN SCALA 1:1



SEZIONI IN SCALA 1:1

TECHNICAL DATA SHEETS :
(FICHES SM, SV and ST)

FICHES SM: technical pages for the models assembling

FICHES SV: technical pages for glazing

FICHES ST: cutting list, accessories and gaskets requirements for the most rapresentatives models.

FICHES TECHNIQUES :
(FICHES SM, SV et ST)

FICHES SM: fiches techniques pour l'assemblage

FICHES SV: fiches techniques pour les vitrages

FICHES ST: plans de debit, liste dels accessoires et joints pour certain des models les plus representatifs du systeme.

SCHEDE TECNICHE :
(SCHEDE SM, SV e ST)

SCHEDE SM: schede tecniche per il montaggio

SCHEDE SV: schede tecninche per vetrazioni

SCHEDE ST: schemi di taglio, distinte accessori e guarnizioni per alcune tipologie rappresentative.

TP PROFILATI

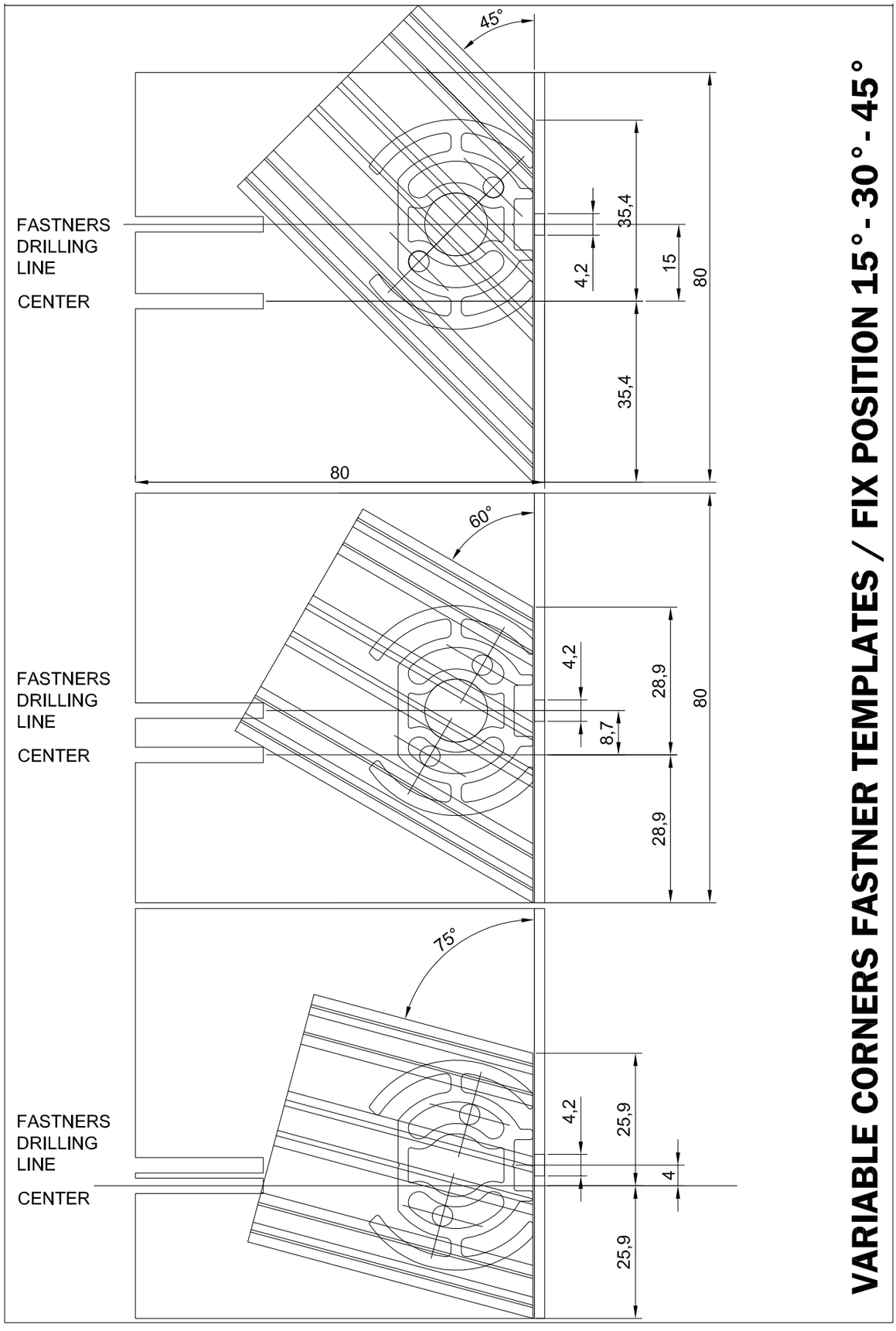
SCHEDE DI MONTAGGIO

ASSEMBLIG DRAWINGS

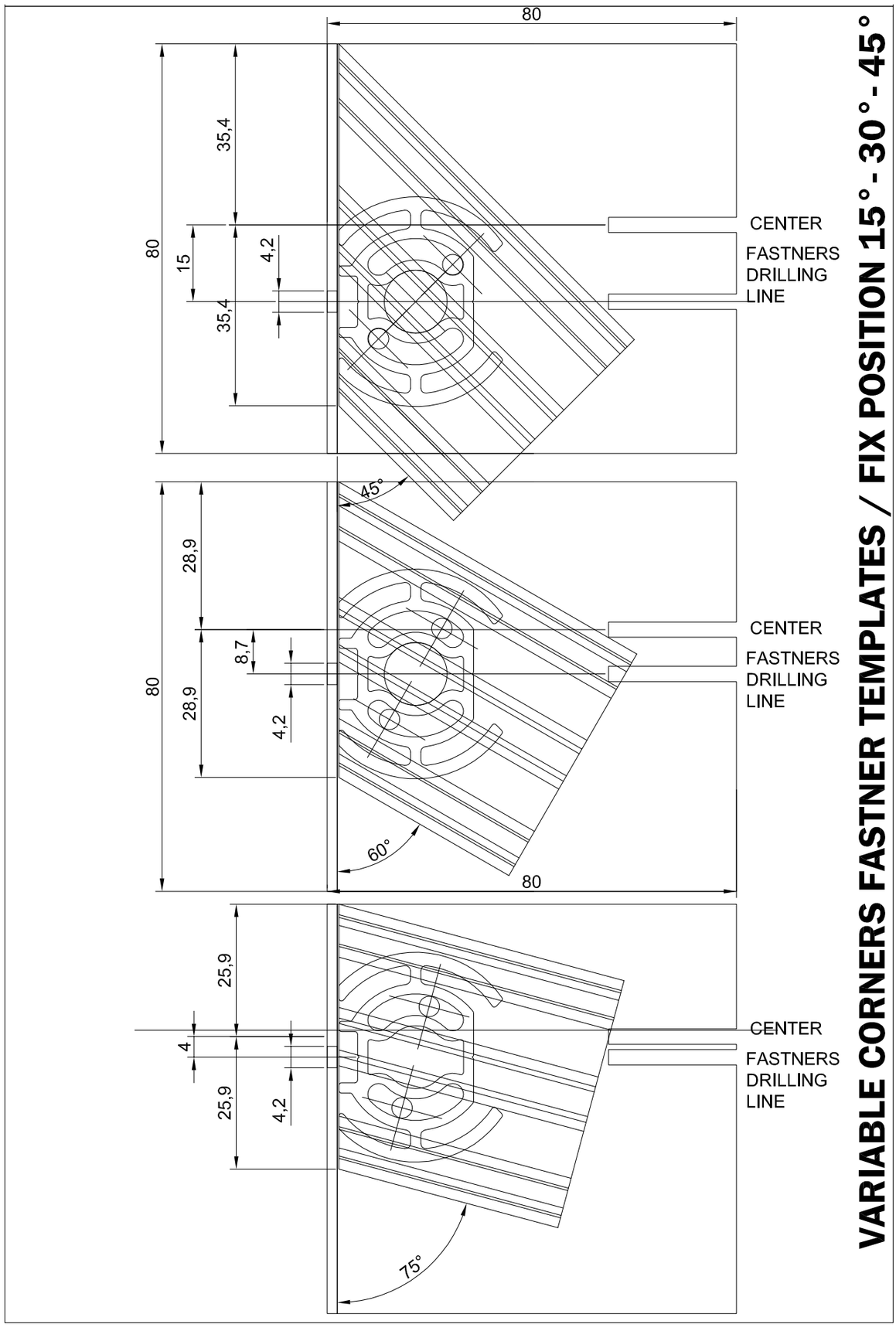
FICHES DE MONTAGE

EKOS
ALUMINIUM COLLECTION

SCHEDE DI MONTAGGIO



SCHEDE DI MONTAGGIO



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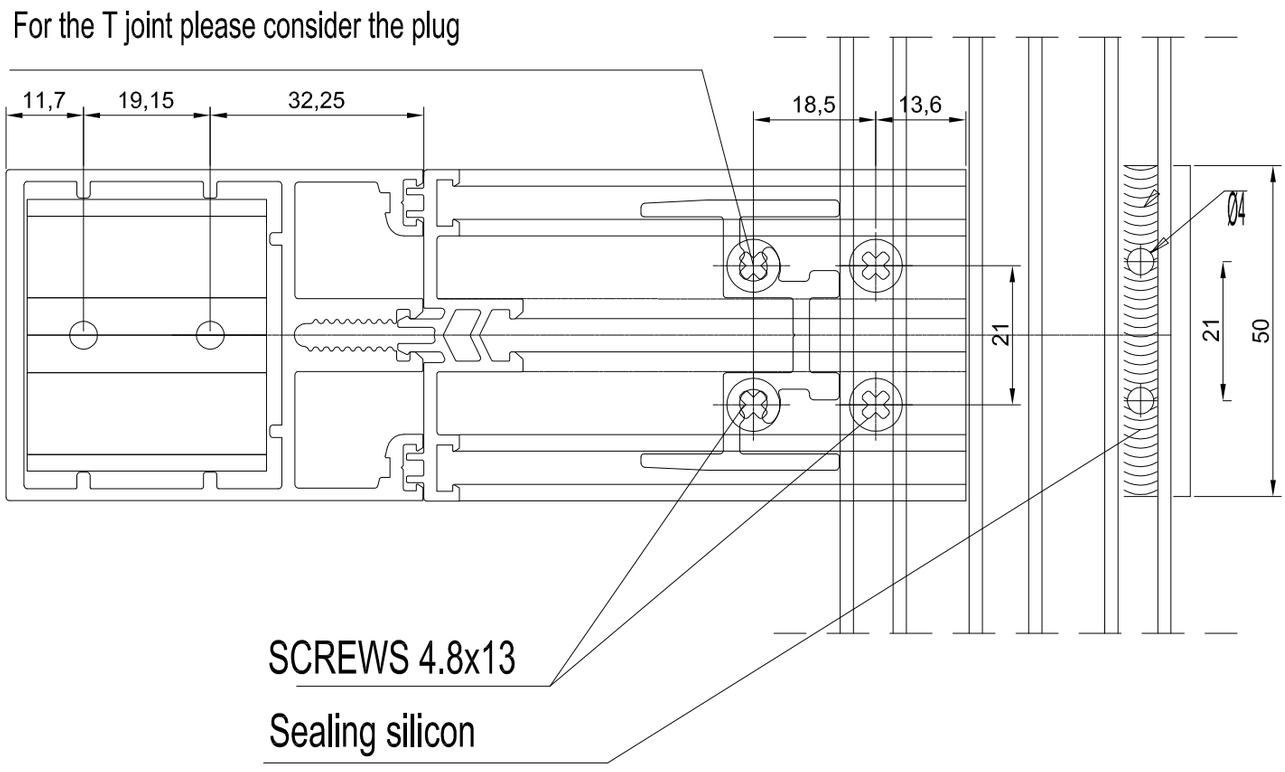

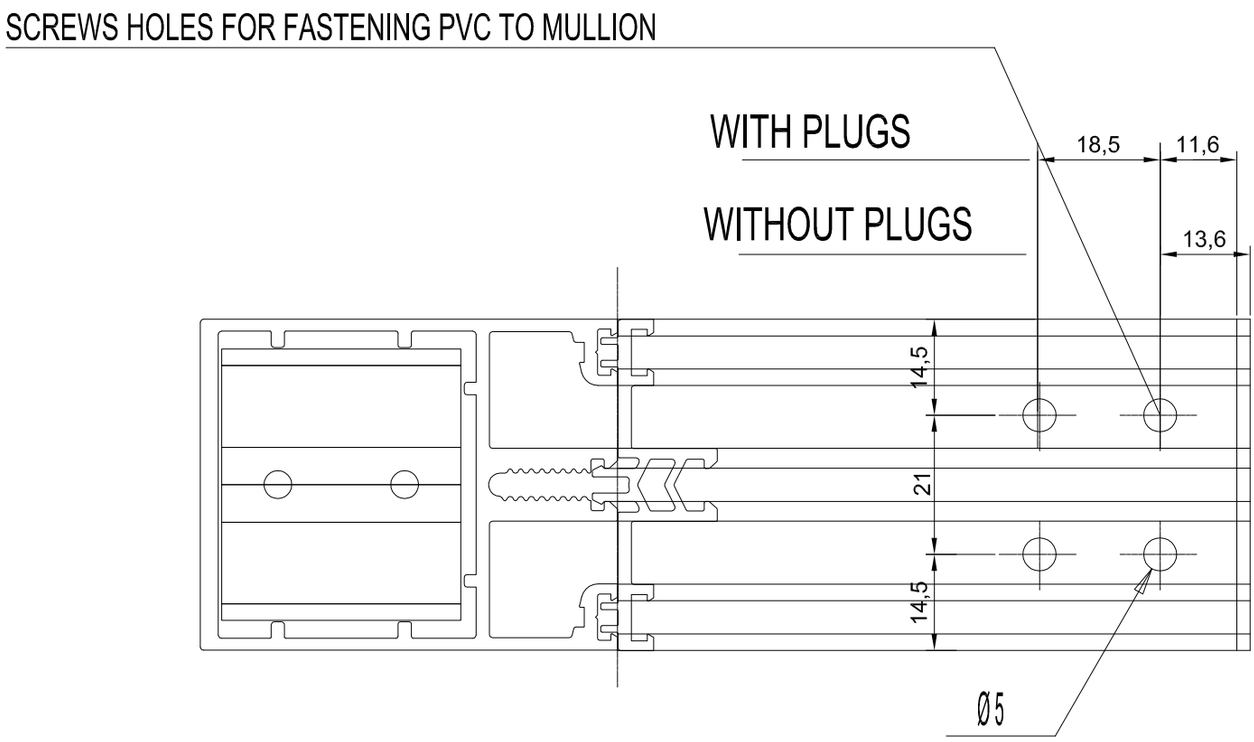

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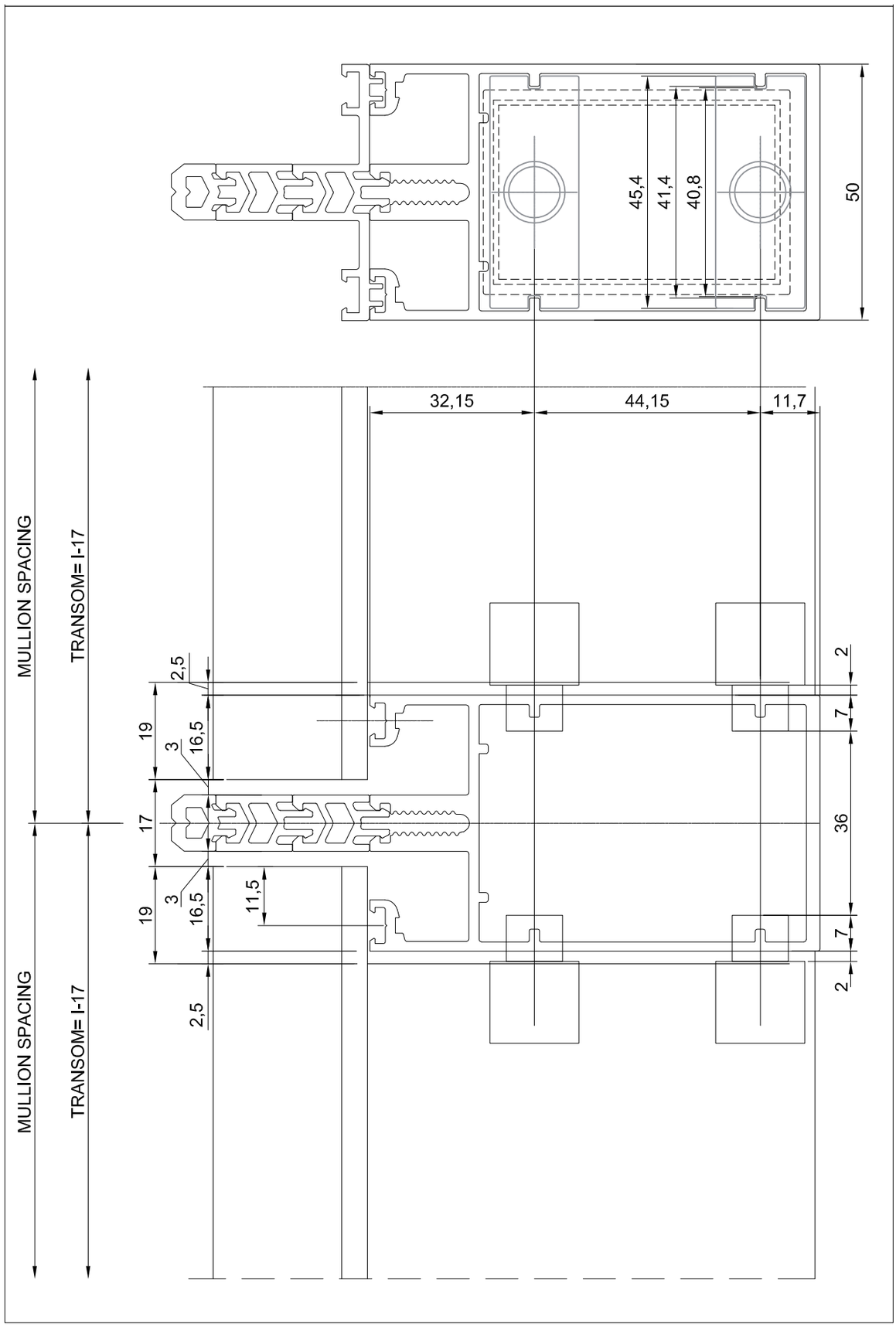

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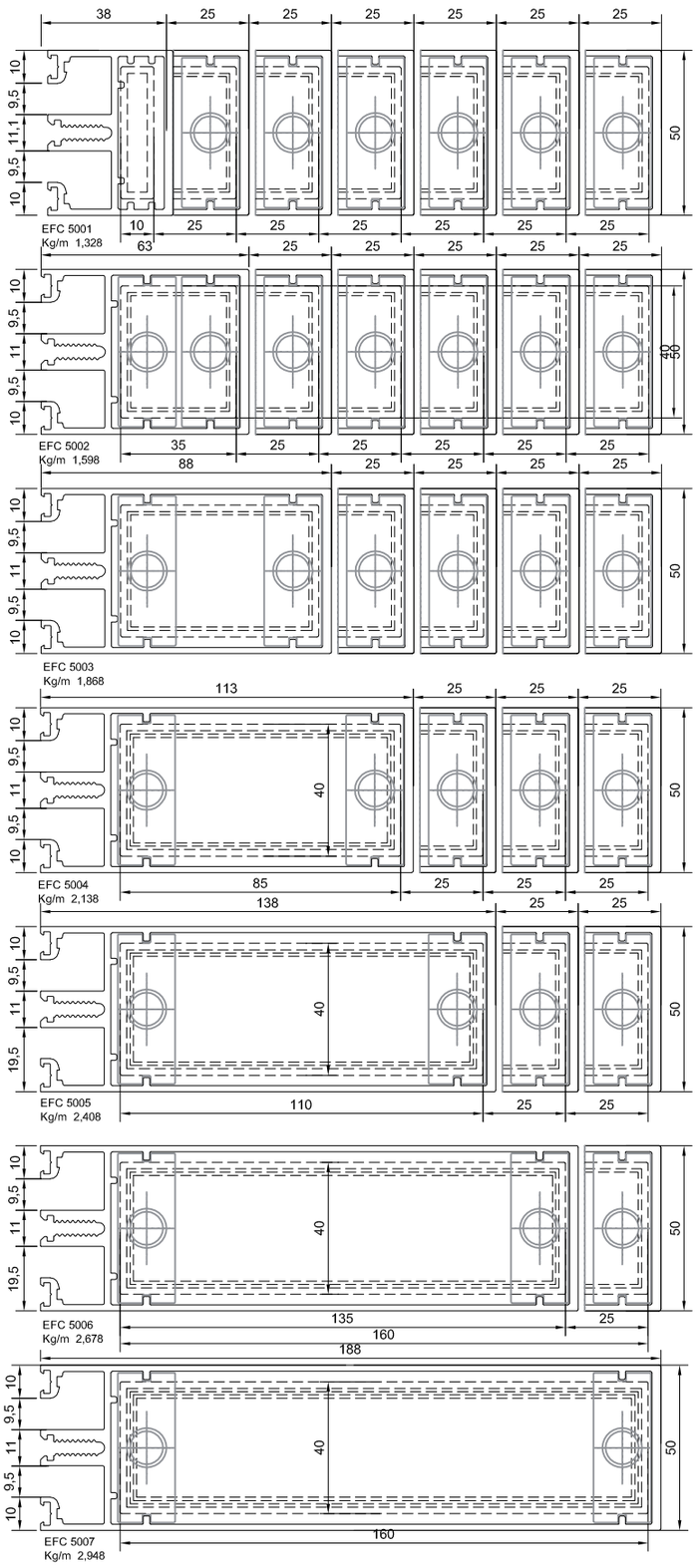

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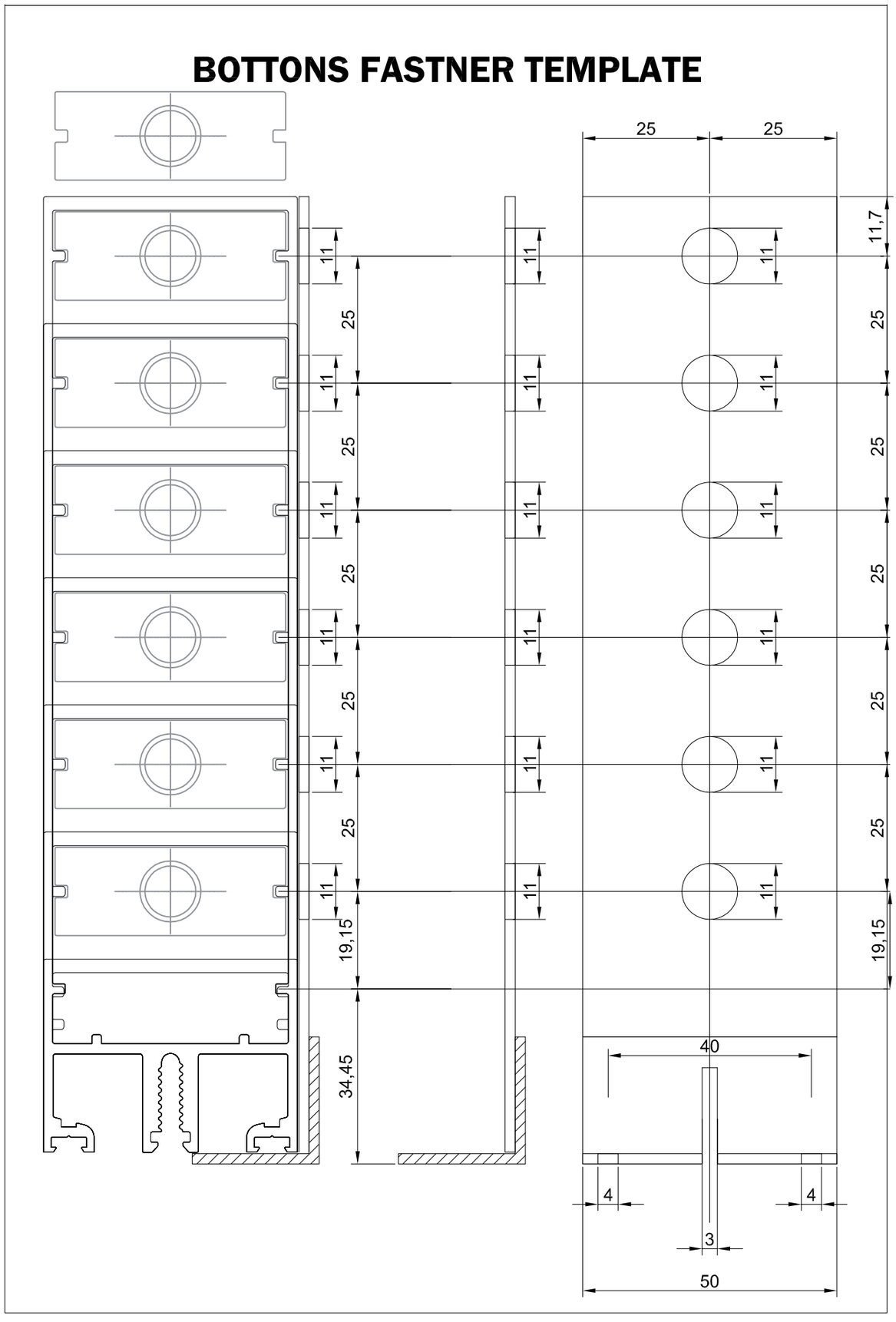

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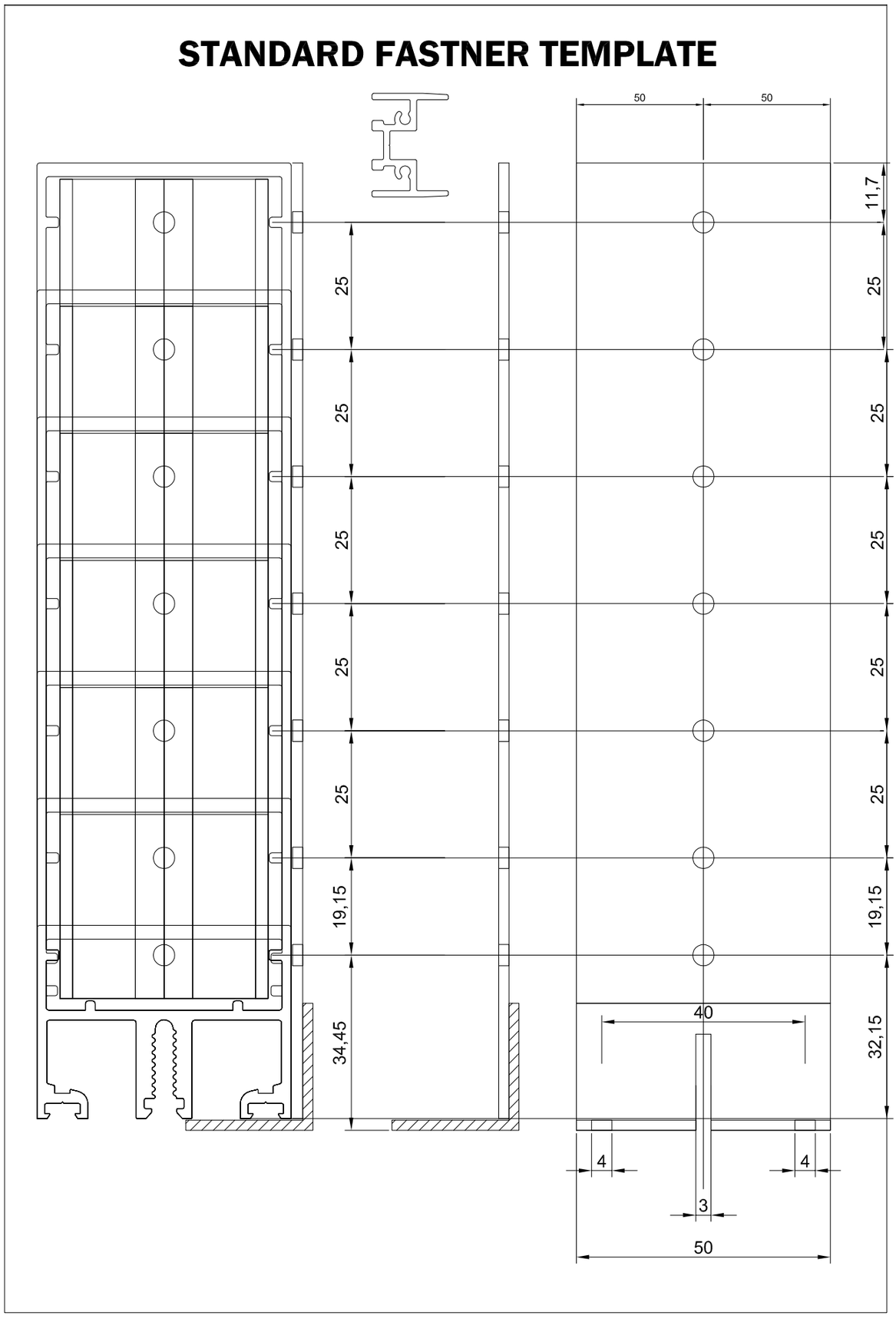
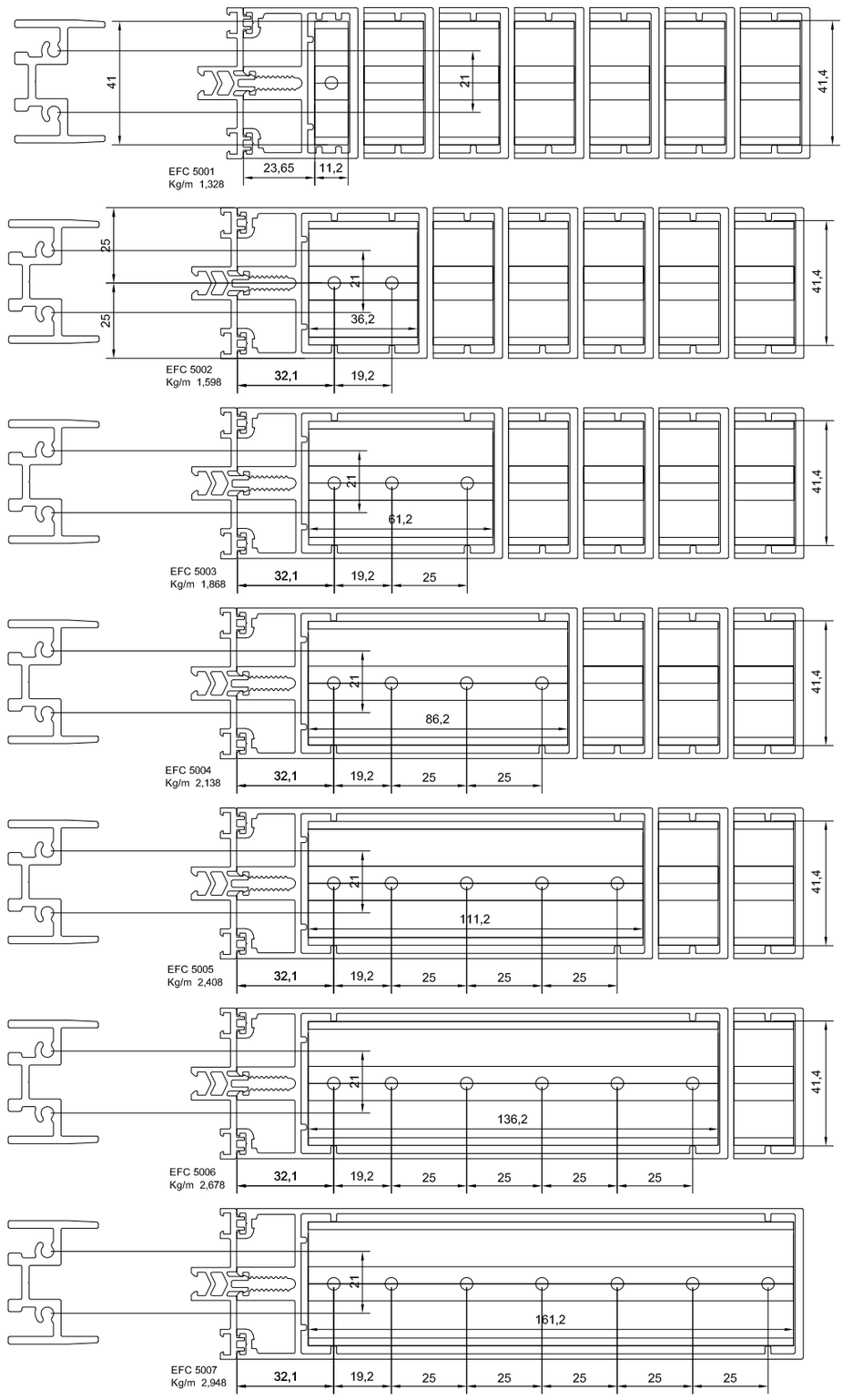


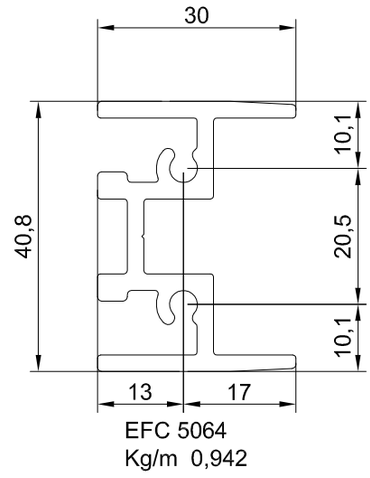
SCHEDE DI MONTAGGIO

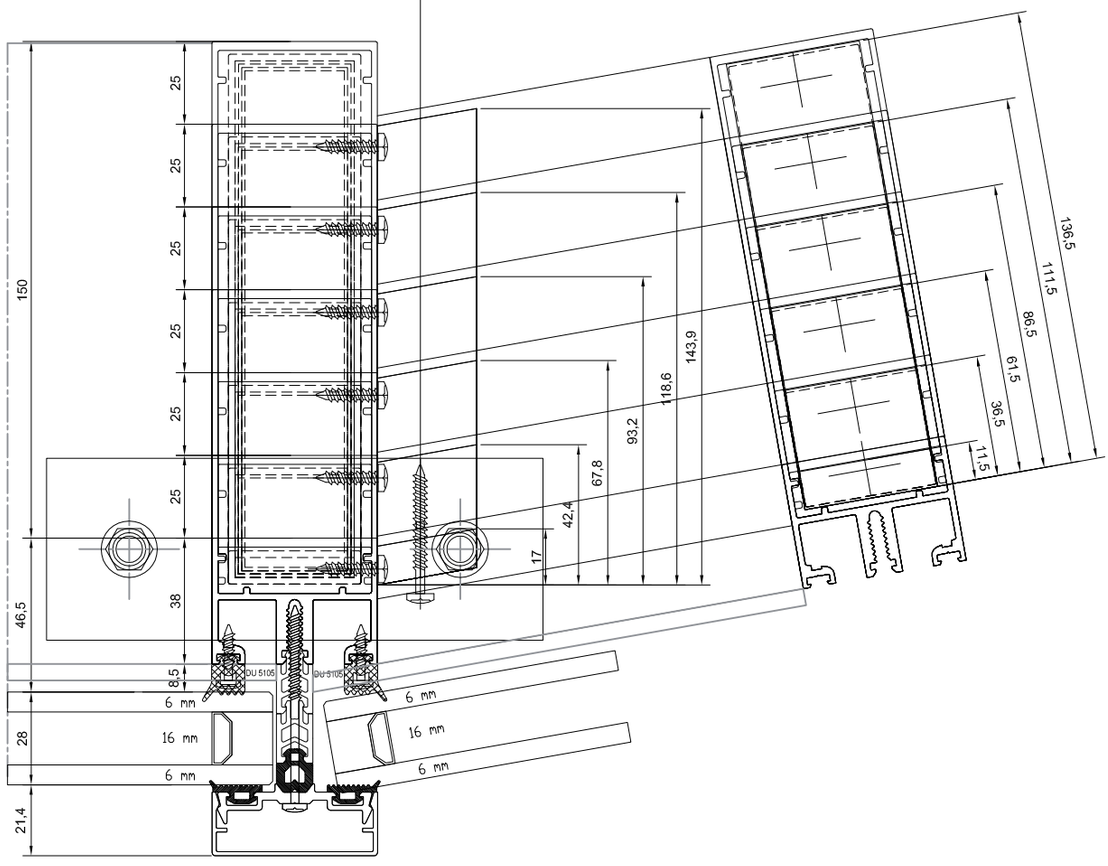
STANDARD FASTNER FIXING and CUTTING SIZES



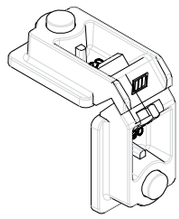
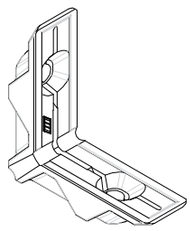
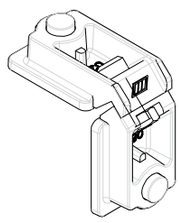
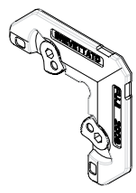
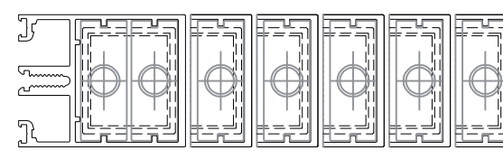
SCHEDE DI MONTAGGIO

STANDARD FASTNER CUTTING
ANGLE maximum 10°



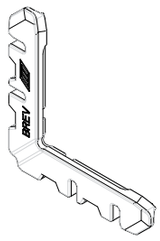


SCHEDE DI MONTAGGIO

0431/250 Aluminium die casted corner with spring bottons 0431/250 Equèrre en aluminum à pions 0431/250 Squadretta in alluminio pressofuso con bottone  For projecting fix frame	
0157/50 Aluminium die casted corner (Pinning-chapfering) 0157/50 Equèrre en aluminum (à goupiller/Sertir) 0157/50 Squadretta in alluminio (Spinare e cianfrinare)  For projecting fix frame	
0417/250 Aluminium die casted corner with spring bottons 0417/250 Equèrre en aluminum à pions 0417/250 Squadretta in alluminio pressofuso con bottone  Projecting window sashes	
2008/250 Aluminium die casted aliging corner 2008/250 Equèrre d'alignement en aluminum 2008/250 Squadretta di allineamento in alluminio  For projecting fix frame	
0.../50 Aluminium die casted T connector for transoms 0.../50 Chevalier en aluminum pour traverses 0.../50 Cavallotto in alluminio per traversi  Betwen mullions already fixed	

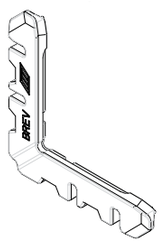
SCHEDE DI MONTAGGIO

0181/200 Aluminium die casted corner (Pinning-chapfering)
0181/200 Equèrre en aluminum (à goupiller/Sertir)
0181/200 Squadretta in alluminio (Spinare e cianfrinare)

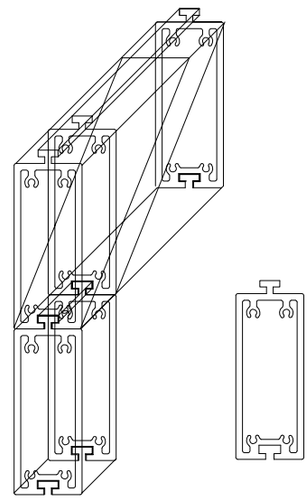


Projecting window sashes

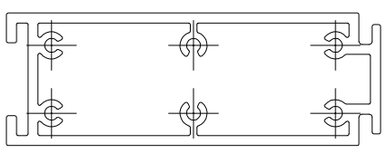
0190/200 Aluminium die casted corner (Pinning-chapfering)
0190F/200 Equèrre en aluminum (à goupiller/Sertir)
0190/200 Squadretta in alluminio (Spinare e cianfrinare)



Projecting window sashes
and
Projecting windows fix frames

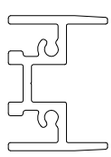


5042 Aluminium die casted connector for mullions
5042 Chevalier en aluminum pour meneaux
5042 Cavallotto in alluminio per montanti

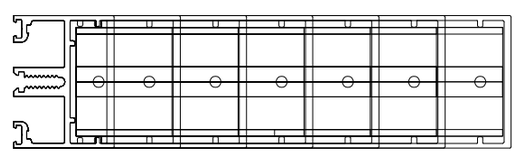


Extruded and deliver in bars
To be cut to dimension

5064 Aluminium die casted T connector for transoms
5064 Chevalier en aluminum pour traverses
5064 Cavallotto in alluminio per traversi

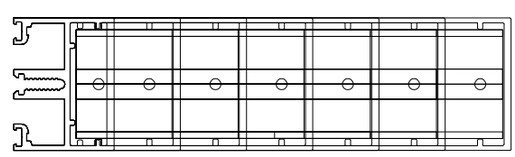


Extruded and deliver in bars
Not frontal insertion allowed!
To be cut to dimension



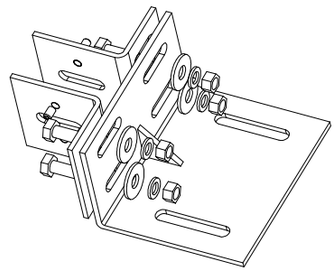
5072 Aluminium die casted T connector for transoms
5072 Chevalier en aluminum pour traverses
5072 Cavallotto in alluminio per traversi

Extruded and deliver in bars
Not frontal insertion allowed!
To be cut to dimension



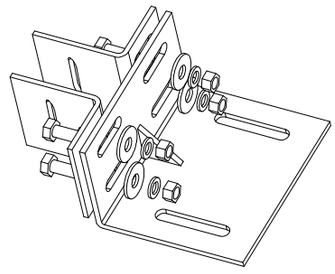
SCHEDE DI MONTAGGIO

ASAE 3096



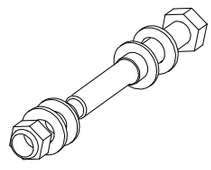
FIXATION BRAKET
CONSOLE DE FIXATION
STAFFA A SOLETTA

ASAE 3097



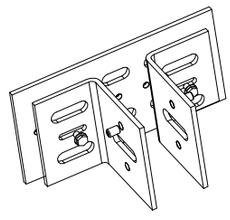
FIXATION BRAKET
CONSOLE DE FIXATION
STAFFA A SOLETTA

