



Slat roofs Lamaxa

Slat roofs Lamaxa L50

Year-round use

Protection in all weather: Depending on the type, the incidence of light can be adjusted to various levels with the pivotable slats – all the way to a complete closure of the slat roof.

Clean

A clean appearance: The motor is perfectly integrated in the central aluminium slat.

Extendable

Reliable lateral visual privacy and wind protection: GranTex with easyZIP guidance can be installed on the top of any of the four Lamaxa sections for vertical shading.



Construction limit values

Maximum order width	4500 mm
Maximum order length	6020 mm
Maximum order area	27 m²

Order here

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📄 Art.-Nr. 2040390

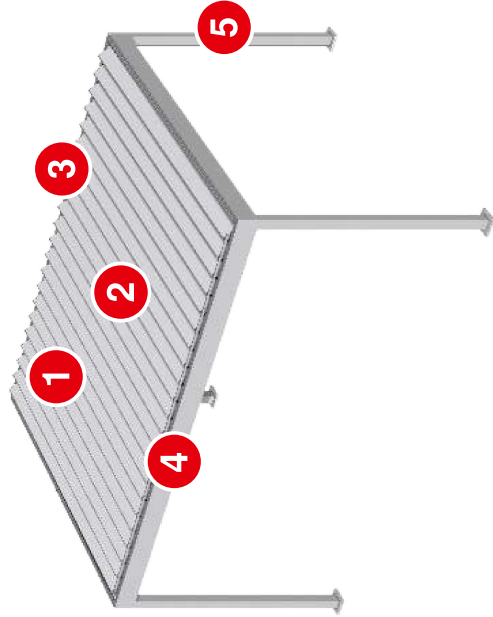
WAREMA tools

📄 Sun Shading Planner

➕ see "Navigating the document", Page 5

Components

Slat roof Lamaxa L50



1	Slats	4	Tilting mechanism via push rod
2	Slat with motor	5	Pole
3	Crossbeam		

Slat

Slat - L50

Material	Aluminium, extruded
Surface	Powder-coated
Width	233 mm
Height	57 mm
Swivelling range	0 - 135 °

Pole

Pole - L50

Material	Aluminium, extruded
Surface	Powder-coated
Material, notes	one-piece
Width	110 mm
Height	110 mm

Installation options:

- Ground installation with frost-proof, on-site foundation.
- The grout for filling the clearance is not included in the scope of delivery when threaded rods are used.

Base plate

Base plate - L50

Material	Galvanised steel
Surface	Plain
Optional surface	Powder-coated
Width	200 mm
Height	200 mm

Crossbeam

Crossbeam - L50

Material	Aluminium, extruded
Surface	Powder-coated
Width	110 mm
Height	230 mm

Electrical distribution on the crossbeam, field c - L50

Material	Aluminium, folded
Surface	Powder-coated
Width	91,5 mm
Height	155 mm

Used as soon as one or more electronic accessory variants (e.g. LED strips, GranTex with easyZIP guidance) are selected. If no electronic accessories are selected, the connection is made by cable in the crossbeam.

Drainage

Drainage in pole - L50

- Drainage through drainpipe in pole.

Position of drainage outlet:

- Possible on every pole.
- Drainage and electronics/connecting lines must always be installed in separate poles.
- On the outsides of the poles or downward.
- Min. height.: 120 mm.
- Max. height: 200 mm below the headroom.

Wall connection profile, optional

Wall connection profile with small rain hood

Material	Aluminium, extruded
Surface	Powder-coated
Width	54 - 65 mm
Height	48 mm

Dimensions, notes The adjustment range in the depth between rain hood and wall connection profile is up to 11 mm.

The on-site sealing is the responsibility of the specialist partner; if necessary, the commissioning of a plumbing company is recommended.

Field of application:

- Terrea K50
- Terrea K70
- Perea P20 (up to an angle of 10°)
- Lamaxa L50/L60/L70

Planning

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Fabric roofs
Lamaxa

Supplementary
accessories

Drive
Variants

Console, optional

Wall console - L50

Material	Galvanised steel
Surface	Powder-coated
Width	75 mm
Height	177 mm
Depth	105 mm

- Use in corner as pole replacement.
- A maximum of two poles can be replaced by wall consoles.
- For a concrete mounting substructure; adapter plates are required for other substructures.
- The wall console protrudes 8 mm beyond the order width and order length. This results in a gap of 8 mm between the crossbeam and the wall.

Drive variants

- Motor

Motor

- WMS-LP (WMS)

+ see "Drive variants", Page 201

Colours

- WAREMA Colour World, Individual category, fine texture surface quality
- WAREMA Colour World, Highlight category, fine texture surface quality
- WAREMA Colour World, Variation category, fine texture surface quality

Colours, optional:

- WAREMA Colour World

+ see "Colours and finishes", Page 10

Construction limit values

Configuration variants	Minimum order width	Maximum order width	Minimum order length	Maximum order length	Maximum order area	Minimum headroom	Maximum headroom
Slat							
Slat - L50	2500 mm	4500 mm	2000 mm	6020 mm	27 m²	800 mm	2700 mm

Following enquiry, deviations from the standard construction limit values are possible (within limits).

Pole height:

- Minimum height for poles with drainage: 800 mm.
- Minimum height for poles without drainage: 800 mm.
- The maximum pole height (headroom plus floor recess) is ≤ 3000 mm.

Notes

Limit position learning:

The WAREMA Smart programming cable is required in order to adjust the motor limit positions.

Number of optional extras per field:

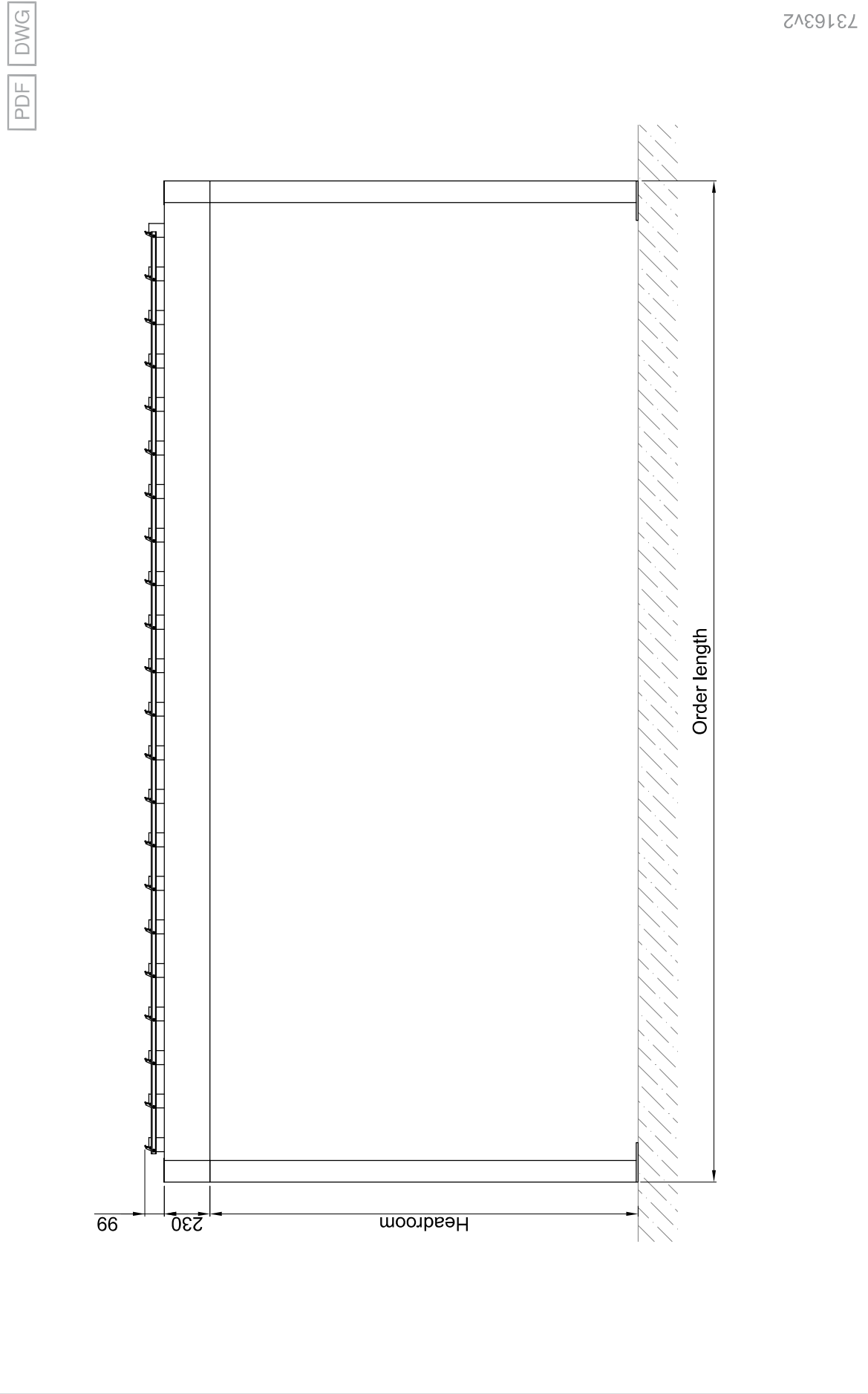
Only one optional extra is possible per field. Either GranTex with easyZIP guidance, LED on the poles, sliding shutters with wooden or aluminium filling or the SL20e glass sliding system.