ASAE 3139



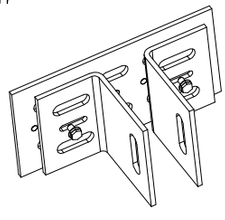
SCREW BOLT
VISSERIE
BULLONE CON BOCCOLE

ASAE 2976



FIXATION BRAKET
CONSOLE DE FIXATION
STAFFA A SOLETTA

ASAE 2977



FIXATION BRAKET
CONSOLE DE FIXATION
STAFFA A SOLETTA

TP PROFILATI

EKOS Curtain Wall 50

ALUMINIUM COLLECTION

TERMAL BREAK COLLECTIONS

TP PROFILATI

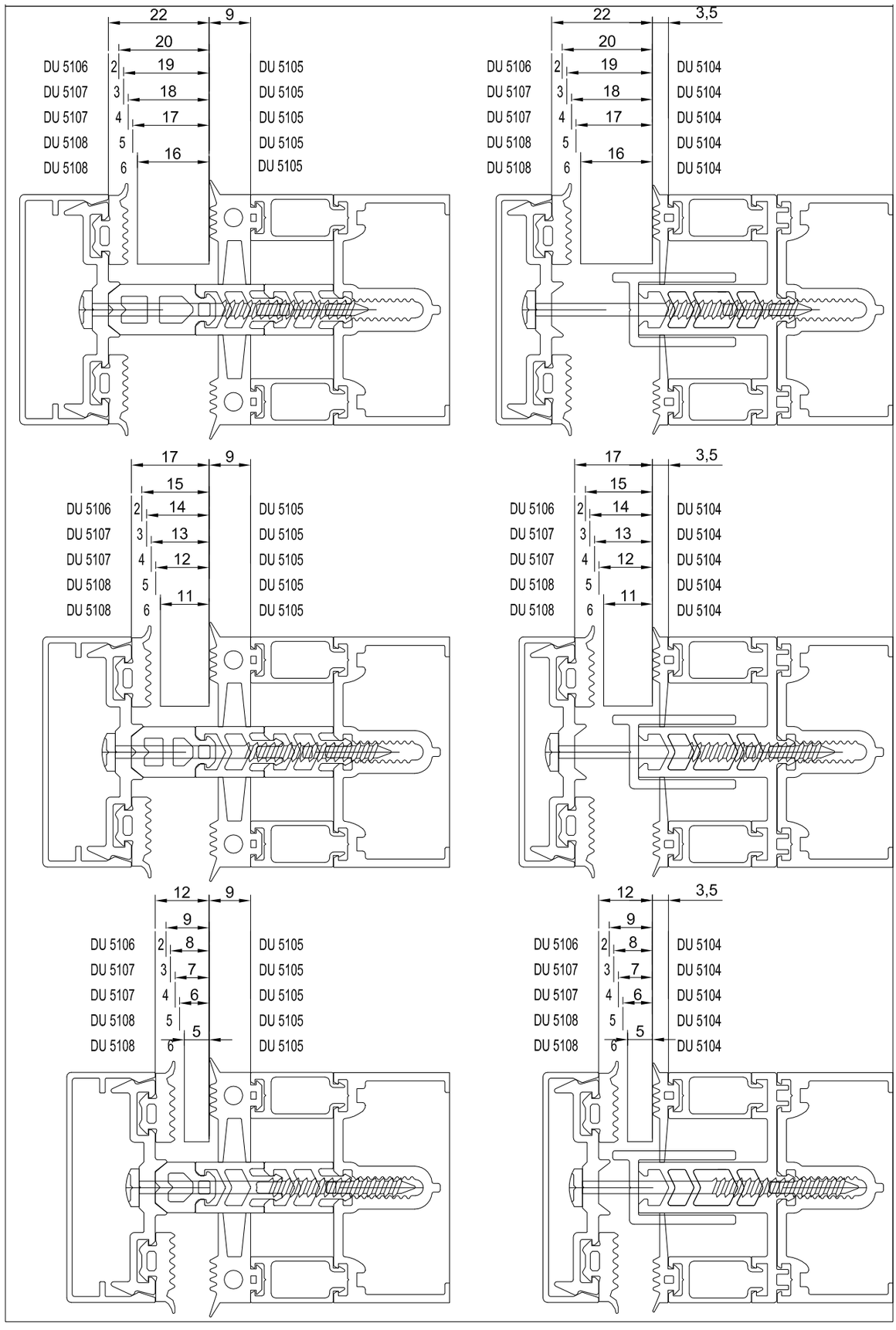
SCHEDE DI VETRAZIONE

GLAZING TABLES

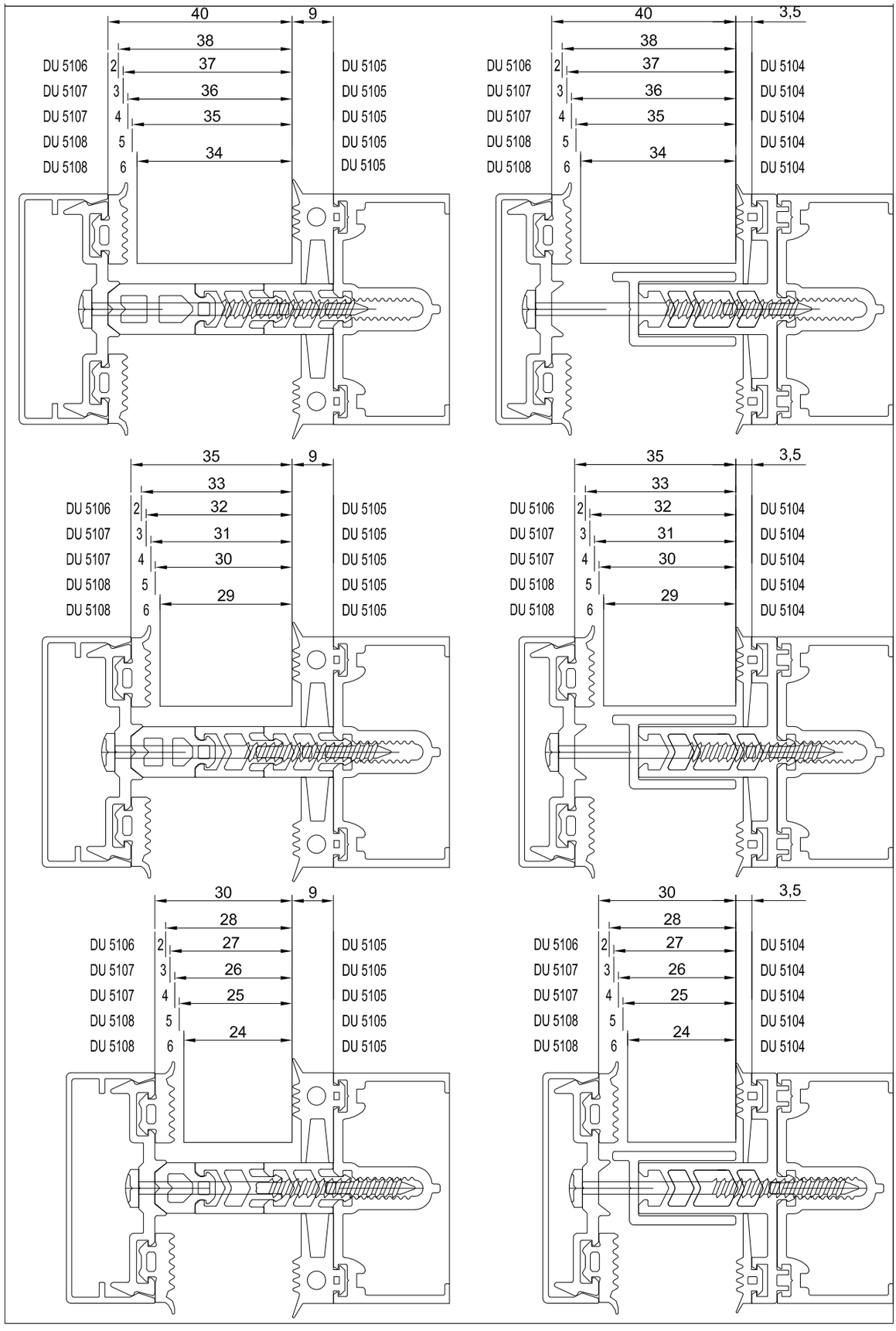
INSTALLATION DES VITRAGES

EKOS
ALUMINIUM COLLECTION

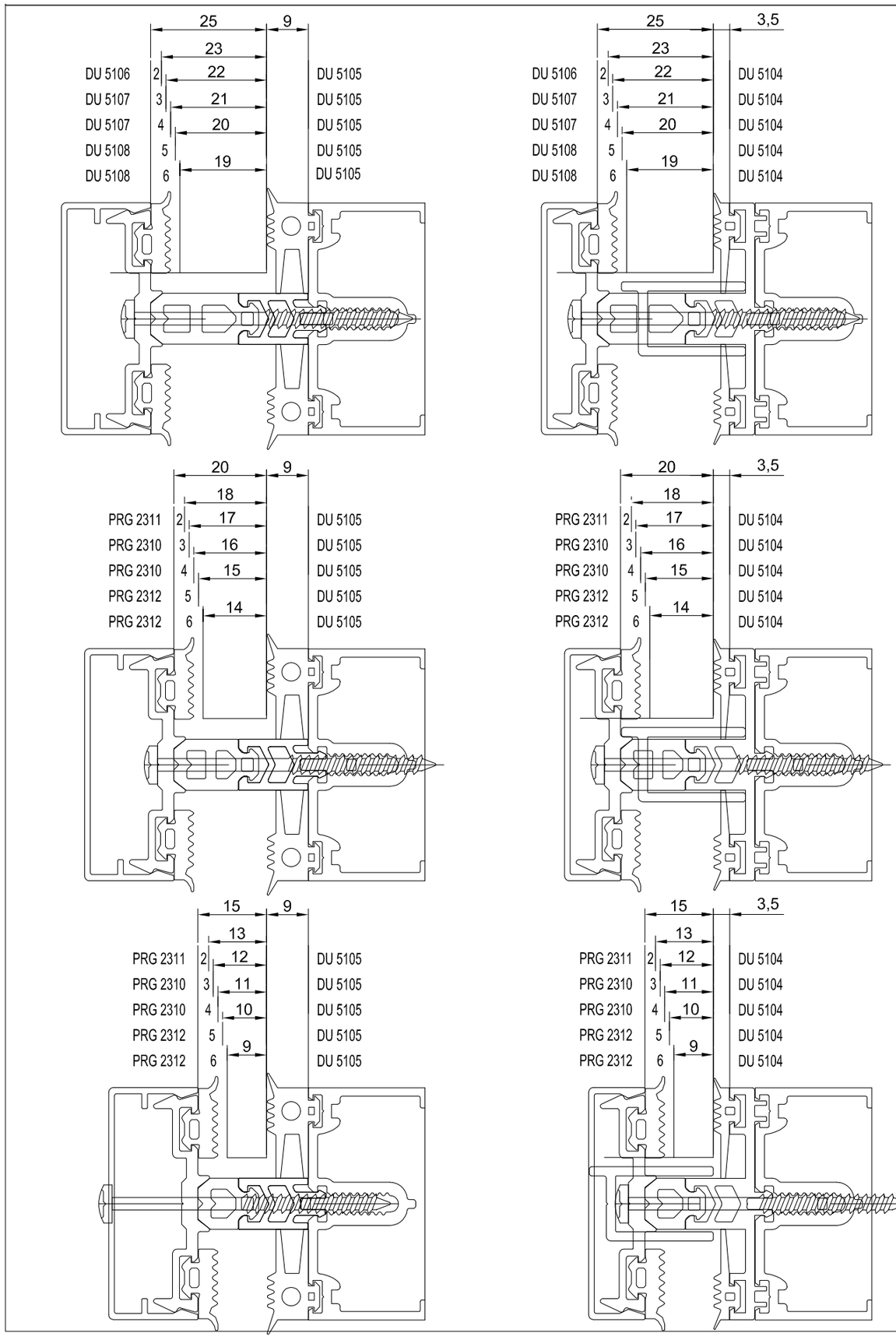
SCHEDE DI VETRAZIONE



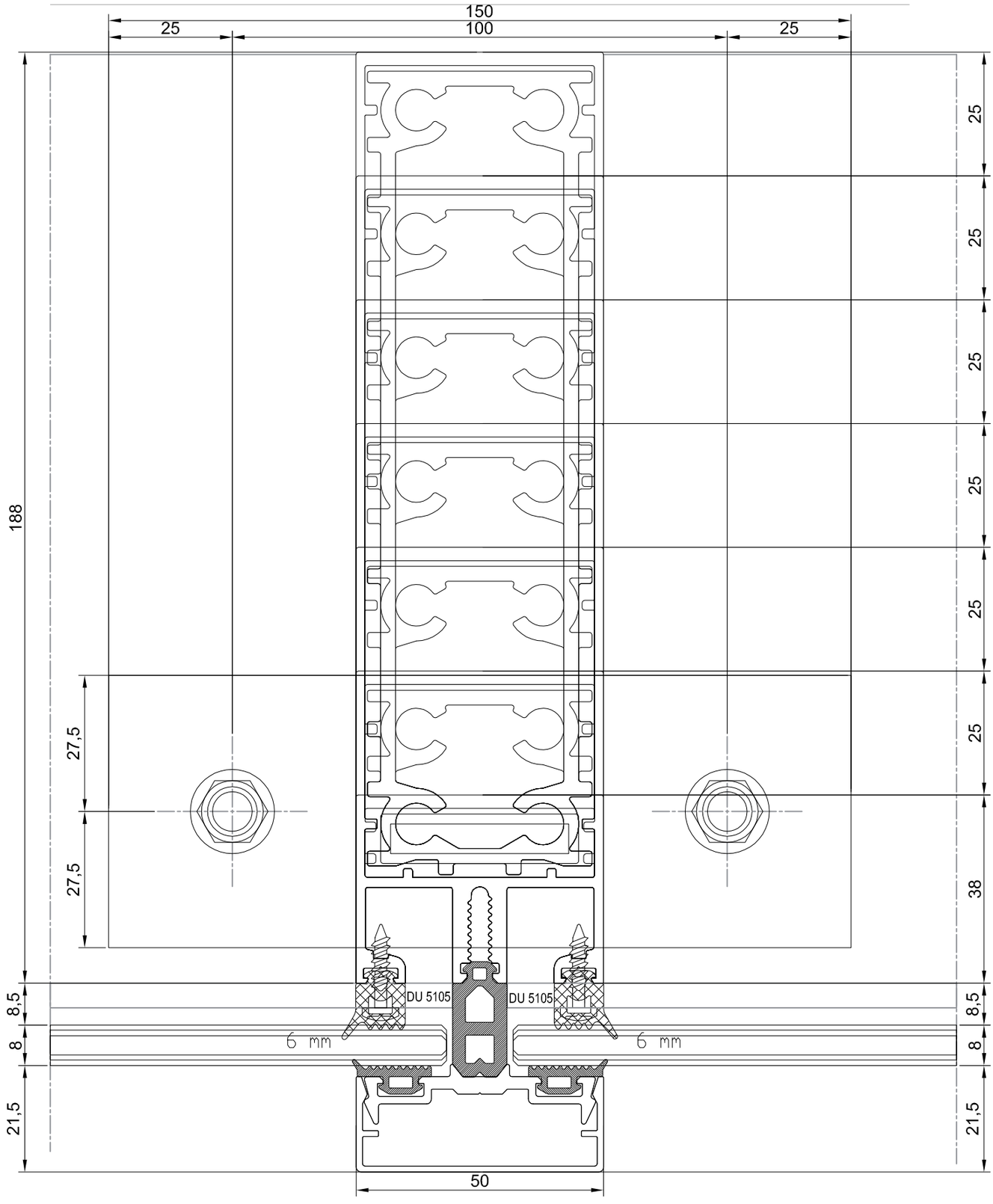
IMPIEGO GUARNIZIONI



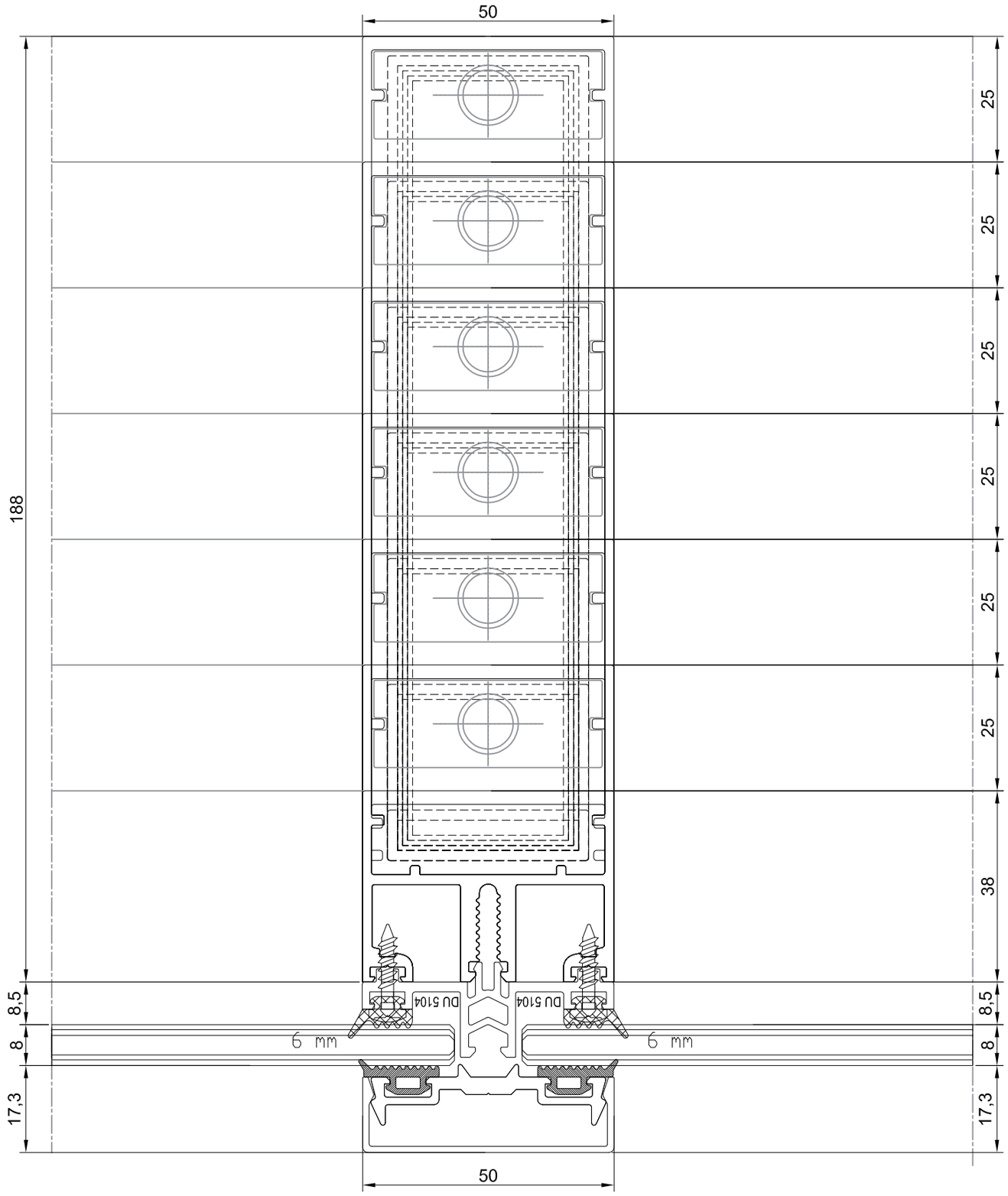
IMPIEGO GUARNIZIONI



SEZIONI IN SCALA 1:1



SEZIONI IN SCALA 1:1



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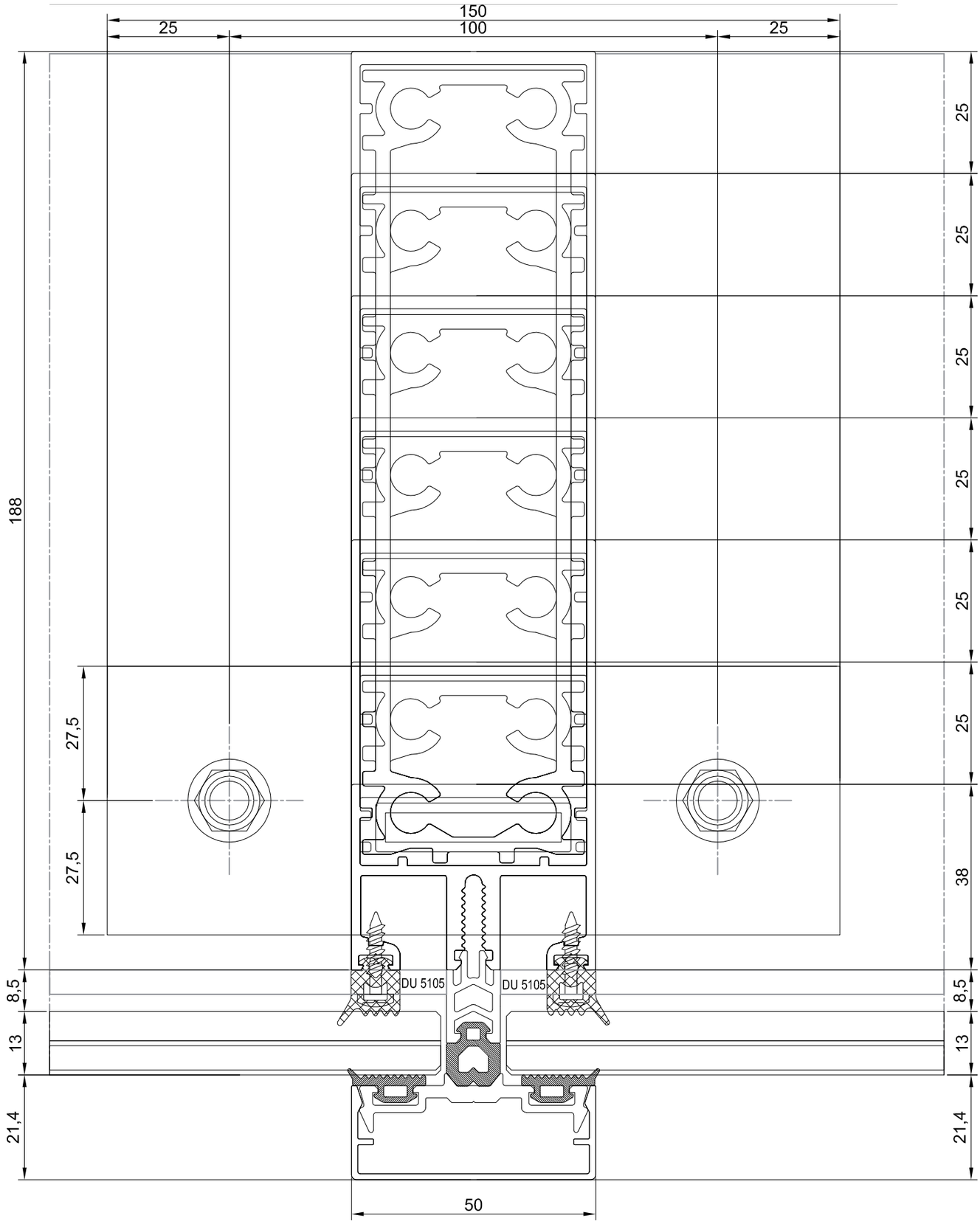

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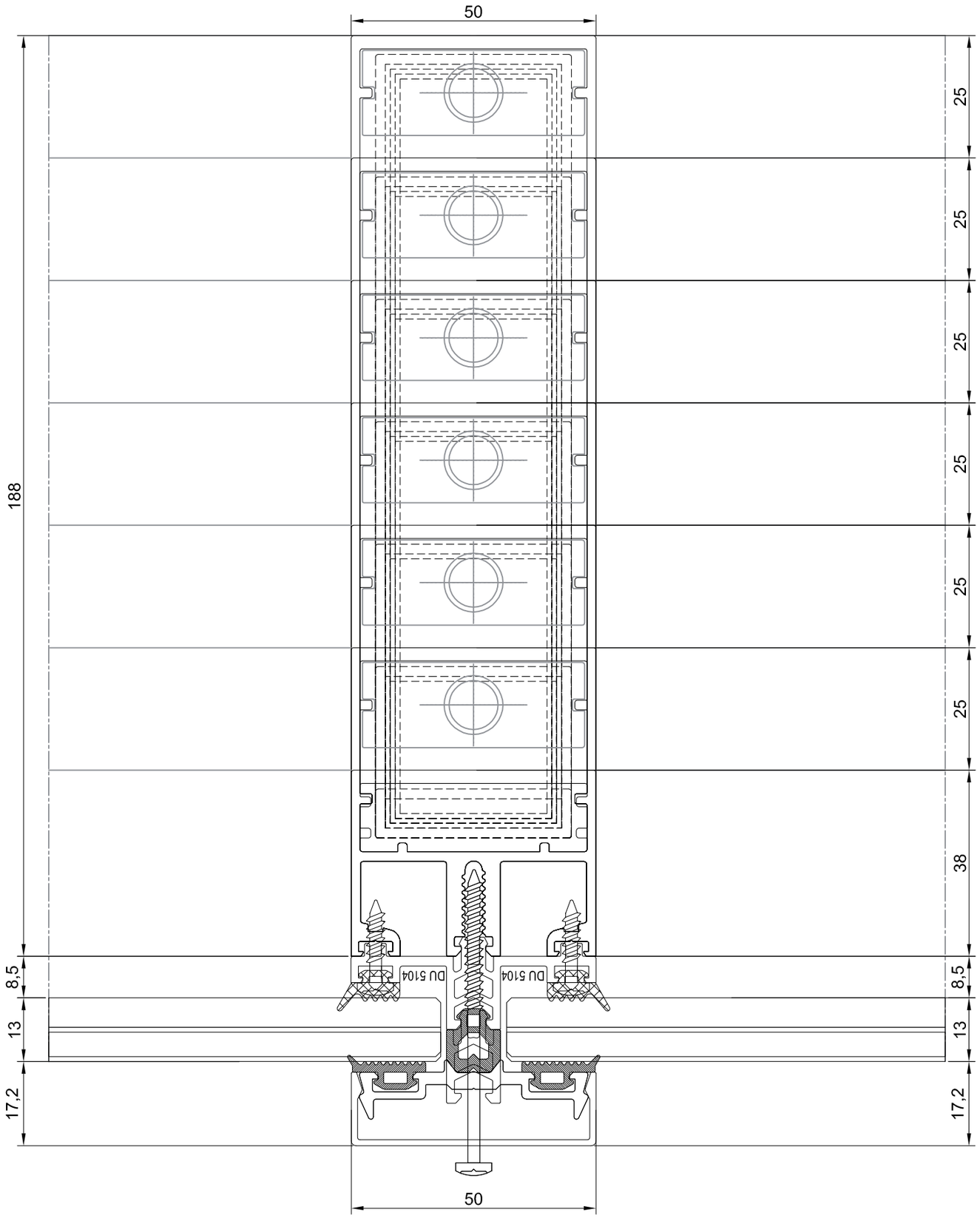
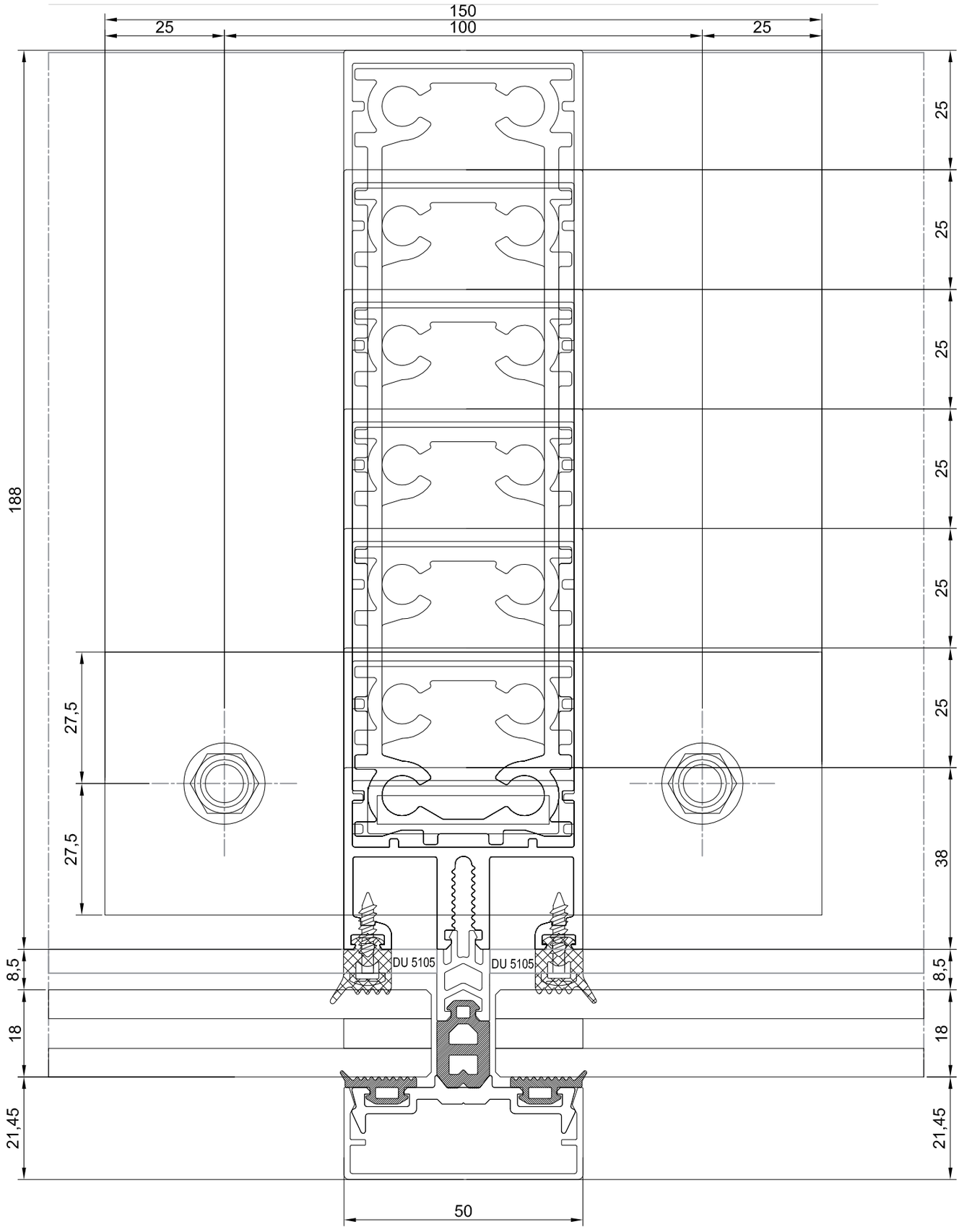
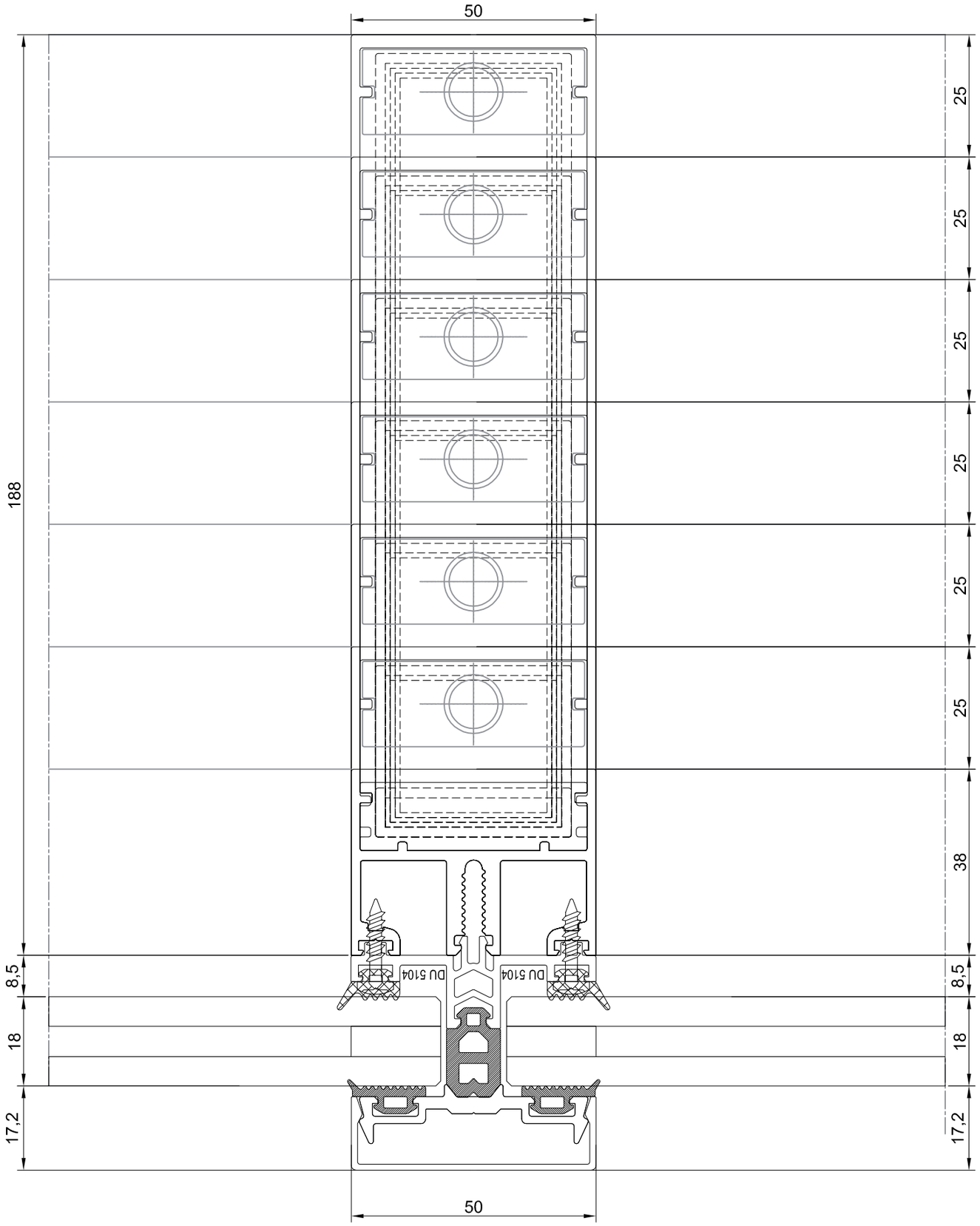


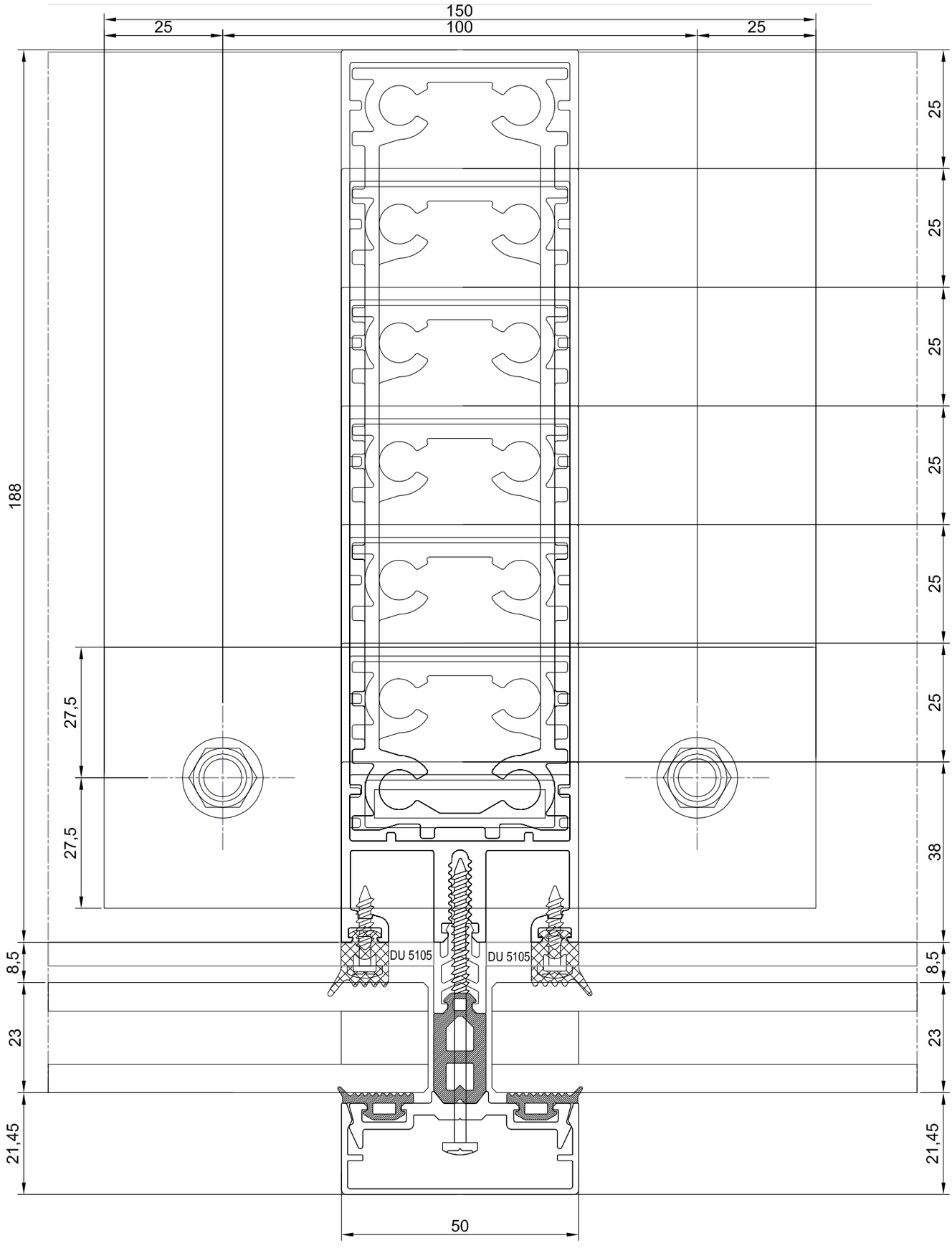
SEZIONI IN SCALA 1:1



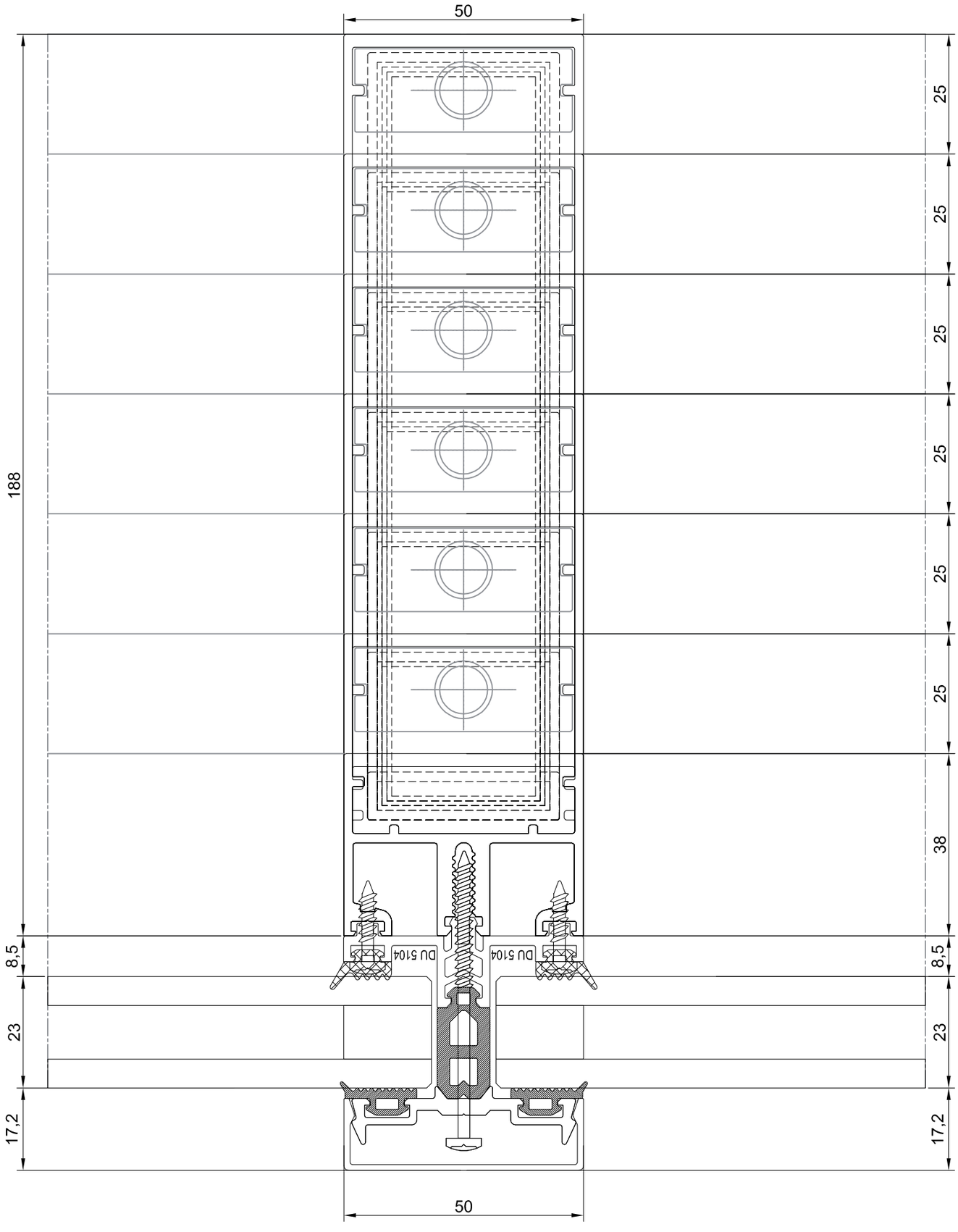
SEZIONI IN SCALA 1:1



SEZIONI IN SCALA 1:1



SEZIONI IN SCALA 1:1



TP PROFILATI

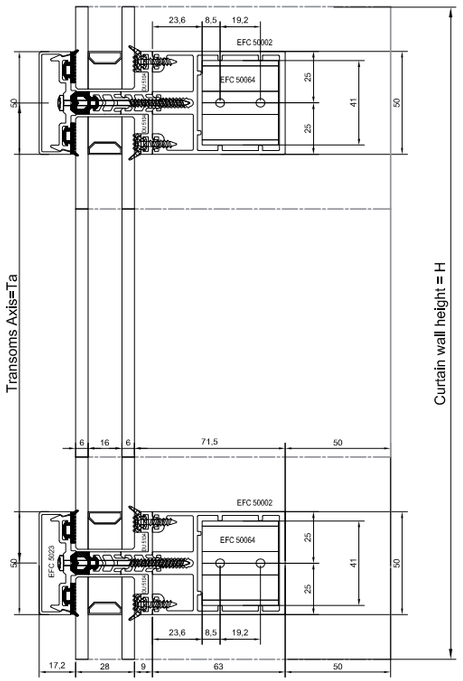
LISTE DI TAGLIO E SEZIONI DEI MODELLI

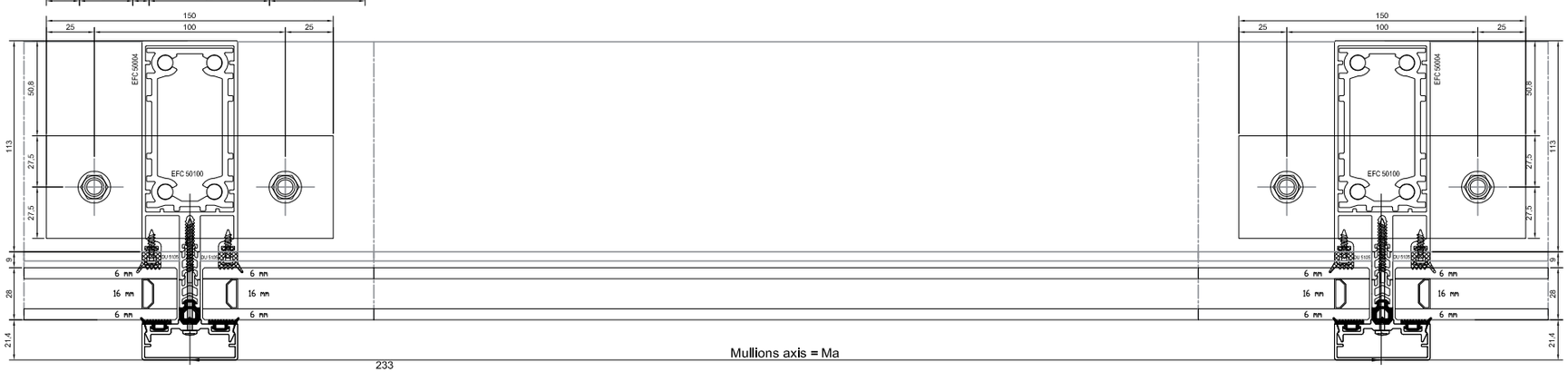
CUTTING SHEETS AND SHOP DRAWINGS

PLANS DE DEBIT ET COUPES DES MODÈLES

EKOS
ALUMINIUM COLLECTION

LISTE DI TAGLIO





Vista esterna Outer view Vue esterieure
Calcolo peso Weight calculation Calcul du poid
Use our software Use the logicIel Usa il software

PROFILI PROFILES PROFILS	CODICE CODE CODE	PEZZI PIECES PIECES	MISURA SIZE MESURE	TAGLIO CUTTING COUPE
Mullions	Various	M.n°	H-0	90°-90°
Transoms	Various	T.n°	Ma-50	90°-90°
Mullion Spacer	TF218200	M.N°x2	H-0	90°-90°
Transom Spacer	CW5066	T.n°x1	Ma-13	90°-90°
Mullion P. Plate	CW5023	M.n°x1	H-0	90°-90°
Transom P.Plate	CW5023	T.n°x1	Ma-50	90°-90°
Mullion Cover	CW5025	M.n°x1	H-0	90°-90°
Transom Cover	CW5031	T.n°x1	Ma-52	90°-90°

DISTINTA VETRI GLASS LIST LISTE DES VITRAGES	PEZZI PIECES PIECES	MISURE L x H SIZES L x H DIMENSION L x H
Fix parts glasses	1	(LG= Ma-17) x (HG=Ta-17)

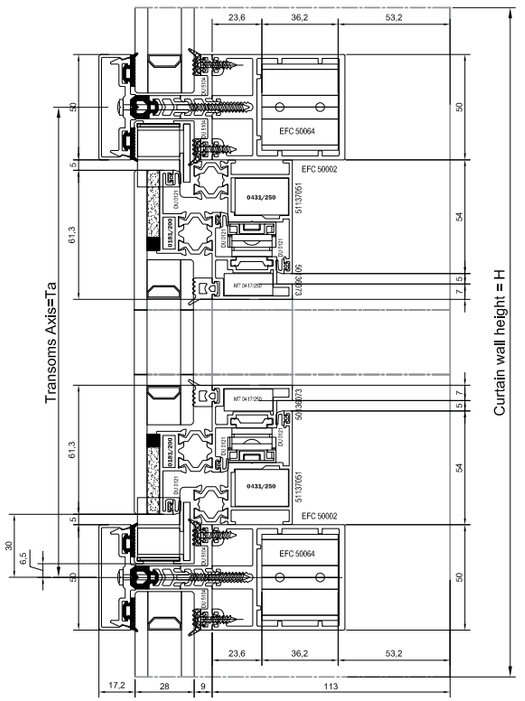
GUARNIZIONI GASKETS JOINTS	CODICE CODE CODE	PEZZI PIECES PIECES
Central gasket hor.	DU5001	(Ma-10)xT.n°
Central gasket Vert.	DU5001	(H-0)xM.n°
Outer glazing hor.	DU5106	(Ma-50)xT.n°x2
Inner glazing hor.	DU5104	(Ma-10)xT.n°x2
Outer glazing vert.	DU5106	H x M.n°x2
Inner glazing vert.	DU5105	H x M.n°x2

ACCESSORI PERSONALIZZATI SYSTEM ACCESSORIES ACCESSOIRES DE SYSTEME	CODICE CODE CODE	PEZZI PIECES PIECES
Transoms fastners	MT5507	T.n°x4
Pressure plates screws	4.8x60	*
5066 and trasoms fixing	4.8x13	T.n°x8
Transoms plugs	DUTrans	T.n°x2
Glass Supports	CW5065	T.n°x3
Glass thickness	Plastic	T.n°x4

Pressure plates total lenghts / 250 mm

ACCESSORI COMMERCIALI STANDARD HARWARE ACCESSOIRES STANDARD	CODICE CODE CODE	PEZZI PIECES PIECES
See the hardware tables		

LISTE DI TAGLIO



Vista esterna Outer view Vue esterieure
Calcolo peso Weight calculation Calcul du poid
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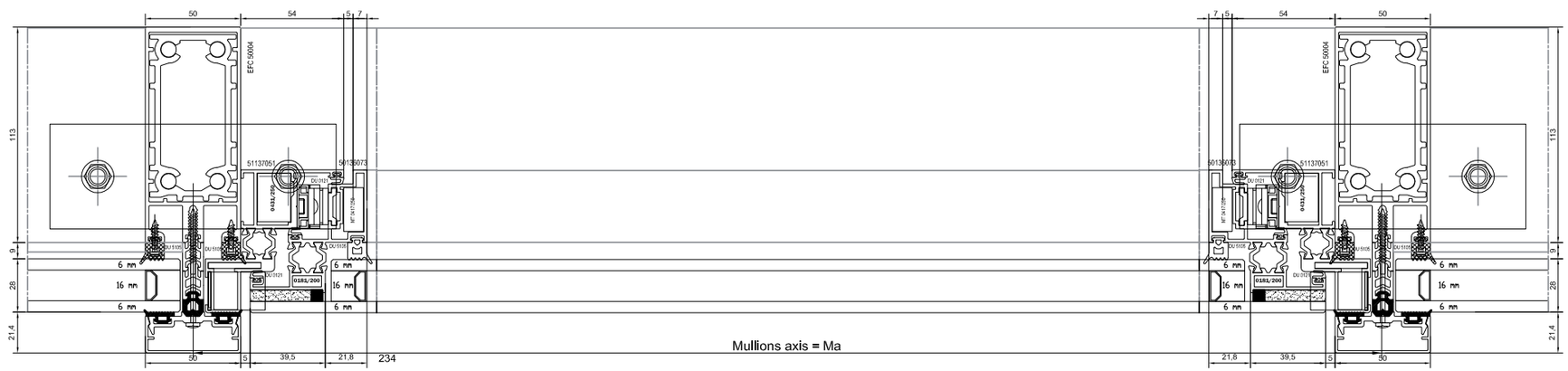
PROFILI PROFILES PROFILS	CODICE CODE CODE	PEZZI PIECES PIECES	MISURA SIZE MESURE	TAGLIO CUTTING COUPE
Mullions	Various	M.n°	H-0	90°-90°
Transoms	Various	T.n°	Ma-50	90°-90°
Mullion Spacer	TF218200	M.N°x2	H-0	90°-90°
Transom Spacer	CW5066	T.n°x1	Ma-13	90°-90°
Mullion P. Plate	CW5023	M.n°x1	H-0	90°-90°
Transom P.Plate	CW5023	T.n°x1	Ma-50	90°-90°
Mullion Cover	CW5025	M.n°x1	H-0	90°-90°
Transom Cover	CW5031	T.n°x1	Ma-52	90°-90°
Opening fix frame	50137051	2	Ma-13	45°-45°
Opening fix frame	50137051	2	Ta-13	45°-45°
Opening Sash	50136073	2	Ma-60	45°-45°
Opening Sash	50136073	2	Ta-60	45°-45°

DISTINTA VETRI GLASS LIST LISTE DES VITRAGES	PEZZI PIECES PIECES	MISURE L x H SIZES L x H DIMENSION L x H
Fix Parts glazing	1	(LG= Ma-17) x (HG=Ta-17)
Projecting window glazing 1	1	(LG= Ma-60) x (HG=Ta-60)
Projecting window glazing 2		(LG= Ma-60) x (HG=Ta-60)

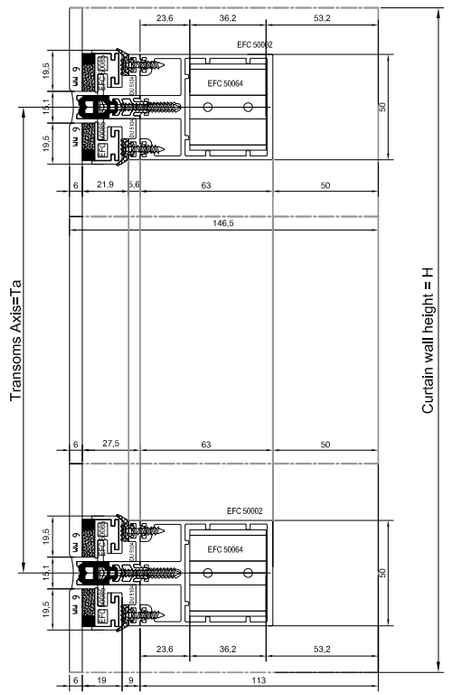
*Pressure plates total lenghts / 250 mm

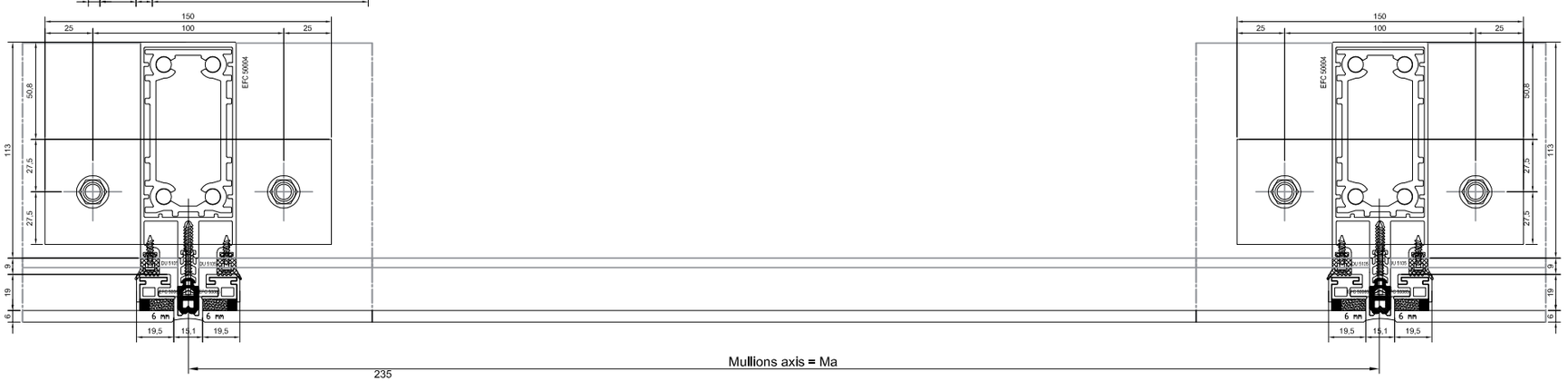
GUARNIZIONI GASKETS JOINTS	CODICE CODE CODE	PEZZI PIECES PIECES
Central gasket hor.	DU5001	(Ma-10)xT.n°
Central gasket Vert.	DU5001	(H-0)xM.n°
Outer glazing hor.	DU5106	(Ma-50)xT.n°x2
Inner glazing hor.	DU5104	(Ma-10)xT.n°x2
Outer glazing vert.	DU5106	H x M.n°x2
Inner glazing vert.	DU5105	H x M.n°x2
Overlap gasket hor.1	DU121	(Ma-144)xT.n°x2
Overlap gasket Vert.1	DU121	(Ta-144)xM.n°x2
Overlap gasket hor.2	DU121	(Ma-100)xT.n°x2
Overlap gasket Vert.2	DU121	(Ta-100)xM.n°x2
Overlap gasket hor.3	DU121	(Ma-74)xT.n°x2
Overlap gasket Vert.3	DU121	(Ta-74)xM.n°x2
Sash gasket hor.4	DU5105	(Ma-162)xT.n°x2
Sash gasket Vert.4	DU5105	(Ta-162)xM.n°x2

ACCESSORI PERSONALIZZATI SYSTEM ACCESSORIES ACCESSOIRES DE SYSTEME	CODICE CODE CODE	PEZZI PIECES PIECES
Transoms fastners	MT5507	T.n°x4
Fix frame corners 1	0431/250	4
Fix frame corners 2	Extruded	4
Sashes corners 1	0417/250	4
Sashes corners 2	0363/250	4
Pressure plates screws	4.8x60	*
5066 and trasoms fixing	4.8x13	T.n°x8
Transoms plugs	DUTrans	T.n°x2
Glass Supports	CW5065	T.n°x3
Curtain wall cremone	FP0770	1
Curtain wall cremone	FP0770AD	
Latching points	FP1598C	X
Pins for latching points	FP1595	X
Corners for rods (optionals)	FP1515B	2
Harms type C-D-F-H	FP3250C-D-F-H 1 Couple	



LISTE DI TAGLIO





Vista esterna
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PROFILI PROFILES PROFILS	CODICE CODE CODE	PEZZI PIECES PIECES	MISURA SIZE MESURE	TAGLIO CUTTING COUPE
Mullions	Various	M.n°	H-0	90°-90°
Transoms	Various	T.n°	Ma-50	90°-90°
Mullion Spacer	TF218200	M.N°x1	H-0	90°-90°
Transom Spacer	CW5090	T.n°x1	Ma-13	90°-90°
Mullion P. Plate*	CW5023	M.n°x1	H-0	90°-90°
Transom P.Plate*	CW5023	T.n°x1	Ma-50	90°-90°
Mullion Cover*	CW5025	M.n°x1	H-0	90°-90°
Transom Cover*	CW5031	T.n°x1	Ma-52	90°-90°
Hor. Glass frame	CW5086	T.n°x2	Ma-15	45°-45°
Vert. Glass frame	CW5086	M.n°x2	Ta-15	45°-45°
Hor.Structural Glass	CW5085	T.n°x2	Ma-10	45°-45°
Ver.Structural Glass	CW5085	M.n°x2	Ta-10	45°-45°

DISTINTA VETRI GLASS LIST LISTE DES VITRAGES	PEZZI PIECES PIECES	MISURE L x H SIZES L x H DIMENSION L x H
Fix parts glasses	1	(LG= Ma-10) x (HG=Ta-10)

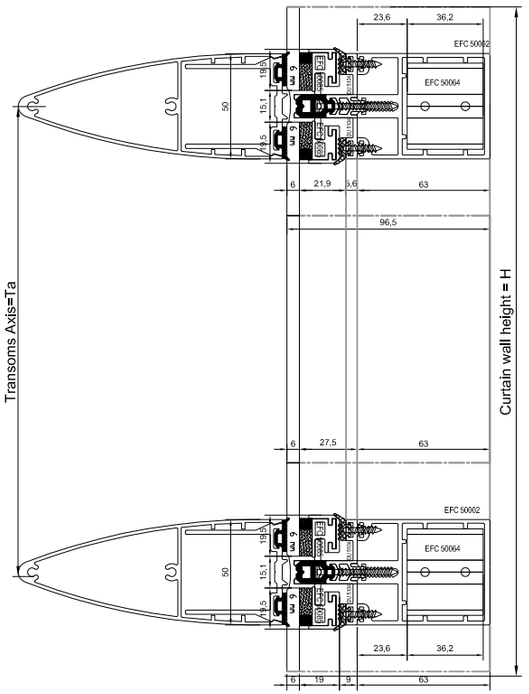
GUARNIZIONI GASKETS JOINTS	CODICE CODE CODE	PEZZI PIECES PIECES
Central gasket hor.	DU5001	(Ma-10)xT.n°
Central gasket Vert.	DU5001	(H-0)xM.n°
Outer glazing hor.*	DU5106	(Ma-50)xT.n°x2
Inner glazing hor.*	DU5104	(Ma-10)xT.n°x2
Outer glazing vert.*	DU5106	H x M.n°x2
Inner glazing vert.*	DU5105	H x M.n°x2

ACCESSORI PERSONALIZZATI SYSTEM ACCESSORIES ACCESSOIRES DE SYSTEME	CODICE CODE CODE	PEZZI PIECES PIECES
Transoms fastners	MT5507	T.n°x4
Pressure plates screws	4.8x60	*
5090 and trasoms fixing	4.8x13	T.n°x8
Transoms plugs	DUTrans	T.n°x2
Glass Supports	CW5065	T.n°x3
Glass thickness	Plastic	T.n°x4

Pressure plates total lenghts / 250 mm

ACCESSORI COMMERCIALI STANDARD HARWARE ACCESSOIRES STANDARD	CODICE CODE CODE	PEZZI PIECES PIECES
See the hardware tables		

*** Covers cannot be install on opening areas, to install covers on opening lines select another model**
For the glass fabrication with structural silicon please follow our instructions



Vista esterna
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PROFILI PROFILES PROFILS	CODICE CODE CODE	PEZZI PIECES PIECES	MISURA SIZE MESURE	TAGLIO CUTTING COUPE
Mullions	Various	M.n°	H-0	90°-90°
Transoms	Various	T.n°	Ma-50	90°-90°
Mullion Spacer	TF218200	M.N°x1	H-0	90°-90°
Transom Spacer	CW5090	T.n°x1	Ma-13	90°-90°
Mullion P. Plate*	CW5023	M.n°x1	H-0	90°-90°
Transom P.Plate*	CW5023	T.n°x1	Ma-50	90°-90°
Mullion Cover*	CW5025	M.n°x1	H-0	90°-90°
Transom Cover*	CW5031	T.n°x1	Ma-52	90°-90°
Hor. Glass frame	CW5086	T.n°x2	Ma-15	45°-45°
Vert. Glass frame	CW5086	M.n°x2	Ta-15	45°-45°
Hor.Structural Glass	CW5085	T.n°x2	Ma-10	45°-45°
Ver.Structural Glass	CW5085	M.n°x2	Ta-10	45°-45°

DISTINTA VETRI GLASS LIST LISTE DES VITRAGES	PEZZI PIECES PIECES	MISURE L x H SIZES L x H DIMENSION L x H
Fix parts glasses	1	(LG= Ma-10) x (HG=Ta-10)

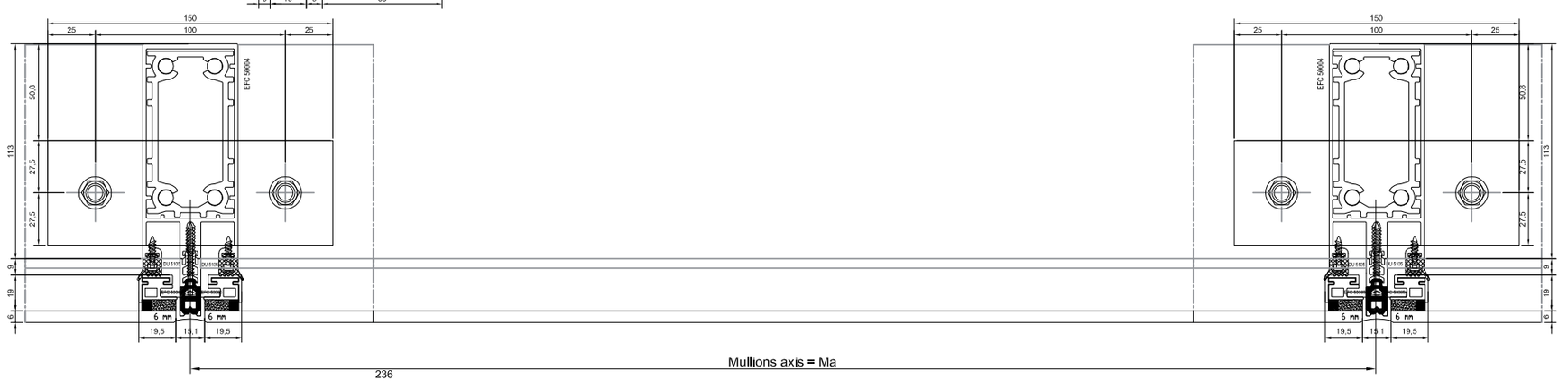
GUARNIZIONI GASKETS JOINTS	CODICE CODE CODE	PEZZI PIECES PIECES
Central gasket hor.	DU5001	(Ma-10)xT.n°
Central gasket Vert.	DU5001	(H-0)xM.n°
Outer glazing hor.*	DU5106	(Ma-50)xT.n°x2
Inner glazing hor.*	DU5104	(Ma-10)xT.n°x2
Outer glazing vert.*	DU5106	H x M.n°x2
Inner glazing vert.*	DU5105	H x M.n°x2

ACCESSORI PERSONALIZZATI SYSTEM ACCESSORIES ACCESSOIRES DE SYSTEME	CODICE CODE CODE	PEZZI PIECES PIECES
Transoms fastners	MT5507	T.n°x4
Pressure plates screws	4.8x60	*
5090 and trasoms fixing	4.8x13	T.n°x8
Transoms plugs	DUTrans	T.n°x2
Glass Supports	CW5065	T.n°x3
Glass thickness	Plastic	T.n°x4

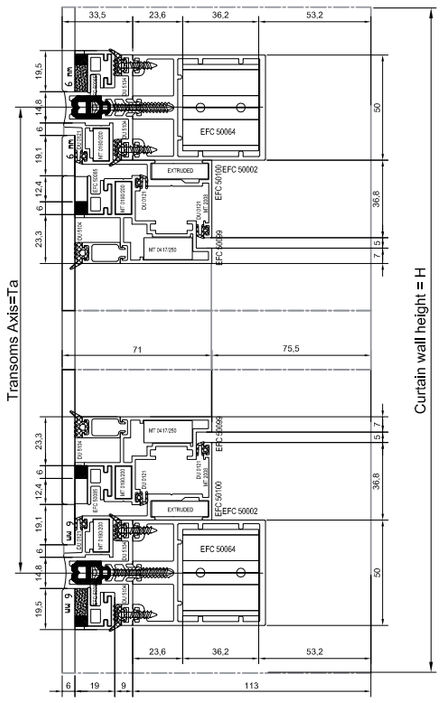
Pressure plates total lenghts / 250 mm

ACCESSORI COMMERCIALI STANDARD HARWARE ACCESSOIRES STANDARD	CODICE CODE CODE	PEZZI PIECES PIECES
See the hardware tables		

*** Covers cannot be install on opening areas, to install covers on opening lines select another model**
For the glass fabrication with structural silicon please follow our instructions



LISTE DI TAGLIO



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For the glass fabrication with structural silicon please follow our Instructions

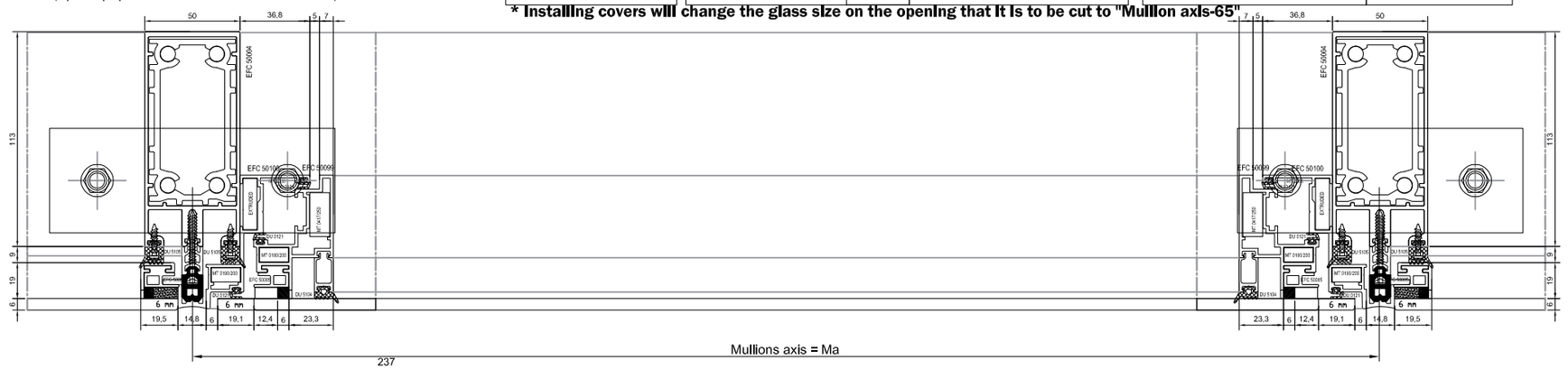
PROFILI PROFILES PROFILS	CODICE CODE CODE	PEZZI PIECES PIECES	MISURA SIZE MESURE	TAGLIO CUTTING COUPE
Mullions	Various	M.n°	H-0	90°-90°
Transoms	Various	T.n°	Ma-50	90°-90°
Mullion Spacer	TF218200	M.N°x1	H-0	90°-90°
Transom Spacer	CW5090	T.n°x1	Ma-13	90°-90°
Mullion P. Plate*	CW5023	M.n°x1	H-0	90°-90°
Transom P.Plate*	CW5023	T.n°x1	Ma-50	90°-90°
Mullion Cover*	CW5025	M.n°x1	H-0	90°-90°
Transom Cover*	CW5031	T.n°x1	Ma-52	90°-90°
Hor. Glass frame	CW5086	T.n°x2	Ma-15	45°-45°
Vert. Glass frame	CW5086	M.n°x2	Ta-15	45°-45°
Hor.Structural Glass	CW5085	T.n°x2	Ma-10	45°-45°
Ver.Structural Glass	CW5085	M.n°x2	Ta-10	45°-45°
Opening fix frame	CW5100	2	Ma-15	45°-45°
Opening fix frame	CW5100	2	Ta-15	45°-45°
Opening Sash	CW5099	2	Ma-65	45°-45°
Opening Sash	CW5099	2	Ta-65	45°-45°
Hor.Structural Glass	CW5085	T.n°x2	Ma-65	45°-45°
Ver.Structural Glass	CW5085	M.n°x2	Ta-65	45°-45°
Hor.Glass adapter	CW5040	T.n°x2	Ma-146	45°-45°
Vert.Glass adapter	CW5040	M.n°x2	Ta-128	45°-45°

DISTINTA VETRI GLASS LIST LISTE DES VITRAGES	PEZZI PIECES PIECES	MISURE L x H SIZES L x H DIMENSION L x H
Fix parts glasses	1	(LG= Ma-10) x (HG=Ta-10)
Projecting window glass	1	(LG= Ma-29) x (HG=Ta-29)

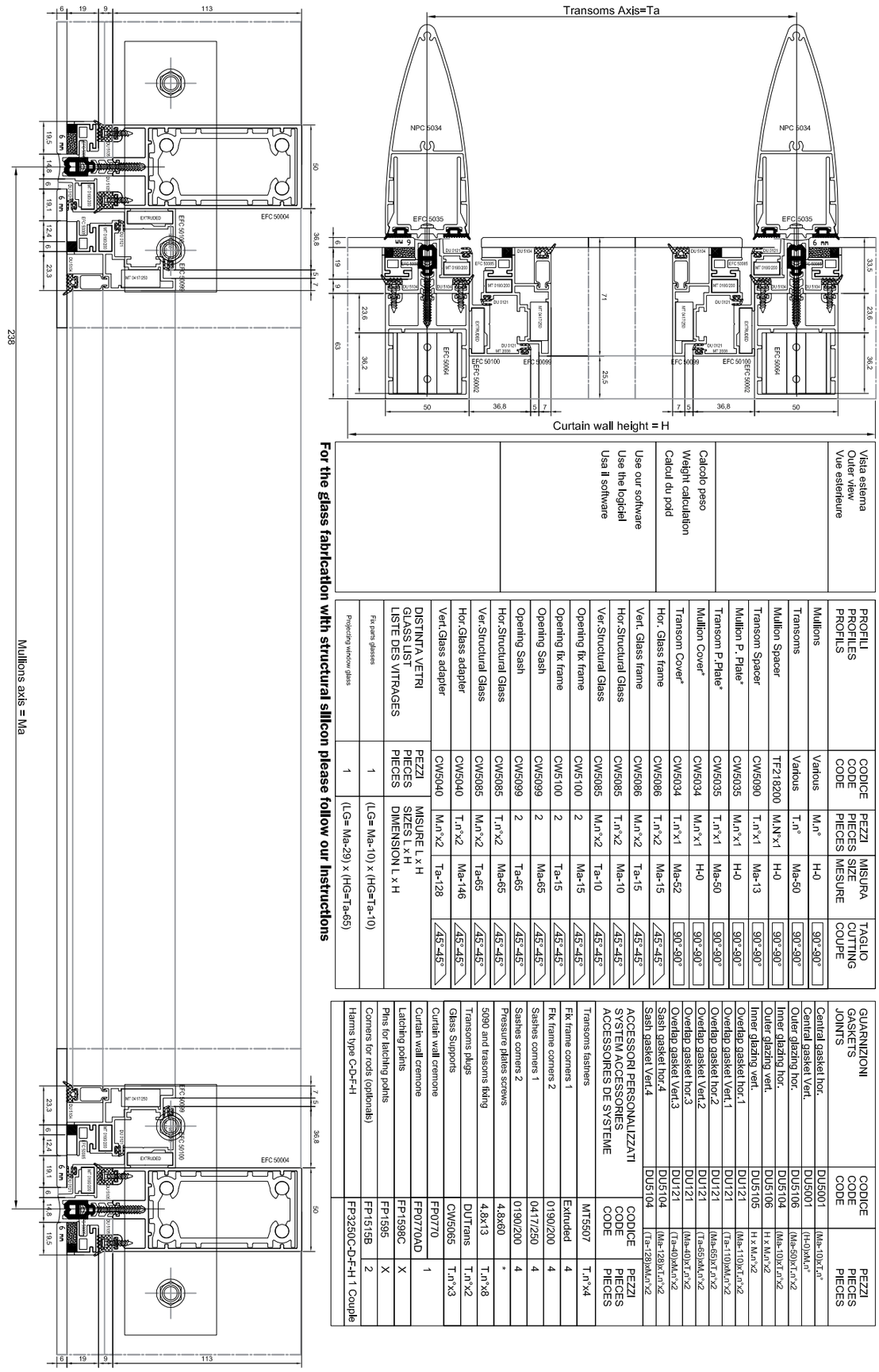
GUARNIZIONI GASKETS JOINTS	CODICE CODE CODE	PEZZI PIECES PIECES
Central gasket hor.	DU5001	(Ma-10)xT.n°
Central gasket Vert.	DU5001	(H-0)xM.n°
Outer glazing hor.	DU5106	(Ma-50)xT.n°x2
Inner glazing hor.	DU5104	(Ma-10)xT.n°x2
Outer glazing vert.	DU5106	H x M.n°x2
Inner glazing vert.	DU5105	H x M.n°x2
Overlap gasket hor.1	DU121	(Ma-110)xT.n°x2
Overlap gasket Vert.1	DU121	(Ta-110)xM.n°x2
Overlap gasket hor.2	DU121	(Ma-65)xT.n°x2
Overlap gasket Vert.2	DU121	(Ta-65)xM.n°x2
Overlap gasket hor.3	DU121	(Ma-40)xT.n°x2
Overlap gasket Vert.3	DU121	(Ta-40)xM.n°x2
Sash gasket hor.4	DU5104	(Ma-128)xT.n°x2
Sash gasket Vert.4	DU5104	(Ta-128)xM.n°x2

ACCESSORI PERSONALIZZATI SYSTEM ACCESSORIES ACCESSOIRES DE SYSTEME	CODICE CODE CODE	PEZZI PIECES PIECES
Transoms fastners	MT5507	T.n°x4
Fix frame corners 1	Extruded	4
Fix frame corners 2	0190/200	4
Sashes corners 1	0417/250	4
Sashes corners 2	0190/200	4
Pressure plates screws	4.8x60	*
5090 and trasoms fixing	4.8x13	T.n°x8
Transoms plugs	DUTrans	T.n°x2
Glass Supports	CW5065	T.n°x3
Curtain wall cremone	FP0770	1
Curtain wall cremone	FP0770AD	
Latching points	FP1598C	X
Pins for latching points	FP1595	X
Corners for rods (optionals)	FP1515B	2
Harms type C-D-F-H	FP3250C-D-F-H	1 Couple

*** Installing covers will change the glass size on the opening that it is to be cut to "Mullion axis-65"**



LISTE DI TAGLIO



PROFILI PROFILES PROFILS	CODICE CODE CODE	PEZZI PIECES PIECES	MISURA SIZE MESURE	TAGLIO CUTTING COUPE
Mullions	Various	M.n°	H-0	90°-90°
Transoms	Various	T.n°	Ma-50	90°-90°
Mullion Spacer	TF218200	M.N°x1	H-0	90°-90°
Transom Spacer	CW5090	T.n°x1	Ma-13	90°-90°
Mullion P. Plate*	CW5035	M.n°x1	H-0	90°-90°
Transom P.Plate*	CW5035	T.n°x1	Ma-50	90°-90°
Mullion Cover*	CW5034	M.n°x1	H-0	90°-90°
Transom Cover*	CW5034	T.n°x1	Ma-52	90°-90°
Hor. Glass frame	CW5086	T.n°x2	Ma-15	45°-45°
Vert. Glass frame	CW5086	M.n°x2	Ta-15	45°-45°
Hor.Structural Glass	CW5085	T.n°x2	Ma-10	45°-45°
Ver.Structural Glass	CW5085	M.n°x2	Ta-10	45°-45°
Opening fix frame	CW5100	2	Ma-15	45°-45°
Opening fix frame	CW5100	2	Ta-15	45°-45°
Opening Sash	CW5099	2	Ma-65	45°-45°
Opening Sash	CW5099	2	Ta-65	45°-45°
Hor.Structural Glass	CW5085	T.n°x2	Ma-65	45°-45°
Ver.Structural Glass	CW5085	M.n°x2	Ta-65	45°-45°
Hor.Glass adapter	CW5040	T.n°x2	Ma-146	45°-45°
Vert.Glass adapter	CW5040	M.n°x2	Ta-128	45°-45°
DISTINTA VETRI GLASS LIST LISTE DES VITRAGES	PEZZI PIECES PIECES	1	MISURE L x H SIZES L x H DIMENSION L x H	
Fix parts glasses		1	(LG= Ma-10) x (HG=Ta-10)	
Projecting wiNcow glass		1	(LG= Ma-29) x (HG=Ta-65)	

GUARNIZIONI GASKETS JOINTS	CODICE CODE CODE	PEZZI PIECES PIECES
Central gasket hor.	DU5001	(Ma-10)xT.n°
Central gasket Vert.	DU5001	(H-D)xM.n°
Outer glazing hor.	DU5106	(Ma-50)xT.n°x2
Inner glazing hor.	DU5104	(Ma-10)xT.n°x2
Outer glazing vert.	DU5106	H x M.n°x2
Inner glazing vert.	DU5105	H x M.n°x2
Overlap gasket hor.1	DU121	(Ma-110)xT.n°x2
Overlap gasket Vert.1	DU121	(Ta-110)xM.n°x2
Overlap gasket hor.2	DU121	(Ma-55)xT.n°x2
Overlap gasket Vert.2	DU121	(Ta-55)xM.n°x2
Overlap gasket hor.3	DU121	(Ma-40)xT.n°x2
Overlap gasket Vert.3	DU121	(Ta-40)xM.n°x2
Sash gasket hor.4	DU5104	(Ma-128)xT.n°x2
Sash gasket Vert.4	DU5104	(Ta-128)xM.n°x2
ACCESSORI PERSONALIZZATI SYSTEM ACCESSORIES ACCESSOIRES DE SYSTEME	CODICE CODE CODE	PEZZI PIECES PIECES
Transoms fastners	MT5507	T.n°x4
Fix frame corners 1	Extruded	4
Fix frame corners 2	0190/200	4
Sashes corners 1	0417/250	4
Sashes corners 2	0190/200	4
Pressure plates screws	*	*
5090 and trasoms fixing	4.8x13	T.n°x8
Transoms plugs	DUTrans	T.n°x2
Glass Supports	CW5065	T.n°x3
Curtain wall cremone	FP0770	1
Curtain wall cremone	FP0770AD	
Latching points	FP1598C	X
Pins for latching points	FP1595	X
Corners for rods (optionals)	FP1515B	2
Harms type C-D-F-H	FP3250C-D-F-H	1 Couple

Vista esterna
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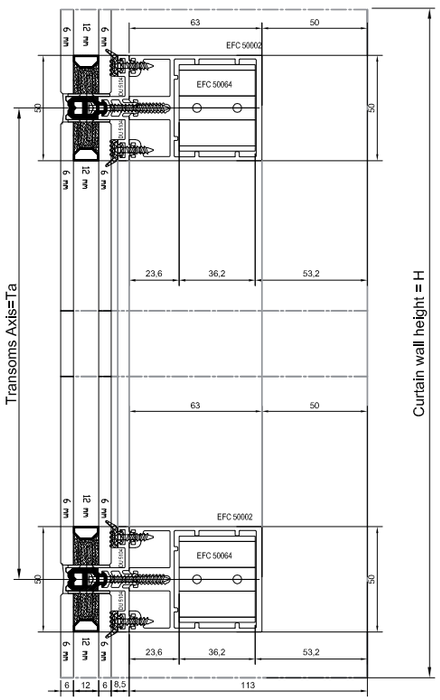
Use the logiciel
Usa il software

For the glass fabrication with structural sillcon please follow our instructions

LISTE DI TAGLIO



Vista esterna
Outer view
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PROFILI PROFILES PROFILS	CODICE CODE CODE	PEZZI PIECES PIECES	MISURA SIZE MESURE	TAGLIO CUTTING COUPE
Mullions	Various	M.n°	H-0	90°-90°
Transoms	Various	T.n°	Ma-50	90°-90°
Mullion Spacer	TF218200	M.N°x1	H-0	90°-90°
Transom Spacer	CW5090	T.n°x1	Ma-13	90°-90°
Mullion P. Plate*	CW5023	M.n°x1	H-0	90°-90°
Transom P.Plate*	CW5023	T.n°x1	Ma-50	90°-90°
Mullion Cover*	CW5025	M.n°x1	H-0	90°-90°
Transom Cover*	CW5031	T.n°x1	Ma-52	90°-90°
Hor.Glass Profile**	CW50140	T.n°x2	Ma-10	45°-45°
Ver.Glass Profile**	CW50140	M.n°x2	Ta-10	45°-45°

DISTINTA VETRI GLASS LIST LISTE DES VITRAGES	PEZZI PIECES PIECES	MISURE L x H SIZES L x H DIMENSION L x H
Fix parts glasses	1	(LG= Ma-10) x (HG=Ta-10)

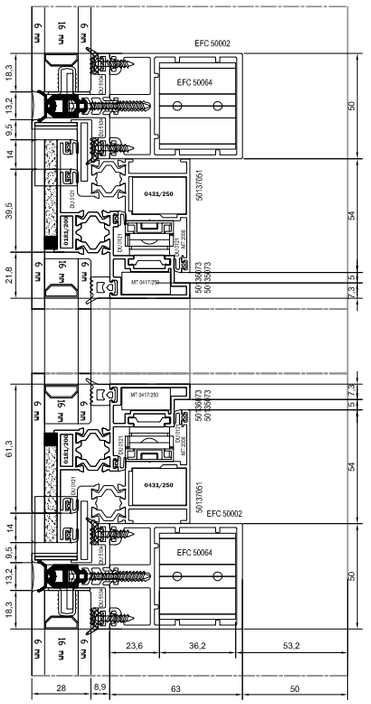
GUARNIZIONI GASKETS JOINTS	CODICE CODE CODE	PEZZI PIECES PIECES
Central gasket hor.	DU5001	(Ma-10)xT.n°
Central gasket Vert.	DU5001	(H-0)xM.n°
Outer glazing hor.*	DU5106	(Ma-50)xT.n°x2
Inner glazing hor.*	DU5104	(Ma-10)xT.n°x2
Outer glazing vert.*	DU5106	H x M.n°x2
Inner glazing vert.*	DU5105	H x M.n°x2

ACCESSORI PERSONALIZZATI SYSTEM ACCESSORIES ACCESSOIRES DE SYSTEME	CODICE CODE CODE	PEZZI PIECES PIECES
Transoms fastners	MT5507	T.n°x4
Pressure plates screws	4.8x60	*
5090 and trasoms fixing	4.8x13	T.n°x8
Transoms plugs	DUTrans	T.n°x2
Glass Supports	CW5065	T.n°x3
Glass thickness	Plastic	T.n°x4

Pressure plates total lenghts / 250 mm

ACCESSORI COMMERCIALI STANDARD HARWARE ACCESSOIRES STANDARD	CODICE CODE CODE	PEZZI PIECES PIECES
See the hardware tables		

*** Covers cannot be install on opening areas, to install covers on opening lines select another model**
****Glazing Screw holding profile EFC 50140: To be deliver to glass makers**
For the glass fabrication with structural silicon please follow our instructions



Vista esterna Outer view Vue esterieure
Calcolo peso Weight calculation Calcul du poid
Use our software Use the logiciel Usa il software

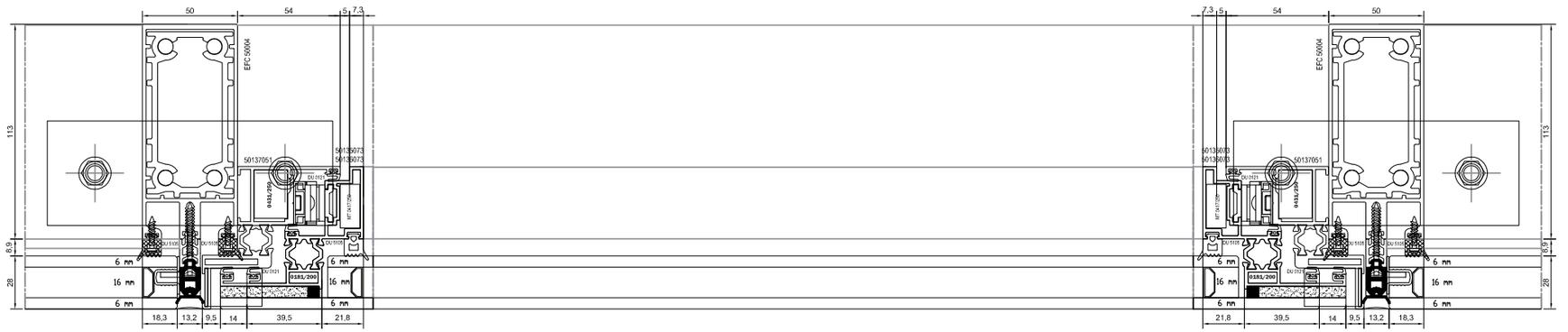
PROFILI PROFILES PROFILS	CODICE CODE CODE	PEZZI PIECES PIECES	MISURA SIZE MESURE	TAGLIO CUTTING COUPE
Mullions	Various	M.n°	H-0	90°-90°
Transoms	Various	T.n°	Ma-50	90°-90°
Mullion Spacer	TF218200	M.N°x1	H-0	90°-90°
Transom Spacer	CW5090	T.n°x1	Ma-13	90°-90°
Mullion P. Plate*	CW5023	M.n°x1	H-0	90°-90°
Transom P.Plate*	CW5023	T.n°x1	Ma-50	90°-90°
Mullion Cover*	CW5025	M.n°x1	H-0	90°-90°
Transom Cover*	CW5031	T.n°x1	Ma-52	90°-90°
Hor.Structural Glass	CW50140	T.n°x2	Ma-10	45°-45°
Ver.Structural Glass	CW50140	M.n°x2	Ta-10	45°-45°
Opening fix frame	50137051	2	Ma-15	45°-45°
Opening fix frame	50137051	2	Ta-15	45°-45°
Opening Sash	50135073	2	Ma-32	45°-45°
Opening Sash	50135073	2	Ta-32	45°-45°

DISTINTA VETRI GLASS LIST LISTE DES VITRAGES	PEZZI PIECES PIECES	MISURE L x H SIZES L x H DIMENSION L x H
Fix parts glasses	1	(LG= Ma-10) x (HG=Ta-10)
Projecting window glass1	1	(LG= Ma-32) x (HG=Ta-32)
Projecting window glass2	1	(LG= Ma-145) x (HG=Ta-145)

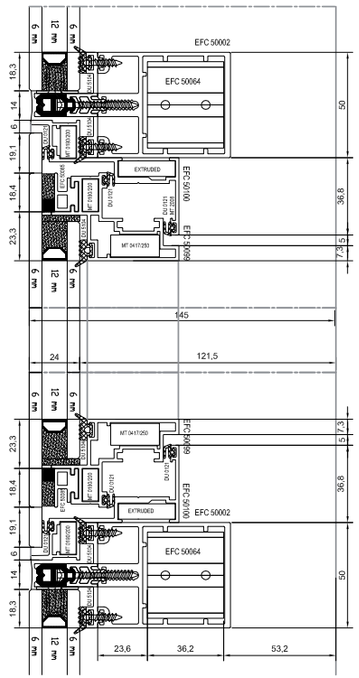
*** Covers cannot be Install on opening areas, to Install covers on opening lines select another model (see next page) In alternative you can use 2 type od sashes, CW5083073 (Recut) and EFC 5049073 reducing the glass to this sash size.**
For the glass fabrication with structural silicon please follow our Instructions

GUARNIZIONI GASKETS JOINTS	CODICE CODE CODE	PEZZI PIECES PIECES
Central gasket hor.	DU5001	(Ma-10)xT,n°
Central gasket Vert.	DU5001	(H-0)xM,n°
Outer glazing hor.	DU5106	(Ma-50)xT,n°x2
Inner glazing hor.	DU5104	(Ma-10)xT,n°x2
Outer glazing vert.	DU5106	H x M,n°x2
Inner glazing vert.	DU5105	H x M,n°x2
Overlap gasket hor.1	DU121	(Ma-144)xT,n°x2
Overlap gasket Vert.1	DU121	(Ta-144)xM,n°x2
Overlap gasket hor.2	DU121	(Ma-100)xT,n°x2
Overlap gasket Vert.2	DU121	(Ta-100)xM,n°x2
Overlap gasket hor.3	DU121	(Ma-31)xT,n°x2
Overlap gasket Vert.3	DU121	(Ta-31)xM,n°x2
Sash gasket hor.4	DU5105	(Ma-163)xT,n°x2
Sash gasket Vert.4	DU5105	(Ta-163)xM,n°x2

ACCESSORI PERSONALIZZATI SYSTEM ACCESSORIES ACCESSOIRES DE SYSTEME	CODICE CODE CODE	PEZZI PIECES PIECES
Transoms fastners	MT5507	T.n°x4
Fix frame corners 1	0431/250	4
Fix frame corners 2	Extruded	4
Sashes corners 1	0417/250	4
Sashes corners 2	Extruded	4
Pressure plates screws	4,8x60	*
5090 and trasoms fixing	4,8x13	T.n°x8
Transoms plugs	DUTrans	T.n°x2
Glass Supports	CW5065	T.n°x3
Curtain wall cremone	FP0770	1
Curtain wall cremone	FP0770AD	
Latching points	FP1598C	X
Pins for latching points	FP1595	X
Corners for rods (optionals)	FP1515B	2
Harms type C-D-F-H	FP3250C-D-F-H	1 Couple



LISTE DI TAGLIO



Vista esterna Outer view Vue esterieure
Calcolo peso Weight calculation Calcul du poid
Use our software Use the logiciel Usa il software

PROFILI PROFILES PROFILS	CODICE CODE CODE	PEZZI PIECES PIECES	MISURA SIZE MESURE	TAGLIO CUTTING COUPE
Mullions	Various	M.n°	H-0	90°-90°
Transoms	Various	T.n°	Ma-50	90°-90°
Mullion Spacer	TF218200	M.N°x1	H-0	90°-90°
Transom Spacer	CW5090	T.n°x1	Ma-13	90°-90°
Mullion P. Plate*	CW5023	M.n°x1	H-0	90°-90°
Transom P.Plate*	CW5023	T.n°x1	Ma-50	90°-90°
Mullion Cover*	CW5025	M.n°x1	H-0	90°-90°
Transom Cover*	CW5031	T.n°x1	Ma-52	90°-90°
Hor.Structural Glass	CW50140	T.n°x2	Ma-10	45°-45°
Ver.Structural Glass	CW50140	M.n°x2	Ta-10	45°-45°
Opening fix frame	CW5100	2	Ma-15	45°-45°
Opening fix frame	CW5100	2	Ta-15	45°-45°
Opening Sash	CW5099	2	Ma-65	45°-45°
Opening Sash	CW5099	2	Ta-65	45°-45°
Hor.Structural Glass	CW5085	T.n°x2	Ma-65	45°-45°
Ver.Structural Glass	CW5085	M.n°x2	Ta-65	45°-45°

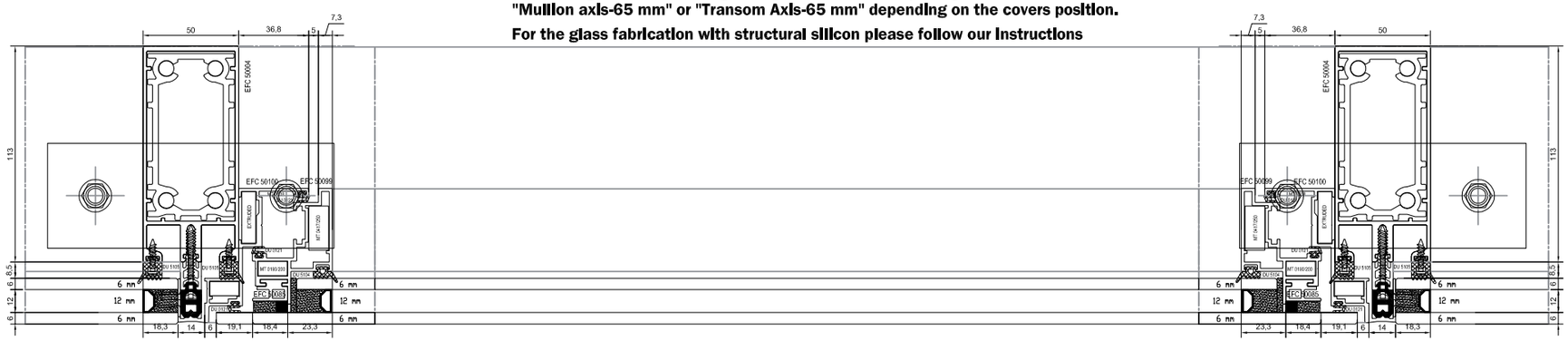
DISTINTA VETRI GLASS LIST LISTE DES VITRAGES	PEZZI PIECES PIECES	MISURE L x H SIZES L x H DIMENSION L x H
Fix parts glasses	1	(LG= Ma-10) x (HG=Ta-10)
Projecting window glass1	1	(LG= Ma-29) x (HG=Ta-29)
Projecting window glass2	1	(LG= Ma-111) x (HG=Ta-111)