Supplementary accessories

- Design radiant heater
- GranTex with easyZIP guidance
- Glass sliding system SL20e
- Sliding shutters - L50/L60/L70
- Lamaxa lighting
- Protection profile
- Additional pole - L50
- Offset pole - L50/L50 Tex
- Power socket

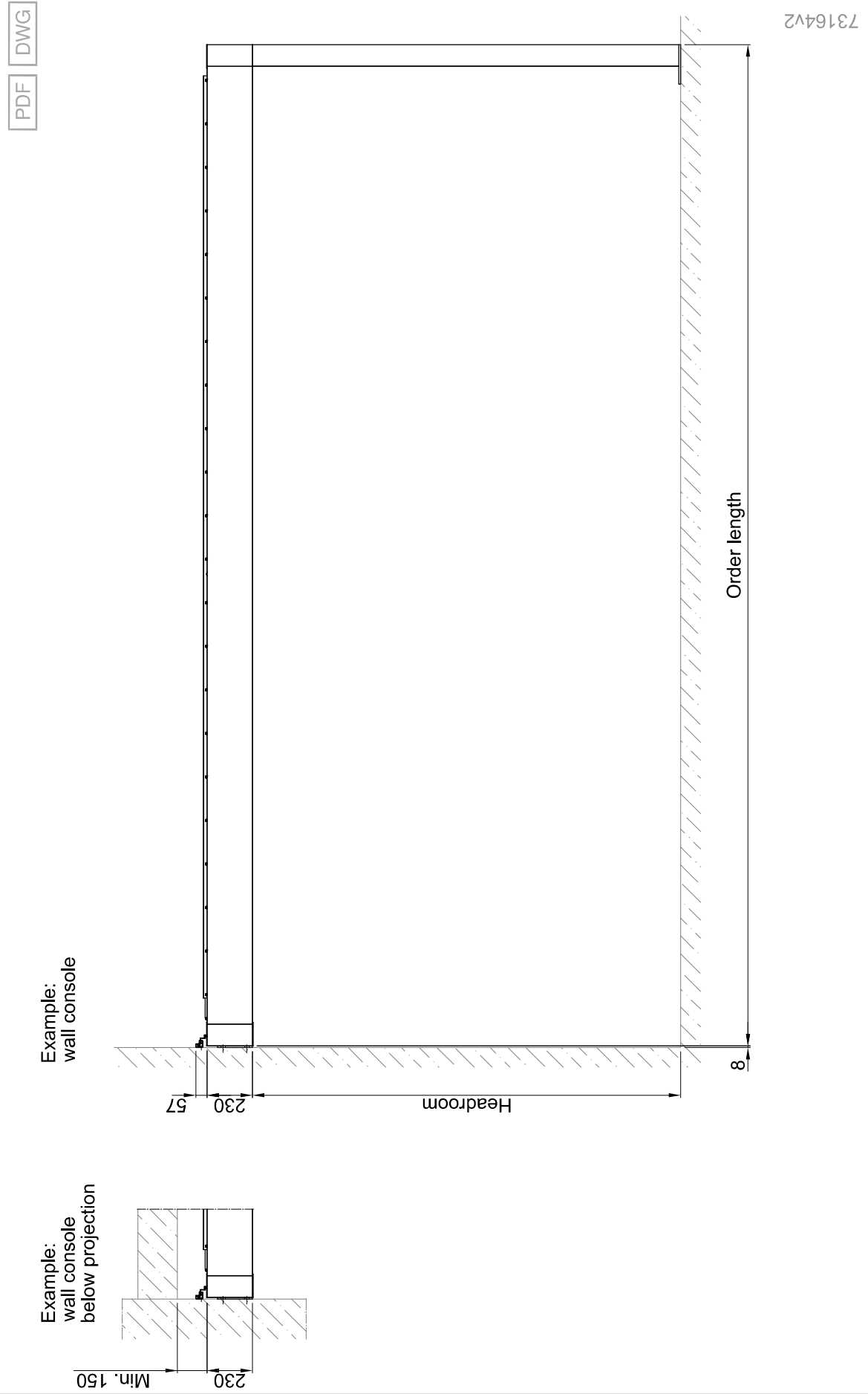
+ see "Supplementary accessories", Page 143

Side view with open slats - L50



When closed, the slats do not protrude beyond the crossbeam.

Side view of wall connection with wall console - L50





Optimal order length - L50 individual unit

Order length in mm	Number of slats
2000	7
2060	8
2280	9
2500	10
2720	11
2940	12
3160	13
3380	14
3600	15
3820	16
4040	17
4260	18
4480	19
4700	20
4920	21
5140	22
5360	23
5580	24
5800	25
6020	26

Planning

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Supplementary
accessories

Drive
variants

The order length in the table is the dimension with the smallest possible length compensation plates and therefore corresponds to the optimum order dimension (except order length 2000 mm) for individual units. For the calculation of the optimal order length for series-mounted units, please use the following sketches for L50 Line dimension determination.

Weight assessment

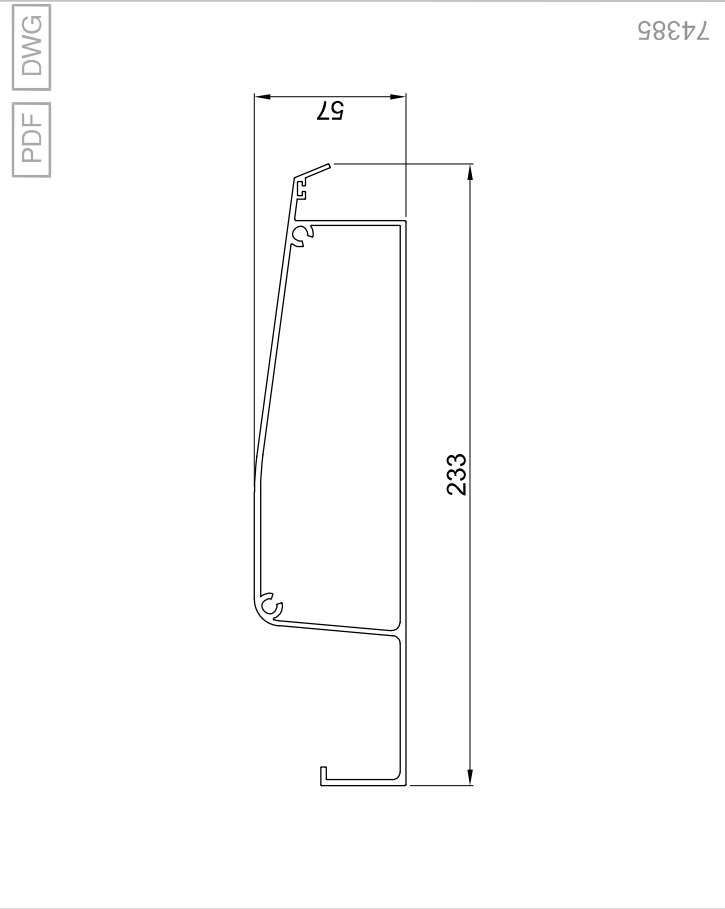
Weight assessment for roof systems

Order length	Order width			
	2500 mm	3000 mm	3500 mm	4000 mm
2000 - 2500 mm	252 kg	277 kg	302 kg	328 kg
2501 - 3000 mm	277 kg	305 kg	334 kg	363 kg
3001 - 3500 mm	302 kg	334 kg	366 kg	399 kg
3501 - 4000 mm	335 kg	373 kg	411 kg	448 kg
4001 - 4500 mm	360 kg	402 kg	443 kg	484 kg
4501 - 5000 mm	385 kg	430 kg	475 kg	520 kg
5001 - 5500 mm	419 kg	469 kg	519 kg	569 kg
5501 - 6020 mm	444 kg	498 kg	551 kg	605 kg

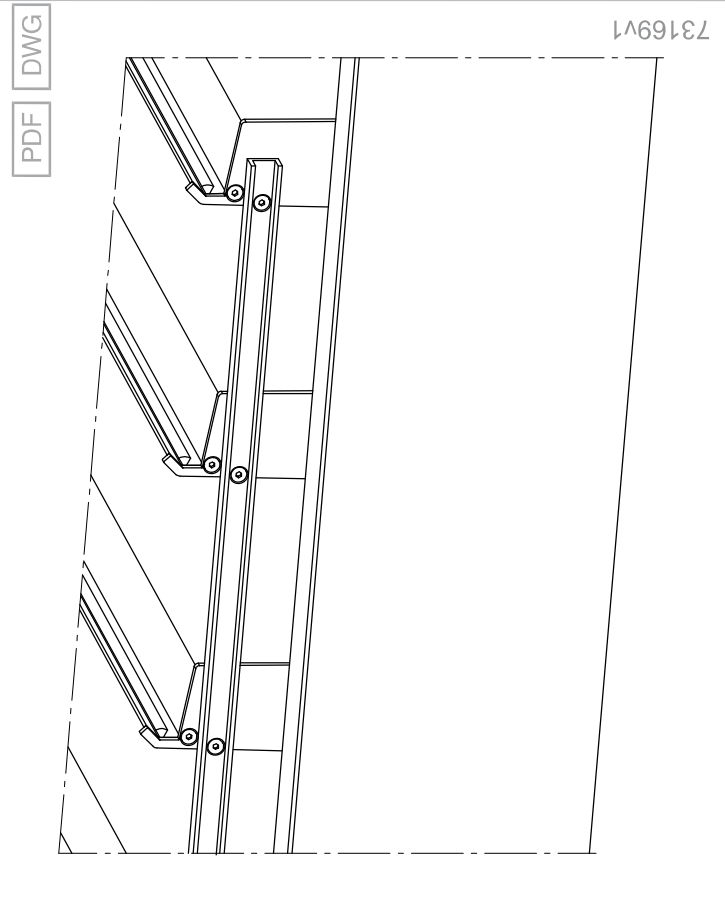
4500 mm	353 kg
4000 mm	392 kg
3500 mm	431 kg
3000 mm	486 kg
2500 mm	525 kg
2000 mm	564 kg
1500 mm	619 kg
1000 mm	659 kg