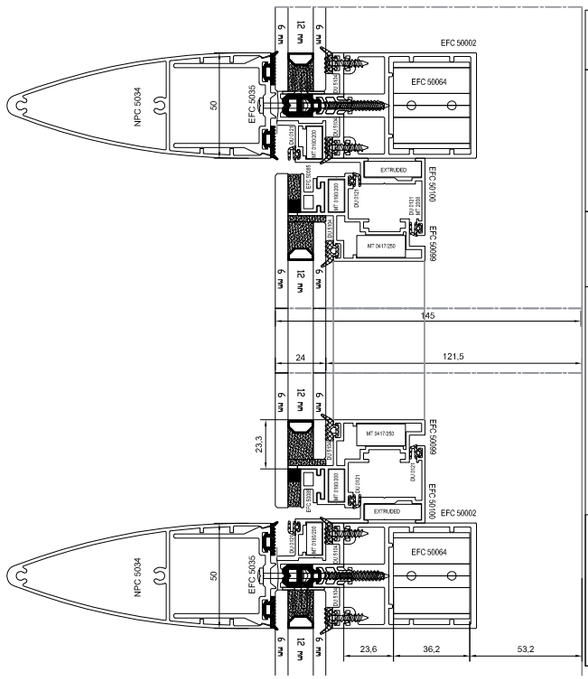
*** Installing covers will change the glass size on the opening that it is to be cut to "Mullion axis-65 mm" or "Transom Axis-65 mm" depending on the covers position.**

For the glass fabrication with structural silicon please follow our instructions

GUARNIZIONI GASKETS JOINTS	CODICE CODE CODE	PEZZI PIECES PIECES
Central gasket hor.	DU5001	(Ma-10)xT.n°
Central gasket Vert.	DU5001	(H-0)xM.n°
Outer glazing hor.	DU5106	(Ma-50)xT.n°x2
Inner glazing hor.	DU5104	(Ma-10)xT.n°x2
Outer glazing vert.	DU5106	H x M.n°x2
Inner glazing vert.	DU5105	H x M.n°x2
Overlap gasket hor.1	DU121	(Ma-110)xT.n°x2
Overlap gasket Vert.1	DU121	(Ta-110)xM.n°x2
Overlap gasket hor.2	DU121	(Ma-65)xT.n°x2
Overlap gasket Vert.2	DU121	(Ta-65)xM.n°x2
Overlap gasket hor.3	DU121	(Ma-40)xT.n°x2
Overlap gasket Vert.3	DU121	(Ta-40)xM.n°x2
Sash gasket hor.4	DU5104	(Ma-128)xT.n°x2
Sash gasket Vert.4	DU5104	(Ta-128)xM.n°x2

ACCESSORI PERSONALIZZATI SYSTEM ACCESSORIES ACCESSOIRES DE SYSTEME	CODICE CODE CODE	PEZZI PIECES PIECES
Transoms fastners	MT5507	T.n°x4
Fix frame corners 1	Extruded	4
Fix frame corners 2	0190/200	4
Sashes corners 1	0417/250	4
Sashes corners 2	0190/200	4
Pressure plates screws	4.8x60	*
5090 and trasoms fixing	4.8x13	T.n°x8
Transoms plugs	DUTrans	T.n°x2
Glass Supports	CW5065	T.n°x3
Curtain wall cremone	FP0770	1
Curtain wall cremone	FP0770AD	
Latching points	FP1598C	X
Pins for latching points	FP1595	X
Corners for rods (optionals)	FP1515B	2
Harms type C-D-F-H	FP3250C-D-F-H	1 Couple





Outer view
Vue esterieure

Calcolo peso
Weight calculation
Calcul du poid

Use our software
Use the logiciel
Usa il software

PROFILI PROFILES PROFILS	CODICE CODE CODE	PEZZI PIECES PIECES	MISURA SIZE MESURE	TAGLIO CUTTING COUPE
Mullions	Various	M.n°	H-0	90°-90°
Transoms	Various	T.n°	Ma-50	90°-90°
Mullion Spacer	TF218200	M.N°x1	H-0	90°-90°
Transom Spacer	CW5090	T.n°x1	Ma-13	90°-90°
Mullion P. Plate*	CW5035	M.n°x1	H-0	90°-90°
Transom P.Plate*	CW5035	T.n°x1	Ma-50	90°-90°
Mullion Cover*	CW5034	M.n°x1	H-0	90°-90°
Transom Cover*	CW5034	T.n°x1	Ma-52	90°-90°
Hor.Structural Glass	CW50140	T.n°x2	Ma-10	45°-45°
Ver.Structural Glass	CW50140	M.n°x2	Ta-10	45°-45°
Opening fix frame	CW5100	2	Ma-15	45°-45°
Opening fix frame	CW5100	2	Ta-15	45°-45°
Opening Sash	CW5099	2	Ma-65	45°-45°
Opening Sash	CW5099	2	Ta-65	45°-45°
Hor.Structural Glass	CW5085	T.n°x2	Ma-65	45°-45°
Ver.Structural Glass	CW5085	M.n°x2	Ta-65	45°-45°

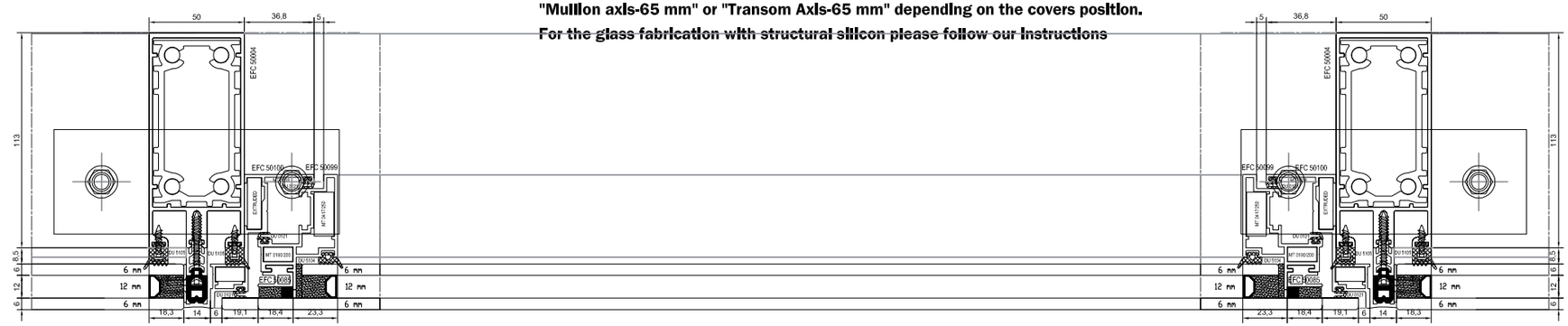
DISTINTA VETRI GLASS LIST LISTE DES VITRAGES	PEZZI PIECES PIECES	MISURE L x H SIZES L x H DIMENSION L x H
Fix parts glasses	1	(LG= Ma-10) x (HG=Ta-10)
Projecting window glass1	1	(LG= Ma-29) x (HG=Ta-65)
Projecting window glass2	1	(LG= Ma-111) x (HG=Ta-111)

GUARNIZIONI GASKETS JOINTS	CODICE CODE CODE	PEZZI PIECES PIECES
Central gasket hor.	DU5001	(Ma-10)xT.n°
Central gasket Vert.	DU5001	(H-0)xM.n°
Outer glazing hor.	DU5106	(Ma-50)xT.n°x2
Inner glazing hor.	DU5104	(Ma-10)xT.n°x2
Outer glazing vert.	DU5106	H x M.n°x2
Inner glazing vert.	DU5105	H x M.n°x2
Overlap gasket hor.1	DU121	(Ma-110)xT.n°x2
Overlap gasket Vert.1	DU121	(Ta-110)xM.n°x2
Overlap gasket hor.2	DU121	(Ma-65)xT.n°x2
Overlap gasket Vert.2	DU121	(Ta-65)xM.n°x2
Overlap gasket hor.3	DU121	(Ma-40)xT.n°x2
Overlap gasket Vert.3	DU121	(Ta-40)xM.n°x2
Sash gasket hor.4	DU5104	(Ma-128)xT.n°x2
Sash gasket Vert.4	DU5104	(Ta-128)xM.n°x2

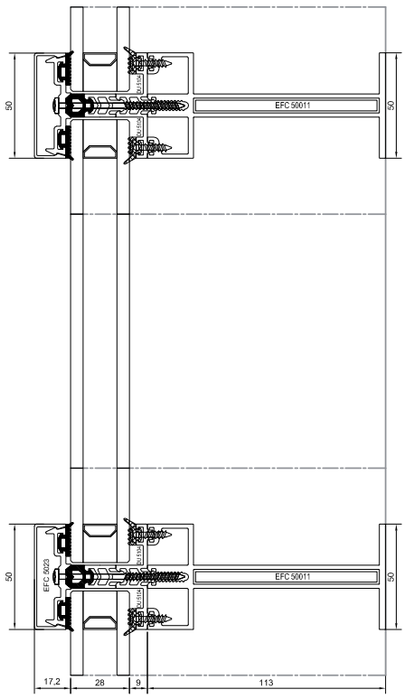
ACCESSORI PERSONALIZZATI SYSTEM ACCESSORIES ACCESSOIRES DE SYSTEME	CODICE CODE CODE	PEZZI PIECES PIECES
Transoms fastners	MT5507	T.n°x4
Fix frame corners 1	Extruded	4
Fix frame corners 2	0190/200	4
Sashes corners 1	0417/250	4
Sashes corners 2	0190/200	4
Pressure plates screws	4.8x60	*
5090 and trasoms fixing	4.8x13	T.n°x8
Transoms plugs	DUTrans	T.n°x2
Glass Supports	CW5065	T.n°x3
Curtain wall cremone	FP0770	1
Curtain wall cremone	FP0770AD	
Latching points	FP1598C	X
Pins for latching points	FP1595	X
Corners for rods (optionals)	FP1515B	2
Harms type C-D-F-H	FP3250C-D-F-H	1 Couple

*** Installing covers will change the glass size on the opening that it is to be cut to "Mullion axis-65 mm" or "Transom Axis-65 mm" depending on the covers position.**

For the glass fabrication with structural silicon please follow our instructions



LISTE DI TAGLIO



Vista estema Outer view Vue esterieure
Calcolo peso Weight calculation Calcul du poid
Use our software Use the logiciel Usa il software

PROFILI PROFILES PROFILS	CODICE CODE CODE	PEZZI PIECES PIECES	MISURA SIZE MESURE	TAGLIO CUTTING COUPE
Mullions	Various	M.n°	H-0	90°-90°
Transoms	Various	T.n°	Ma-50	90°-90°
Mullion Spacer	TF218200	M.N°x2	H-0	90°-90°
Transom Spacer	CW5066	T.n°x1	Ma-13	90°-90°
Mullion P. Plate	CW5023	M.n°x1	H-0	90°-90°
Transom P.Plate	CW5023	T.n°x1	Ma-50	90°-90°
Mullion Cover	CW5023	M.n°x1	H-0	90°-90°
Transom Cover	CW5029	T.n°x1	Ma-52	90°-90°

DISTINTA VETRI GLASS LIST LISTE DES VITRAGES	PEZZI PIECES PIECES	MISURE L x H SIZES L x H DIMENSION L x H
Fix parts glasses	1	(LG= Ma-17) x (HG=Ta-17)

GUARNIZIONI GASKETS JOINTS	CODICE CODE CODE	PEZZI PIECES PIECES
Central gasket hor.	DU5001	(Ma-10)xT.n°
Central gasket Vert.	DU5001	(H-0)xM.n°
Outer glazing hor.	DU5106	(Ma-50)xT.n°x2
Inner glazing hor.	DU5104	(Ma-10)xT.n°x2
Outer glazing vert.	DU5106	H x M.n°x2
Inner glazing vert.	DU5105	H x M.n°x2

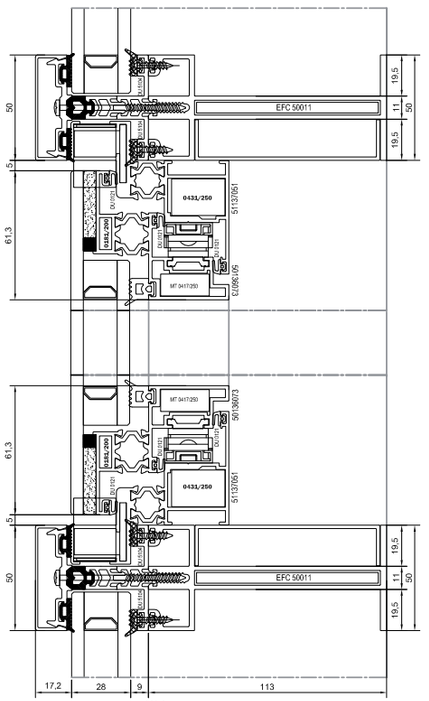
ACCESSORI PERSONALIZZATI SYSTEM ACCESSORIES ACCESSOIRES DE SYSTEME	CODICE CODE CODE	PEZZI PIECES PIECES
Transoms fastners	MT5507	T.n°x4
Pressure plates screws	4.8x60	*
5066 and trasoms fixing	4.8x13	T.n°x8
Transoms plugs	DUTrans	T.n°x2
Glass Supports	CW5065	T.n°x3
Glass thickness	Plastic	T.n°x4

Pressure plates total lenghts / 250 mm

ACCESSORI COMMERCIALI STANDARD HARWARE ACCESSOIRES STANDARD	CODICE CODE CODE	PEZZI PIECES PIECES
See the hardware tables		

243 208

LISTE DI TAGLIO



Vista esterna
Outer view
Vue esterieure

Calcolo peso
Weight calculation
Calcul du poid

Use our software
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Usa il software

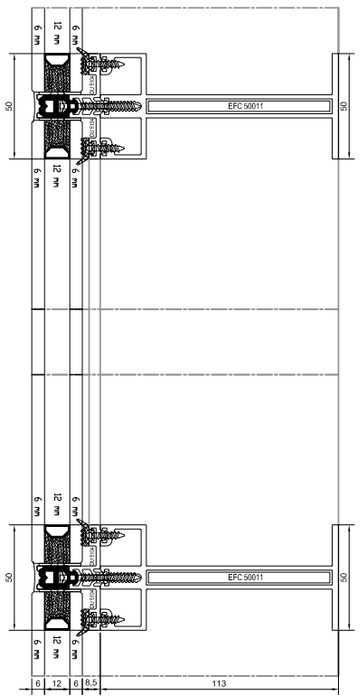
PROFILI PROFILES PROFILS	CODICE CODE CODE	PEZZI PIECES PIECES	MISURA SIZE MESURE	TAGLIO CUTTING COUPE
Mullions	Various	M.n°	H-0	90°-90°
Transoms	Various	T.n°	Ma-50	90°-90°
Mullion Spacer	TF218200	M.N°x2	H-0	90°-90°
Transom Spacer	CW5066	T.n°x1	Ma-13	90°-90°
Mullion P. Plate	CW5023	M.n°x1	H-0	90°-90°
Transom P.Plate	CW5023	T.n°x1	Ma-50	90°-90°
Mullion Cover	CW5025	M.n°x1	H-0	90°-90°
Transom Cover	CW5031	T.n°x1	Ma-52	90°-90°
Opening fix frame	50137051	2	Ma-13	45°-45°
Opening fix frame	50137051	2	Ta-13	45°-45°
Opening Sash	50136073	2	Ma-60	45°-45°
Opening Sash	50136073	2	Ta-60	45°-45°

DISTINTA VETRI GLASS LIST LISTE DES VITRAGES	PEZZI PIECES PIECES	MISURE L x H SIZES L x H DIMENSION L x H
Fix Parts glazing	1	(LG= Ma-17) x (HG=Ta-17)
Projecting window glazing 1	1	(LG= Ma-60) x (HG=Ta-60)
Projecting window glazing 2		(LG= Ma-145) x (HG=Ta-145)

GUARNIZIONI GASKETS JOINTS	CODICE CODE CODE	PEZZI PIECES PIECES
Central gasket hor.	DU5001	(Ma-10)xT.n°
Central gasket Vert.	DU5001	(H-0)xM.n°
Outer glazing hor.	DU5106	(Ma-50)xT.n°x2
Inner glazing hor.	DU5104	(Ma-10)xT.n°x2
Outer glazing vert.	DU5106	H x M.n°x2
Inner glazing vert.	DU5105	H x M.n°x2
Overlap gasket hor.1	DU121	(Ma-144)xT.n°x2
Overlap gasket Vert.1	DU121	(Ta-144)xM.n°x2
Overlap gasket hor.2	DU121	(Ma-100)xT.n°x2
Overlap gasket Vert.2	DU121	(Ta-100)xM.n°x2
Overlap gasket hor.3	DU121	(Ma-74)xT.n°x2
Overlap gasket Vert.3	DU121	(Ta-74)xM.n°x2
Sash gasket hor.4	DU5105	(Ma-162)xT.n°x2
Sash gasket Vert.4	DU5105	(Ta-162)xM.n°x2

ACCESSORI PERSONALIZZATI SYSTEM ACCESSORIES ACCESSOIRES DE SYSTEME	CODICE CODE CODE	PEZZI PIECES PIECES
Transoms fastners	MT5507	T.n°x4
Fix frame corners 1	0431/250	4
Fix frame corners 2	Extruded	4
Sashes corners 1	0417/250	4
Sashes corners 2	0363/250	4
Pressure plates screws	4.8x60	*
5066 and trasoms fixing	4.8x13	T.n°x8
Transoms plugs	DUTrans	T.n°x2
Glass Supports	CW5065	T.n°x3
Curtain wall cremone	FP0770	1
Curtain wall cremone	FP0770AD	
Latching points	FP1598C	X
Pins for latching points	FP1595	X
Corners for rods (optionals)	FP1515B	2

LISTE DI TAGLIO



Vista esterna
Outer view
Vue esterieure

Calcolo peso
Weight calculation
Calcul du poid

Use our software
Use the logiciel
Usa il software

PROFILI PROFILES PROFILS	CODICE CODE CODE	PEZZI PIECES PIECES	MISURA SIZE MESURE	TAGLIO CUTTING COUPE
Mullions	Various	M.n°	H-0	90°-90°
Transoms	Various	T.n°	Ma-50	90°-90°
Mullion Spacer	TF218200	M.N°x1	H-0	90°-90°
Transom Spacer	CW5090	T.n°x1	Ma-13	90°-90°
Mullion P. Plate*	CW5023	M.n°x1	H-0	90°-90°
Transom P.Plate*	CW5023	T.n°x1	Ma-50	90°-90°
Mullion Cover*	CW5025	M.n°x1	H-0	90°-90°
Transom Cover*	CW5031	T.n°x1	Ma-52	90°-90°
Hor.Glass Profile**	CW50140	T.n°x2	Ma-10	45°-45°
Ver.Glass Profile**	CW50140	M.n°x2	Ta-10	45°-45°

GUARNIZIONI GASKETS JOINTS	CODICE CODE CODE	PEZZI PIECES PIECES
Central gasket hor.	DU5001	(Ma-10)xT.n°
Central gasket Vert.	DU5001	(H-0)xM.n°
Outer glazing hor.*	DU5106	(Ma-50)xT.n°x2
Inner glazing hor.*	DU5104	(Ma-10)xT.n°x2
Outer glazing vert.*	DU5106	H x M.n°x2
Inner glazing vert.*	DU5105	H x M.n°x2

ACCESSORI PERSONALIZZATI SYSTEM ACCESSORIES ACCESSOIRES DE SYSTEME	CODICE CODE CODE	PEZZI PIECES PIECES
Transoms fastners	MT5507	T.n°x4
Pressure plates screws	4.8x60	*
5090 and trasoms fixing	4.8x13	T.n°x8
Transoms plugs	DUTrans	T.n°x2
Glass Supports	CW5065	T.n°x3
Glass thickness	Plastic	T.n°x4

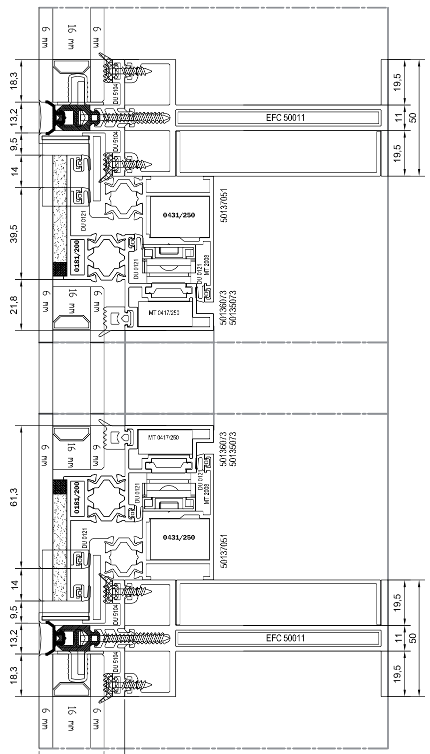
Pressure plates total lenghts / 250 mm

DISTINTA VETRI GLASS LIST LISTE DES VITRAGES	PEZZI PIECES PIECES	MISURE L x H SIZES L x H DIMENSION L x H
Fix parts glasses	1	(LG= Ma-10) x (HG=Ta-10)

ACCESSORI COMMERCIALI STANDARD HARWARE ACCESSOIRES STANDARD	CODICE CODE CODE	PEZZI PIECES PIECES
See the hardware tables		

*** Covers cannot be install on opening areas, to install covers on opening lines select another model**
****Glazing Screw holding profile EFC 50140: To be deliver to glass makers**
For the glass fabrication with structural silicon please follow our instructions

LISTE DI TAGLIO



Vista esterna Outer view Vue esterieure
Calcolo peso Weight calculation Calcul du poid
Use our software Use the logiciel Usa il software

PROFILI PROFILES PROFILS	CODICE CODE CODE	PEZZI PIECES PIECES	MISURA SIZE MESURE	TAGLIO CUTTING COUPE
Mullions	Various	M.n°	H-0	90°-90°
Transoms	Various	T.n°	Ma-50	90°-90°
Mullion Spacer	TF218200	M.N°x1	H-0	90°-90°
Transom Spacer	CW5090	T.n°x1	Ma-13	90°-90°
Mullion P. Plate*	CW5023	M.n°x1	H-0	90°-90°
Transom P.Plate*	CW5023	T.n°x1	Ma-50	90°-90°
Mullion Cover*	CW5025	M.n°x1	H-0	90°-90°
Transom Cover*	CW5031	T.n°x1	Ma-52	90°-90°
Hor.Structural Glass	CW50140	T.n°x2	Ma-10	45°-45°
Ver.Structural Glass	CW50140	M.n°x2	Ta-10	45°-45°
Opening fix frame	50137051	2	Ma-15	45°-45°
Opening fix frame	50137051	2	Ta-15	45°-45°
Opening Sash	50135073	2	Ma-32	45°-45°
Opening Sash	50135073	2	Ta-32	45°-45°

DISTINTA VETRI GLASS LIST LISTE DES VITRAGES	PEZZI PIECES PIECES	MISURE L x H SIZES L x H DIMENSION L x H
Fix parts glasses	1	(LG= Ma-10) x (HG=Ta-10)
Projecting window glass1	1	(LG= Ma-32) x (HG=Ta-32)
Projecting window glass2	1	(LG= Ma-145) x (HG=Ta-145)

For the glass fabrication with structural silicon please follow our Instructions

GUARNIZIONI GASKETS JOINTS	CODICE CODE CODE	PEZZI PIECES PIECES
Central gasket hor.	DU5001	(Ma-10)xT.n°
Central gasket Vert.	DU5001	(H-0)xM.n°
Outer glazing hor.	DU5106	(Ma-50)xT.n°x2
Inner glazing hor.	DU5104	(Ma-10)xT.n°x2
Outer glazing vert.	DU5106	H x M.n°x2
Inner glazing vert.	DU5105	H x M.n°x2
Overlap gasket hor.1	DU121	(Ma-144)xT.n°x2
Overlap gasket Vert.1	DU121	(Ta-144)xM.n°x2
Overlap gasket hor.2	DU121	(Ma-100)xT.n°x2
Overlap gasket Vert.2	DU121	(Ta-100)xM.n°x2
Overlap gasket hor.3	DU121	(Ma-31)xT.n°x2
Overlap gasket Vert.3	DU121	(Ta-31)xM.n°x2
Sash gasket hor.4	DU5105	(Ma-163)xT.n°x2
Sash gasket Vert.4	DU5105	(Ta-163)xM.n°x2

ACCESSORI PERSONALIZZATI SYSTEM ACCESSORIES ACCESSOIRES DE SYSTEME	CODICE CODE CODE	PEZZI PIECES PIECES
Transoms fastners	MT5507	T.n°x4
Fix frame corners 1	0431/250	4
Fix frame corners 2	Extruded	4
Sashes corners 1	0417/250	4
Sashes corners 2	Extruded	4
Pressure plates screws	4.8x60	*
5090 and trasoms fixing	4.8x13	T.n°x8
Transoms plugs	DUTrans	T.n°x2
Glass Supports	CW5065	T.n°x3
Curtain wall cremone	FP0770	1
Curtain wall cremone	FP0770AD	
Latching points	FP1598C	X
Pins for latching points	FP1595	X
Corners for rods (optionals)	FP1515B	2

TP PROFILATI

EKOS Curtain Wall 50

ALUMINIUM COLLECTION

TERMAL BREAK COLLECTIONS

TP PROFILATI

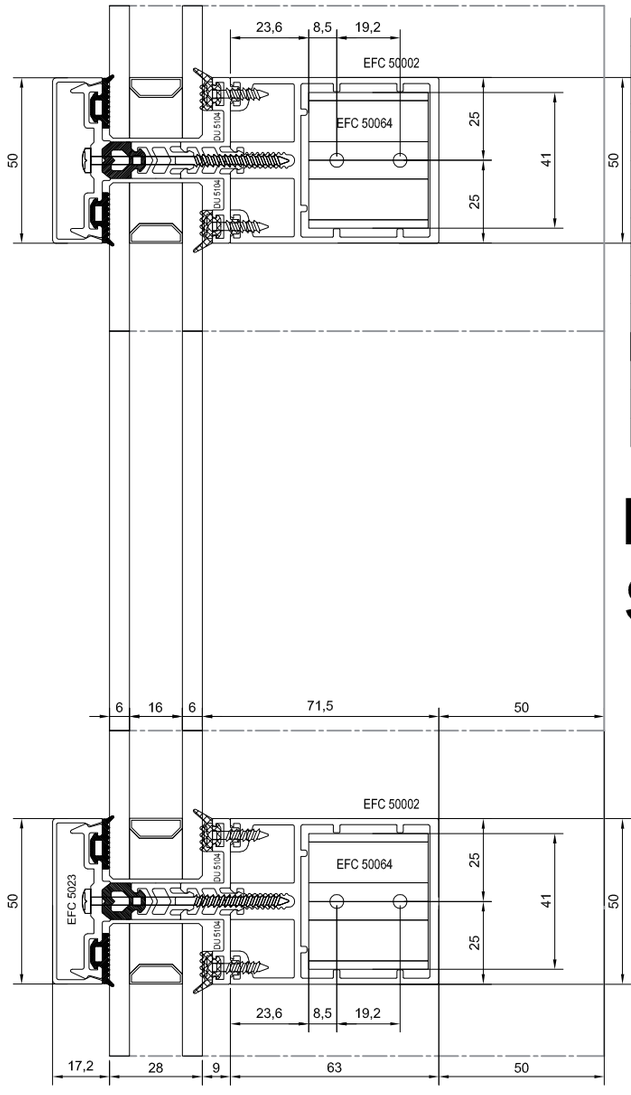
LISTE DI TAGLIO E SEZIONI DEI MODELLI (VELOCI)

CUTTING SHEETS AND SHOP DRAWINGS (QUICK)

PLANS DE DEBIT ET COUPES DES MODÈLES (RAPIDE)

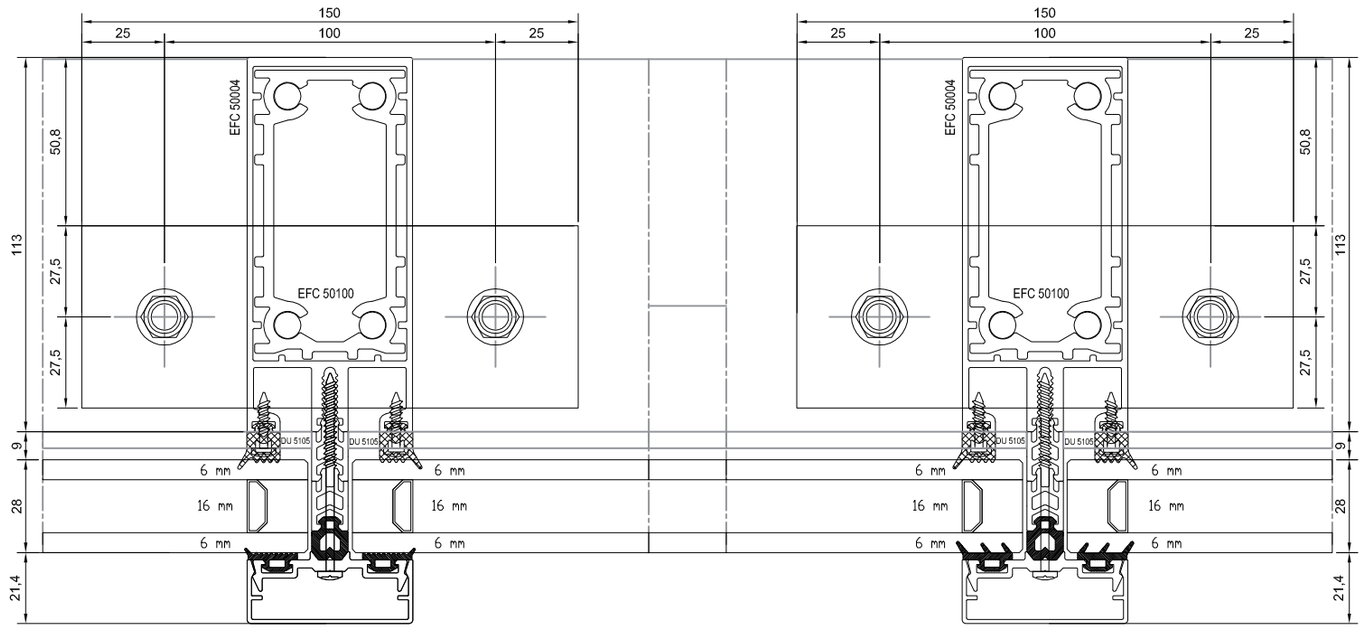
EKOS
ALUMINIUM COLLECTION

LISTE DI TAGLIO

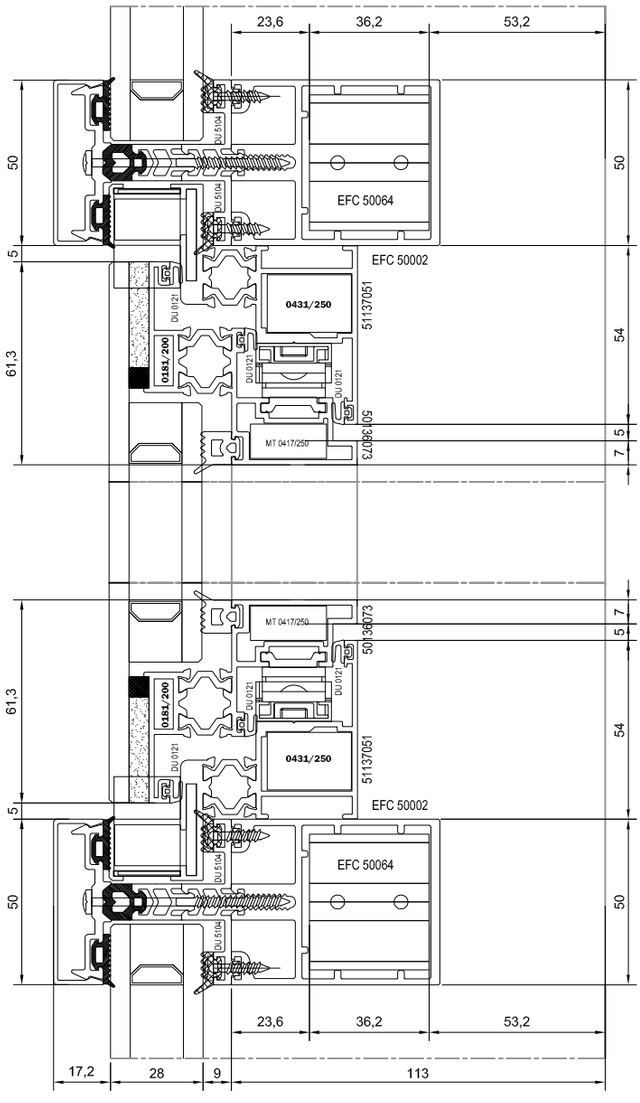


Mullions height (select one)	**Total Curtain height minus anchoring**	
Transoms width (Select one)	**(Mullions axis distance - 50) x number of transoms**	
Vertical Pressure plate	**Mullions length x number of mullions**	
Horizontal Pressure plate	**(Mullions axis distance - 50) x number of transoms**	
Vertical Cover	**Mullions length x number of mullions**	
Horizontal Cover	**Mullions axis distance - 52 mm x number of transoms**	
Vertical Spacer polyamide	**Mullions length x 2 x number of mullions**	
Horizontal Spacer EFC 5066 or PVC	**(Mullions axis distance - 13 mm) x number of transoms**	
Vert. Glazing size fix	**Transoms axis(a,b, c, d, e, f, g) - 17 mm**	
Hor. Glazing size fix	**Mullions axis distance - 17 mm**	
Mullions Gaskets DU 5105	**Mullions length x 2 x number of mullions (To be cut)**	
Transoms Gaskets DU 5104	**(Transom length + 38) x 2 x number of transoms**	
Vert. outer glazing gaskets	**Mullions length x 2 x number of mullions**	
Hor. outer glazing gasket	**Transom length x 2 x number of transoms (Mx -50)**	
EPDM central gasket	**(Transoms lenght + 38) x n° + (Mullions height) x n°**	

Energy WALL 50
Stick wall



LISTE DI TAGLIO

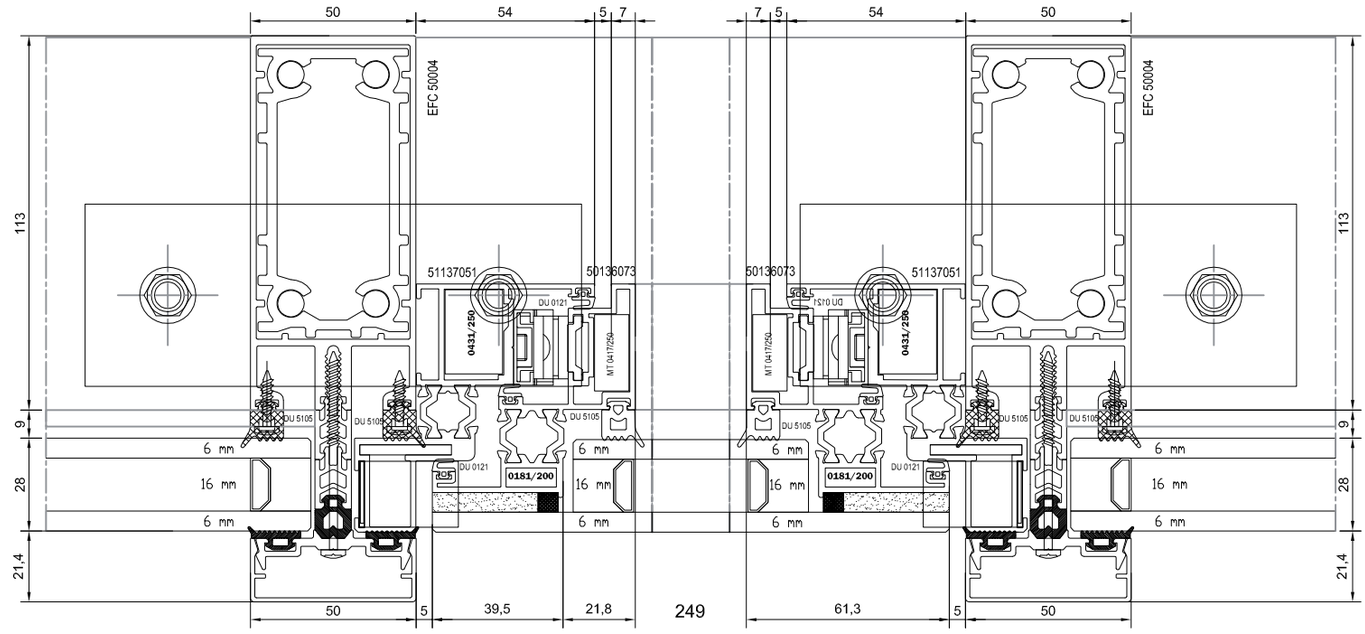


Mullions height (select one)	**Total Curtain height minus anchoring**	
Transoms width (Select one)	**(Mullions axis distance - 50) x number of transoms**	
Vertical Pressure plate	**Mullions length x number of mullions**	
Horizontal Pressure plate	**(Mullions axis distance - 50) x number of transoms**	
Vertical Cover	**Mullions length x number of mullions**	
Horizontal Cover	**Mullions axis distance - 52 mm x number of transoms**	
Vertical Spacer Polyamide	**Mullions length x 2 x number of mullions**	
Horizontal Spacer EFC 5066 or PVC	**(Mullions axis distance - 13 mm) x number of transoms**	
Vert. Glazing size fix	**Transoms axis(a,b, c, d, e, f, g) - 17 mm**	
Hor. Glazing size fix	**Mullions axis distance - 17 mm**	
Mullions Gaskets DU 5105	**Mullions length x 2 x number of mullions (To be cut)**	
Transoms Gaskets DU 5104	**(Transom length + 38) x 2 x number of transoms**	
Vert. outer glazing gaskets	**Mullions length x 2 x number of mullions**	
Hor. outer glazing gasket	**Transom length x 2 x number of transoms (Mx -50)**	
EPDM central gasket	**(Transoms lenght + 38) x n° + (Mullions height) x n°**	

PROJECTING WINDOWS		
Horizontal opening fix frame	**Mullions axis distance - 13 mm**	
Vertical opening fix frame	**Transoms axis distance - 13 mm**	
Horizontal opening sash	**Mullions axis distance - 60 mm**	
Vertical opening sash	**Transoms axis distance - 60 mm**	
Vertical opening sash	**Transoms axis distance - 60 mm**	
Vert. fix frame gasket DU 121	**Transoms axis distance - 144 mm**	
Hor. fix frame gasket DU 121	**Mullions axis distance - 144 mm**	
Vert. Opening sash gasket DU 121	**Transoms axis distance - 60 and Transoms axis - 100**	
Hor. Opening sash gasket DU 121	**Mullions axis distance - 60 and Mullions axis - 100**	
Vert. sash gasket DU 5105	**Transoms axis distance - 162 mm**	
Hor. sash gasket DU 5105	**Mullions axis distance - 162 mm**	
Vert. Glazing size 1	**Transoms axis(a,b, c, d, e, f, g) - 60 mm**	
Hor. Glazing size 1	**Mullions axis distance - 60 mm**	
Vert. Glazing size 2	**Transoms axis(a,b, c, d, e, f, g) - 154 mm**	
Hor. Glazing size 2	**Mullions axis distance - 154 mm**	

For the glass fabrication with structural silicon please follow our instructions

Energy WALL 50
Stick wall



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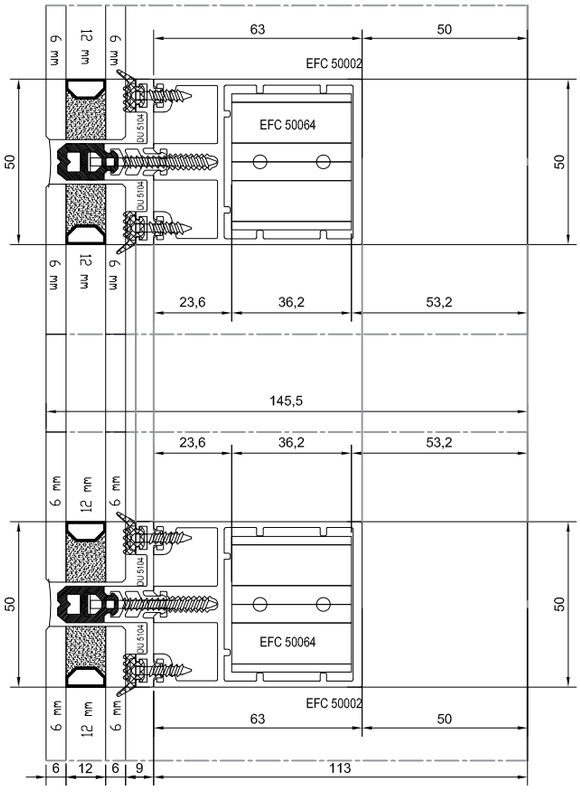
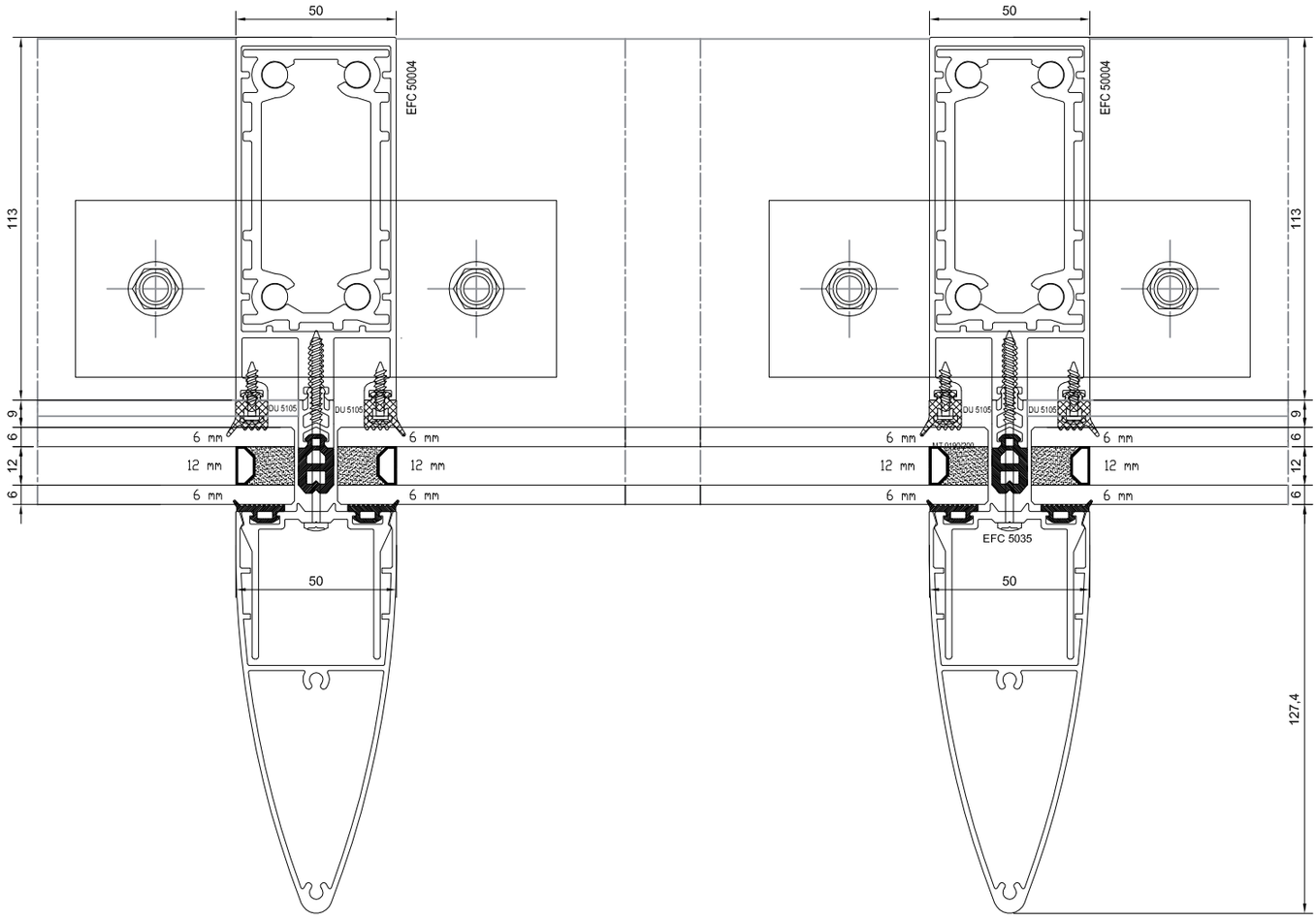