Details

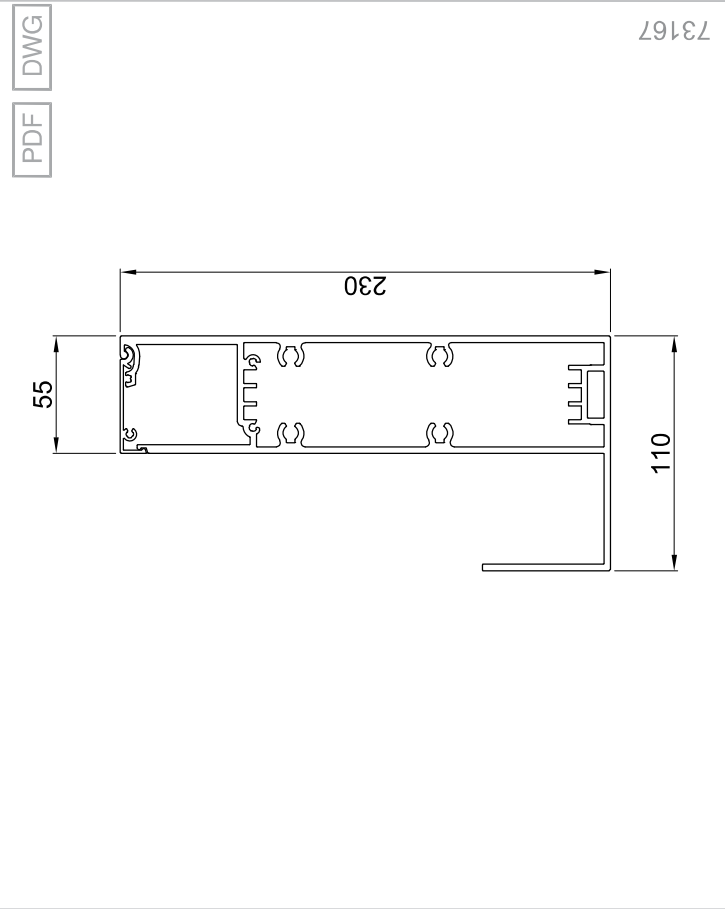
L50/L60 slats



Tilting mechanism via push rod - L50/L60

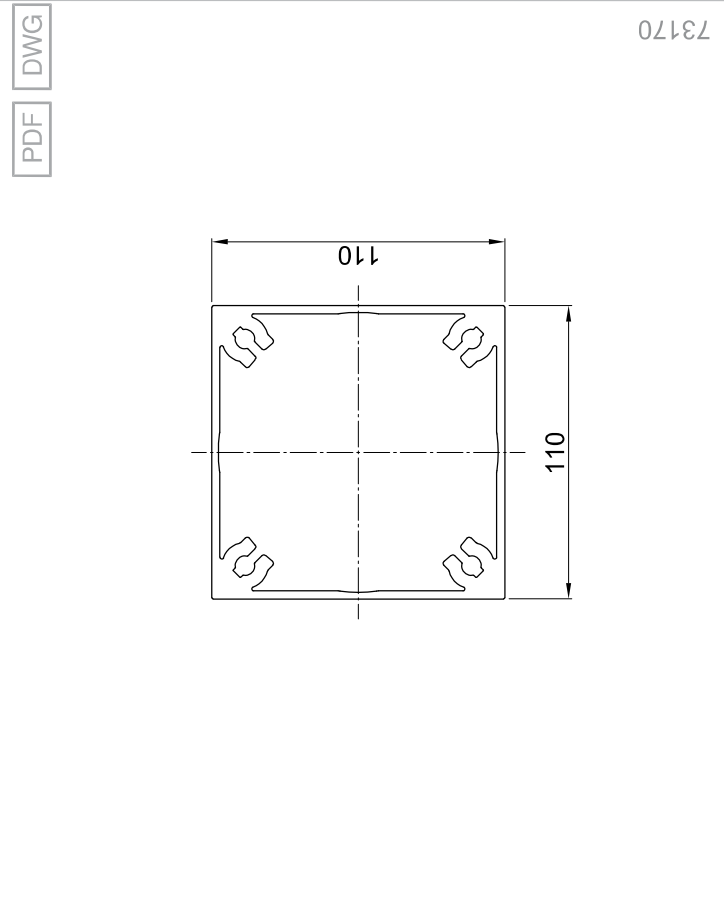


Crossbeam - L50

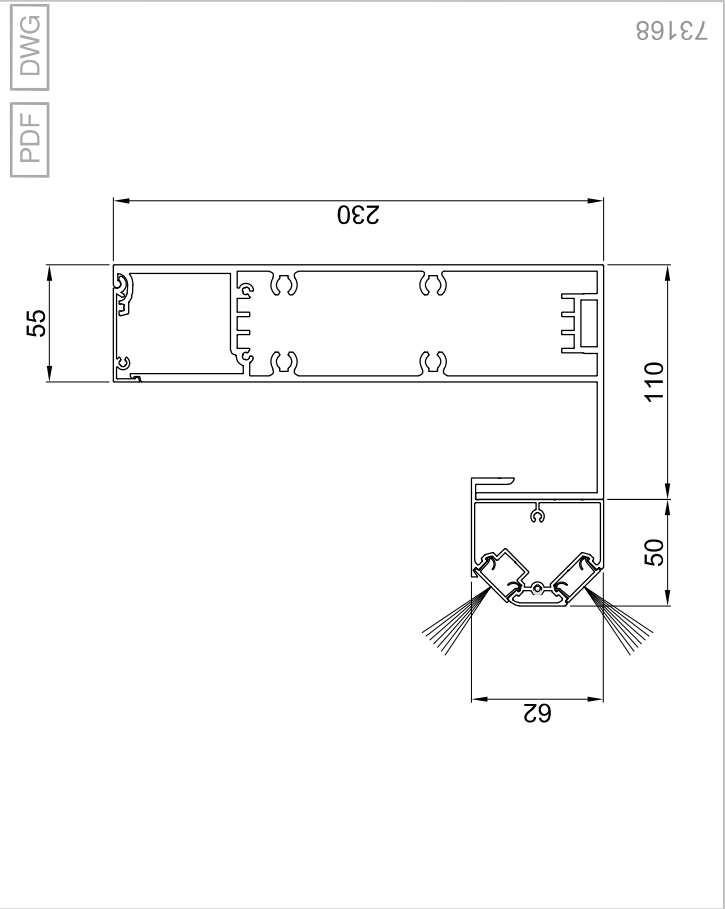


In case of the L50 the push rod is always positioned opposite the drainage. The position of the push rod can be selected for L60.