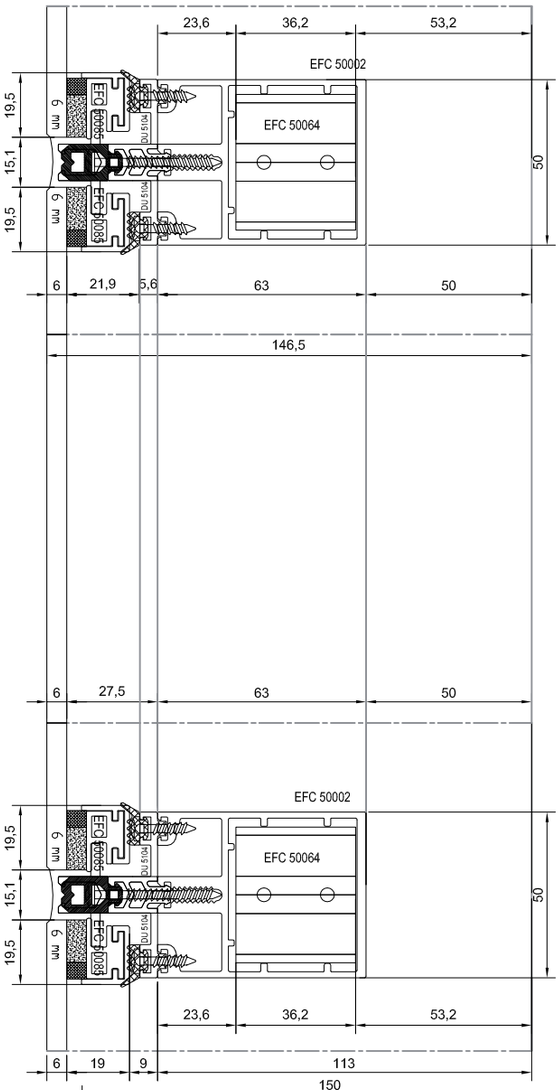
Mullions height (select one)	**Total Curtain height minus anchoring**	
Transoms width (Select one)	**(Mullions axis distance - 50) x number of transoms**	
Vertical Pressure plate	**Mullions length x number of mullions**	**Optional***
Horizontal Pressure plate	**(Mullions axis distance - 50) x number of transoms**	**Optional***
Vertical Cover	**Mullions length x number of mullions**	**Optional***
Horizontal Cover	**Mullions axis distance - 52 mm x number of transoms**	**Optional***
Vertical Spacer polyamide	**Mullions length x 2 x number of mullions**	
Horizontal Spacer EFC 5066 or PVC	**(Mullions axis distance - 13 mm) x number of transoms**	
Vert. Glazing size fix	**Transoms axis(a,b, c, d, e, f, g) - 17 mm**	
Hor. Glazing size fix	**Mullions axis distance - 17 mm**	
Mullions Gaskets DU 5105	**Mullions length x 2 x number of mullions (To be cut)**	
Transoms Gaskets DU 5104	**(Transom length + 38) x 2 x number of transoms**	
Vert. outer glazing gaskets	**Mullions length x 2 x number of mullions**	**Optional***
Hor. outer glazing gasket	**Transom length x 2 x number of transoms (Mx -50)**	**Optional***
EPDM central gasket	**(Transoms lenght + 38) x n° + (Mullions height) x n°**	

Decorative shadders can be mounted vertically or horizontally with and without covers on the other dimension, at the place of the covers and pressure plates it is possible to install a "Covering Gasket"

Energy WALL 50
Stick wall



LISTE DI TAGLIO

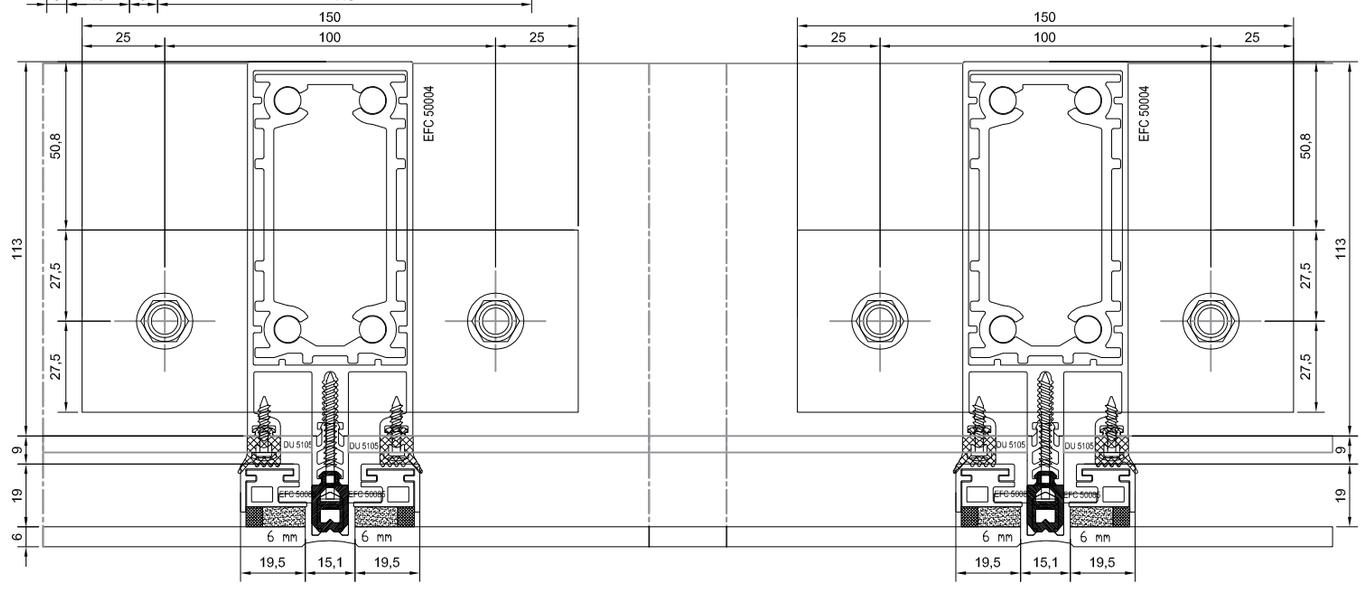


Mullions height (select one)	**Total Curtain height minus anchoring**	
Transoms width (Select one)	**(Mullions axis distance - 50) x number of transoms**	
Vertical Pressure plate	**Mullions length x number of mullions**	**Optional***
Horizontal Pressure plate	**(Mullions axis distance - 50) x number of transoms**	**Optional***
Vertical Cover	**Mullions length x number of mullions**	**Optional***
Horizontal Cover	**Mullions axis distance - 52 mm x number of transoms**	**Optional***
Vertical Spacer Polyamide	**Mullions length x 1 x number of mullions**	
Horizontal Spacer EFC 5090 or PVC	**(Mullions axis distance - 13 mm) x number of transoms**	
Vertical Glass frame	**Transoms axis distance - 15 mm**	
Horizontal Glass frame	**Mullions axis distance - 15 mm**	
Vertical Structural glass profile	**Transoms axis distance - 10 mm**	
Horizontal Structural glass profile	**Mullions axis distance - 10 mm**	
Vert. Glazing size fix	**Transoms axis(a,b, c, d, e, f, g) - 10 mm**	
Hor. Glazing size fix	**Mullions axis distance - 10 mm**	
Mullions Gaskets DU 5105	**Mullions length x 2 x number of mullions (To be cut)**	
Transoms Gaskets DU 5104	**(Transom length + 38) x 2 x number of transoms**	
Vert. outer glazing gaskets	**Mullions length x 2 x number of mullions**	**Optional***
Hor. outer glazing gasket	**Transom length x 2 x number of transoms (Mx -50)**	**Optional***
EPDM central gasket	**(Transoms lenght + 38) x n° + (Mullions height) x n°**	

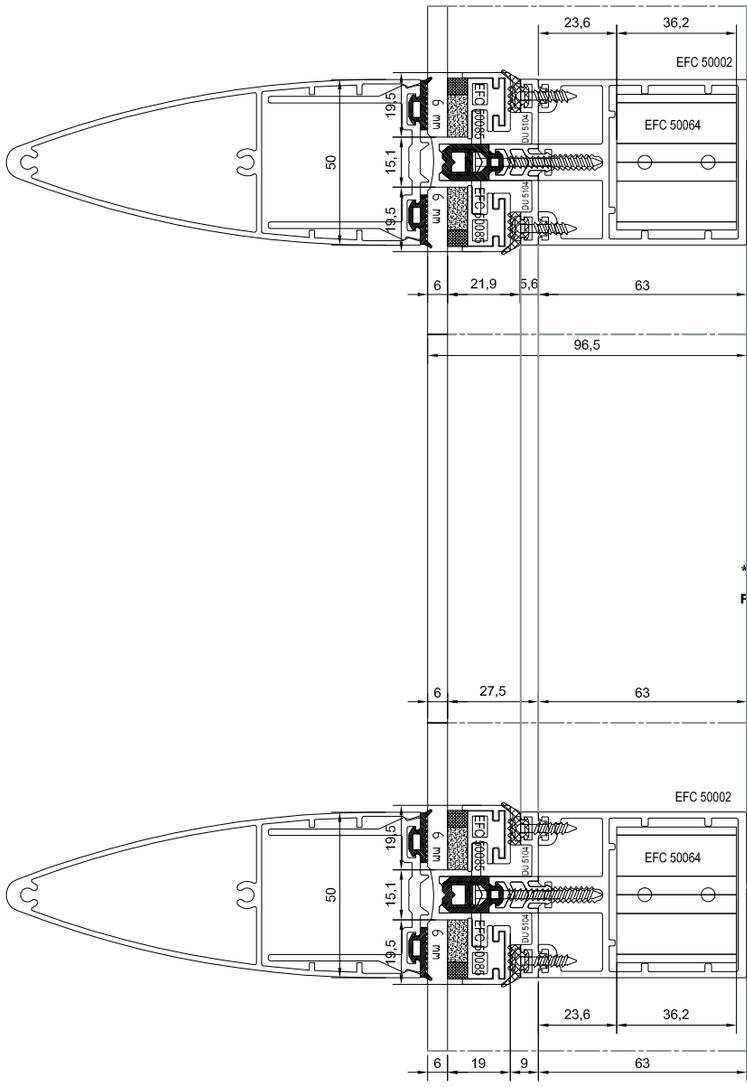
*** Covers cannot be install on opening areas, to install covers on opening lines select another model**

For the glass fabrication with structural silicon please follow our instructions

Energy WALL 50
Structural frame



LISTE DI TAGLIO

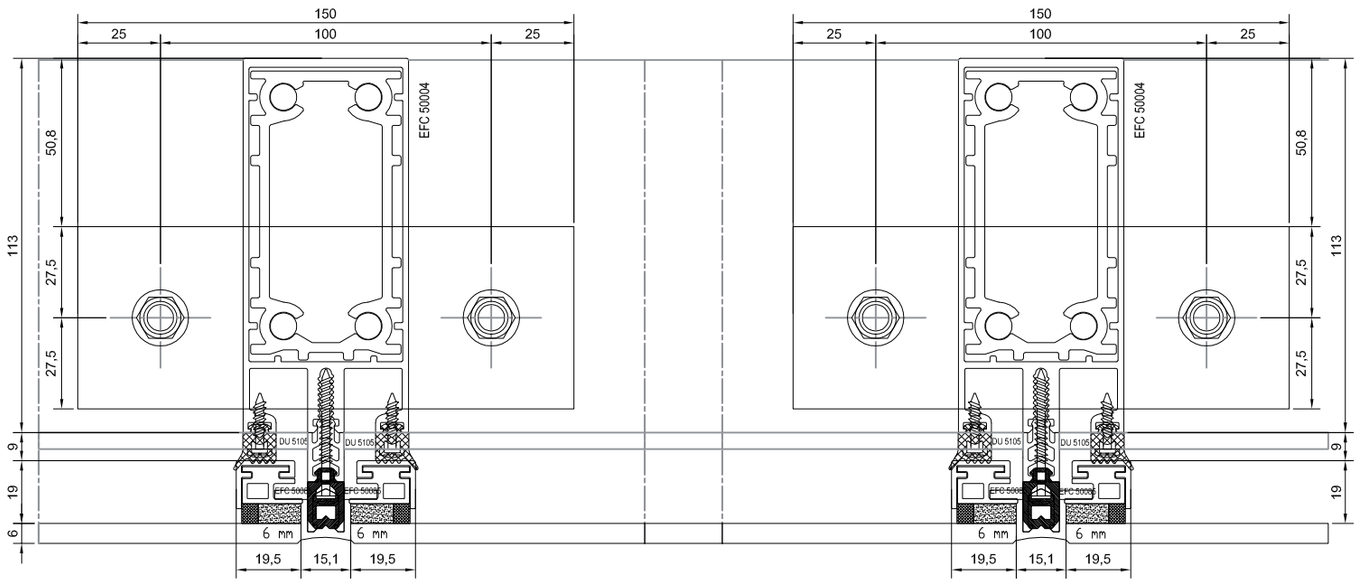


Mullions height (select one)	**Total Curtain height minus anchoring**
Transoms width (Select one)	**(Mullions axis distance - 50) x number of transoms**
Vertical Pressure plate	**Mullions length x number of mullions***
Horizontal Pressure plate	**(Mullions axis distance - 50) x number of transoms***
Vertical Cover	**Mullions length x number of mullions***
Horizontal Cover	**Mullions axis distance - 52 mm x number of transoms***
Vertical Spacer Polyamide	**Mullions length x 1 x number of mullions**
Horizontal Spacer EFC 5090 or PVC	**(Mullions axis distance - 13 mm) x number of transoms**
Vertical Glass frame	**Transoms axis distance - 15 mm**
Horizontal Glass frame	**Mullions axis distance - 15 mm**
Vertical Structural glass profile	**Transoms axis distance - 10 mm**
Horizontal Structural glass profile	**Mullions axis distance - 10 mm**
Vert. Glazing size fix	**Transoms axis(a,b, c, d, e, f, g) - 10 mm**
Hor. Glazing size fix	**Mullions axis distance - 10 mm**
Mullions Gaskets DU 5105	**Mullions length x 2 x number of mullions (To be cut)**
Transoms Gaskets DU 5104	**(Transom length + 38) x 2 x number of transoms**
Vert. outer glazing gaskets	**Mullions length x 2 x number of mullions***
Hor. outer glazing gasket	**Transom length x 2 x number of transoms (Mx -50)***
EPDM central gasket	**(Transoms lenght + 38) x n° + (Mullions height) x n°**

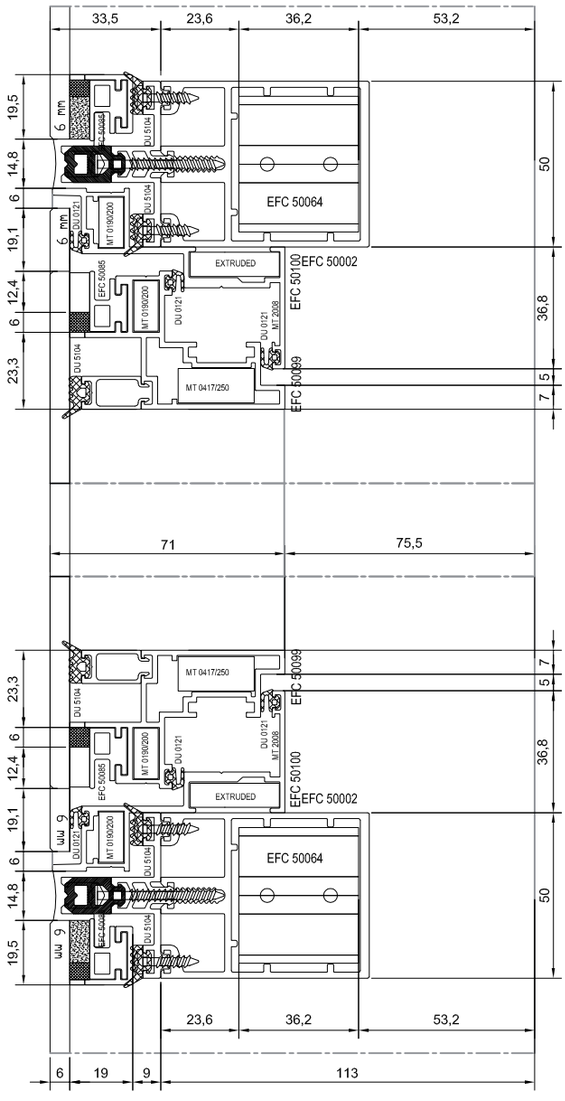
*** Covers cannot be install on opening areas, to install covers on opening lines select another model**

For the glass fabrication with structural silicon please follow our instructions

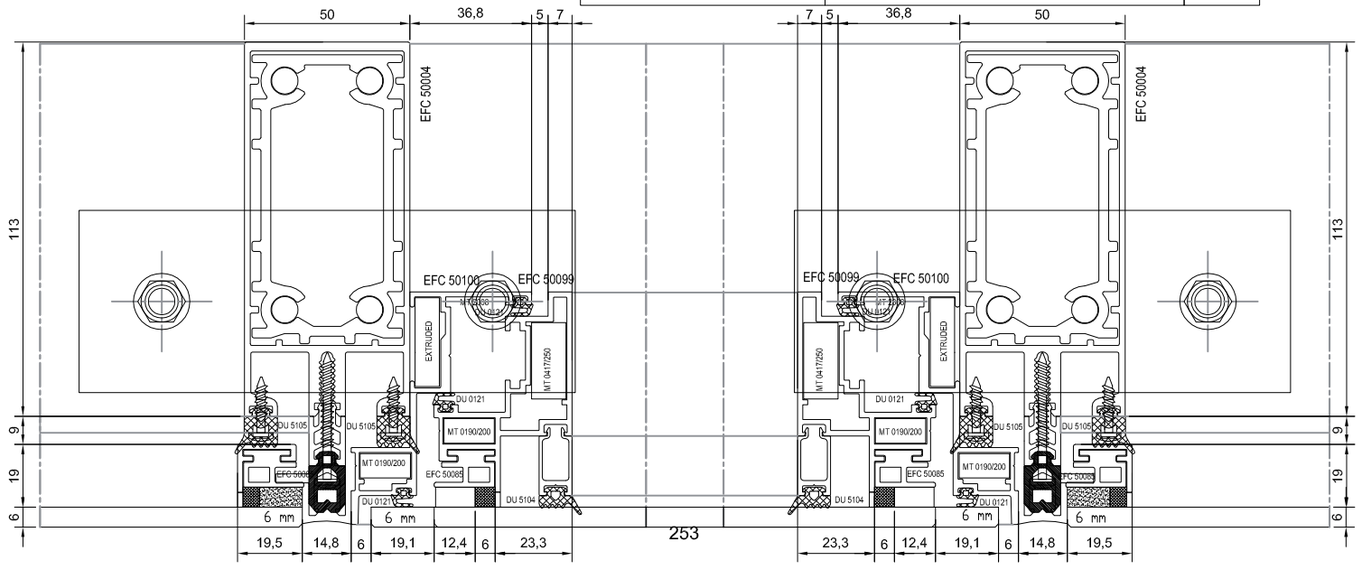
Energy WALL 50
Structural frame



LISTE DI TAGLIO



Mullions height (select one)	**Total Curtain height minus anchoring**	
Transoms width (Select one)	**(Mullions axis distance - 50) x number of transoms**	
Vertical Pressure plate	**Mullions length x number of mullions**	**Optional***
Horizontal Pressure plate	**(Mullions axis distance - 50) x number of transoms**	**Optional***
Vertical Cover	**Mullions length x number of mullions**	**Optional***
Horizontal Cover	**Mullions axis distance - 52 mm x number of transoms**	**Optional***
Vertical Spacer Polyamide	**Mullions length x 1 x number of mullions**	
Horizontal Spacer EFC 5090 or PVC	**(Mullions axis distance - 13 mm) x number of transoms**	
Vertical Glass frame	**Transoms axis distance - 15 mm**	
Horizontal Glass frame	**Mullions axis distance - 15 mm**	
Vertical Structural glass profile	**Transoms axis distance - 10 mm**	
Horizontal Structural glass profile	**Mullions axis distance - 10 mm**	
Vert. Glazing size fix	**Transoms axis(a,b, c, d, e, f, g) - 10 mm**	
Hor. Glazing size fix	**Mullions axis distance - 10 mm**	
Mullions Gaskets DU 5105	**Mullions length x 2 x number of mullions (To be cut)**	
Transoms Gaskets DU 5104	**(Transom length + 38) x 2 x number of transoms**	
Vert. outer glazing gaskets	**Mullions length x 2 x number of mullions**	**Optional**
Hor. outer glazing gasket	**Transom length x 2 x number of transoms (Mx -50)**	**Optional**
EPDM central gasket	**(Transoms lenght + 38) x n° + (Mullions height) x n°**	
Horizontal opening fix frame	**Mullions axis distance - 15 mm PROJECTING WINDOWS**	
Vertical opening fix frame	**Transoms axis distance - 15 mm**	
Horizontal opening sash	**Mullions axis distance - 65 mm**	
Vertical opening sash	**Transoms axis distance - 65 mm**	
Single Glass adapter vertical	**Transoms axis distance - 128 mm**	
Single Glass adapter horizontal	**Mullions axis distance - 146 mm**	
Vertical Structural glass profile	**Transoms axis distance - 65 mm**	
Horizontal Structural glass profile	**Mullions axis distance - 65 mm**	
Vert. fix frame gasket DU 121	**Transoms axis distance - 40 mm and - 110 mm**	
Hor. fix frame gasket DU 121	**Mullions axis distance - 40 mm and - 110 mm**	
Vert. Opening sash gasket DU 121	**Transoms axis distance - 65 mm**	
Hor. Opening sash gasket DU 121	**Mullions axis distance - 65 mm**	
Vert. sash gasket DU 5104	**Transoms axis distance - 128 mm**	
Hor. sash gasket DU 5104	**Mullions axis distance - 128 mm**	
PROJECTING WINDOWS GLASSES	**Without covers**	
Vert. Glazing size 1	**Transoms axis(a,b, c, d, e, f, g) - 29 mm**	
Hor. Glazing size 1	**Mullions axis distance - 29 mm**	
PROJECTING WINDOWS GLASSES	**With horizontal covers**	
Vert. Glazing size 1	**Transoms axis(a,b, c, d, e, f, g) - 65 mm**	
Hor. Glazing size 1	**Mullions axis distance - 29 mm**	
PROJECTING WINDOWS GLASSES	**With vertical covers**	
Vert. Glazing size 1	**Transoms axis(a,b, c, d, e, f, g) - 29 mm**	
Hor. Glazing size 1	**Mullions axis distance - 65 mm**	



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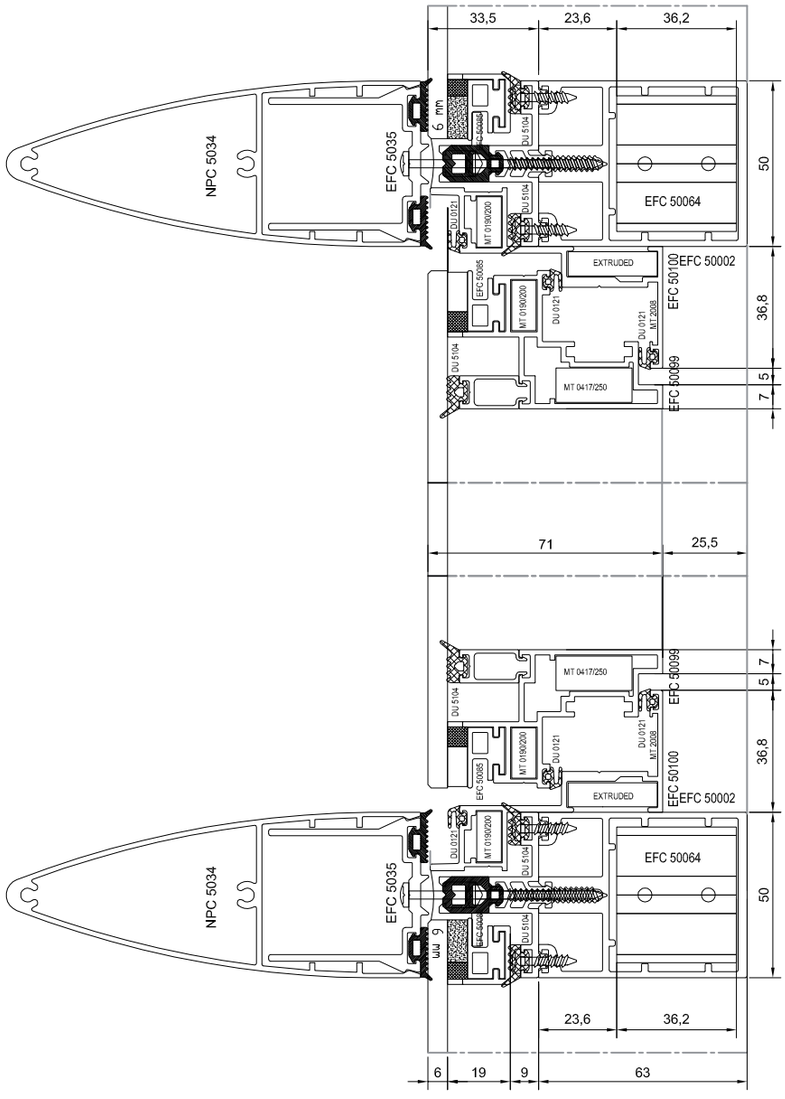
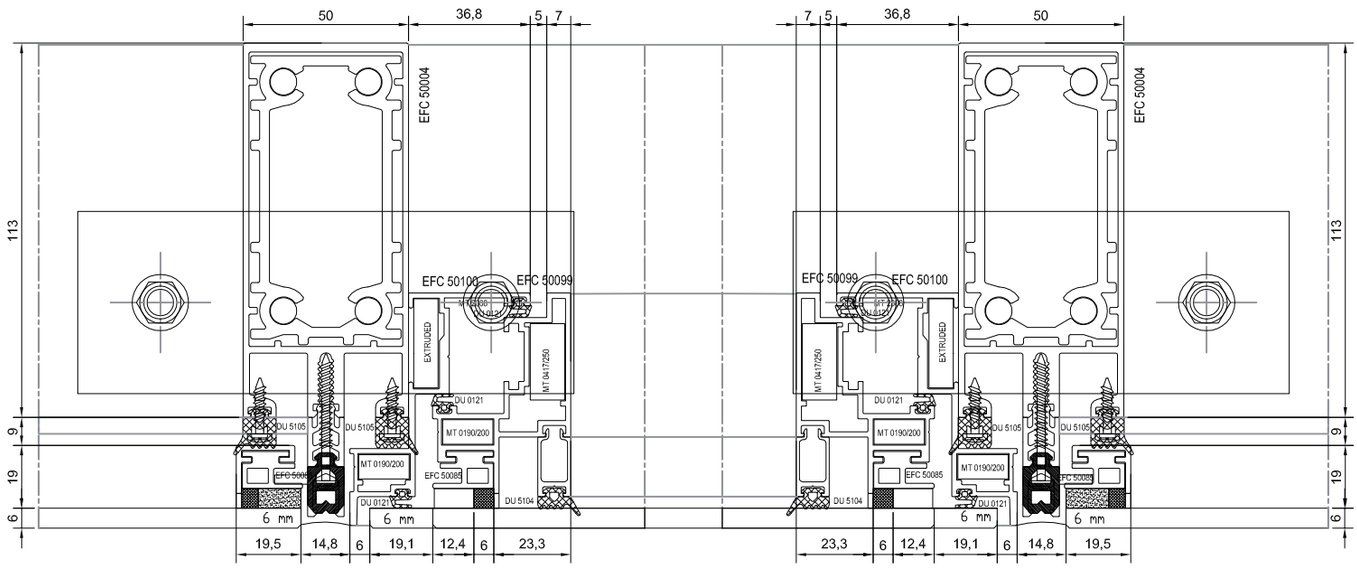


Mullions height (select one)	Total Curtain height minus anchoring	
Transoms width (Select one)	(Mullions axis distance - 50) x number of transoms	
Vertical Pressure plate	Mullions length x number of mullions	Optional*
Horizontal Pressure plate	(Mullions axis distance - 50) x number of transoms	Optional*
Vertical Cover	Mullions length x number of mullions	Optional*
Horizontal Cover	Mullions axis distance - 52 mm x number of transoms	Optional*
Vertical Spacer Polyamide	Mullions length x 1 x number of mullions	
Horizontal Spacer EFC 5090 or PVC	(Mullions axis distance - 13 mm) x number of transoms	
Vertical Glass frame	Transoms axis distance - 15 mm	
Horizontal Glass frame	Mullions axis distance - 15 mm	
Vertical Structural glass profile	Transoms axis distance - 10 mm	
Horizontal Structural glass profile	Mullions axis distance - 10 mm	
Vert. Glazing size fix	Transoms axis(a,b, c, d, e, f, g) - 10 mm	
Hor. Glazing size fix	Mullions axis distance - 10 mm	
Mullions Gaskets DU 5105	Mullions length x 2 x number of mullions (To be cut)	
Transoms Gaskets DU 5104	(Transom length + 38) x 2 x number of transoms	
Vert. outer glazing gaskets	Mullions length x 2 x number of mullions	Optional
Hor. outer glazing gasket	Transom length x 2 x number of transoms (Mx -50)	Optional
EPDM central gasket	(Transoms lenght + 38) x n° + (Mullions height) x n°	

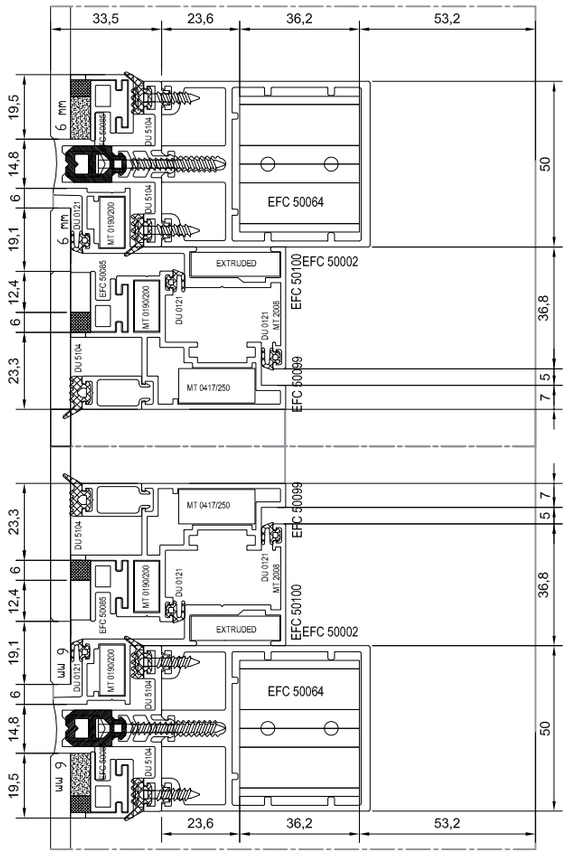
PROJECTING WINDOWS		
Horizontal opening fix frame	Mullions axis distance - 15 mm	
Vertical opening fix frame	Transoms axis distance - 15 mm	
Horizontal opening sash	Mullions axis distance - 65 mm	
Vertical opening sash	Transoms axis distance - 65 mm	
Single Glass adapter vertical	Transoms axis distance - 128 mm	
Single Glass adapter horizontal	Mullions axis distance - 146 mm	
Vertical Structural glass profile	Transoms axis distance - 65 mm	
Horizontal Structural glass profile	Mullions axis distance - 65 mm	
Vert. fix frame gasket DU 121	Transoms axis distance - 110 mm	
Hor. fix frame gasket DU 121	Mullions axis distance - 110 mm	
Vert. Opening sash gasket DU 121	Transoms axis distance - 65 mm	
Hor. Opening sash gasket DU 121	Mullions axis distance - 65 mm	
Vert. sash gasket DU 5104	Transoms axis distance - 128 mm	
Hor. sash gasket DU 5104	Mullions axis distance - 128 mm	
PROJECTING WINDOWS GLASSES	With horizontal covers	
Vert. Glazing size 1	Transoms axis(a,b, c, d, e, f, g) - 65 mm	
Hor. Glazing size 1	Mullions axis distance - 29 mm	

For the glass fabrication with structural silicon please follow our instructions

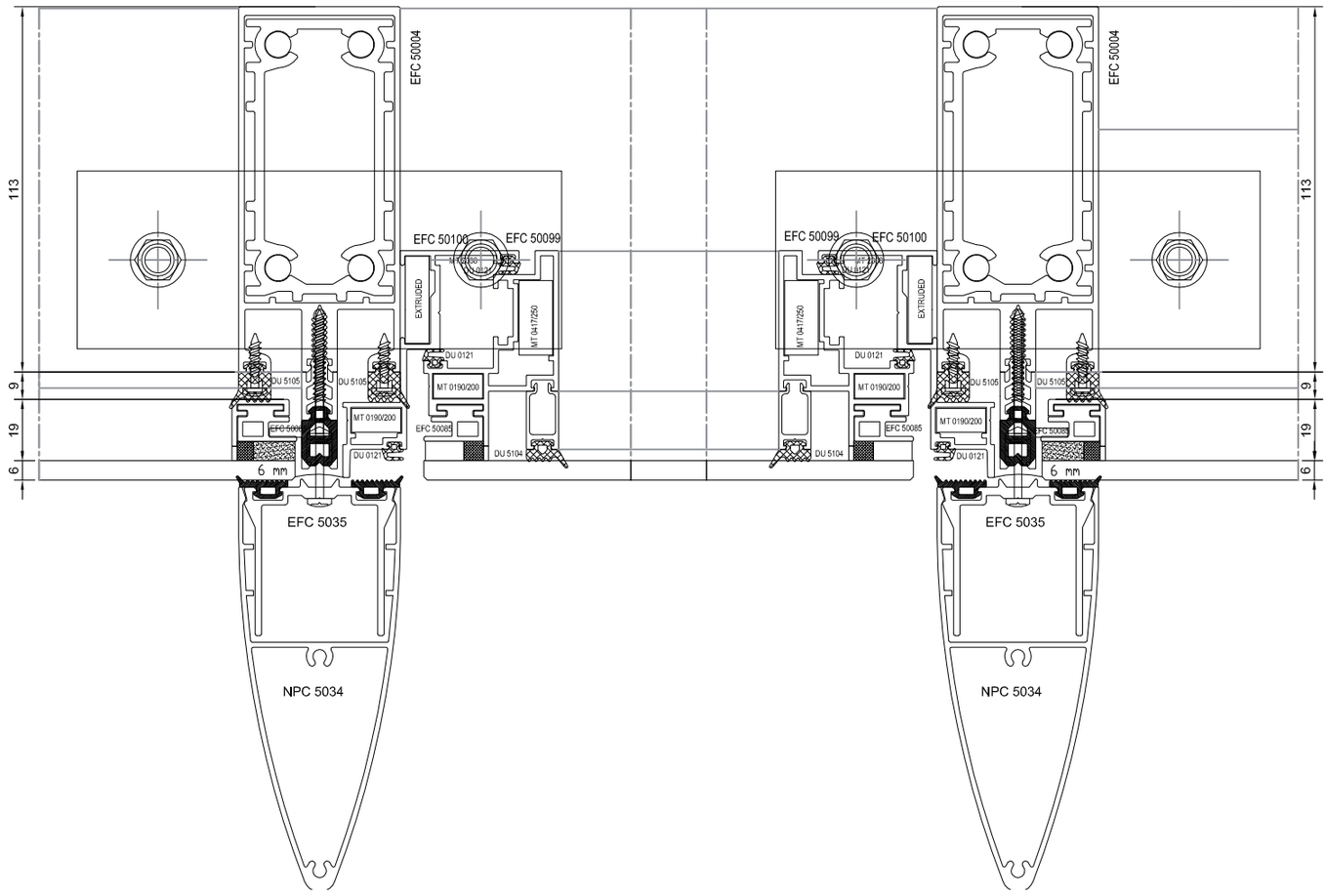
Energy WALL 50 Structural Design



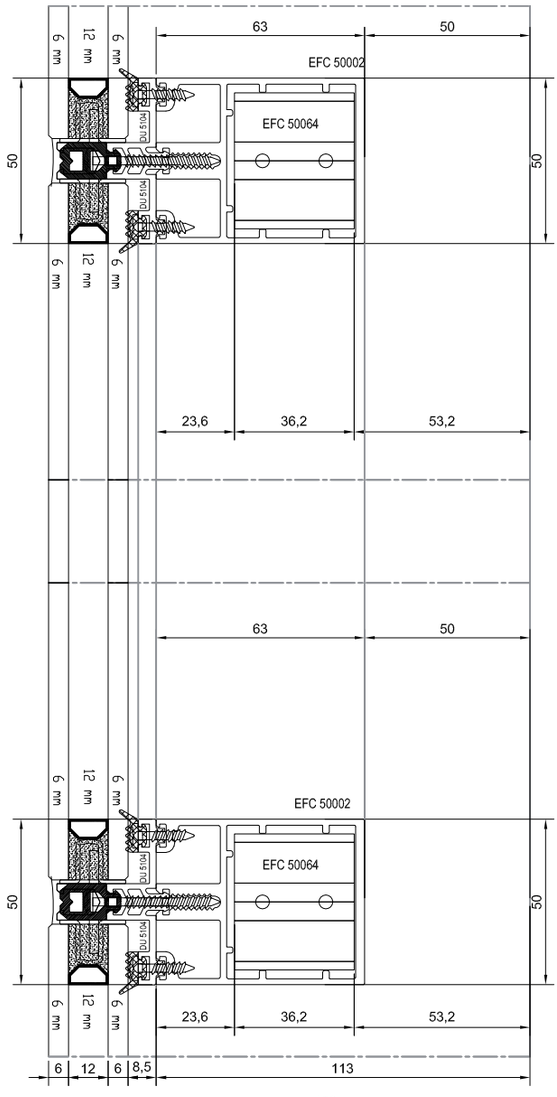
LISTE DI TAGLIO



Mullions height (select one)	**Total Curtain height minus anchoring**	
Transoms width (Select one)	**(Mullions axis distance - 50) x number of transoms**	
Vertical Pressure plate	**Mullions length x number of mullions**	**Optional***
Horizontal Pressure plate	**(Mullions axis distance - 50) x number of transoms**	**Optional***
Vertical Cover	**Mullions length x number of mullions**	**Optional***
Horizontal Cover	**Mullions axis distance - 52 mm x number of transoms**	**Optional***
Vertical Spacer Polyamide	**Mullions length x 1 x number of mullions**	
Horizontal Spacer EFC 5090 or PVC	**(Mullions axis distance - 13 mm) x number of transoms**	
Vertical Glass frame	**Transoms axis distance - 15 mm**	
Horizontal Glass frame	**Mullions axis distance - 15 mm**	
Vertical Structural glass profile	**Transoms axis distance - 10 mm**	
Horizontal Structural glass profile	**Mullions axis distance - 10 mm**	
Vert. Glazing size fix	**Transoms axis(a,b, c, d, e, f, g) - 10 mm**	
Hor. Glazing size fix	**Mullions axis distance - 10 mm**	
Mullions Gaskets DU 5105	**Mullions length x 2 x number of mullions (To be cut)**	
Transoms Gaskets DU 5104	**(Transom length + 38) x 2 x number of transoms**	
Vert. outer glazing gaskets	**Mullions length x 2 x number of mullions**	**Optional**
Hor. outer glazing gasket	**Transom length x 2 x number of transoms (Mx -50)**	**Optional**
EPDM central gasket	**(Transoms lenght + 38) x n° + (Mullions height) x n°**	
PROJECTING WINDOWS		
Horizontal opening fix frame	**Mullions axis distance - 15 mm**	
Vertical opening fix frame	**Transoms axis distance - 15 mm**	
Horizontal opening sash	**Mullions axis distance - 65 mm**	
Vertical opening sash	**Transoms axis distance - 65 mm**	
Single Glass adapter vertical	**Transoms axis distance - 128 mm**	
Single Glass adapter horizontal	**Mullions axis distance - 146 mm**	
Vertical Structural glass profile	**Transoms axis distance - 65 mm**	
Horizontal Structural glass profile	**Mullions axis distance - 65 mm**	
Vert. fix frame gasket DU 121	**Transoms axis distance - 40 mm and - 110 mm**	
Hor. fix frame gasket DU 121	**Mullions axis distance - 40 mm and - 110 mm**	
Vert. Opening sash gasket DU 121	**Transoms axis distance - 65 mm**	
Hor. Opening sash gasket DU 121	**Mullions axis distance - 65 mm**	
Vert. sash gasket DU 5104	**Transoms axis distance - 128 mm**	
Hor. sash gasket DU 5104	**Mullions axis distance - 128 mm**	
PROJECTING WINDOWS GLASSES	**With vertical covers**	
Vert. Glazing size 1	**Transoms axis(a,b, c, d, e, f, g) - 29 mm**	
Hor. Glazing size 1	**Mullions axis distance - 65 mm**	



LISTE DI TAGLIO



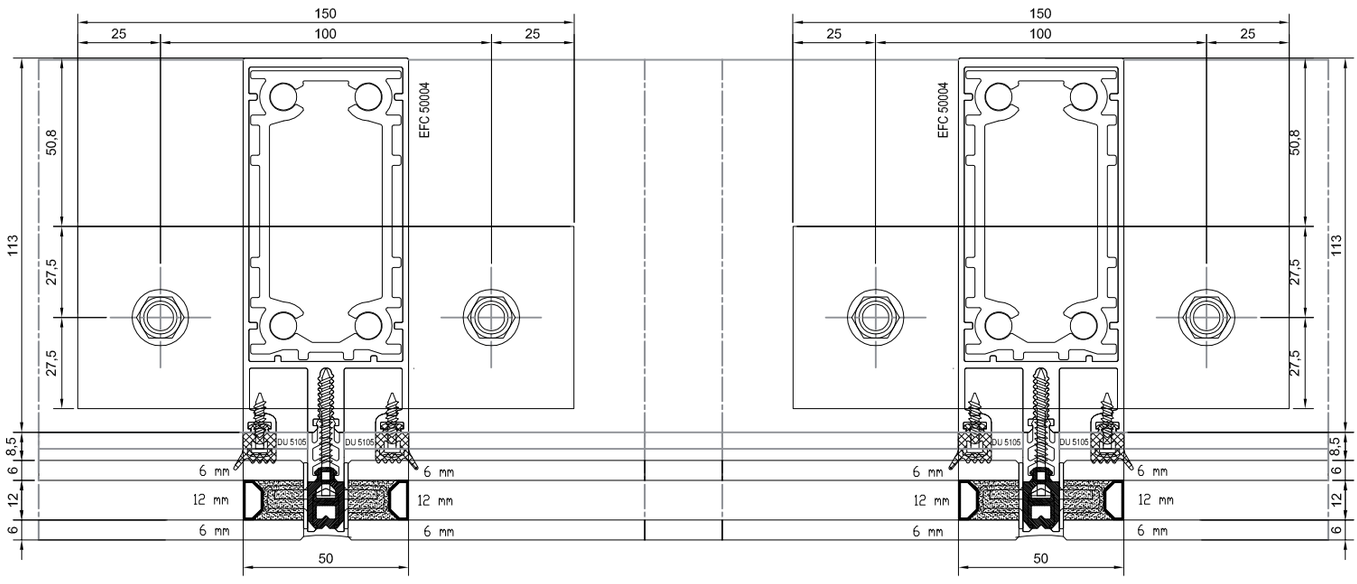
Mullions height (select one)	**Total Curtain height minus anchoring**	
Transoms width (Select one)	**(Mullions axis distance - 50) x number of transoms**	
Vertical Pressure plate*	**Mullions length x number of mullions**	**Optional***
Horizontal Pressure plate*	**(Mullions axis distance - 50) x number of transoms**	**Optional***
Vertical Cover*	**Mullions length x number of mullions**	**Optional***
Horizontal Cover*	**Mullions axis distance - 52 mm x number of transoms**	**Optional***
Vertical Spacer polyamide	**Mullions length x 1 x number of mullions**	
Horizontal Spacer EFC 5090 or PVC	**(Mullions axis distance - 13 mm) x number of transoms**	
Vert. Glazing size fix	**Transoms axis - 18 mm (Use EFC 50140 for glazing)**	
Hor. Glazing size fix	**Mullions axis distance - 18 mm (Use EFC 50140)**	
Vert. EFC 50140 x Glazing size fix **	**In pieces depending on glass size**	
Hor. EFC 50140x Glazing size fix **	**In pieces depending on glass size**	
Mullions Gaskets DU 5105	**Mullions length x 2 x number of mullions (To be cut)**	
Transoms Gaskets DU 5104	**(Transom length + 38) x 2 x number of transoms**	
Vert. outer glazing gaskets	**Mullions length x 2 x number of mullions**	**Optional***
Hor. outer glazing gasket	**Transom length x 2 x number of transoms (Mx -50)**	**Optional***
EPDM central gasket	**(Transoms lenght + 38) x n° + (Mullions height) x n°**	