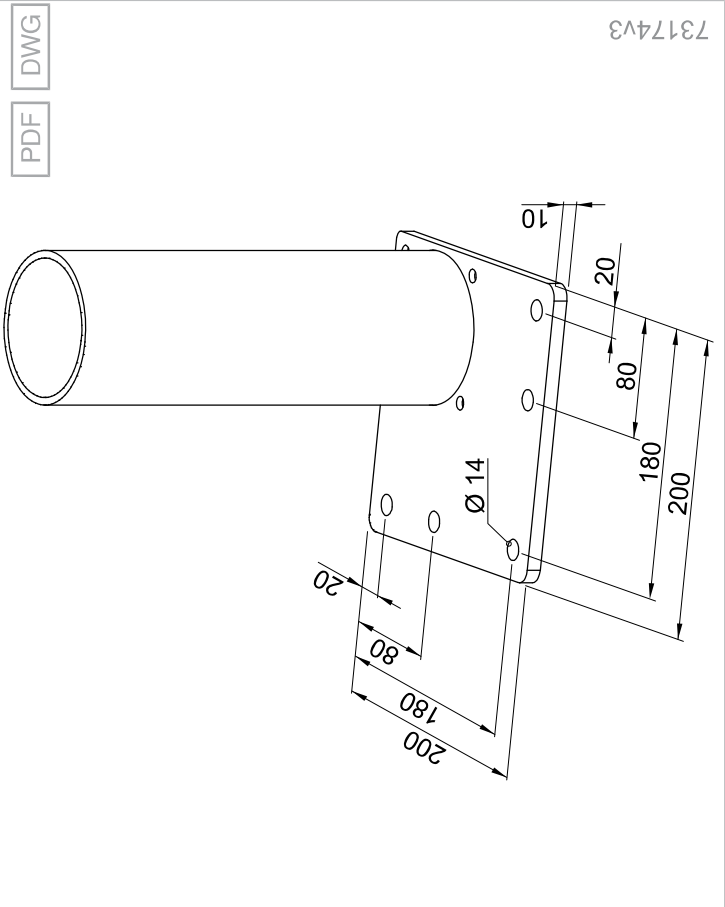
Pole - L50



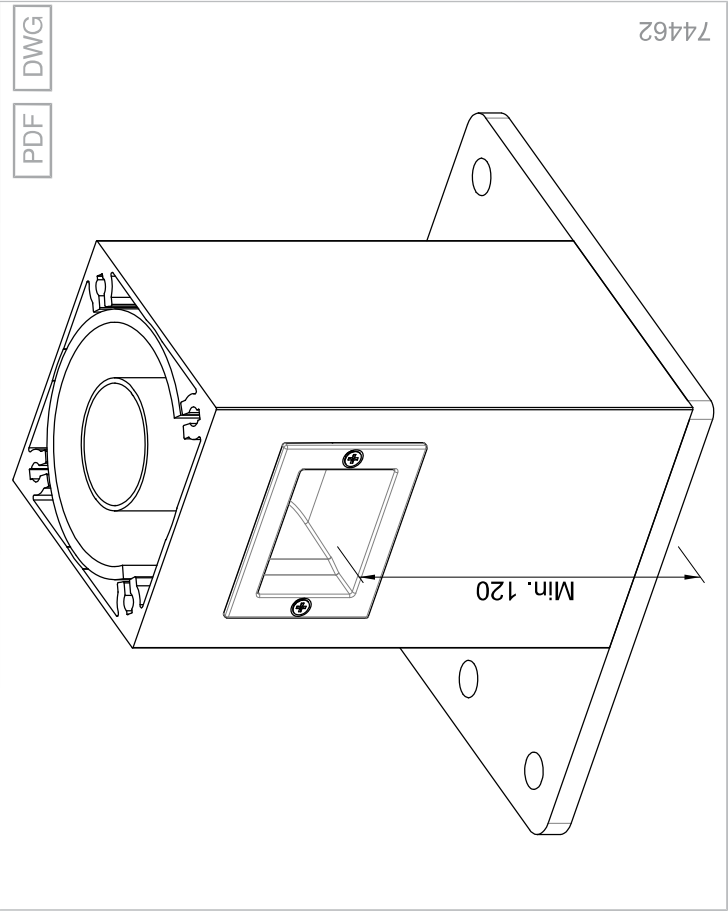
Crossbeam with LED profile - L50



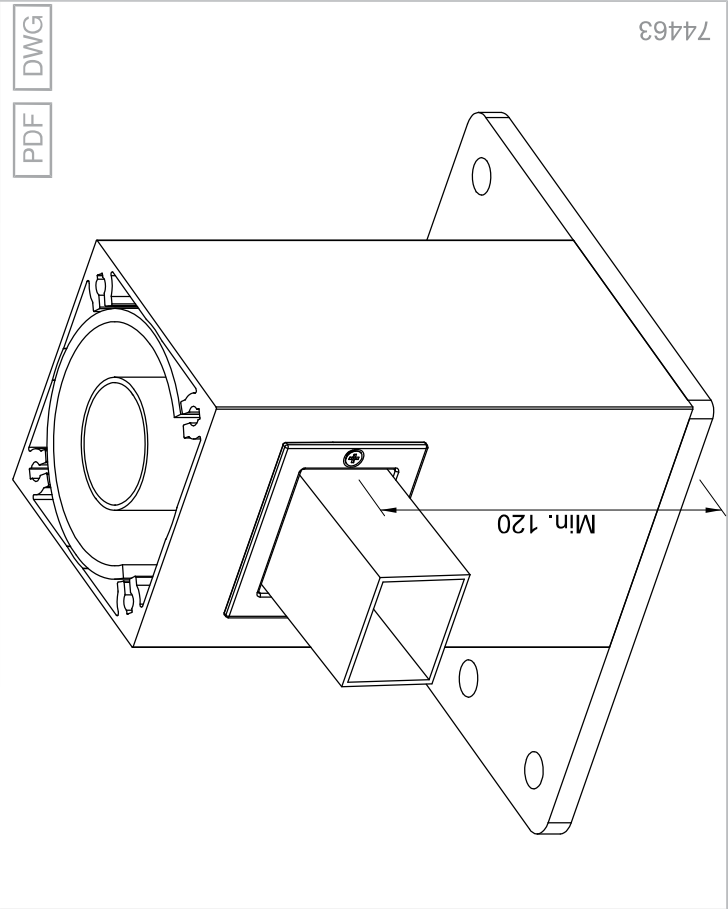
Base plate - L50



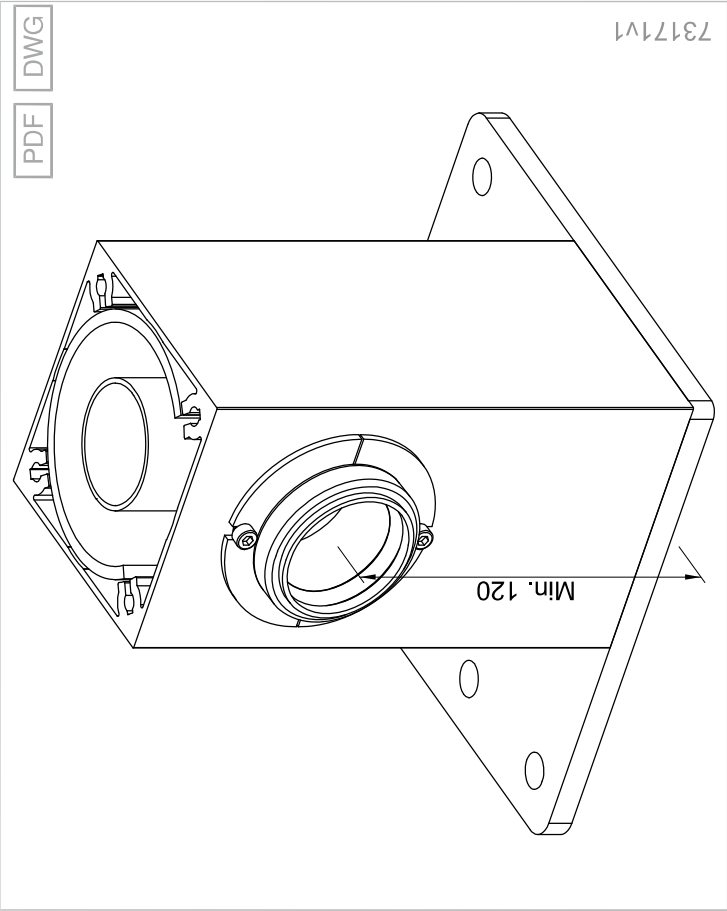
L50, rectangular drainage



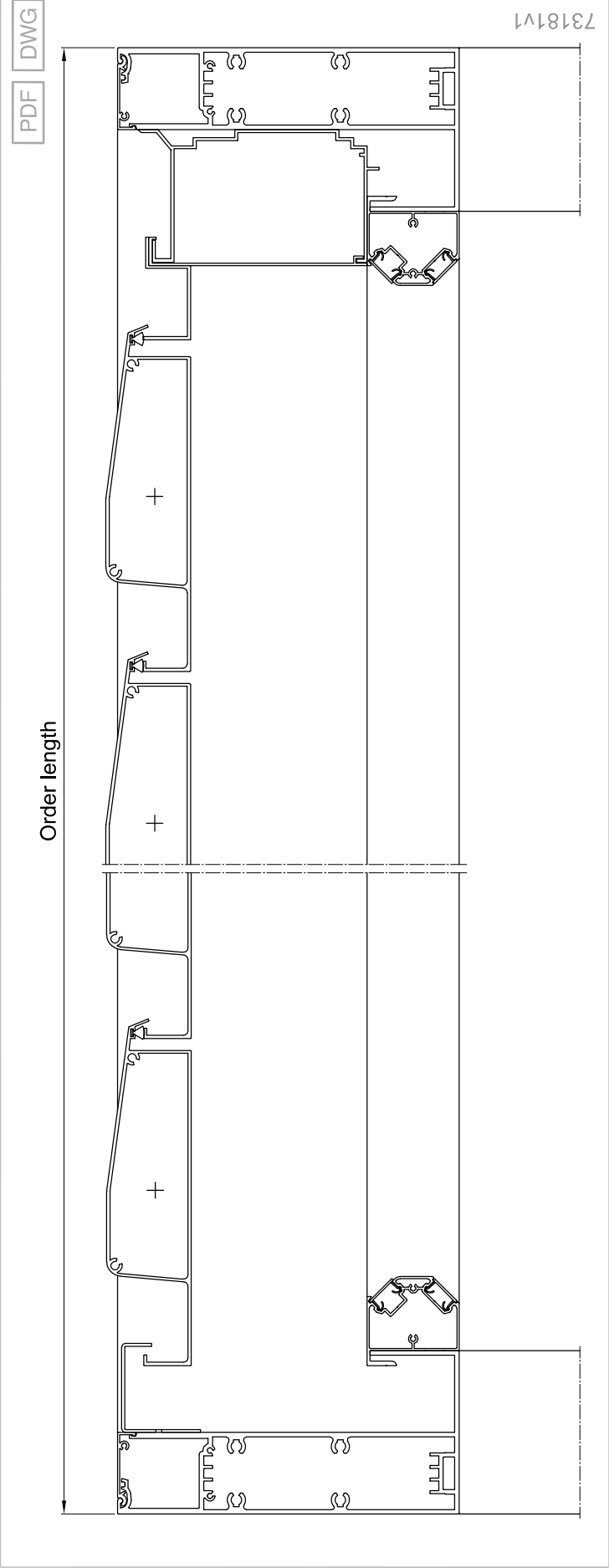
L50, rectangular drainage, optional waterspout



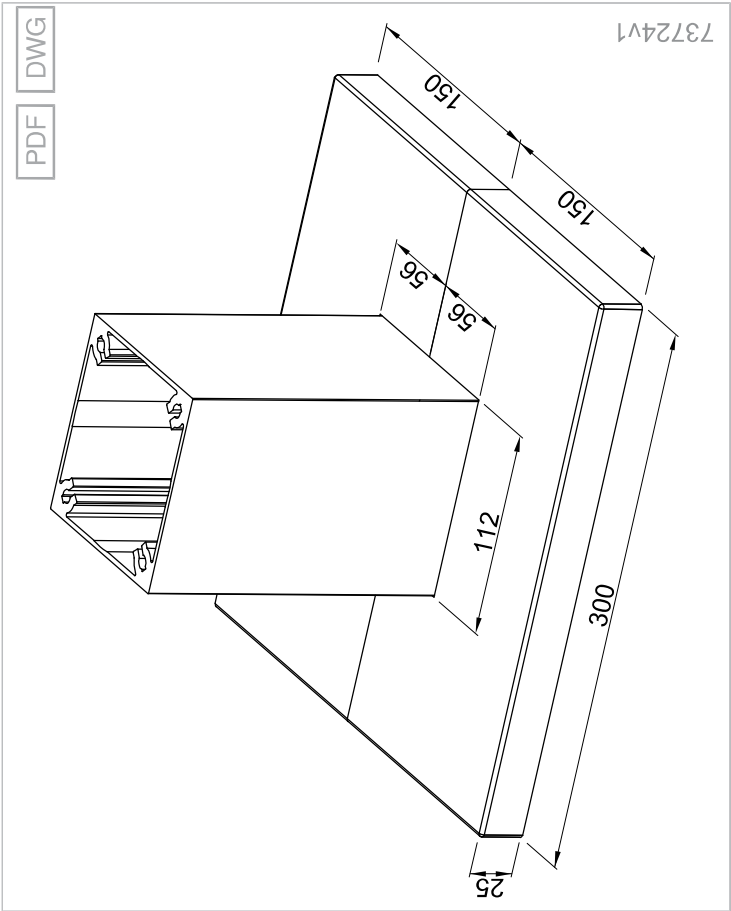
L50, position of drainage, on-site



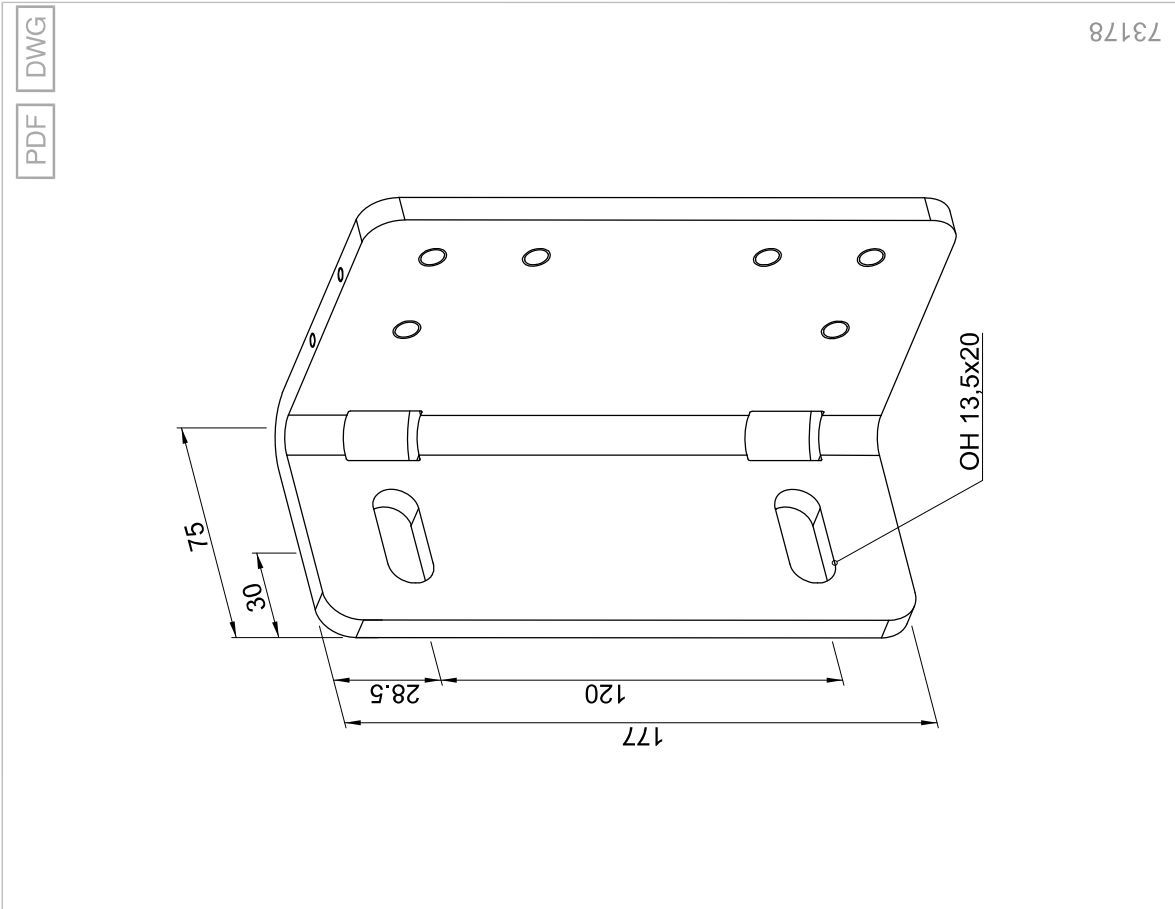
Length comparison (with connection box) - L50