****Glazing Screw holding profile EFC 50140: To be deliver to glass makers**

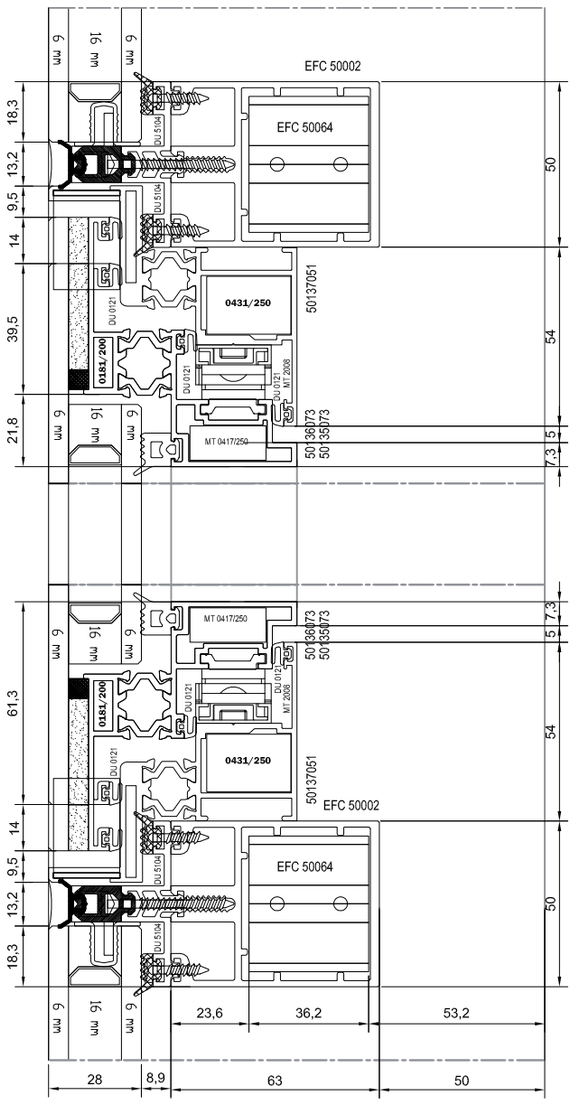
*** Installing covers will comport to select the appropriate opening model and change the glass size on the opening that it is to be cut to "Mullion axis-65" or "Transom axis-65"**

For the glass fabrication with structural silicon please follow our instructions

Energy WALL 50
Structural Design



LISTE DI TAGLIO



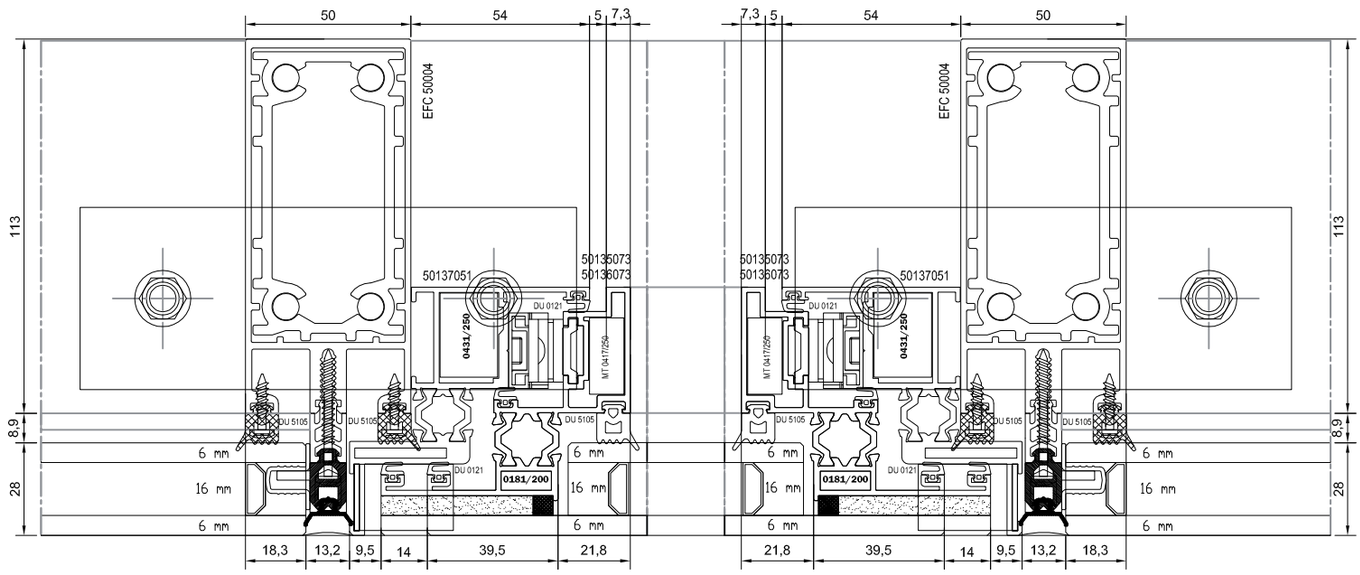
Mullions height (select one)	Total Curtain height minus anchoring	
Transoms width (Select one)	(Mullions axis distance - 50) x number of transoms	
Vertical Pressure plate*	Mullions length x number of mullions	Optional*
Horizontal Pressure plate*	(Mullions axis distance - 50) x number of transoms	Optional*
Vertical Cover*	Mullions length x number of mullions	Optional*
Horizontal Cover*	Mullions axis distance - 52 mm x number of transoms	Optional*
Vertical Spacer polyamide	Mullions length x 1 x number of mullions	
Horizontal Spacer EFC 5090 or PVC	(Mullions axis distance - 13 mm) x number of transoms	
Vert. Glazing size fix	Transoms axis - 18 mm (Use EFC 50140 for glazing)	
Hor. Glazing size fix	Mullions axis distance - 18 mm (Use EFC 50140)	
Vert. EFC 50140 x Glazing size fix **	In pieces depending on glass size	
Hor. EFC 50140x Glazing size fix **	In pieces depending on glass size	
Mullions Gaskets DU 5105	Mullions length x 2 x number of mullions (To be cut)	
Transoms Gaskets DU 5104	(Transom length + 38) x 2 x number of transoms	
Vert. outer glazing gaskets	Mullions length x 2 x number of mullions	Optional*
Hor. outer glazing gasket	Transom length x 2 x number of transoms (Mx -50)	Optional*
EPDM central gasket	(Transoms lenght + 38) x n° + (Mullions height) x n°	

**Glazing Screw holding profile EFC 50140: To be deliver to glass makers

PROJECTING WINDOWS		
Horizontal opening fix frame	Mullions axis distance - 13 mm	
Vertical opening fix frame	Transoms axis distance - 13 mm	
Horizontal opening sash	Mullions axis distance - 32 mm	
Vertical opening sash	Transoms axis distance - 32 mm	
Vert. fix frame gasket DU 121	Transoms axis distance - 145 mm	
Hor. fix frame gasket DU 121	Mullions axis distance - 145 mm	
Vert. Opening sash gasket DU 121	Transoms axis distance - 32 and Transoms axis - 100	
Hor. Opening sash gasket DU 121	Mullions axis distance - 32 and Mullions axis - 100	
Vert. sash gasket DU 5105	Transoms axis distance - 162 mm	
Hor. sash gasket DU 5105	Mullions axis distance - 162 mm	
Vert. Glazing size 1	Transoms axis(a,b, c, d, e, f, g) - 32 mm	
Hor. Glazing size 1	Mullions axis distance - 32 mm	
Vert. Glazing size 2	Transoms axis(a,b, c, d, e, f, g) - 145 mm	
Hor. Glazing size 2	Mullions axis distance - 145 mm	

For the glass fabrication with structural silicon please follow our instructions
* Covers cannot be install on opening areas, to install covers on opening lines select another model

Energy WALL 50 Structural Design



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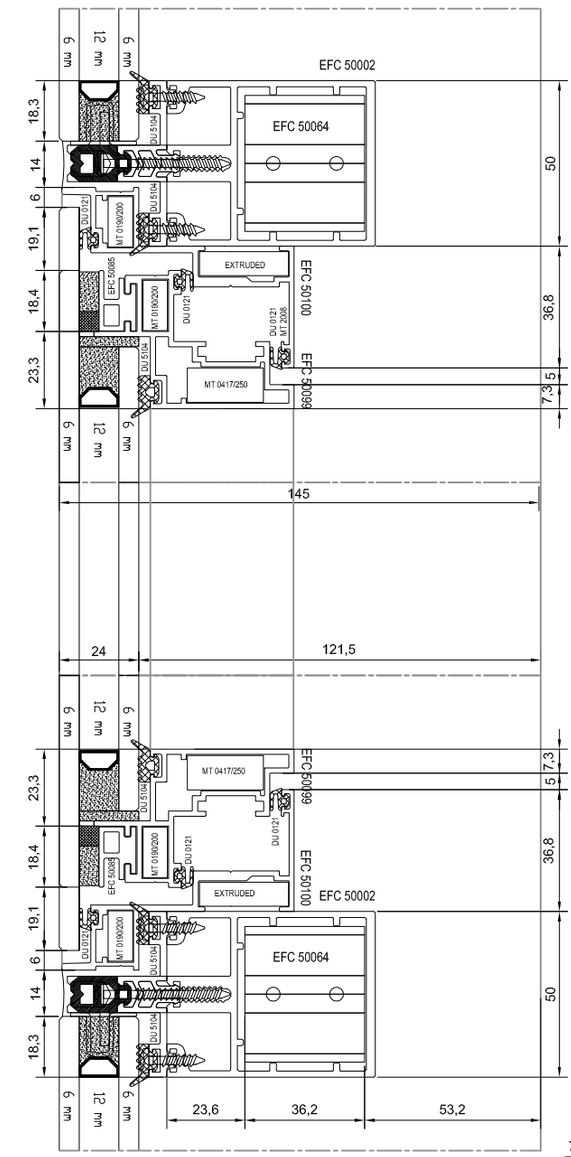
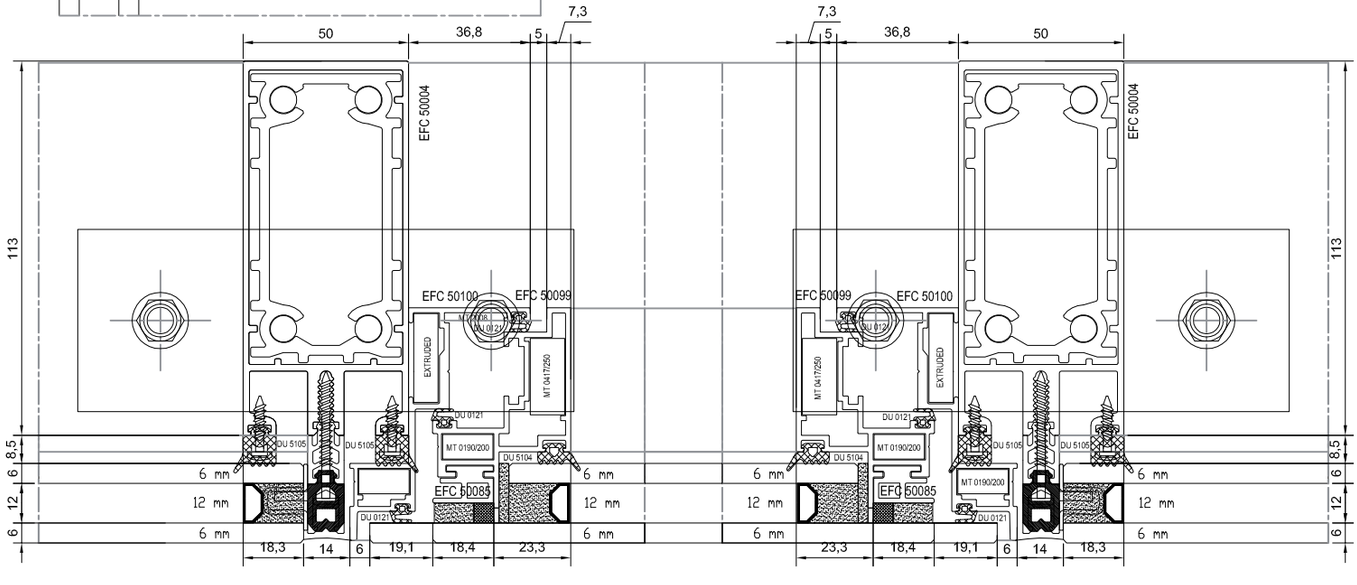


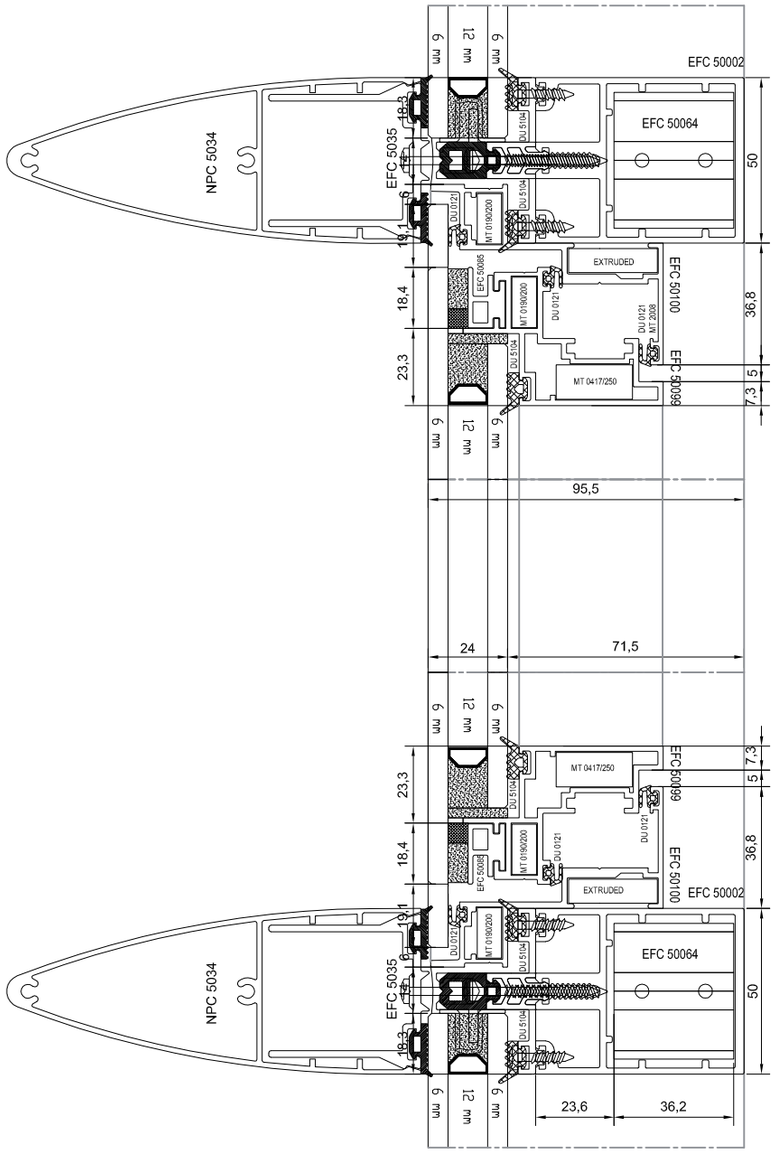
Mullions height (select one)	**Total Curtain height minus anchoring**	
Transoms width (Select one)	**(Mullions axis distance - 50) x number of transoms**	
Vertical Pressure plate*	**Mullions length x number of mullions**	**Optional**
Horizontal Pressure plate*	**(Mullions axis distance - 50) x number of transoms**	**Optional**
Vertical Cover*	**Mullions length x number of mullions**	**Optional**
Horizontal Cover*	**Mullions axis distance - 52 mm x number of transoms**	**Optional**
Vertical Spacer polyamide	**Mullions length x 1 x number of mullions**	
Horizontal Spacer EFC 5090 or PVC	**(Mullions axis distance - 13 mm) x number of transoms**	
Vert. Glazing size fix	**Transoms axis - 18 mm (Use EFC 50140 for glazing)**	
Hor. Glazing size fix	**Mullions axis distance - 18 mm (Use EFC 50140)**	
Vert. EFC 50140 x Glazing size fix **	**In pieces depending on glass size**	
Hor. EFC 50140x Glazing size fix **	**In pieces depending on glass size**	
Mullions Gaskets DU 5105	**Mullions length x 2 x number of mullions (To be cut)**	
Transoms Gaskets DU 5104	**(Transom length + 38) x 2 x number of transoms**	
Vert. outer glazing gaskets	**Mullions length x 2 x number of mullions**	**Optional**
Hor. outer glazing gasket	**Transom length x 2 x number of transoms (Mx -50)**	**Optional**
EPDM central gasket	**(Transoms lenght + 38) x n° + (Mullions height) x n°**	

****Glazing Screw holding profile EFC 50140: To be deliver to glass makers**

PROJECTING WINDOWS		
Horizontal opening fix frame	**Mullions axis distance - 15 mm**	
Vertical opening fix frame	**Transoms axis distance - 15 mm**	
Horizontal opening sash	**Mullions axis distance - 65 mm**	
Vertical opening sash	**Transoms axis distance - 65 mm**	
Vertical Structural glass profile	**Transoms axis distance - 65 mm**	
Horizontal Structural glass profile	**Mullions axis distance - 65 mm**	
Vert. fix frame gasket DU 121	**Transoms axis distance - 40 mm and - 110 mm**	
Hor. fix frame gasket DU 121	**Mullions axis distance - 40 mm and - 110 mm**	
Vert. Opening sash gasket DU 121	**Transoms axis distance - 65 mm**	
Hor. Opening sash gasket DU 121	**Mullions axis distance - 65 mm**	
Vert. sash gasket DU 5104	**Transoms axis distance - 128 mm**	
Hor. sash gasket DU 5104	**Mullions axis distance - 128 mm**	
PROJECTING WINDOWS GLASSES	**Without covers**	
Vert. Glazing size 1	**Transoms axis(a,b, c, d, e, f, g) - 29 mm**	
Hor. Glazing size 1	**Mullions axis distance - 29 mm**	
Vert. Glazing size 2	**Transoms axis(a,b, c, d, e, f, g) - 111 mm**	
Hor. Glazing size 2	**Mullions axis distance - 111 mm**	



LISTE DI TAGLIO

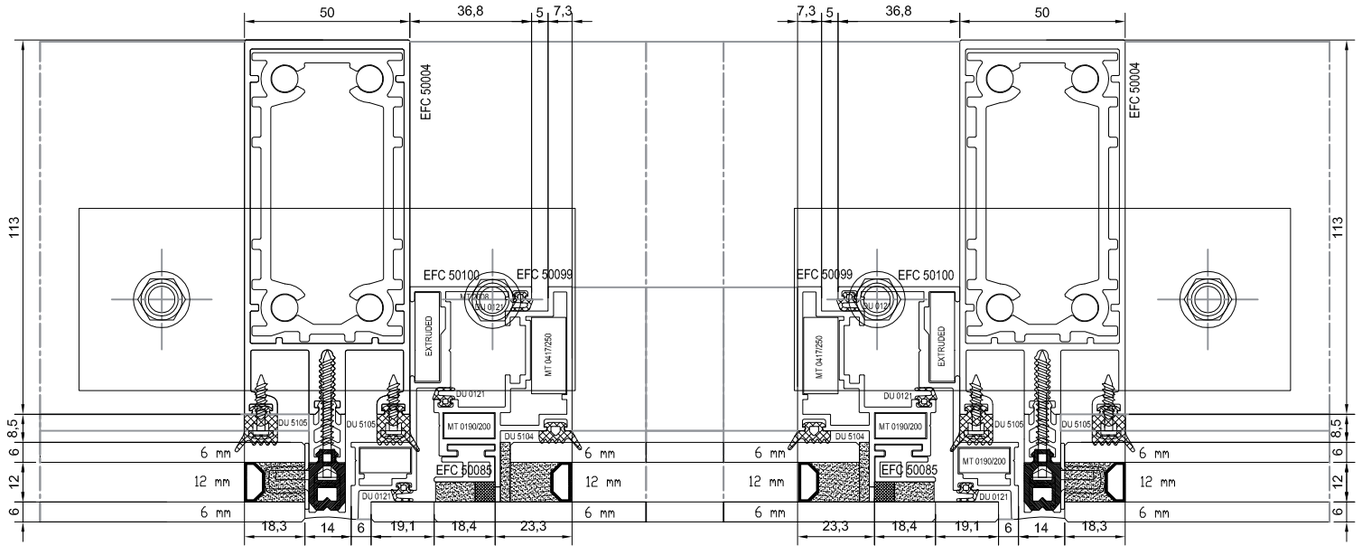


Mullions height (select one)	**Total Curtain height minus anchoring**	
Transoms width (Select one)	**(Mullions axis distance - 50) x number of transoms**	
Vertical Pressure plate*	**Mullions length x number of mullions**	**Optional**
Horizontal Pressure plate*	**(Mullions axis distance - 50) x number of transoms**	**Optional**
Vertical Cover*	**Mullions length x number of mullions**	**Optional**
Horizontal Cover*	**Mullions axis distance - 52 mm x number of transoms**	**Optional**
Vertical Spacer polyamide	**Mullions length x 1 x number of mullions**	
Horizontal Spacer EFC 5090 or PVC	**(Mullions axis distance - 13 mm) x number of transoms**	
Vert. Glazing size fix	**Transoms axis - 18 mm (Use EFC 50140 for glazing)**	
Hor. Glazing size fix	**Mullions axis distance - 18 mm (Use EFC 50140)**	
Vert. EFC 50140 x Glazing size fix **	**In pieces depending on glass size**	
Hor. EFC 50140x Glazing size fix **	**In pieces depending on glass size**	
Mullions Gaskets DU 5105	**Mullions length x 2 x number of mullions (To be cut)**	
Transoms Gaskets DU 5104	**(Transom length + 38) x 2 x number of transoms**	
Vert. outer glazing gaskets	**Mullions length x 2 x number of mullions**	**Optional**
Hor. outer glazing gasket	**Transom length x 2 x number of transoms (Mx -50)**	**Optional**
EPDM central gasket	**(Transoms lenght + 38) x n° + (Mullions height) x n°**	

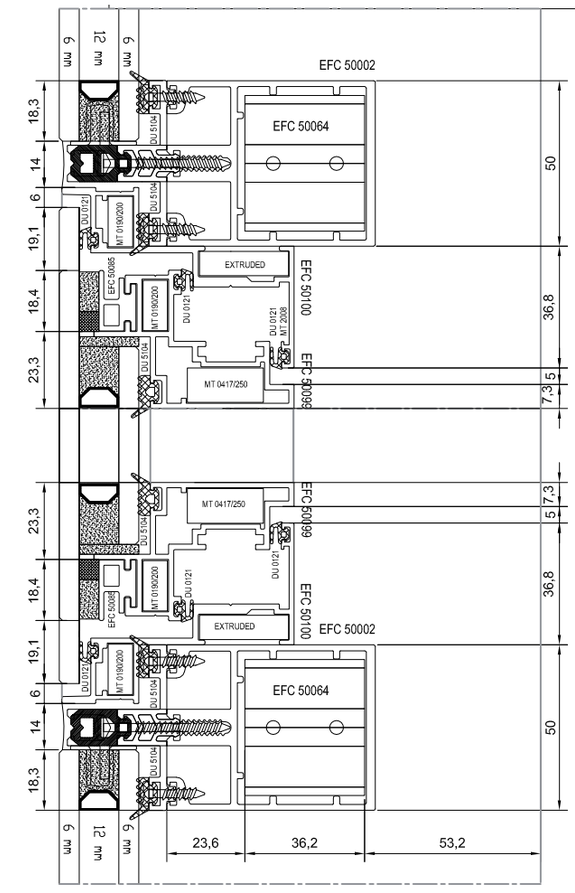
****Glazing Screw holding profile EFC 5140: To be deliver to glass makers**

PROJECTING WINDOWS		
Horizontal opening fix frame	**Mullions axis distance - 15 mm**	
Vertical opening fix frame	**Transoms axis distance - 15 mm**	
Horizontal opening sash	**Mullions axis distance - 65 mm**	
Vertical opening sash	**Transoms axis distance - 65 mm**	
Vertical Structural glass profile	**Transoms axis distance - 65 mm**	
Horizontal Structural glass profile	**Mullions axis distance - 65 mm**	
Vert. fix frame gasket DU 121	**Transoms axis distance - 40 mm and - 110 mm**	
Hor. fix frame gasket DU 121	**Mullions axis distance - 40 mm and - 110 mm**	
Vert. Opening sash gasket DU 121	**Transoms axis distance - 65 mm**	
Hor. Opening sash gasket DU 121	**Mullions axis distance - 65 mm**	
Vert. sash gasket DU 5104	**Transoms axis distance - 128 mm**	
Hor. sash gasket DU 5104	**Mullions axis distance - 128 mm**	
PROJECTING WINDOWS GLASSES	**With horizontal covers**	
Vert. Glazing size 1	**Transoms axis(a,b, c, d, e, f, g) - 65 mm**	
Hor. Glazing size 1	**Mullions axis distance - 29 mm**	
Vert. Glazing size 2	**Transoms axis(a,b, c, d, e, f, g) - 111 mm**	
Hor. Glazing size 2	**Mullions axis distance - 111 mm**	

For the glass fabrication with structural silicon please follow our instructions



LISTE DI TAGLIO

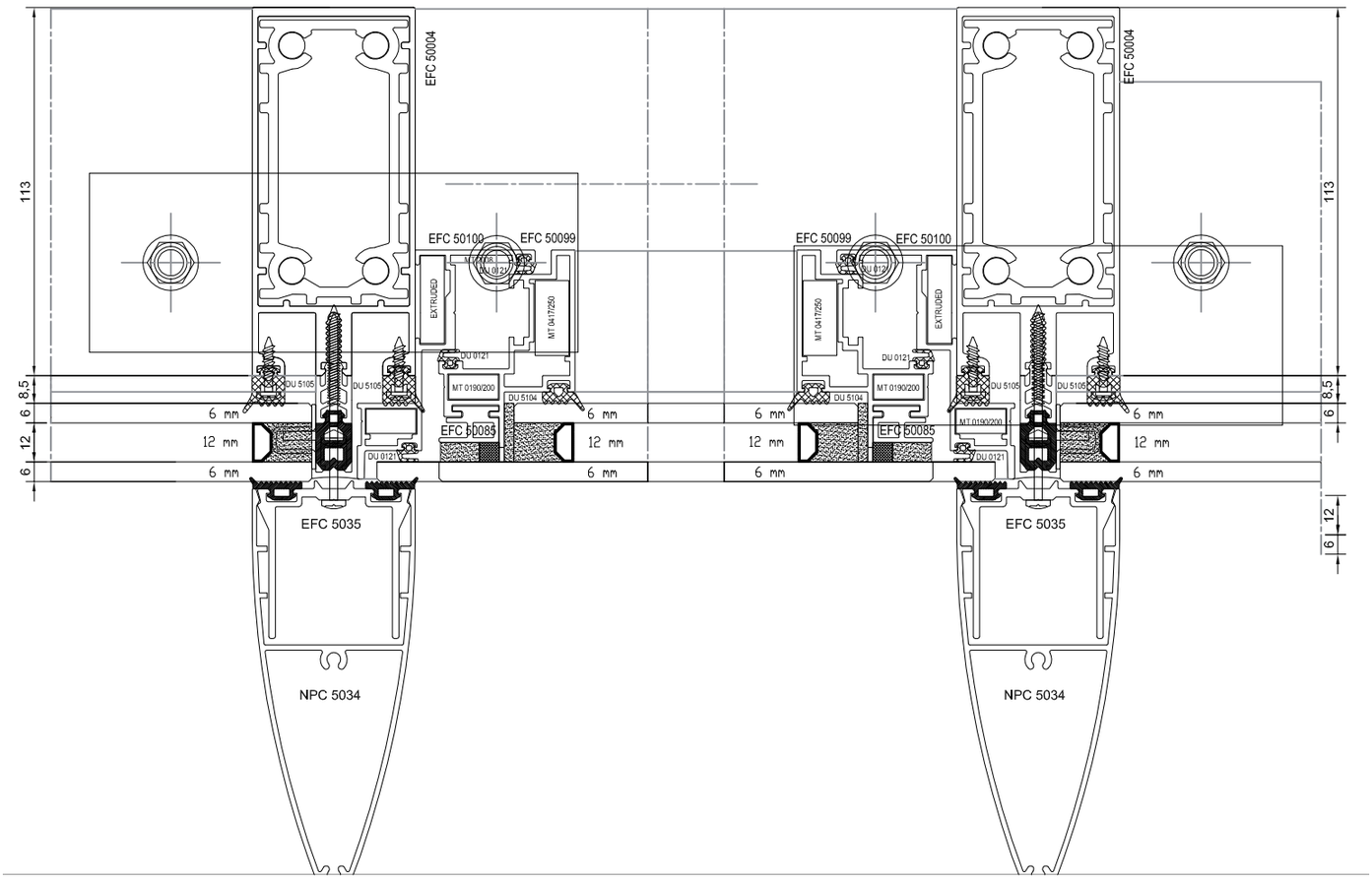


Mullions height (select one)	Total Curtain height minus anchoring	
Transoms width (Select one)	(Mullions axis distance - 50) x number of transoms	
Vertical Pressure plate*	Mullions length x number of mullions	Optional
Horizontal Pressure plate*	(Mullions axis distance - 50) x number of transoms	Optional
Vertical Cover*	Mullions length x number of mullions	Optional
Horizontal Cover*	Mullions axis distance - 52 mm x number of transoms	Optional
Vertical Spacer polyamide	Mullions length x 1 x number of mullions	
Horizontal Spacer EFC 5090 or PVC	(Mullions axis distance - 13 mm) x number of transoms	
Vert. Glazing size fix	Transoms axis - 18 mm (Use EFC 50140 for glazing)	
Hor. Glazing size fix	Mullions axis distance - 18 mm (Use EFC 50140)	
Vert. EFC 50140 x Glazing size fix **	In pieces depending on glass size	
Hor. EFC 50140x Glazing size fix **	In pieces depending on glass size	
Mullions Gaskets DU 5105	Mullions length x 2 x number of mullions (To be cut)	
Transoms Gaskets DU 5104	(Transom length + 38) x 2 x number of transoms	
Vert. outer glazing gaskets	Mullions length x 2 x number of mullions	Optional
Hor. outer glazing gasket	Transom length x 2 x number of transoms (Mx -50)	Optional
EPDM central gasket	(Transoms lenght + 38) x n° + (Mullions height) x n°	

**Glazing Screw holding profile EFC 50140: To be deliver to glass makers

PROJECTING WINDOWS		
Horizontal opening fix frame	Mullions axis distance - 15 mm	
Vertical opening fix frame	Transoms axis distance - 15 mm	
Horizontal opening sash	Mullions axis distance - 65 mm	
Vertical opening sash	Transoms axis distance - 65 mm	
Vertical Structural glass profile	Transoms axis distance - 65 mm	
Horizontal Structural glass profile	Mullions axis distance - 65 mm	
Vert. fix frame gasket DU 121	Transoms axis distance - 40 mm and - 110 mm	
Hor. fix frame gasket DU 121	Mullions axis distance - 40 mm and - 110 mm	
Vert. Opening sash gasket DU 121	Transoms axis distance - 65 mm	
Hor. Opening sash gasket DU 121	Mullions axis distance - 65 mm	
Vert. sash gasket DU 5104	Transoms axis distance - 128 mm	
Hor. sash gasket DU 5104	Mullions axis distance - 128 mm	
PROJECTING WINDOWS GLASSES	With vertical covers	
Vert. Glazing size 1	Transoms axis(a,b, c, d, e, f, g) - 29 mm	
Hor. Glazing size 1	Mullions axis distance - 65 mm	
Vert. Glazing size 2	Transoms axis(a,b, c, d, e, f, g) - 111 mm	
Hor. Glazing size 2	Mullions axis distance - 111 mm	

For the glass fabrication with structural silicon please follow our instructions



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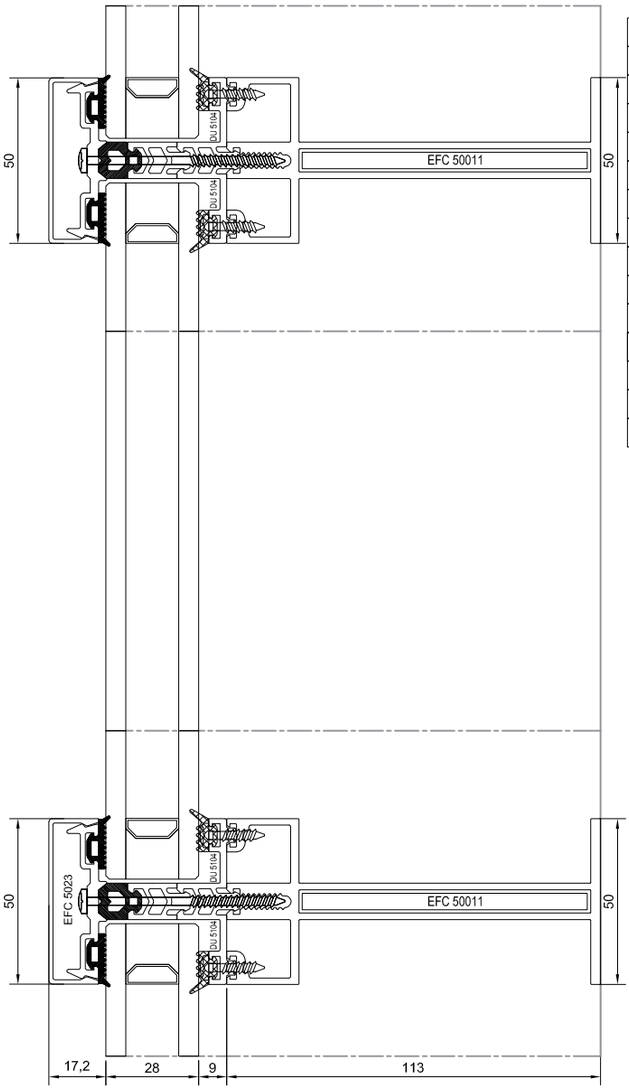
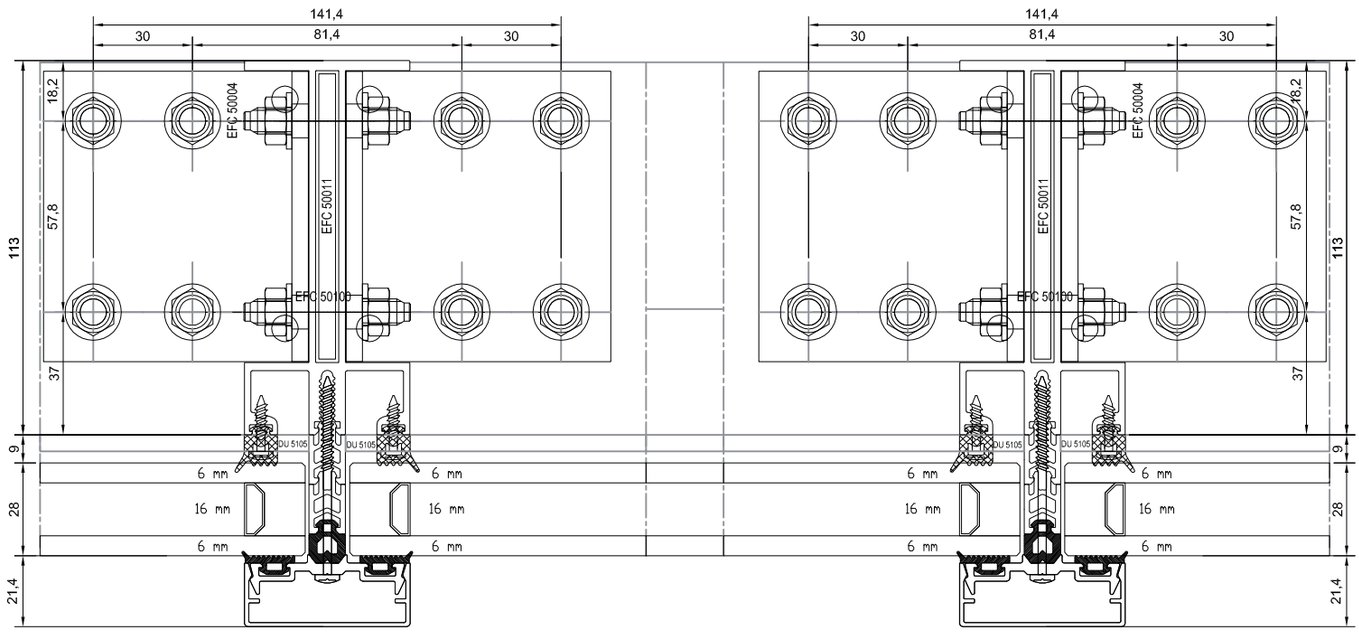


Mullions height (select one)	**Total Curtain height minus anchoring**	
Transoms width (Select one)	**(Mullions axis distance - 50) x number of transoms**	
Vertical Pressure plate	**Mullions length x number of mullions**	
Horizontal Pressure plate	**(Mullions axis distance - 50) x number of transoms**	
Vertical Cover	**Mullions length x number of mullions**	
Horizontal Cover	**Mullions axis distance - 52 mm x number of transoms**	
Vertical Spacer polyamide	**Mullions length x 2 x number of mullions**	
Horizontal Spacer EFC 5066 or PVC	**(Mullions axis distance - 13 mm) x number of transoms**	
Vert. Glazing size fix	**Transoms axis(a,b, c, d, e, f, g) - 17 mm**	
Hor. Glazing size fix	**Mullions axis distance - 17 mm**	
Mullions Gaskets DU 5105	**Mullions length x 2 x number of mullions (To be cut)**	
Transoms Gaskets DU 5104	**(Transom length + 38) x 2 x number of transoms**	
Vert. outer glazing gaskets	**Mullions length x 2 x number of mullions**	
Hor. outer glazing gasket	**Transom length x 2 x number of transoms (Mx -50)**	
EPDM central gasket	**(Transoms lenght + 38) x n° + (Mullions height) x n°**	

Energy WALL 50
Steel frame



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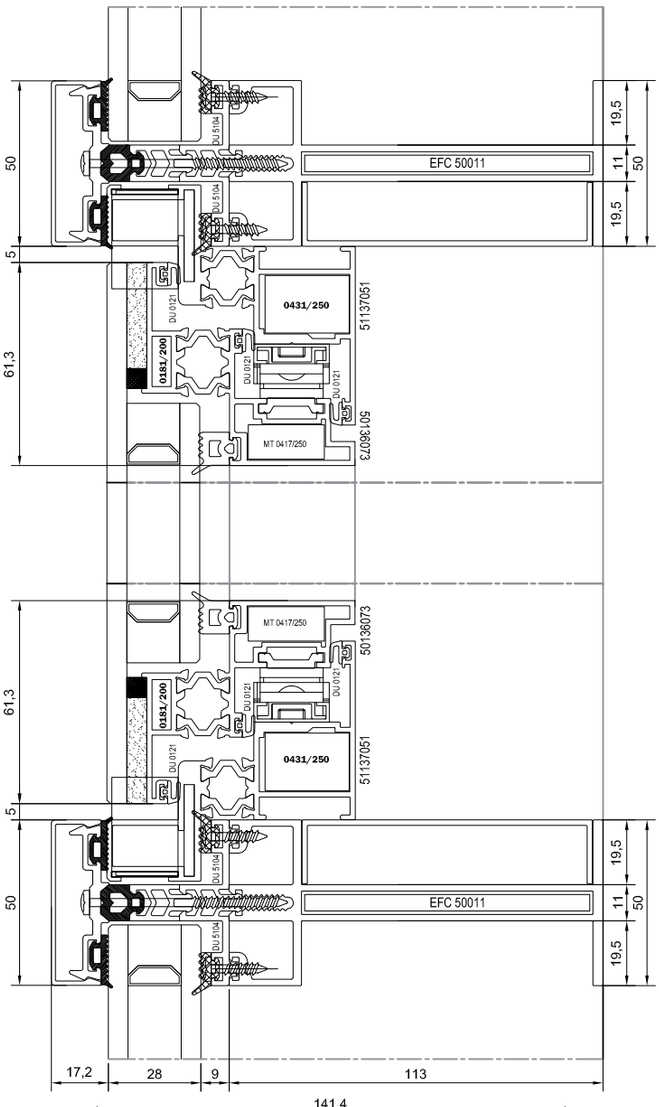
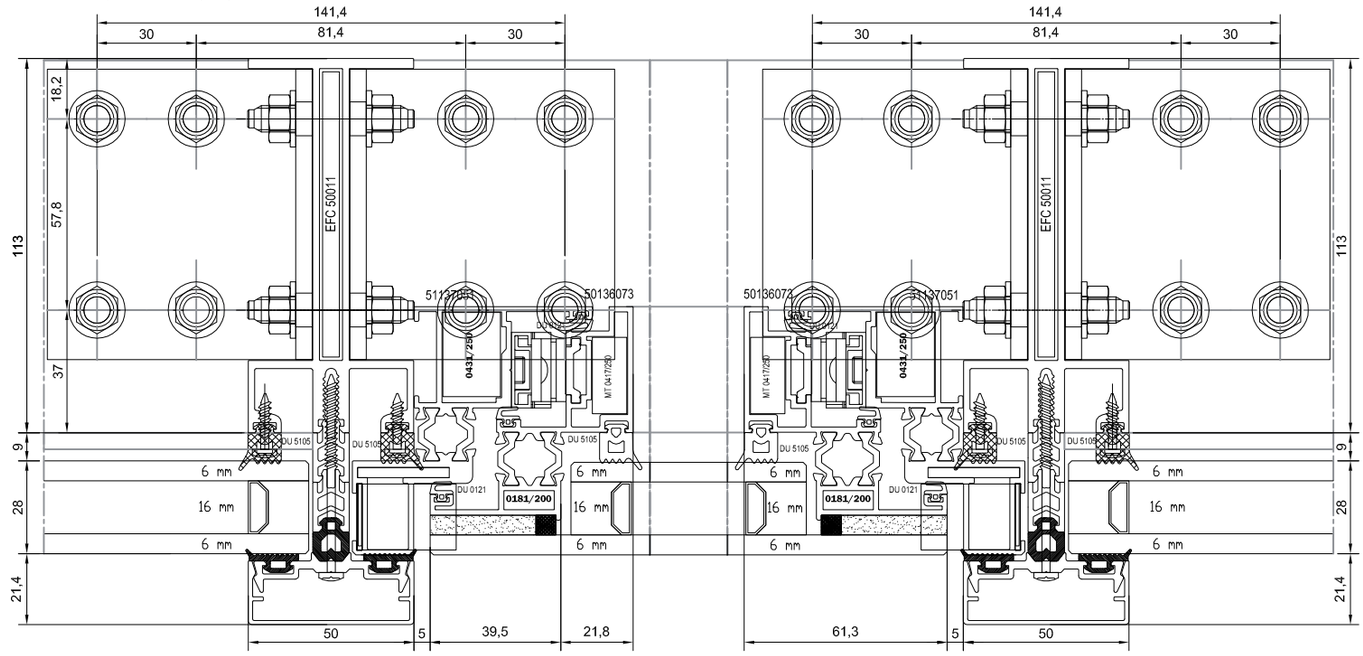


Mullions height (select one)	Total Curtain height minus anchoring	
Transoms width (Select one)	(Mullions axis distance - 50) x number of transoms	
Vertical Pressure plate	Mullions length x number of mullions	
Horizontal Pressure plate	(Mullions axis distance - 50) x number of transoms	
Vertical Cover	Mullions length x number of mullions	
Horizontal Cover	Mullions axis distance - 52 mm x number of transoms	
Vertical Spacer Polyamide	Mullions length x 2 x number of mullions	
Horizontal Spacer EFC 5066 or PVC	(Mullions axis distance - 13 mm) x number of transoms	
Vert. Glazing size fix	Transoms axis(a,b, c, d, e, f, g) - 17 mm	
Hor. Glazing size fix	Mullions axis distance - 17 mm	
Mullions Gaskets DU 5105	Mullions length x 2 x number of mullions (To be cut)	
Transoms Gaskets DU 5104	(Transom length + 38) x 2 x number of transoms	
Vert. outer glazing gaskets	Mullions length x 2 x number of mullions	
Hor. outer glazing gasket	Transom length x 2 x number of transoms (Mx -50)	
EPDM central gasket	(Transoms lenght + 38) x n° + (Mullions height) x n°	

PROJECTING WINDOWS		
Horizontal opening fix frame	Mullions axis distance - 15 mm	
Vertical opening fix frame	Transoms axis distance - 15 mm	
Horizontal opening sash	Mullions axis distance - 74 mm	
Vertical opening sash	Transoms axis distance - 74 mm	
Vertical opening sash	Transoms axis distance - 74 mm	
Vert. fix frame gasket DU 121	Transoms axis distance - 154 mm	
Hor. fix frame gasket DU 121	Mullions axis distance - 154 mm	
Vert. Opening sash gasket DU 121	Transoms axis distance - 74 and Transoms axis - 100	
Hor. Opening sash gasket DU 121	Mullions axis distance - 74 and Mullions axis - 100	
Vert. sash gasket DU 5105	Transoms axis distance - 162 mm	
Hor. sash gasket DU 5105	Mullions axis distance - 162 mm	
Vert. Glazing size 1	Transoms axis(a,b, c, d, e, f, g) - 72 mm	
Hor. Glazing size 1	Mullions axis distance - 72 mm	
Vert. Glazing size 2	Transoms axis(a,b, c, d, e, f, g) - 144 mm	
Hor. Glazing size 2	Mullions axis distance - 144 mm	

For the glass fabrication with structural silicon please follow our instructions

Energy WALL 50
Steel frame



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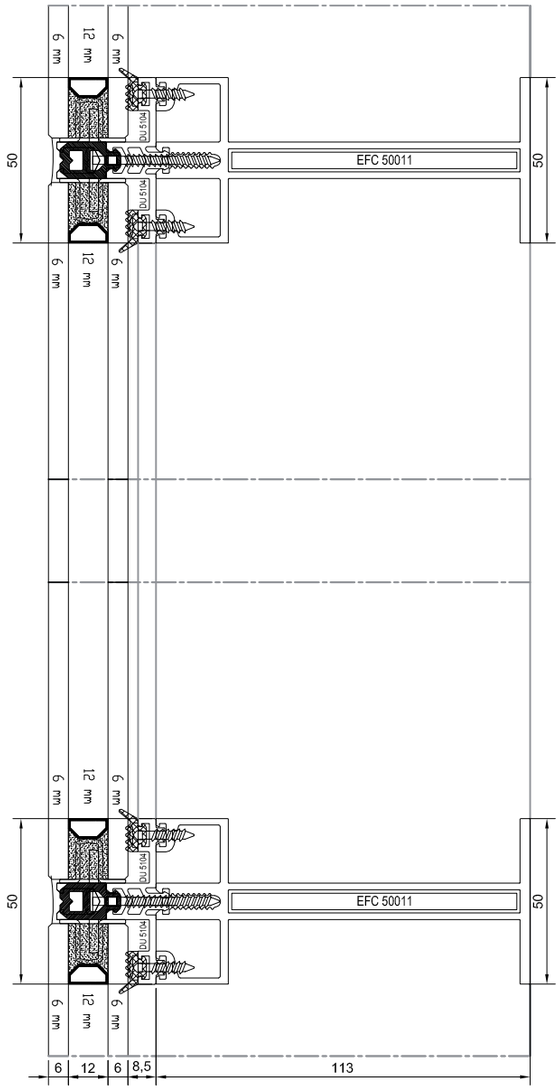