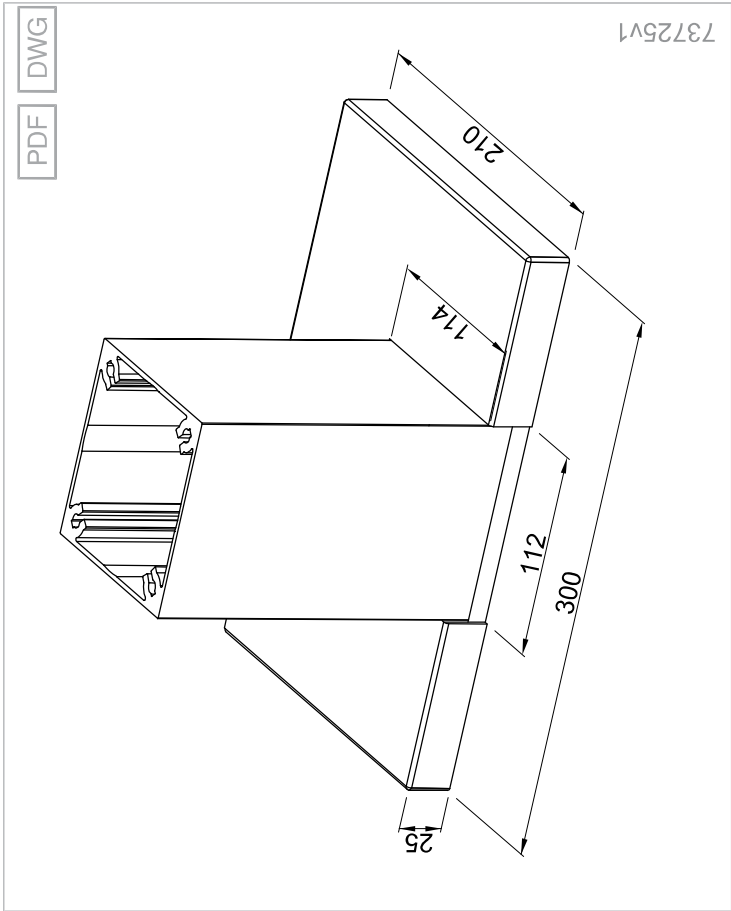
External base cover - L50



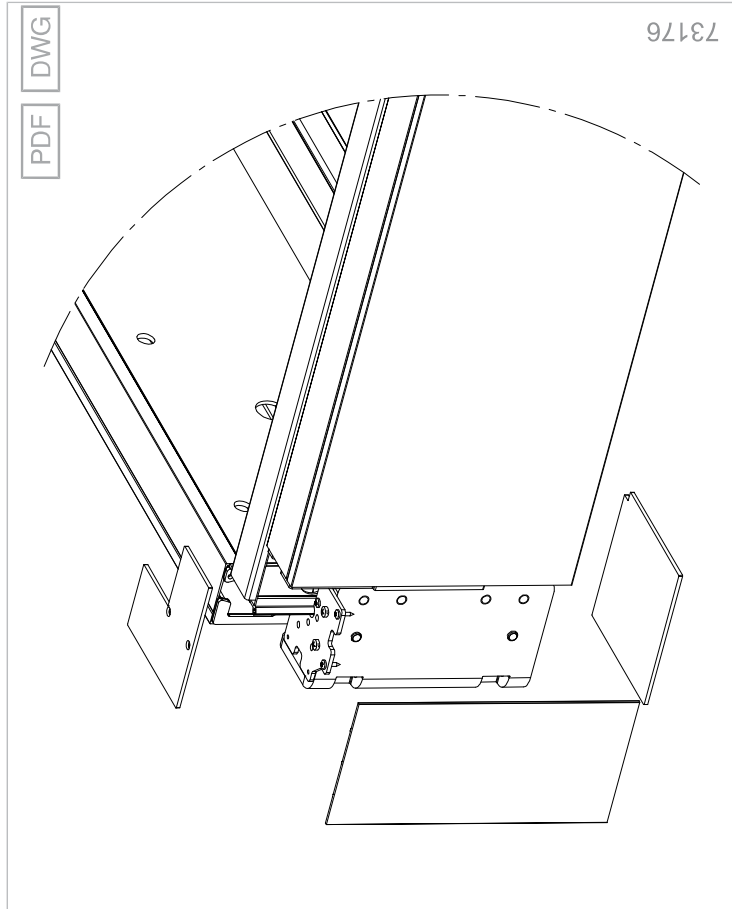
Console wall connection L50



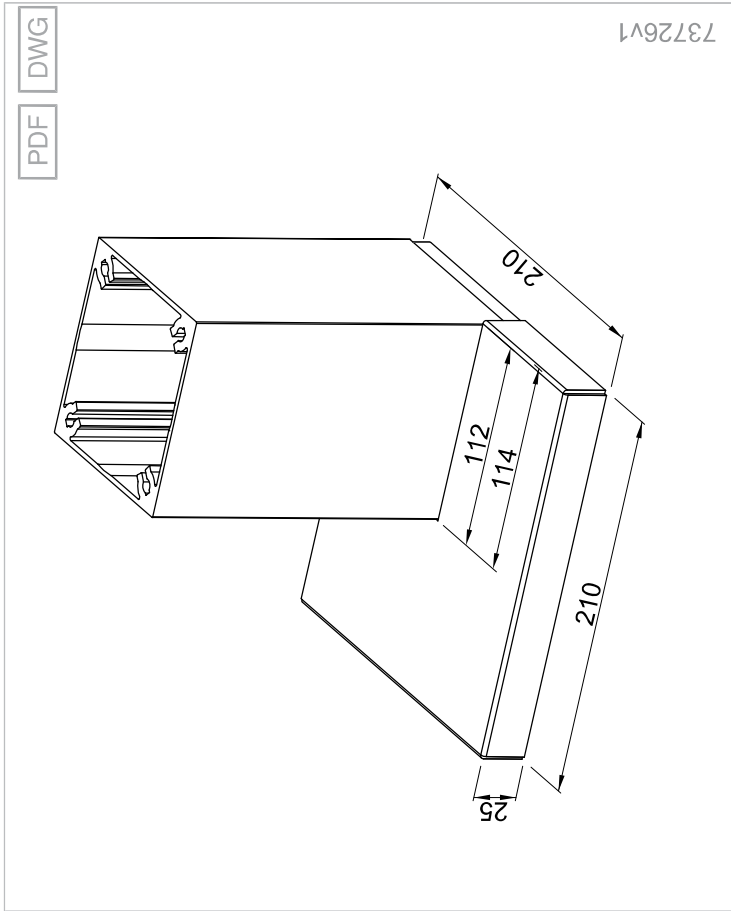
Recess installation base cover - L50



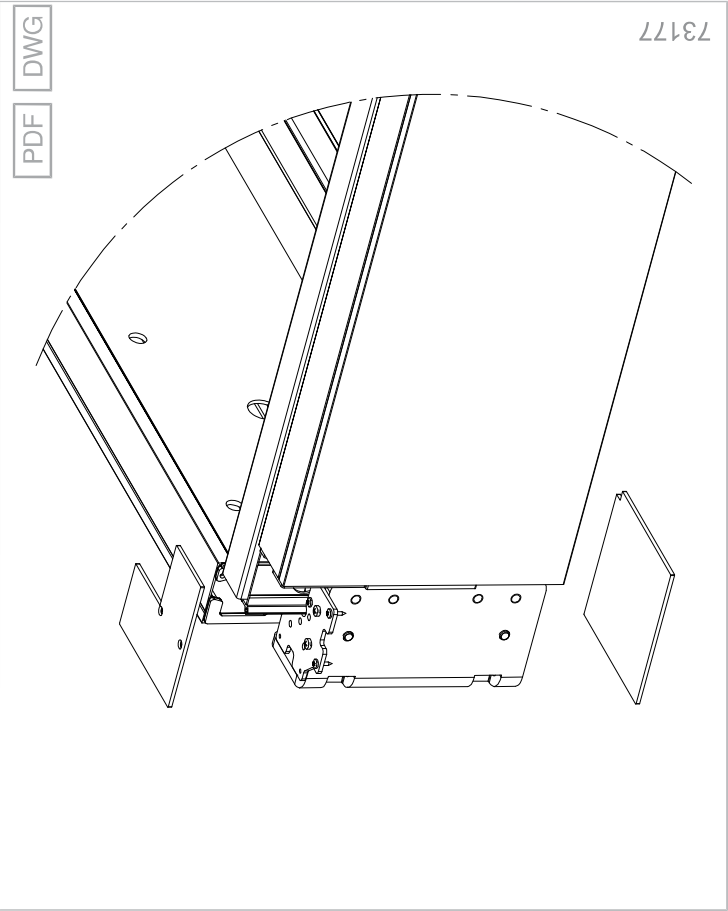
Lateral wall console facing - L50



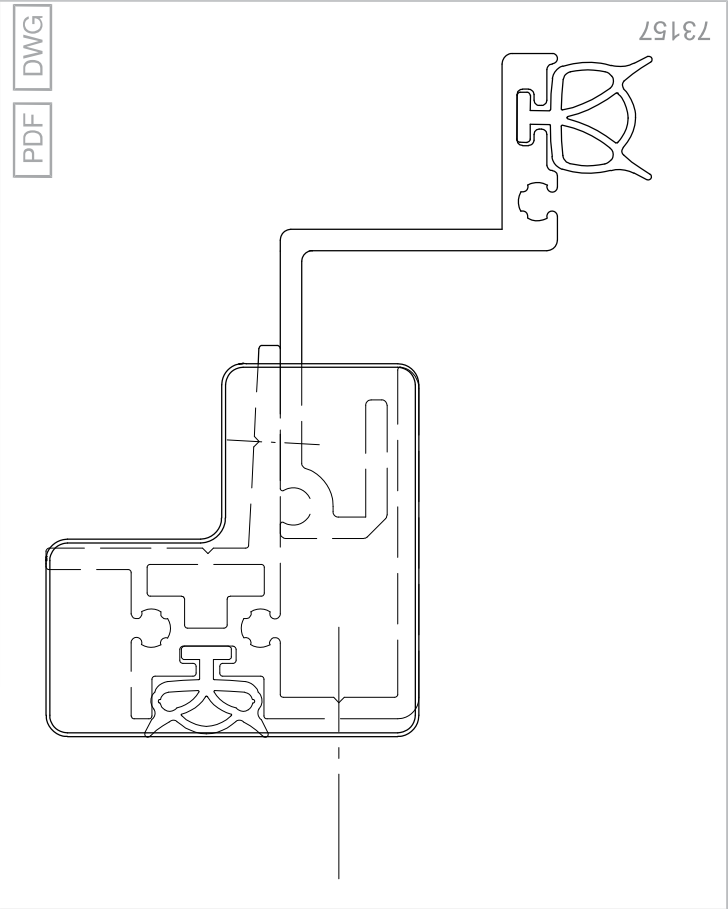
Corner installation base cover - L50



Inner angle wall console facing - L50



Wall connection profile with small rain hood - L50/L60/L70



Additional product information

Pole installation options

Ground installation with frost-proof on-site foundation, see slat roof guidelines (IVRSA).

Slat roofs
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Glass roofs
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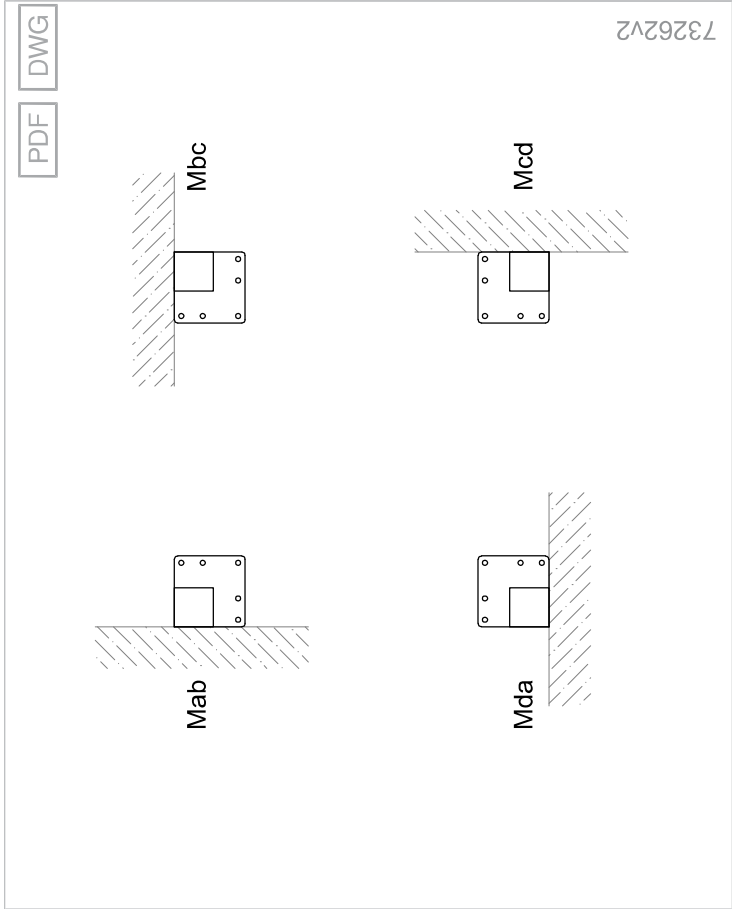
Fabric roofs
Lamaxa

Supplementary
accessories

Drive
variants

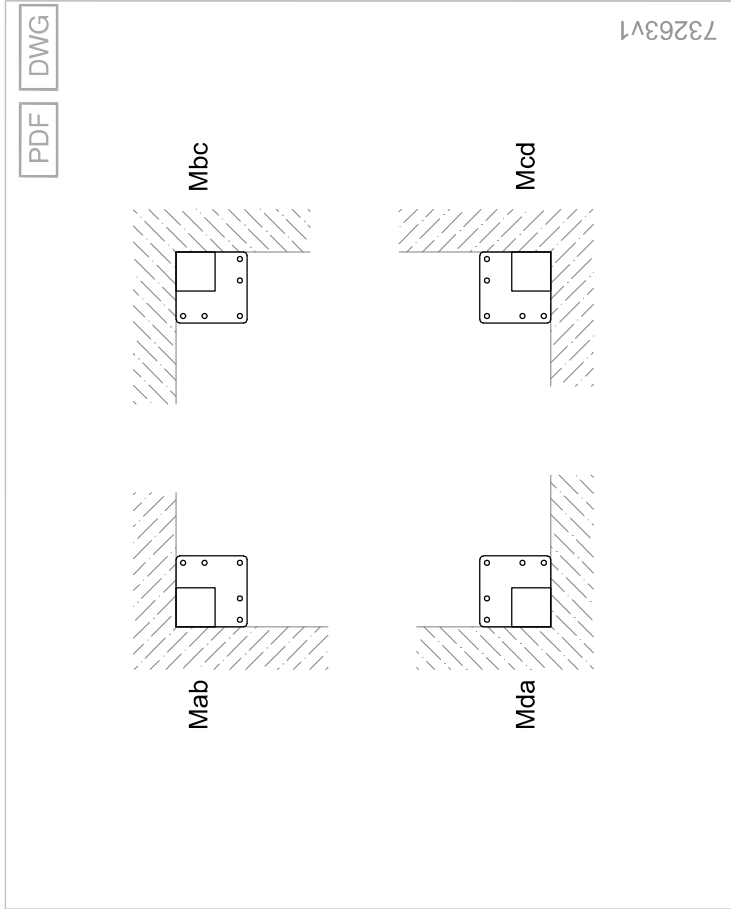
Mounting examples

Application of base plate for recess installation - L50



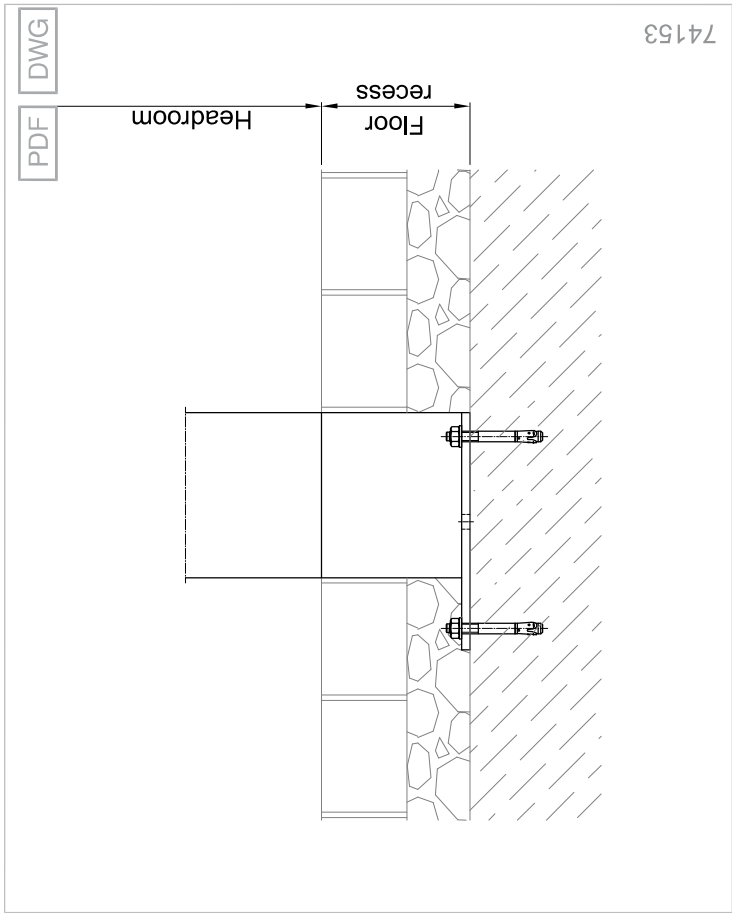
M Point of installation (pole or wall connection)

Application of corner installation base plate - L50

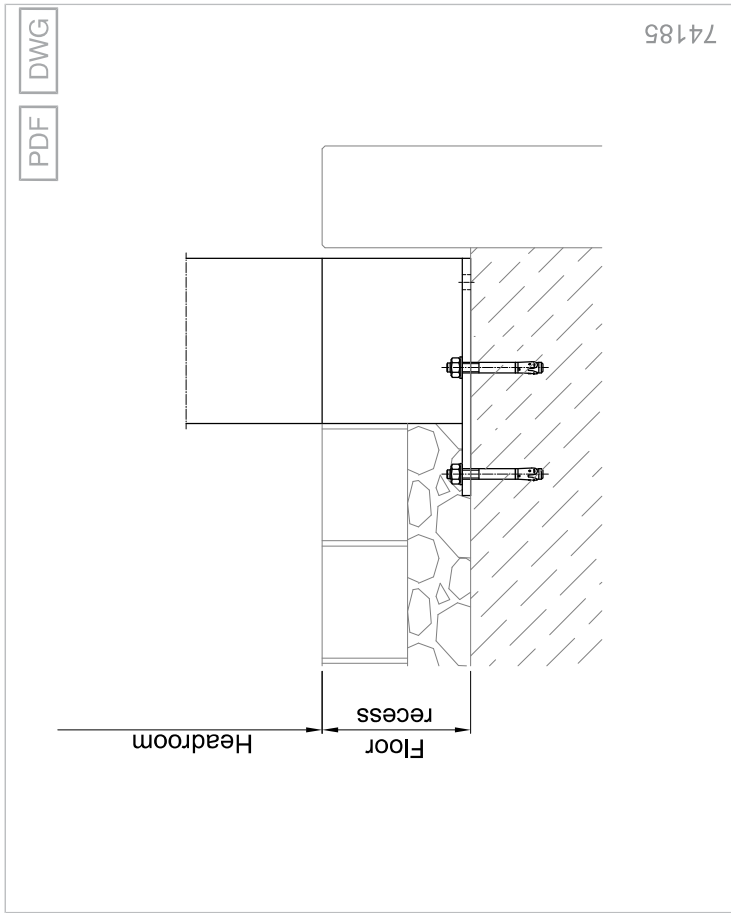


M Point of installation (pole or wall connection)