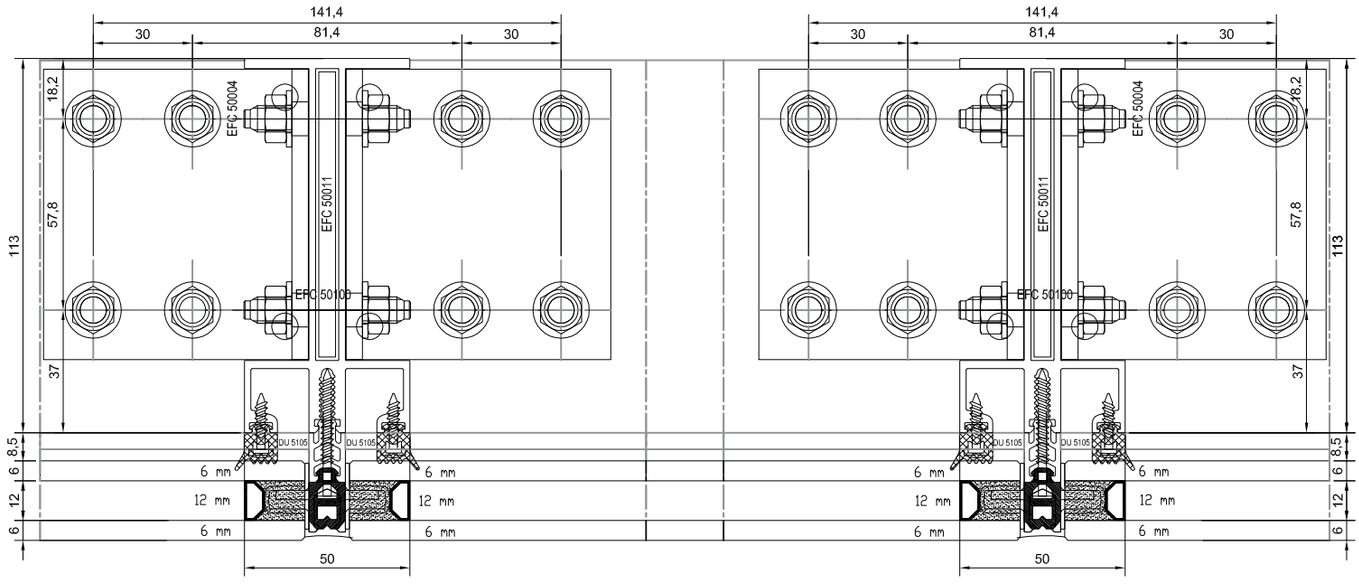
Mullions height (select one)	Total Curtain height minus anchoring	
Transoms width (Select one)	(Mullions axis distance - 50) x number of transoms	
Vertical Pressure plate*	Mullions length x number of mullions	Optional*
Horizontal Pressure plate*	(Mullions axis distance - 50) x number of transoms	Optional*
Vertical Cover*	Mullions length x number of mullions	Optional*
Horizontal Cover*	Mullions axis distance - 52 mm x number of transoms	Optional*
Vertical Spacer polyamide	Mullions length x 1 x number of mullions	
Horizontal Spacer EFC 5090 or PVC	(Mullions axis distance - 13 mm) x number of transoms	
Vert. Glazing size fix	Transoms axis - 18 mm (Use EFC 50140 for glazing)	
Hor. Glazing size fix	Mullions axis distance - 18 mm (Use EFC 50140)	
Vert. EFC 50140 x Glazing size fix **	In pieces depending on glass size	
Hor. EFC 50140x Glazing size fix **	In pieces depending on glass size	
Mullions Gaskets DU 5105	Mullions length x 2 x number of mullions (To be cut)	
Transoms Gaskets DU 5104	(Transom length + 38) x 2 x number of transoms	
Vert. outer glazing gaskets	Mullions length x 2 x number of mullions	Optional*
Hor. outer glazing gasket	Transom length x 2 x number of transoms (Mx -50)	Optional*
EPDM central gasket	(Transoms lenght + 38) x n° + (Mullions height) x n°	

**Glazing Screw holding profile EFC 50140: To be deliver to glass makers

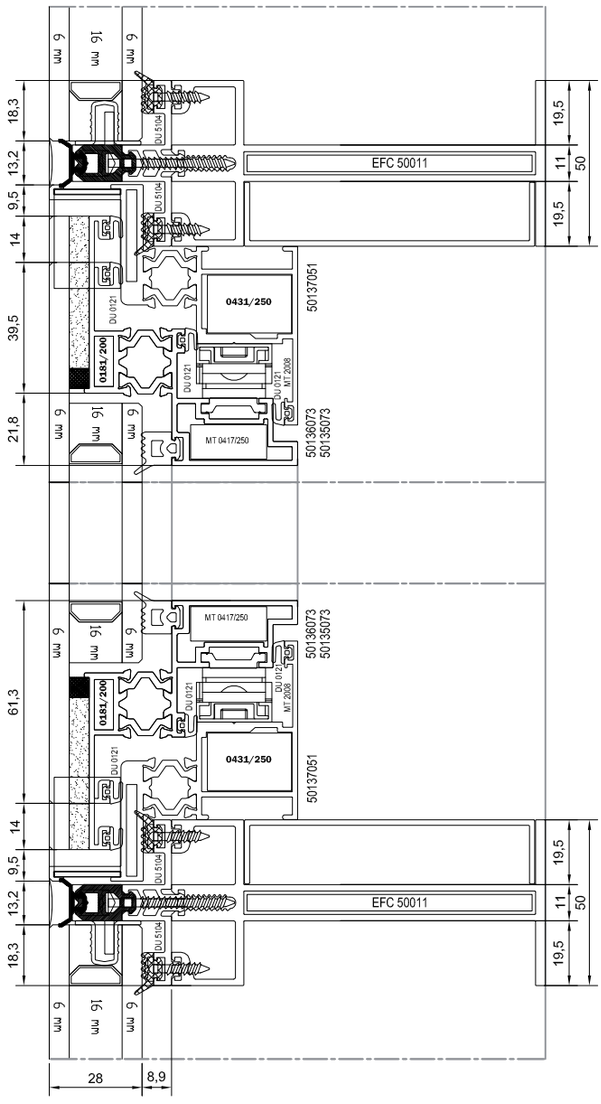
* Installing covers will comport to select the appropriate opening model and change the glass size on the opening that it is to be cut to "Mullion axis-65" or "Transom axis-65"

For the glass fabrication with structural silicon please follow our instructions

Energy WALL 50
Steel frame



LISTE DI TAGLIO



Mullions height (select one)	**Total Curtain height minus anchoring**	
Transoms width (Select one)	**(Mullions axis distance - 50) x number of transoms**	
Vertical Pressure plate*	**Mullions length x number of mullions**	**Optional**
Horizontal Pressure plate*	**(Mullions axis distance - 50) x number of transoms**	**Optional**
Vertical Cover*	**Mullions length x number of mullions**	**Optional**
Horizontal Cover*	**Mullions axis distance - 52 mm x number of transoms**	**Optional**
Vertical Spacer polyamide	**Mullions length x 1 x number of mullions**	
Horizontal Spacer EFC 5090 or PVC	**(Mullions axis distance - 13 mm) x number of transoms**	
Vert. Glazing size fix	**Transoms axis - 18 mm (Use EFC 50140 for glazing)**	
Hor. Glazing size fix	**Mullions axis distance - 18 mm (Use EFC 50140)**	
Vert. EFC 50140 x Glazing size fix **	**In pieces depending on glass size**	
Hor. EFC 50140x Glazing size fix **	**In pieces depending on glass size**	
Mullions Gaskets DU 5105	**Mullions length x 2 x number of mullions (To be cut)**	
Transoms Gaskets DU 5104	**(Transom length + 38) x 2 x number of transoms**	
Vert. outer glazing gaskets	**Mullions length x 2 x number of mullions**	**Optional**
Hor. outer glazing gasket	**Transom length x 2 x number of transoms (Mx -50)**	**Optional**
EPDM central gasket	**(Transoms lenght + 38) x n° + (Mullions height) x n°**	

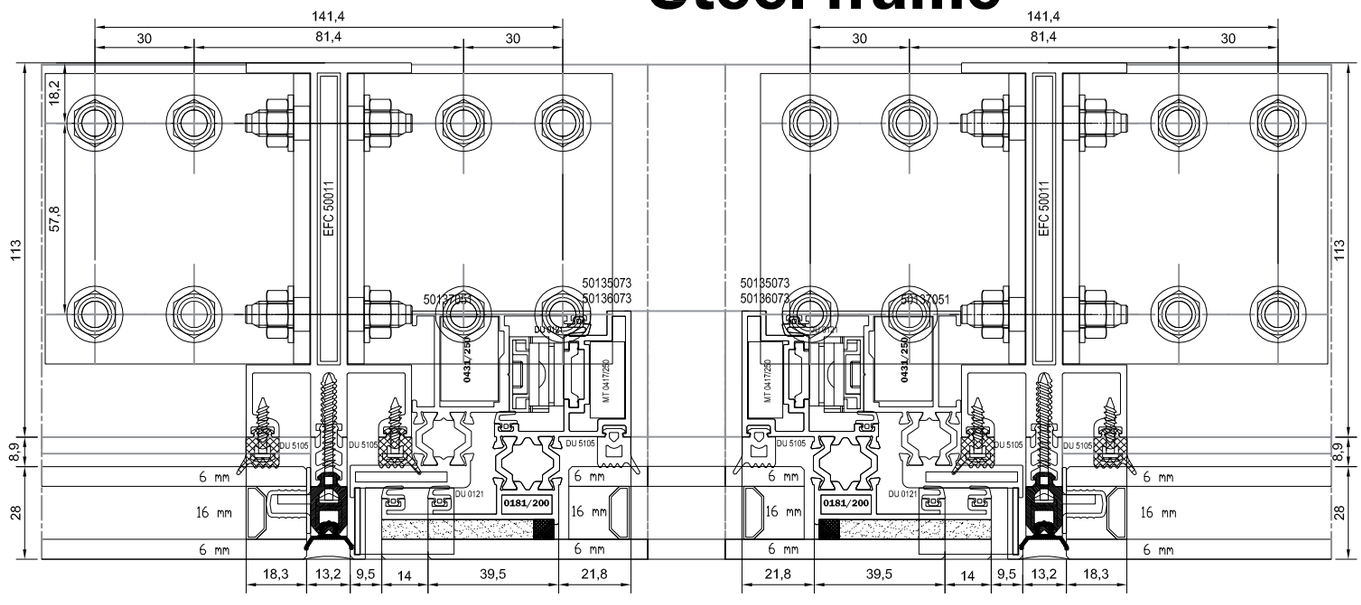
****Glazing Screw holding profile EFC 50140: To be deliver to glass makers°**

PROJECTING WINDOWS		
Horizontal opening fix frame	**Mullions axis distance - 15 mm**	
Vertical opening fix frame	**Transoms axis distance - 15 mm**	
Horizontal opening sash	**Mullions axis distance - 32 mm**	
Vertical opening sash	**Transoms axis distance - 32 mm**	
Vert. fix frame gasket DU 121	**Transoms axis distance - 154 mm**	
Hor. fix frame gasket DU 121	**Mullions axis distance - 154 mm**	
Vert. Opening sash gasket DU 121	**Transoms axis distance - 32 and Transoms axis - 100**	
Hor. Opening sash gasket DU 121	**Mullions axis distance - 32 and Mullions axis - 100**	
Vert. sash gasket DU 5105	**Transoms axis distance - 162 mm**	
Hor. sash gasket DU 5105	**Mullions axis distance - 162 mm**	
Vert. Glazing size 1	**Transoms axis(a,b, c, d, e, f, g) - 32 mm**	
Hor. Glazing size 1	**Mullions axis distance - 32 mm**	
Vert. Glazing size 2	**Transoms axis(a,b, c, d, e, f, g) - 145 mm**	
Hor. Glazing size 2	**Mullions axis distance - 145 mm**	

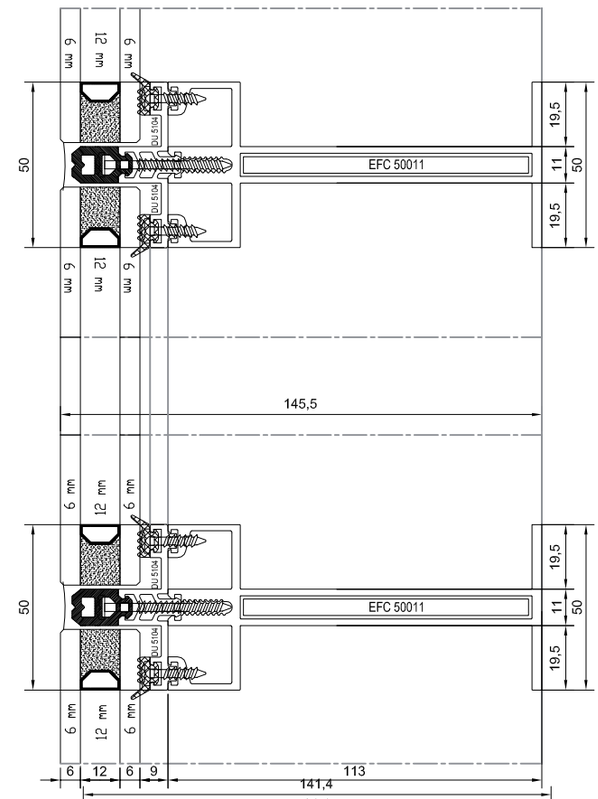
For the glass fabrication with structural silicon please follow our instructions

*** Installing covers will comport to select the appropriate opening model and change the glass size on the opening that it is to be cut to "Mullion axis-65" or "Transom axis-65" (Here it is not possible with this sash)**

Energy WALL 50
Steel frame



LISTE DI TAGLIO



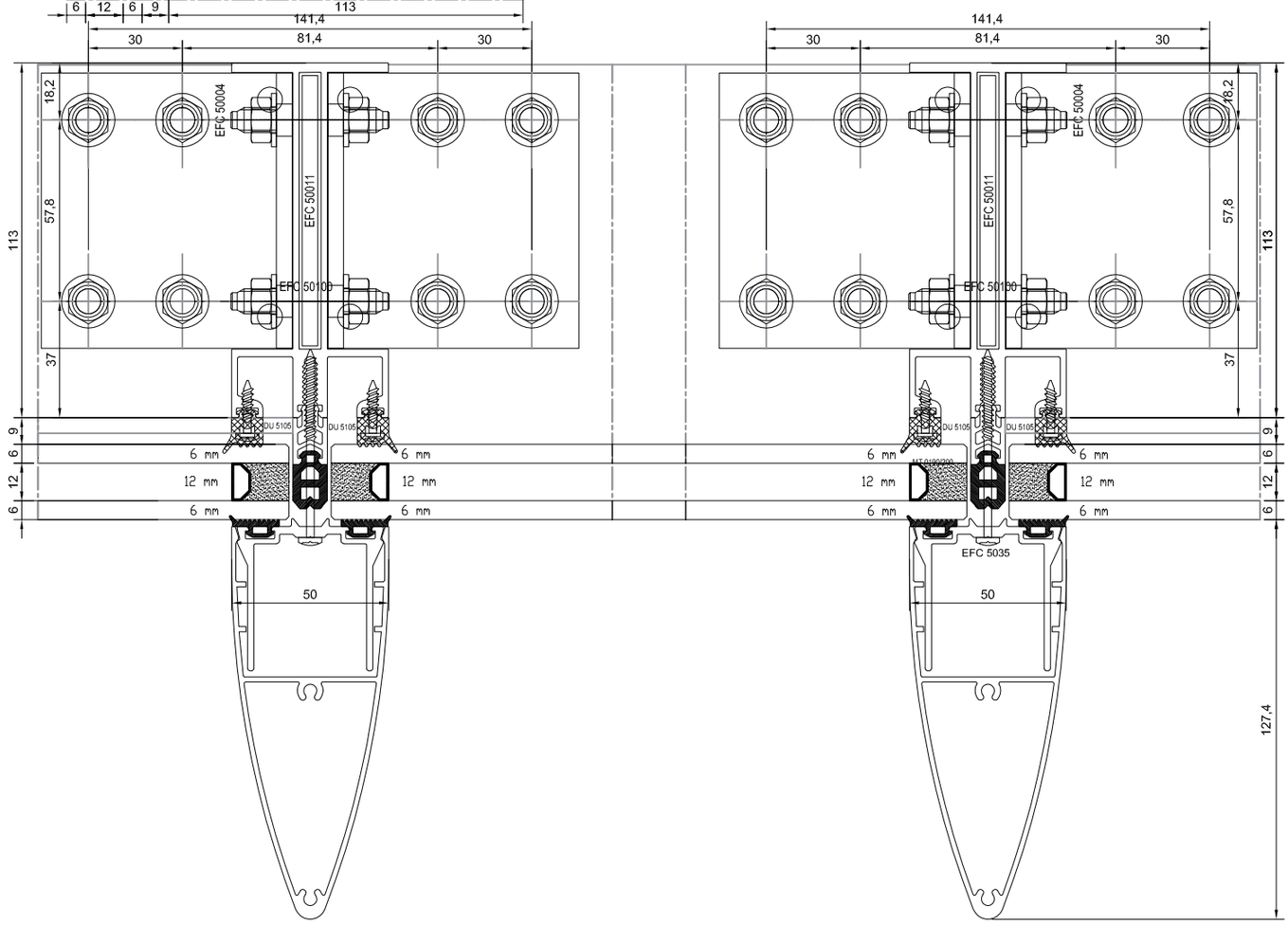
Mullions height (select one)	**Total Curtain height minus anchoring**	
Transoms width (Select one)	**(Mullions axis distance - 50) x number of transoms**	
Vertical Pressure plate*	**Mullions length x number of mullions**	**Optional***
Horizontal Pressure plate*	**(Mullions axis distance - 50) x number of transoms**	**Optional***
Vertical Cover*	**Mullions length x number of mullions**	**Optional***
Horizontal Cover*	**Mullions axis distance - 52 mm x number of transoms**	**Optional***
Vertical Spacer polyamide	**Mullions length x 1 x number of mullions**	
Horizontal Spacer EFC 5090 or PVC	**(Mullions axis distance - 13 mm) x number of transoms**	
Vert. Glazing size fix	**Transoms axis(a,b, c, d, e, f, g) - 18 mm (Use EFC 5084 for glazing)**	
Hor. Glazing size fix	**Mullions axis distance - 18 mm (Use EFC 5084)**	
Vert. EFC 5084 x Glazing size fix **	**45° : Glass size + 2 or 90° Glass helgth**	
Hor. EFC 5084 x Glazing size fix **	**45° Glass size + 2 or 90°: Glass size - 24**	
Mullions Gaskets DU 5105	**Mullions length x 2 x number of mullions (To be cut)**	
Transoms Gaskets DU 5104	**(Transom length + 38) x 2 x number of transoms**	
Vert. outer glazing gaskets	**Mullions length x 2 x number of mullions**	**Optional***
Hor. outer glazing gasket	**Transom length x 2 x number of transoms (Mx -50)**	**Optional***
EPDM central gasket	**(Transoms lenght + 38) x n° + (Mullions height) x n°**	

****Glazing Screw holding profile EFC 5084: To be deliver to glass makers , it can be cut at 90° or 45°**

*** Installing covers will comport to select the appropriate opening model and change the glass size on the opening that it is to be cut to "Mullion axis-65" or "Transom axis-65"**

For the glass fabrication with structural silicon please follow our instructions

Energy WALL 50 Steel frame



LISTE DI TAGLIO

MACHINING and TOOLING :
(FICHES SL)

Main machining and tooling operations.

FICHES D'USINAGES :
(FICHES SL)

Principales usinages et transformations des profils.

SCHEDE LAVORAZIONI :
(SCHEDE SL)

Lavorazioni principali da eseguire sui profili.

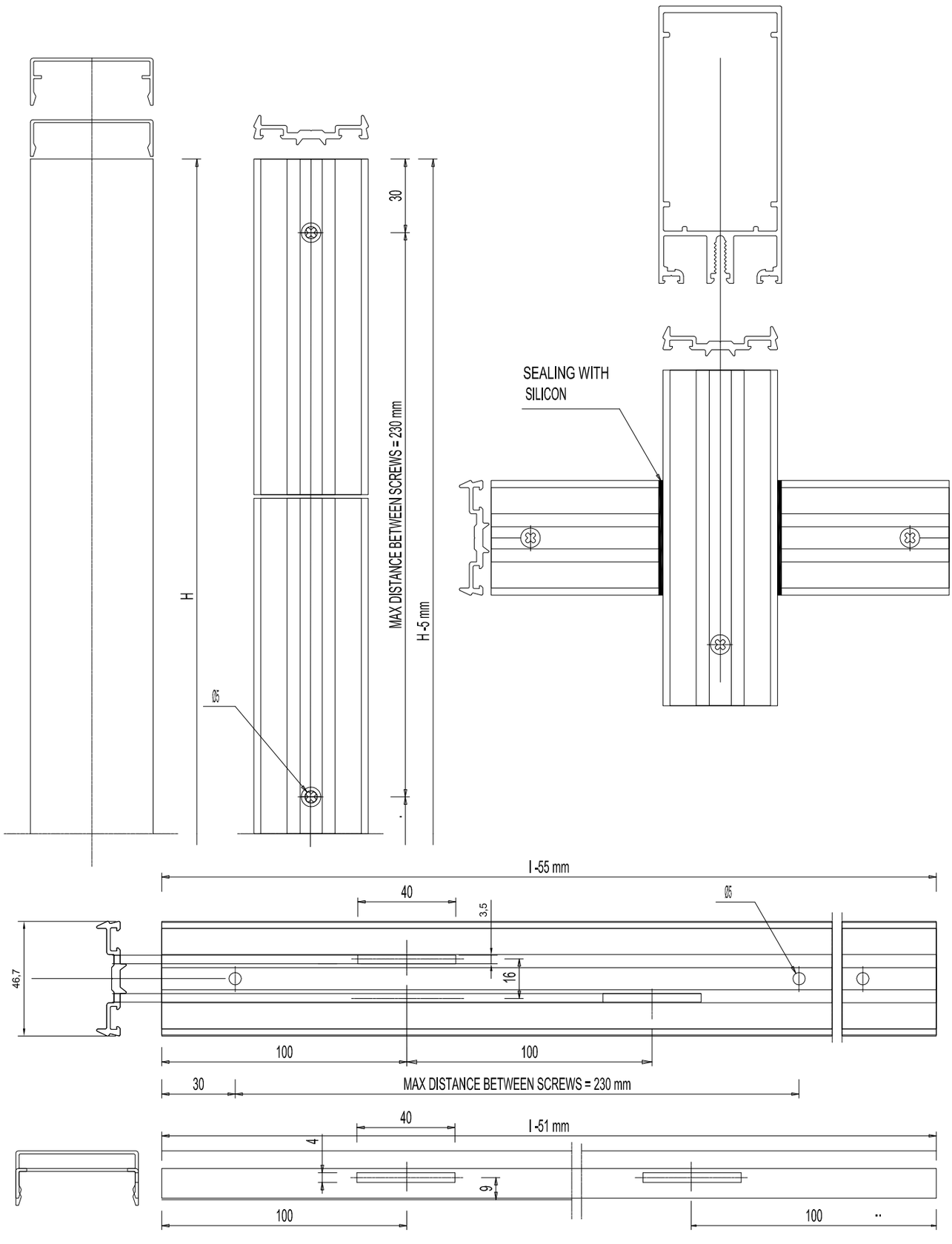
LAVORAZIONI PRINCIPALI

MACHINING AND TOOLING

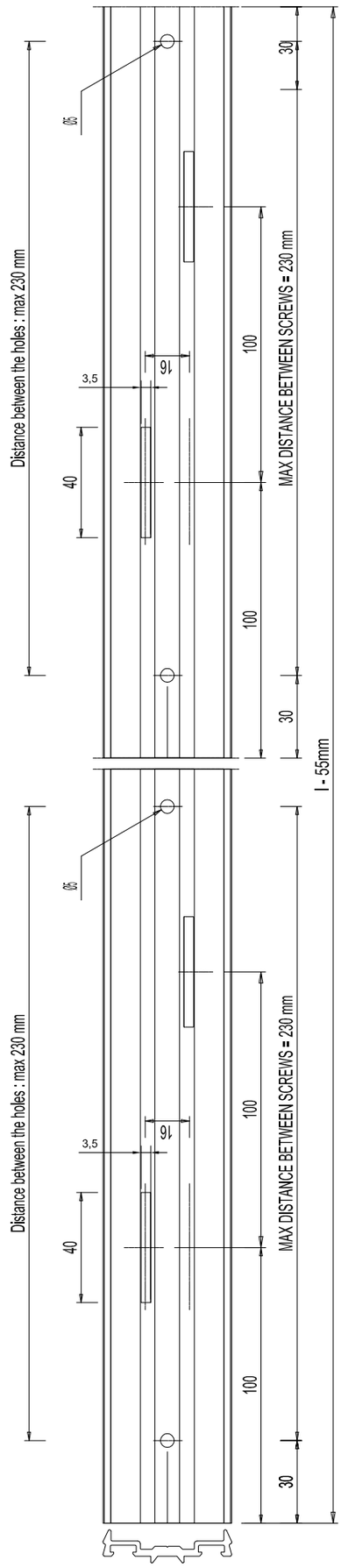
MACHINES ET USINAGES

EKOS
ALUMINIUM COLLECTION

LAVORAZIONI PRINCIPALI



LAVORAZIONI PRINCIPALI



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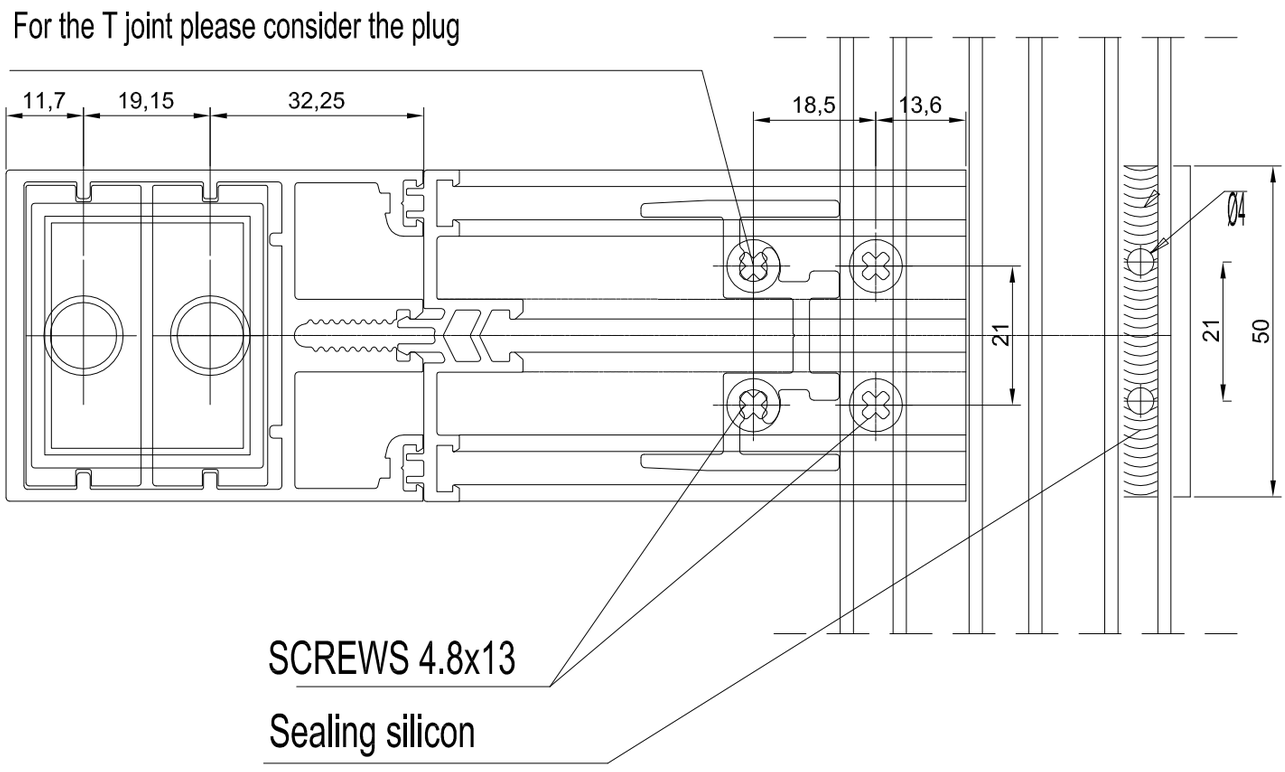
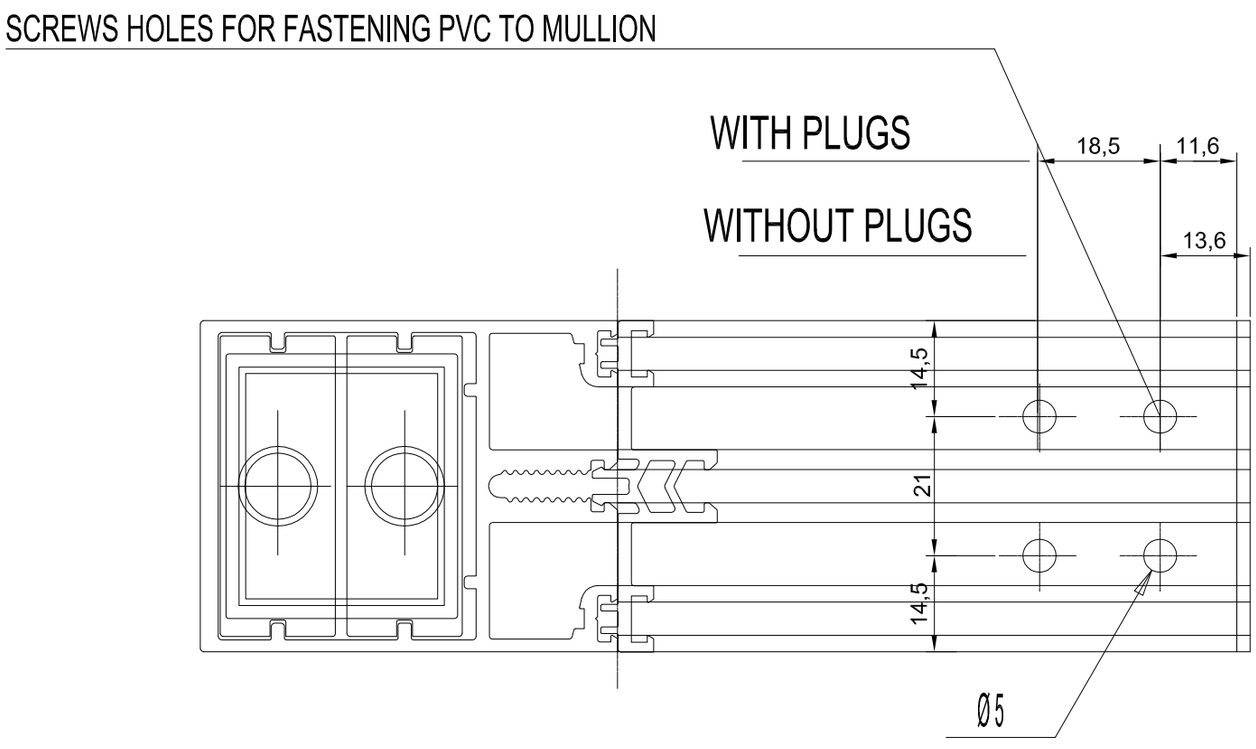




TP PROFILATI

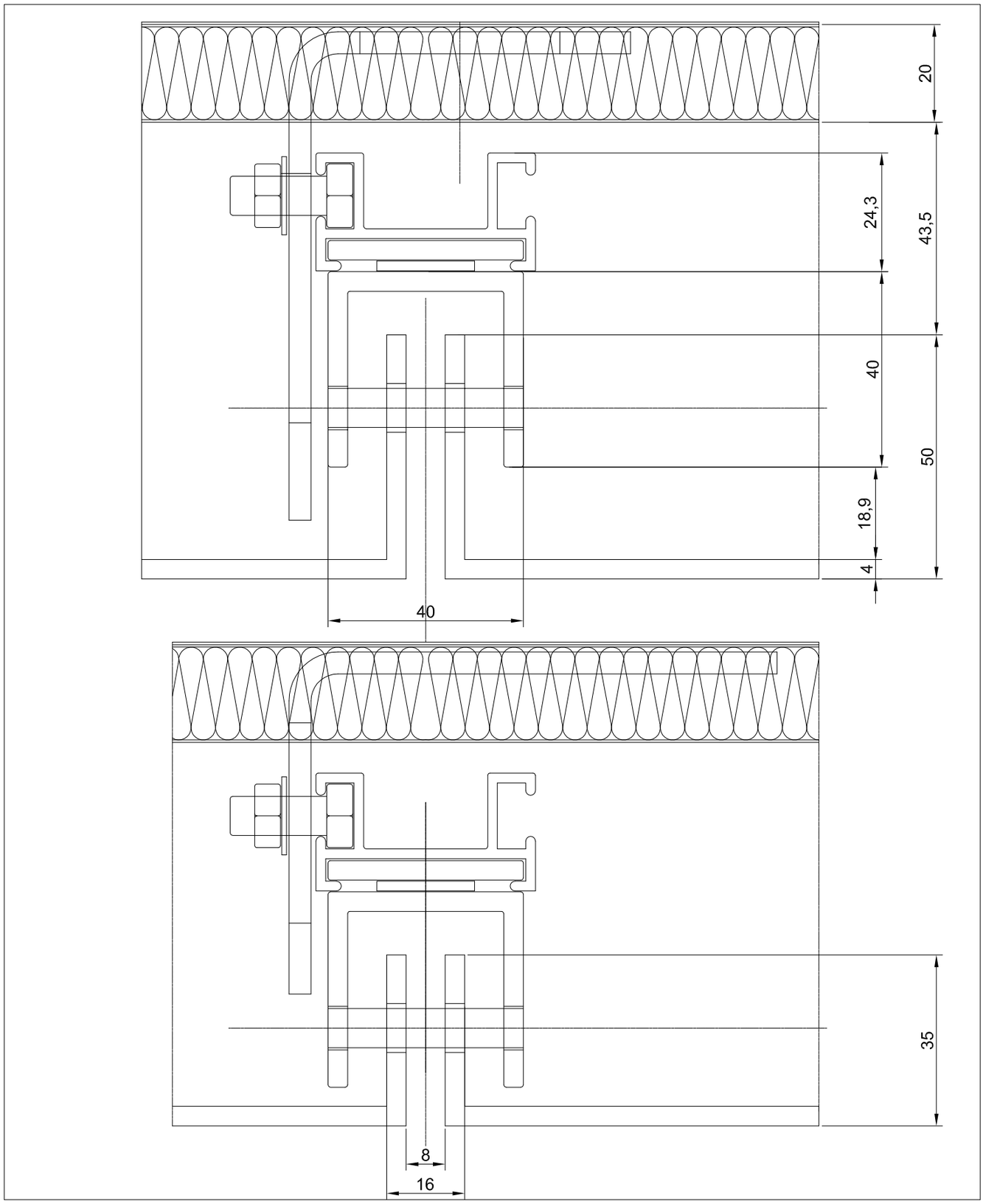
DOCUMENTI ALLEGATI

ATTACHED DOCUMENTS

DOCUMENTS ATTACEÉS

EKOS
ALUMINIUM COLLECTION

DOCUMENTI ALLEGATI



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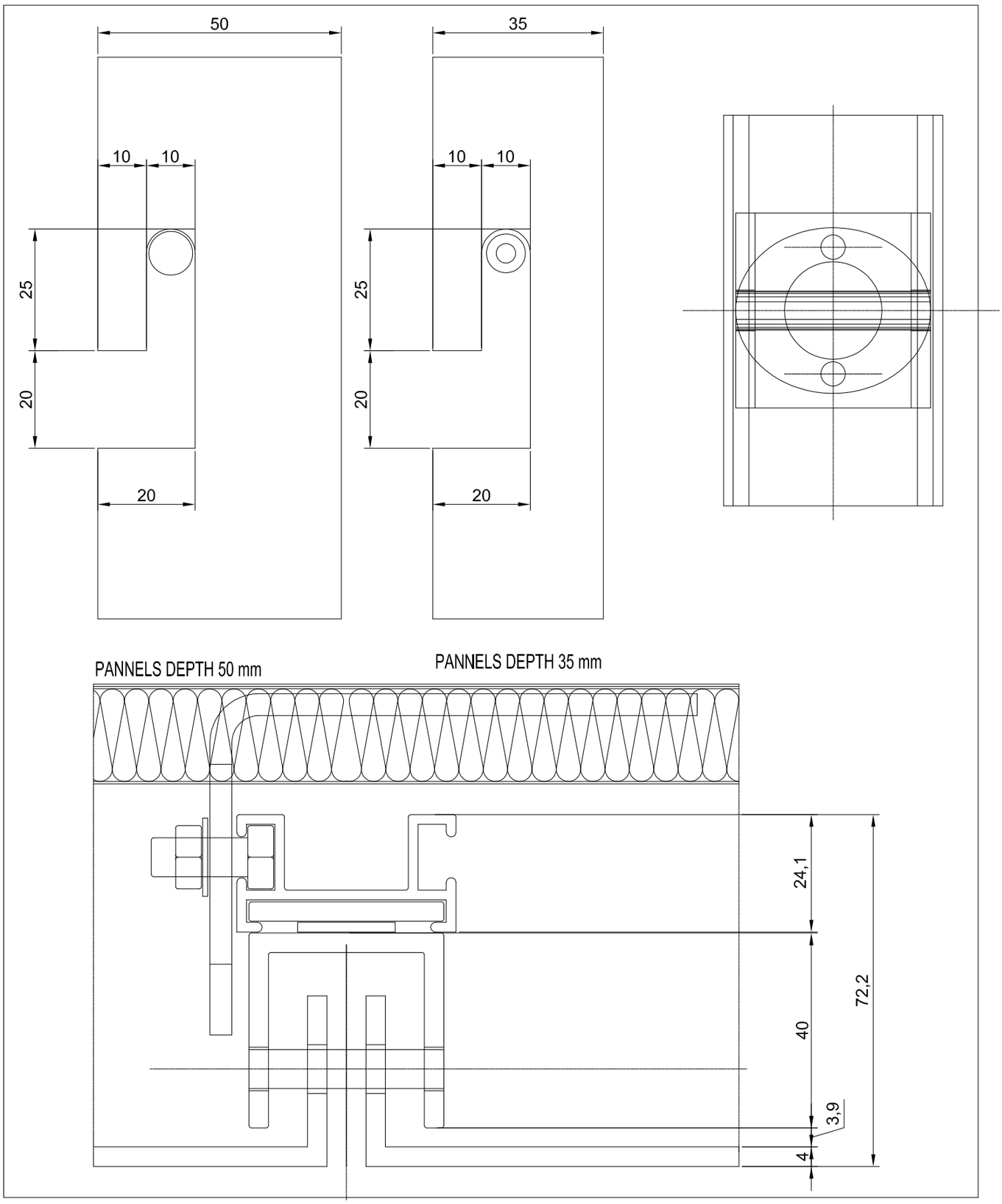

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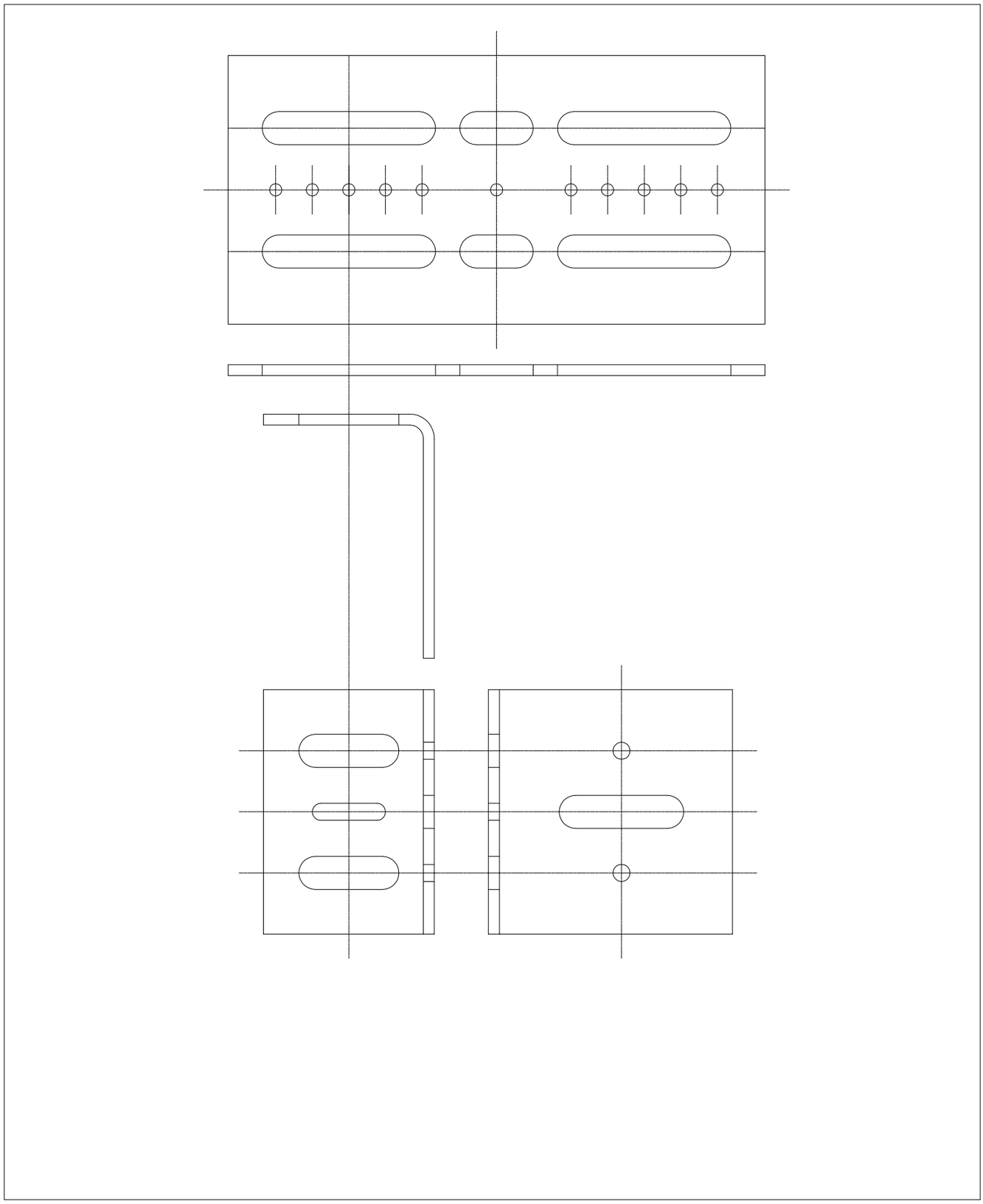