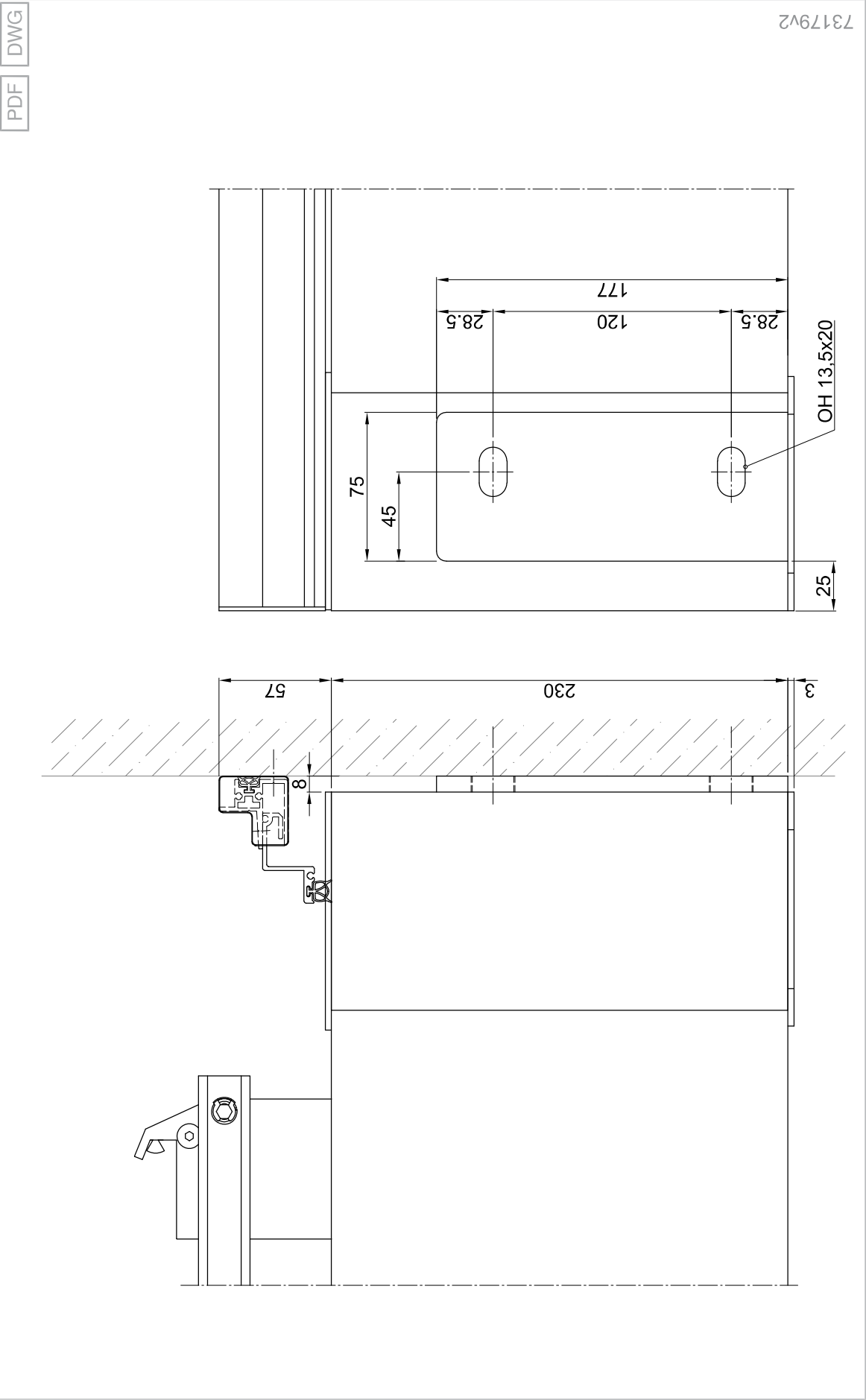
Fixing on concrete foundation



Fixing on concrete foundation (corner installation)



Side view of wall connection - L50



Planning

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Lamaxes

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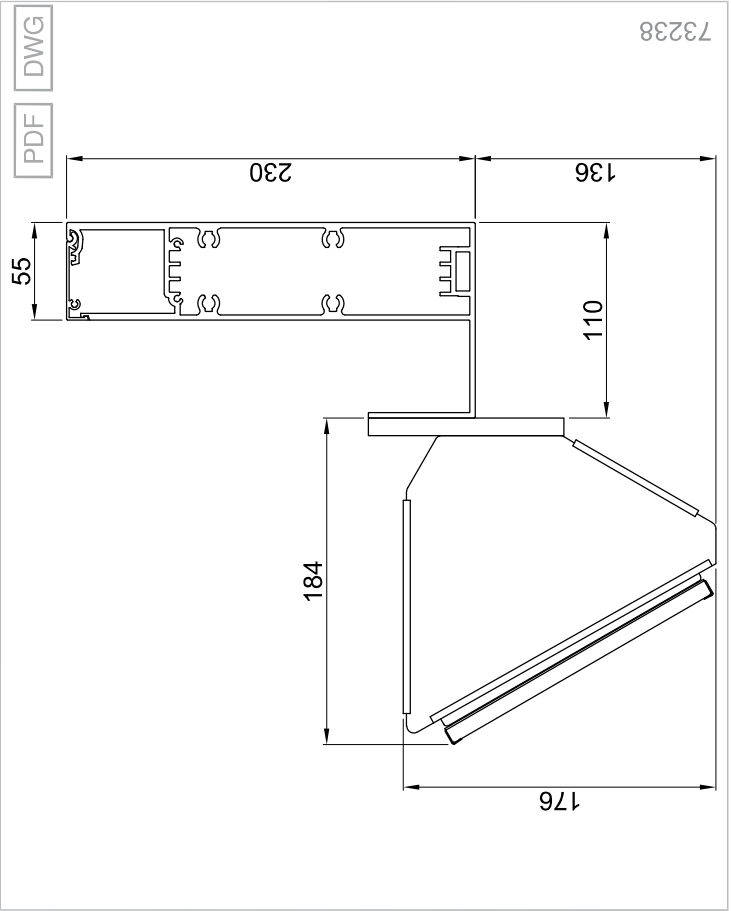
Fabric roofs
Lamaxes

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Standards

Design radiant heater on crossbeam - L50





Slat roofs Lamaxa

Slat roofs Lamaxa L50 Line

Expansive

Shade very large areas flexibly: With a central pole, several roof systems can be elegantly lined up along the long as well as the short side. Free-standing, with wall connection or in a star shape.

Inviting

Perfect for the catering sector: Plenty of space at all times with an inviting flair for outdoor guests – in the open air or appropriately protected from the sun and rain.

Versatile

Protection in all weather: Depending on the type, the incidence of light can be adjusted to various levels with the pivotable slats – all the way to a complete closure of the slat roof.

Construction limit values

Maximum order width	27000 mm
Maximum order length	36000 mm
Maximum order area	162 m ²

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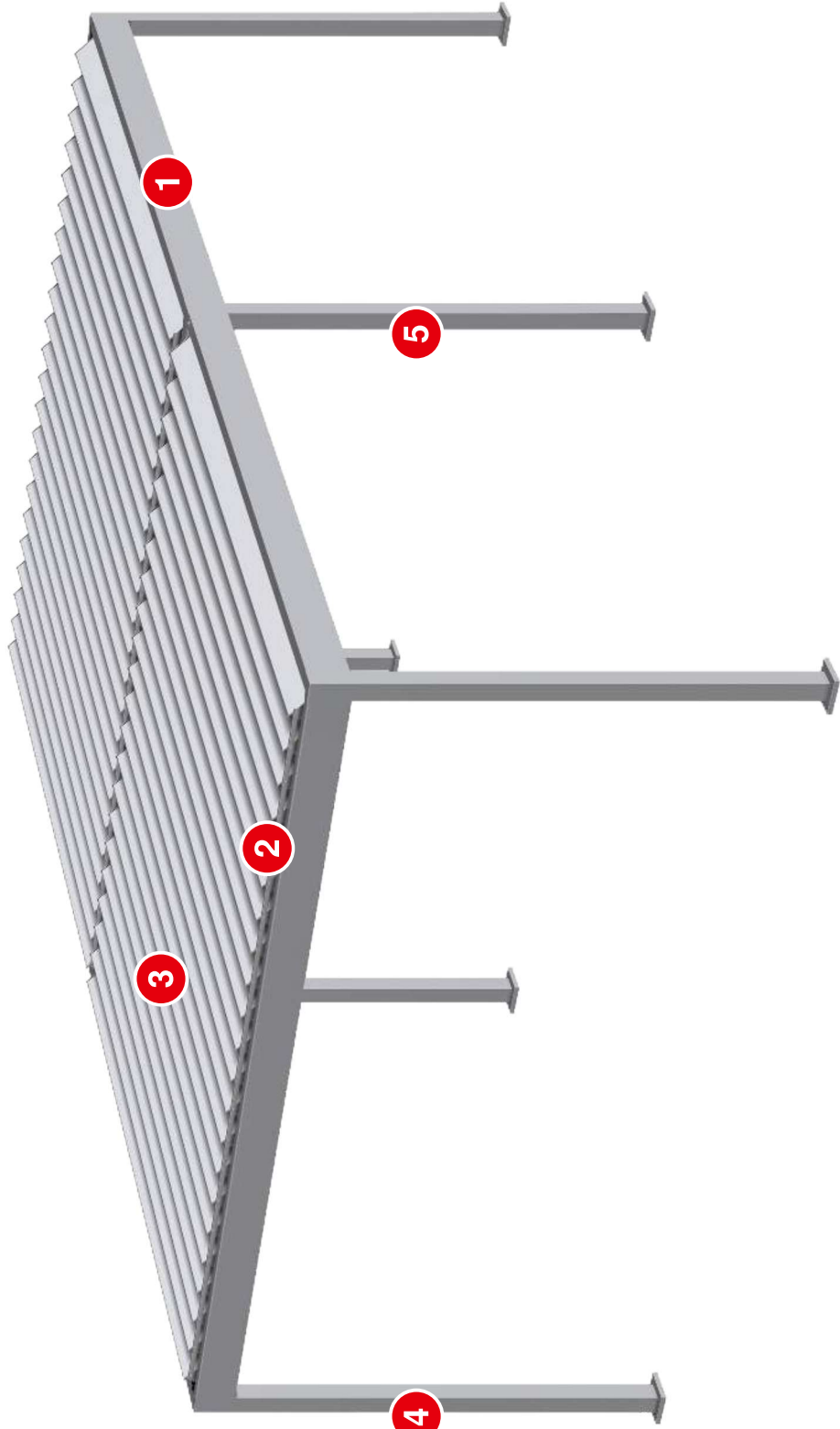
WAREMA tools