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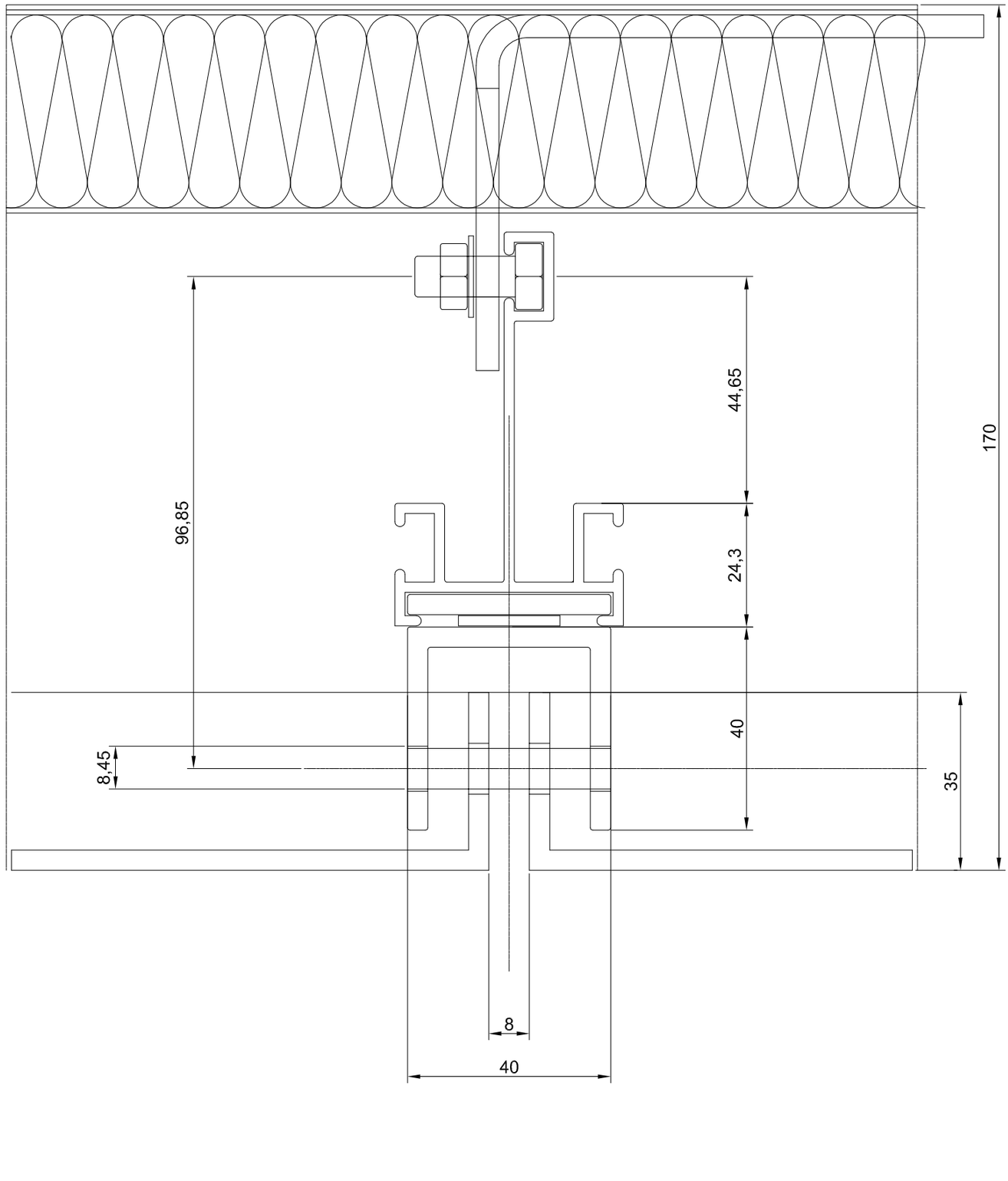
EXAMPLE OF CLADDING WITH ALUCOBOND



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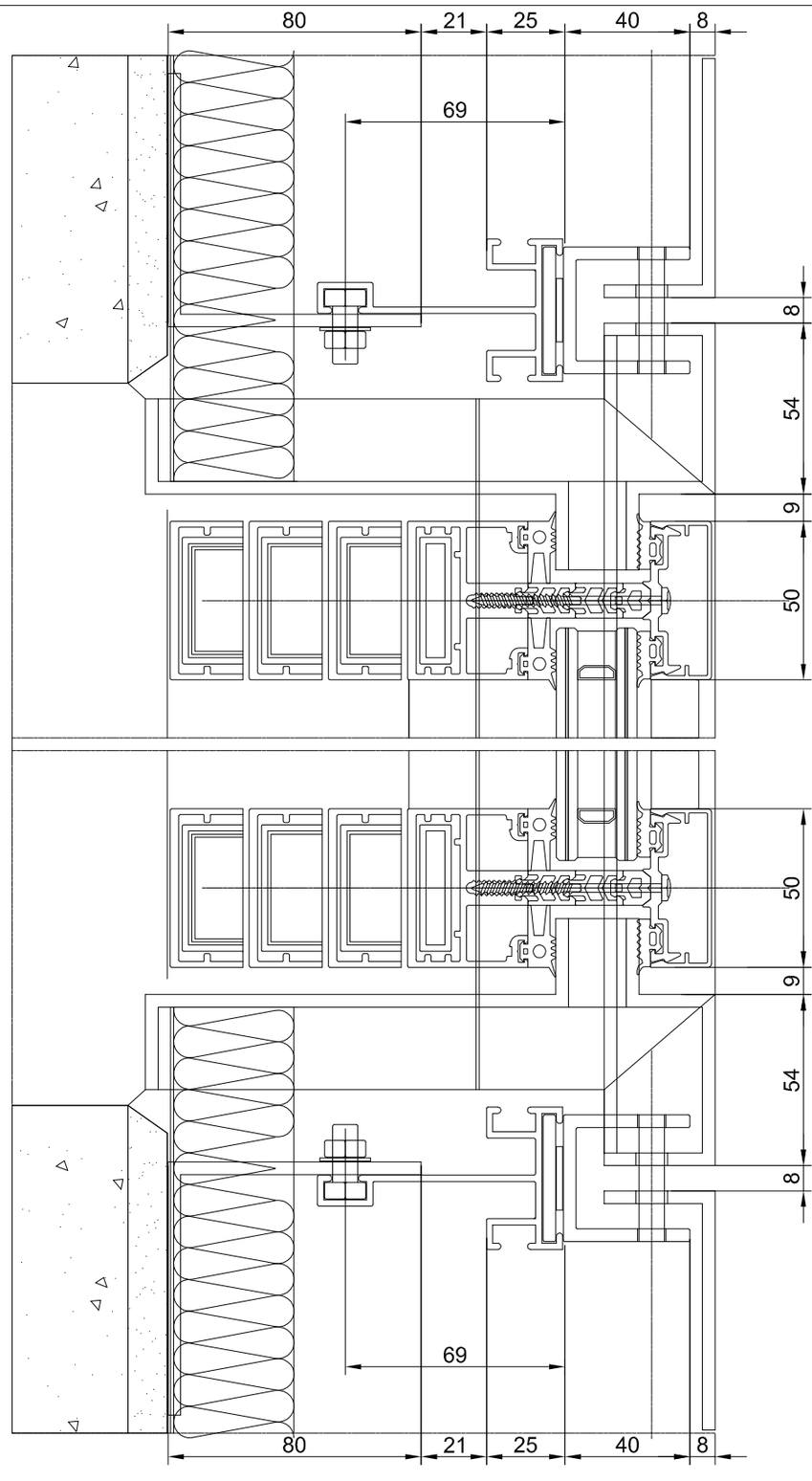
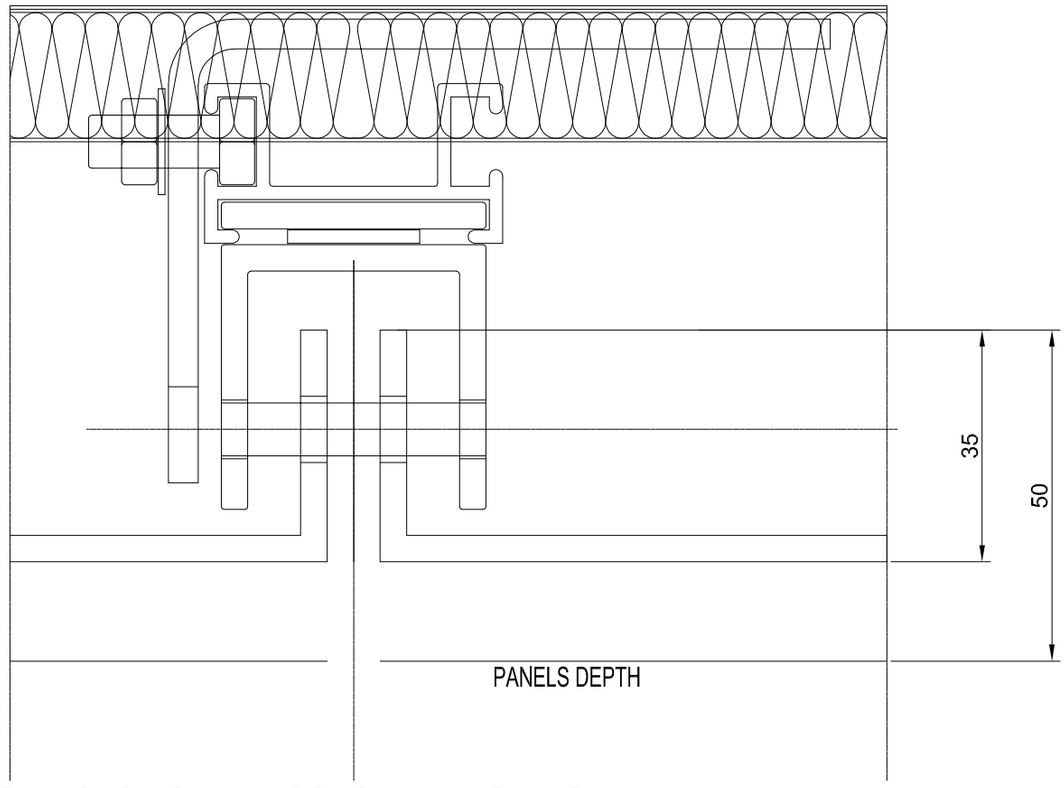
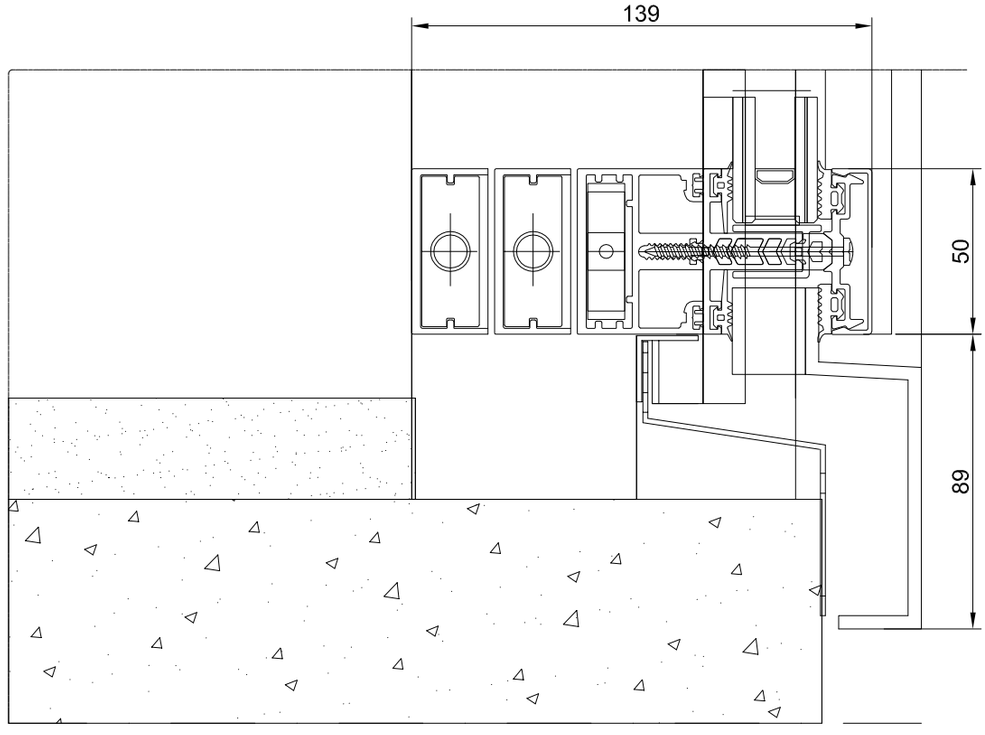


HORIZONTAL SECTION ON TRADITIONAL CURTAIN WALL AND ALUCOBOND CLADDING SYSTEM

DOCUMENTI ALLEGATI



SILL SECTION ALUCOBOND FINISHING



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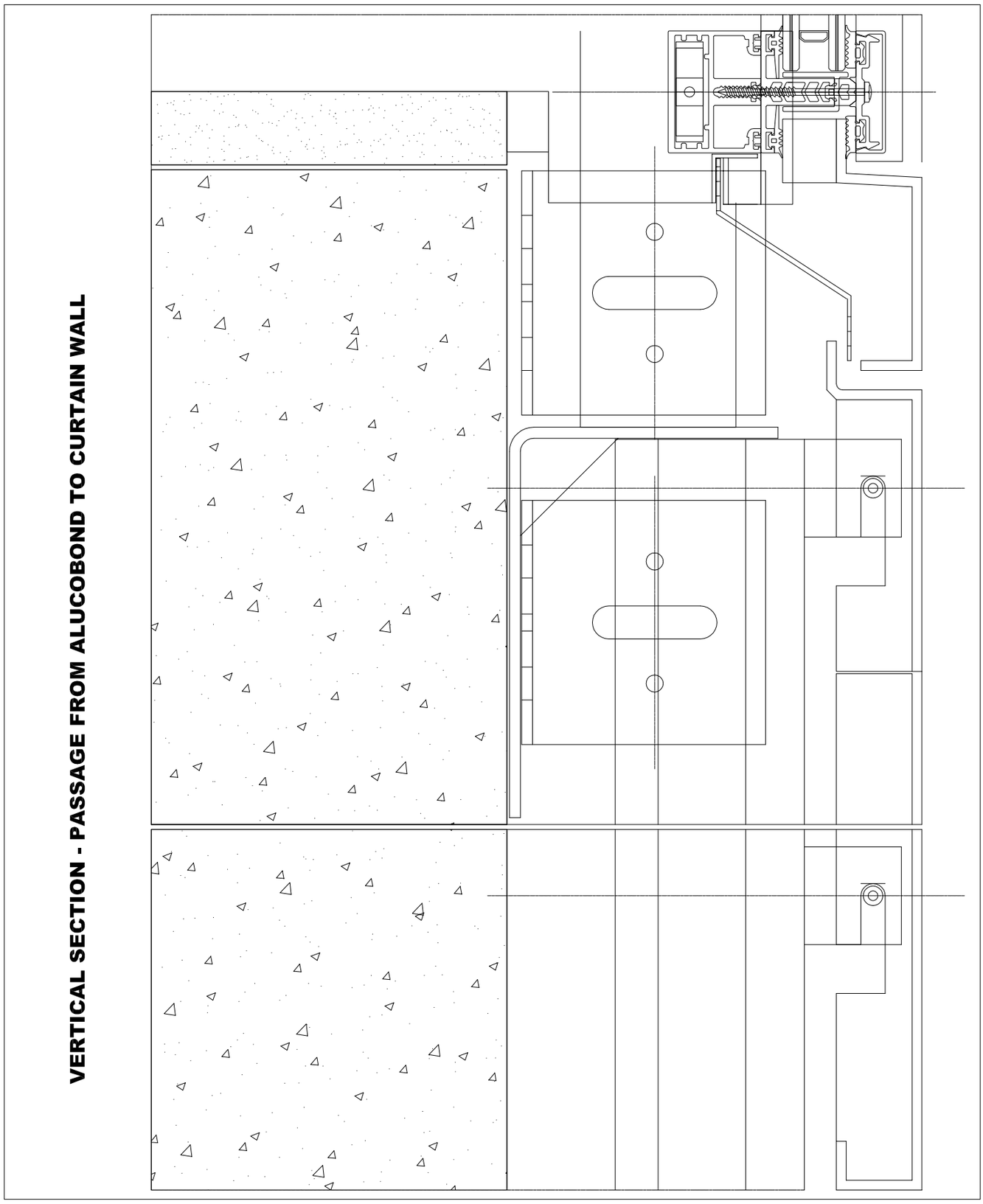
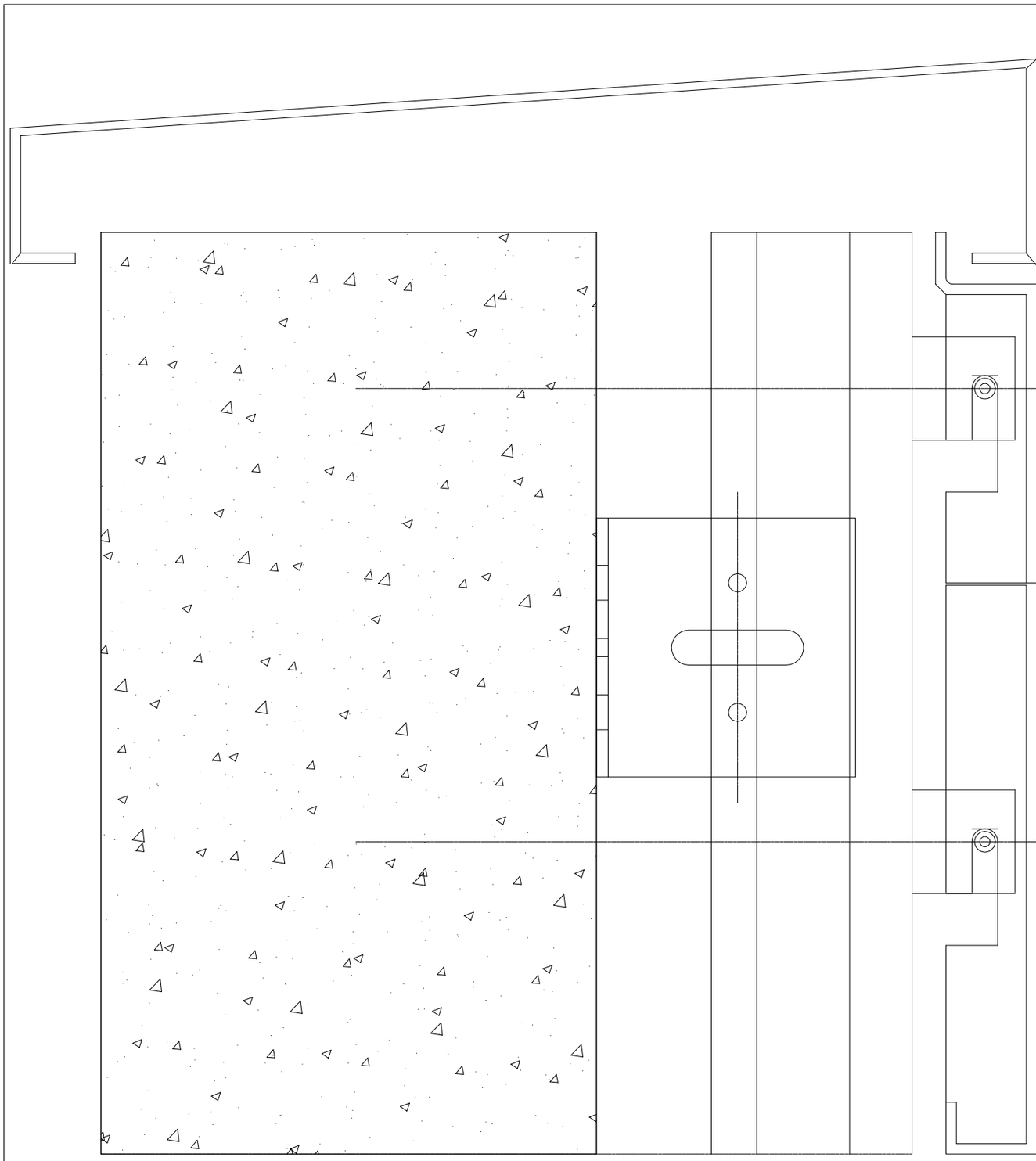


VERTICAL SECTION - PASSAGE FROM ALUCOBOND TO CURTAIN WALL

DOCUMENTI ALLEGATI



ALUCOBOND CLADDING - BUILDING TOPS FINISHING

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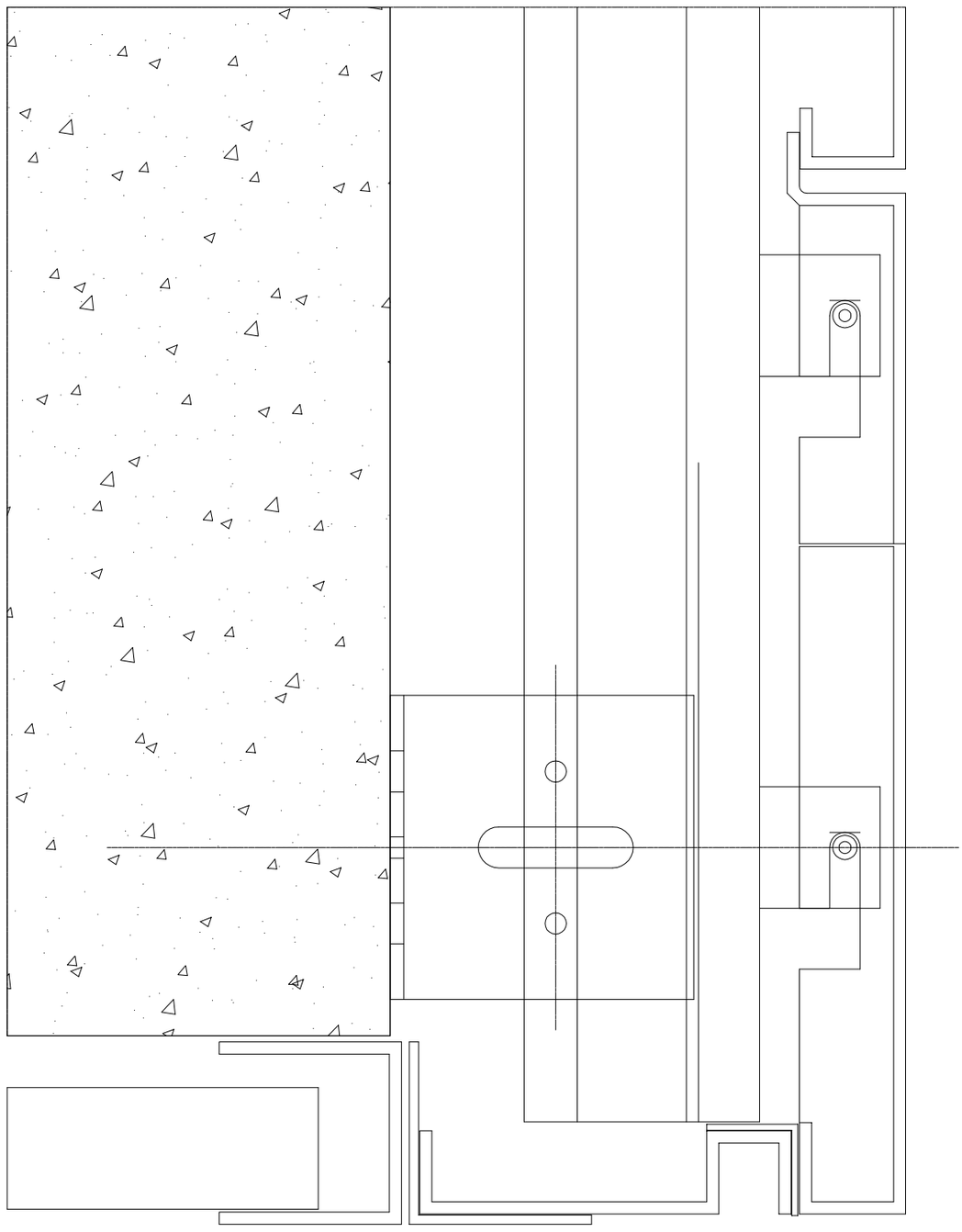

ALUCOBOND VERTICAL SECTION ON ENTRY ROOMS WITH CEILING FINISHING

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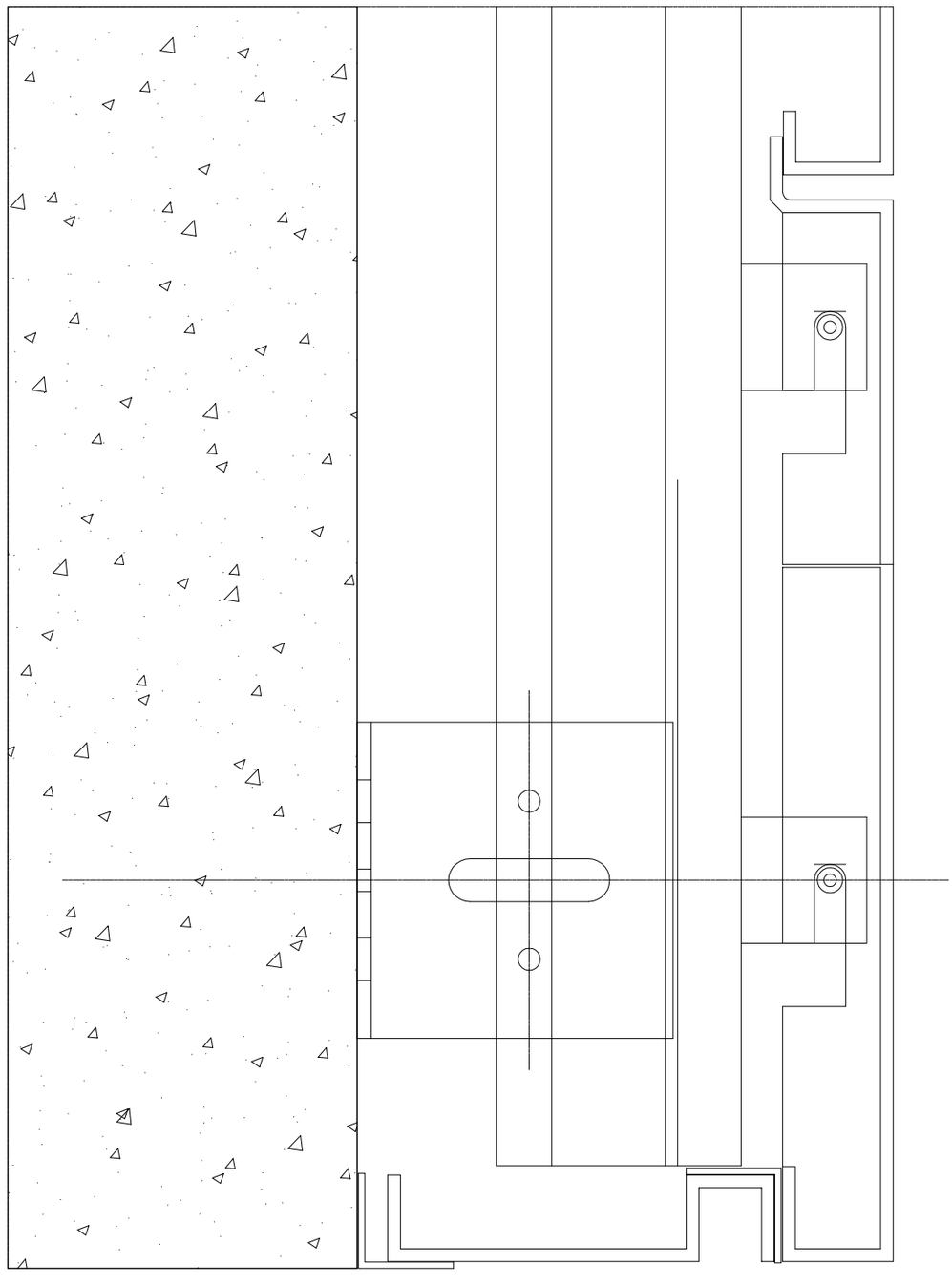

ALUCOBOND VERTICAL SECTION ON ENTRY ROOMS WITHOUT CEILING FINISHING

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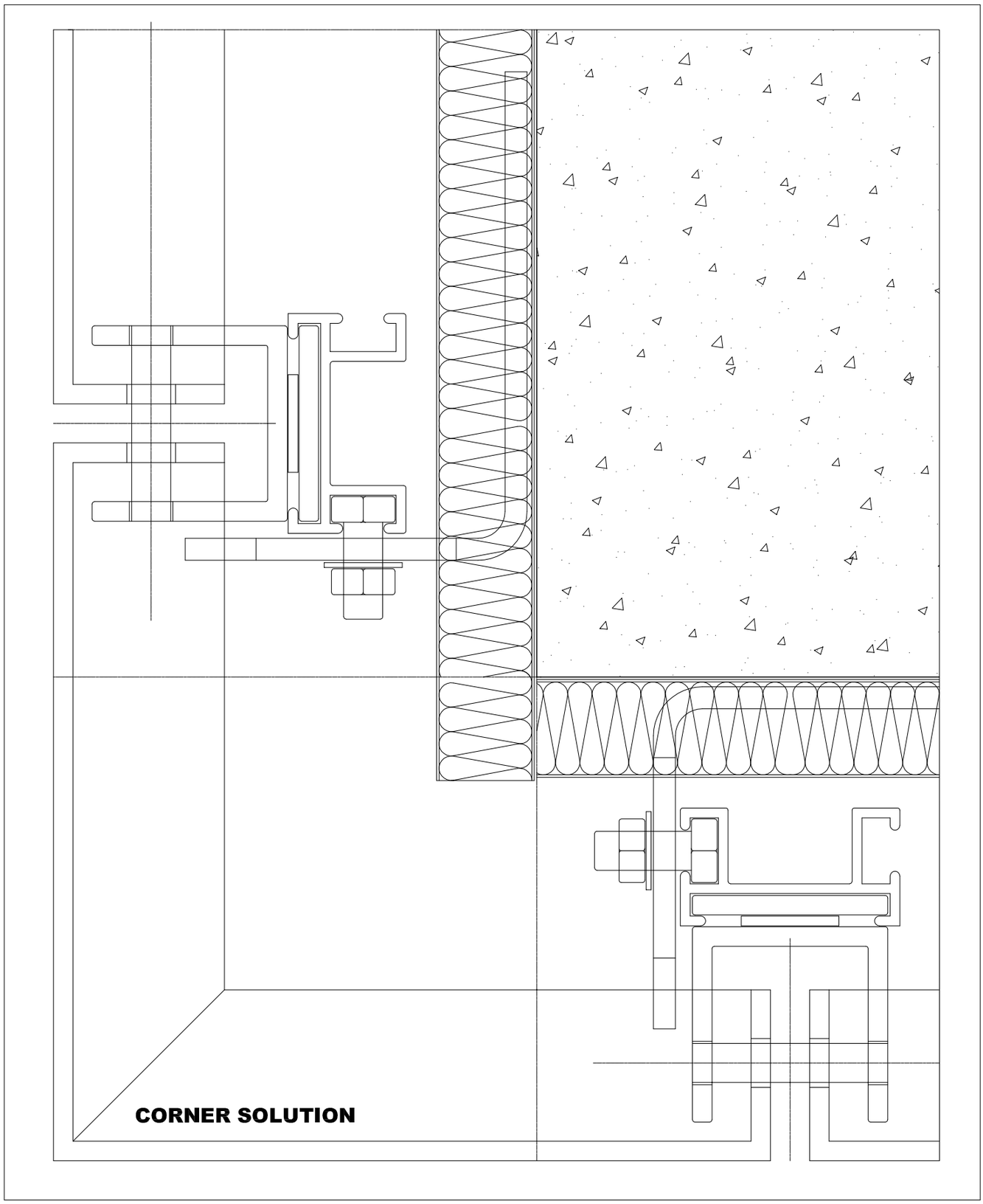

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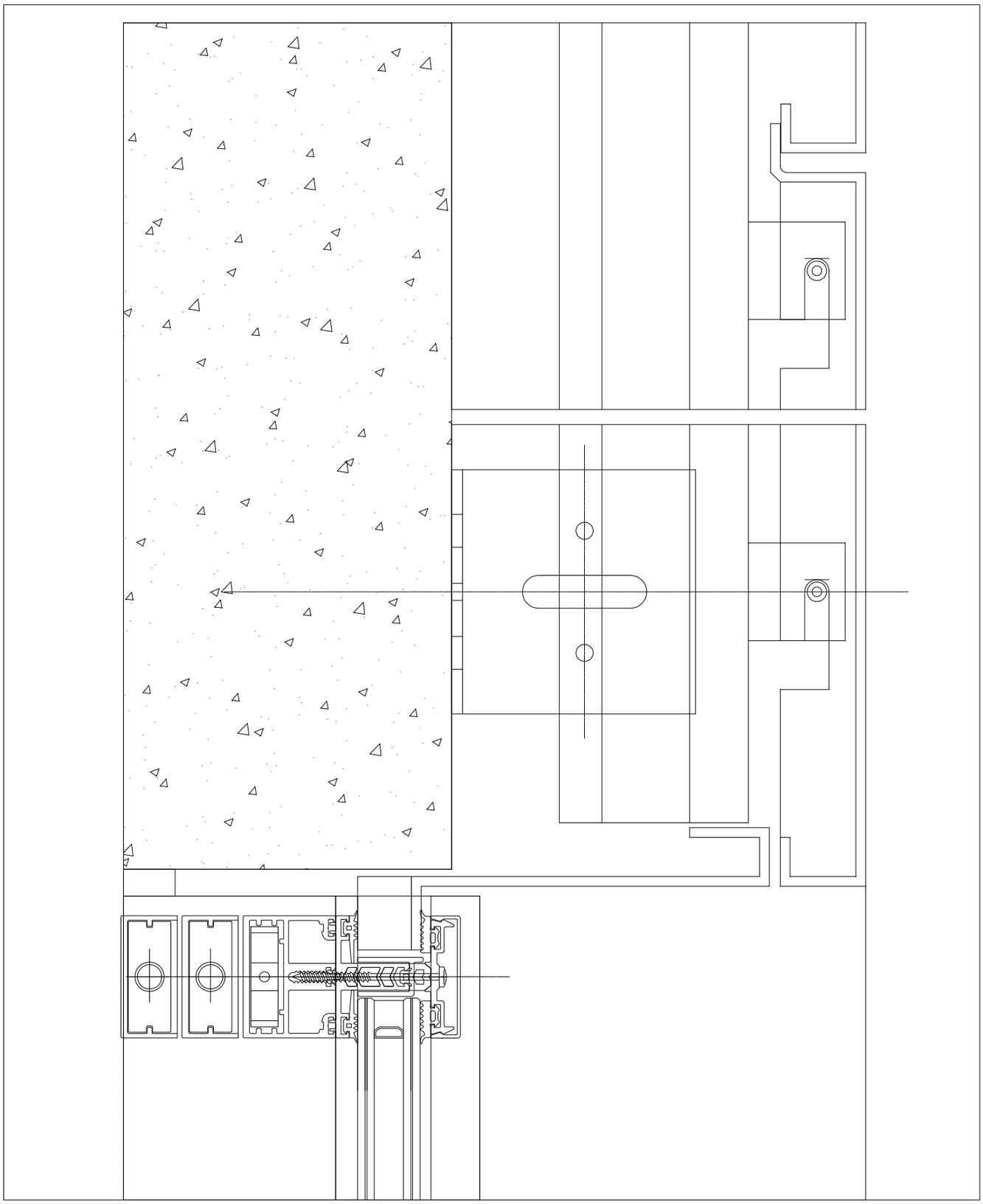

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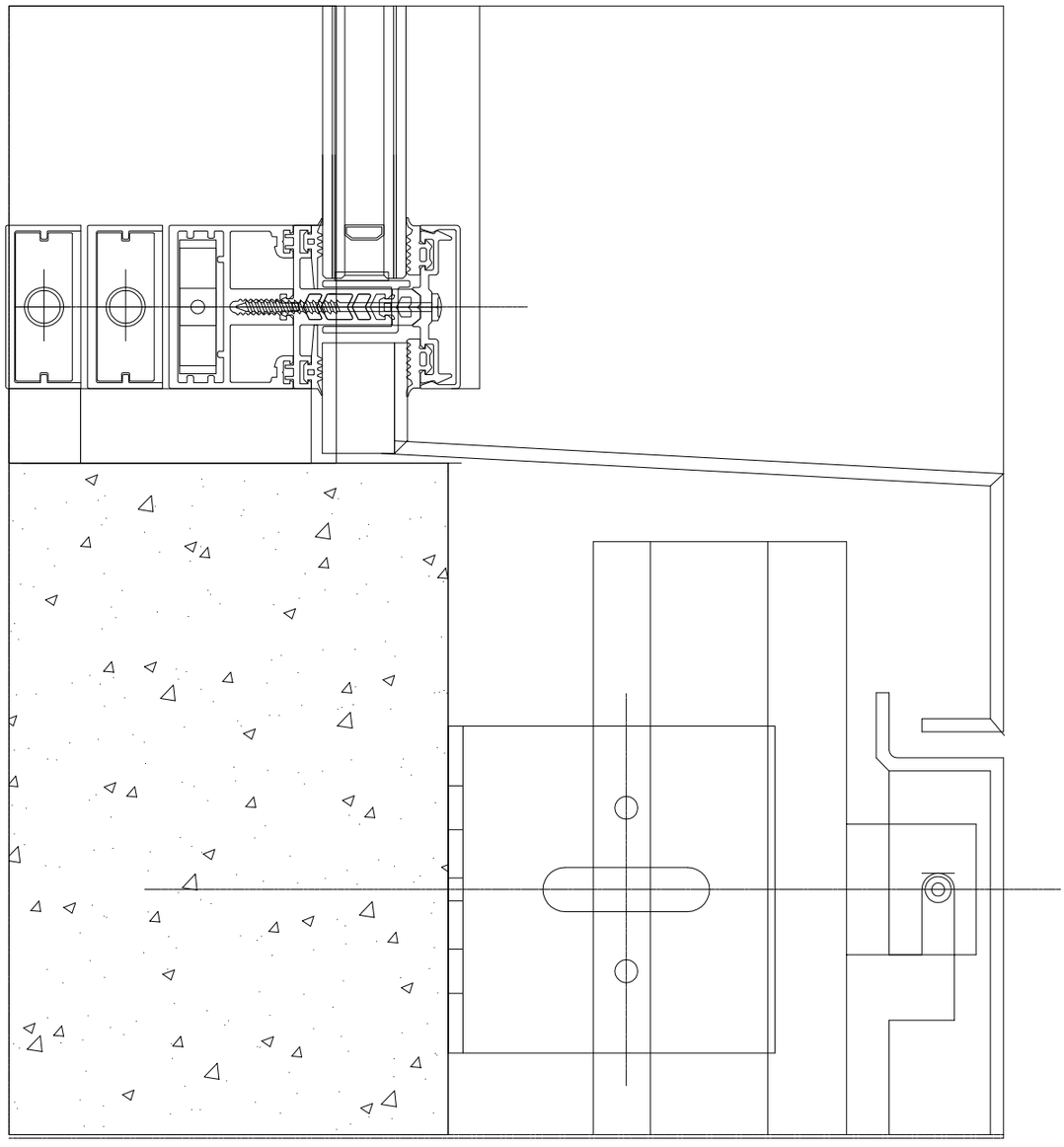
VERTICAL SECTION ON THE WINDOWS-SILL



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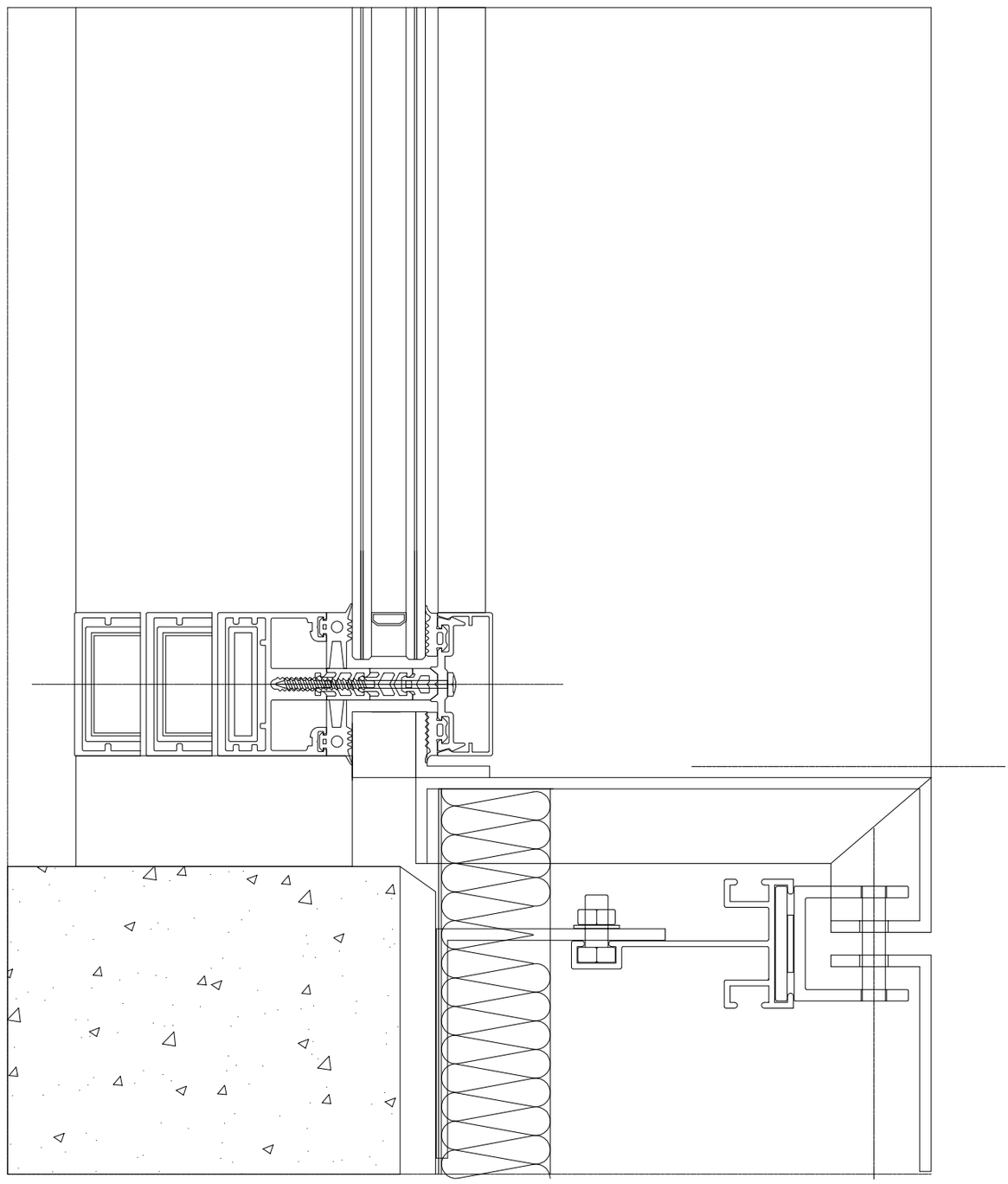
HORIZONTAL SECTION - SIDE EXAMPLE



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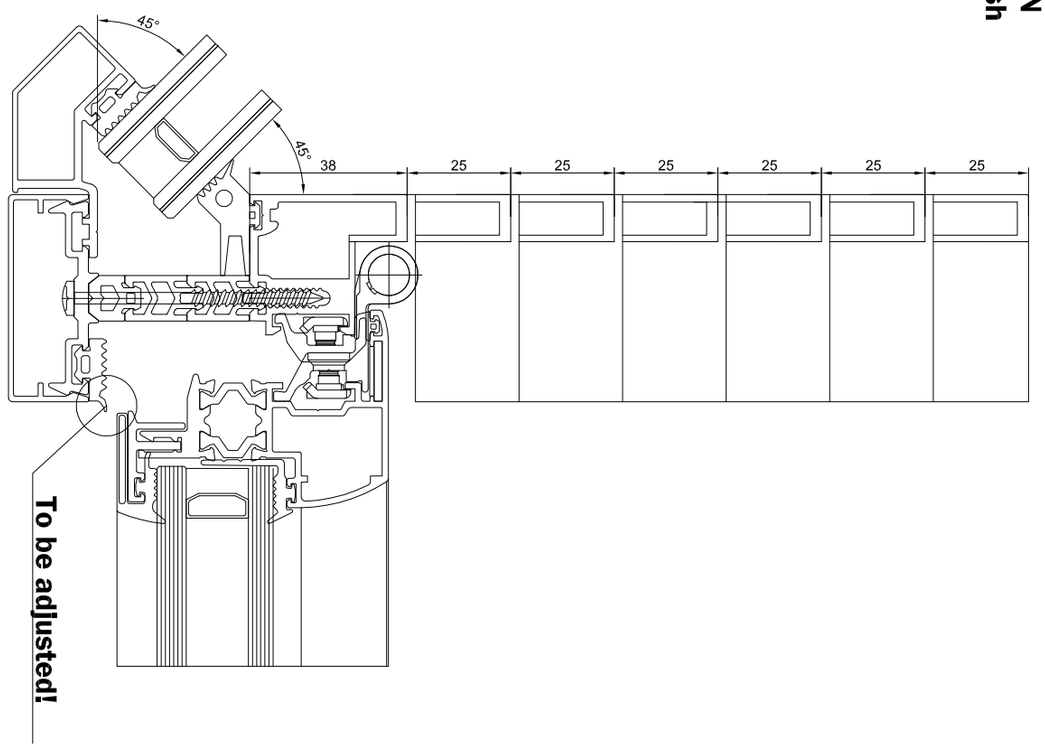
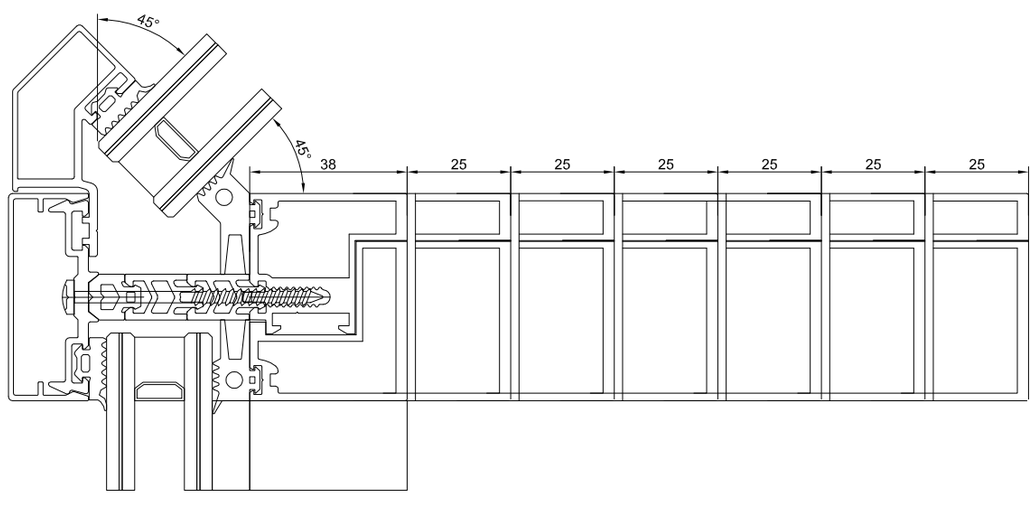
TILT and TURN
Concealed sash





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