[Sun Shading Planner](#)

[see "Navigating the document", Page 5](#)

Components

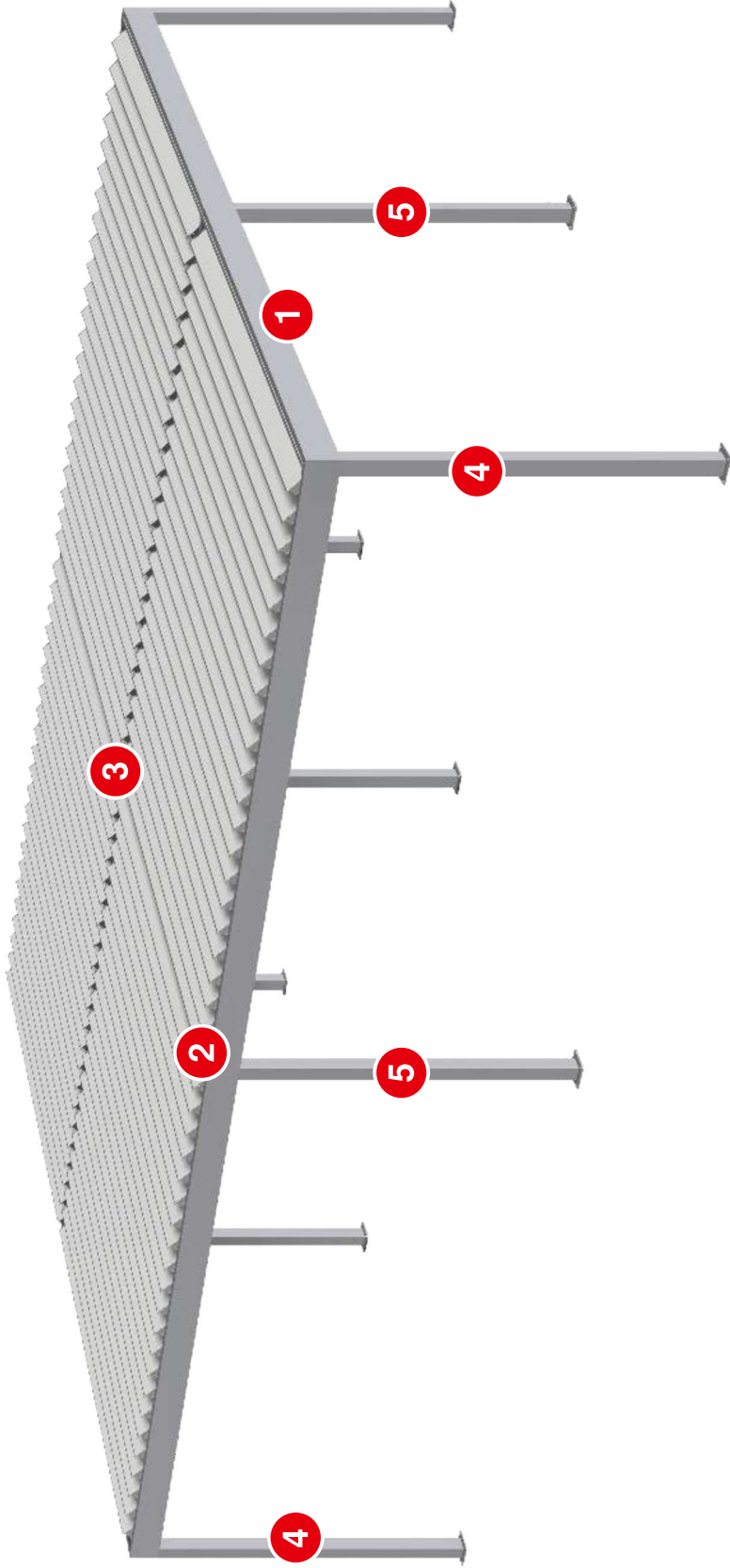
Lamaxa Line - L50



- 1 Crossbeam
- 2 Tilting mechanism via push rod
- 3 Slat with motor

- 4 Pole
- 5 Middle pole

Lamaxa star system - L50



- 1 Crossbeam
- 2 Tilting mechanism via push rod
- 3 Slats

- 4 Pole
- 5 Middle pole

Planning

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Supplementary
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Slat

Slat - L50

Material	Aluminium, extruded
Surface	Powder-coated
Width	233 mm
Height	57 mm
Swivelling range	0 - 135 °

Pole

Pole - L50

Material	Aluminium, extruded
Surface	Powder-coated
Material, notes	one-piece
Width	110 mm
Height	110 mm

Installation options:

- Ground installation with frost-proof, on-site foundation.
- The grout for filling the clearance is not included in the scope of delivery when threaded rods are used.

Centre pole - L50 Line

Material	Aluminium, extruded
Surface	Powder-coated
Width	110 mm
Height	110 mm

Base plate

Base plate - L50

Material	Galvanised steel
Surface	Plain
Optional surface	Powder-coated
Width	200 mm
Height	200 mm

Crossbeam

Crossbeam - L50

Material	Aluminium, extruded
Surface	Powder-coated
Width	110 mm
Height	230 mm

Electrical distribution on the crossbeam, field c - L50

Material	Aluminium, folded
Surface	Powder-coated
Width	91,5 mm
Height	155 mm

Used as soon as one or more electronic accessory variants (e.g. LED strips, GranTex with easyZIP guidance) are selected. If no electronic accessories are selected, the connection is made by cable in the crossbeam.

Middle crossbeam - L50 Line

Material	Aluminium, extruded
Surface	Powder-coated
Width	165 mm
Height	230 mm

Drainage

Drainage point in pole - L50 Line

- Drainage through drainpipe in pole
- In order to achieve rain class 2 with an individual unit with closed slats, at least two drainage points are required for a system size > 16 m².
- For a total area of up to 54 m², three drainage points are sufficient to comply with rain class 2.
- In the case of a star system consisting of at least 4 roof crowns (2x2), only a restricted rain class can be achieved, as rain class 2 can no longer be achieved due to design limitations.

Position of drainage outlet:

- Possible on every pole
- Drainage and electronics/connecting lines must always be installed in separate poles.
- On the outsides of the poles or downward
- Min. height.: 120 mm
- Max. height: 200 mm below the headroom

Wall connection profile, optional

Wall connection profile with small rain hood

Material	Aluminium, extruded
Surface	Powder-coated
Width	54 - 65 mm
Height	48 mm
Dimensions, notes	The adjustment range in the depth between rain hood and wall connection profile is up to 11 mm.

The on-site sealing is the responsibility of the specialist partner; if necessary, the commissioning of a plumbing company is recommended.

Field of application:

- Terrea K50
- Terrea K70
- Perea P20 (up to an angle of 10°)
- Lamaxa L50/L60/L70

Console, optional

Wall console - L50

Material	Galvanised steel
Surface	Powder-coated
Width	75 mm
Height	177 mm
Depth	105 mm

- Use in corner as pole replacement.
- A maximum of two poles can be replaced by wall consoles.
- For a concrete mounting substructure; adapter plates are required for other substructures.
- The wall console protrudes 8 mm beyond the order width and order length. This results in a gap of 8 mm between the crossbeam and the wall.

➕ see "Planning requirements - L50 Line and Star unit ", Page 23

- Motor

Motor

- WMS-LP (WMS)

➕ see "Drive variants", Page 201

Colours

- WAREMA Colour World, Highlight category, fine texture surface quality
- WAREMA Colour World, Variation category, fine texture surface quality

Colours, optional:

- WAREMA Colour World

➕ see "Colours and finishes", Page 10

Notes

Limit position learning:

The WAREMA Smart programming cable is required to set the motor limit positions.

Operation and control:

To ensure comfortable and fast operation of the slat roof, we recommend WMS WebControl pro (control via smartphone, tablet, etc.) and WMS Weather station plus in order to use the control modes (e.g. sun control).To do so, a sufficiently strong radio reception must be ensured.

Number of optional extras per field:

Only one optional extra is possible per field. Either GranTex with easyZIP guidance, LED on the poles, sliding shutters with wooden or aluminium filling or the SL20e glass sliding system.

Series-mounted units:

- Generally, unit coupling (drive coupling) is not possible.
- Flush closures allow two slat roofs to be centrally mounted in-series on one common pole.
- The two slat roofs can be matched to the order width or order length (L50 Line) or to the order width and order length (L50 star unit).
- The matched roofs all close in the same direction.
- The motor is always positioned in the same place. The connecting rod is therefore always located on the same side of the crossbeam for all roofs.
- The order length or order width is dimensioned to the centre axis of the centre pole.
- The wall console can be used at any mounting point. The number of wall consoles must not exceed the number of poles.
- If the middle mounting point is selected as the wall console, a wall console is used to seat 3 crossbeams.
- The mounting of a GranTex with easyZIP guidance or LED on any side of the pole is possible. Neither is possible below the double crossbeam.
- RGB lighting of both units can be learned in to an RGB hand-held transmitter.

Supplementary accessories

- Design radiant heater
- Lamaxa lighting
- GranTex with easyZIP guidance
- Glass sliding system SL20e
- Sliding shutters - L50/L60/L70
- Additional pole - L50
- Protection profile
- Power socket

➕ see "Supplementary accessories", Page 143

Planning

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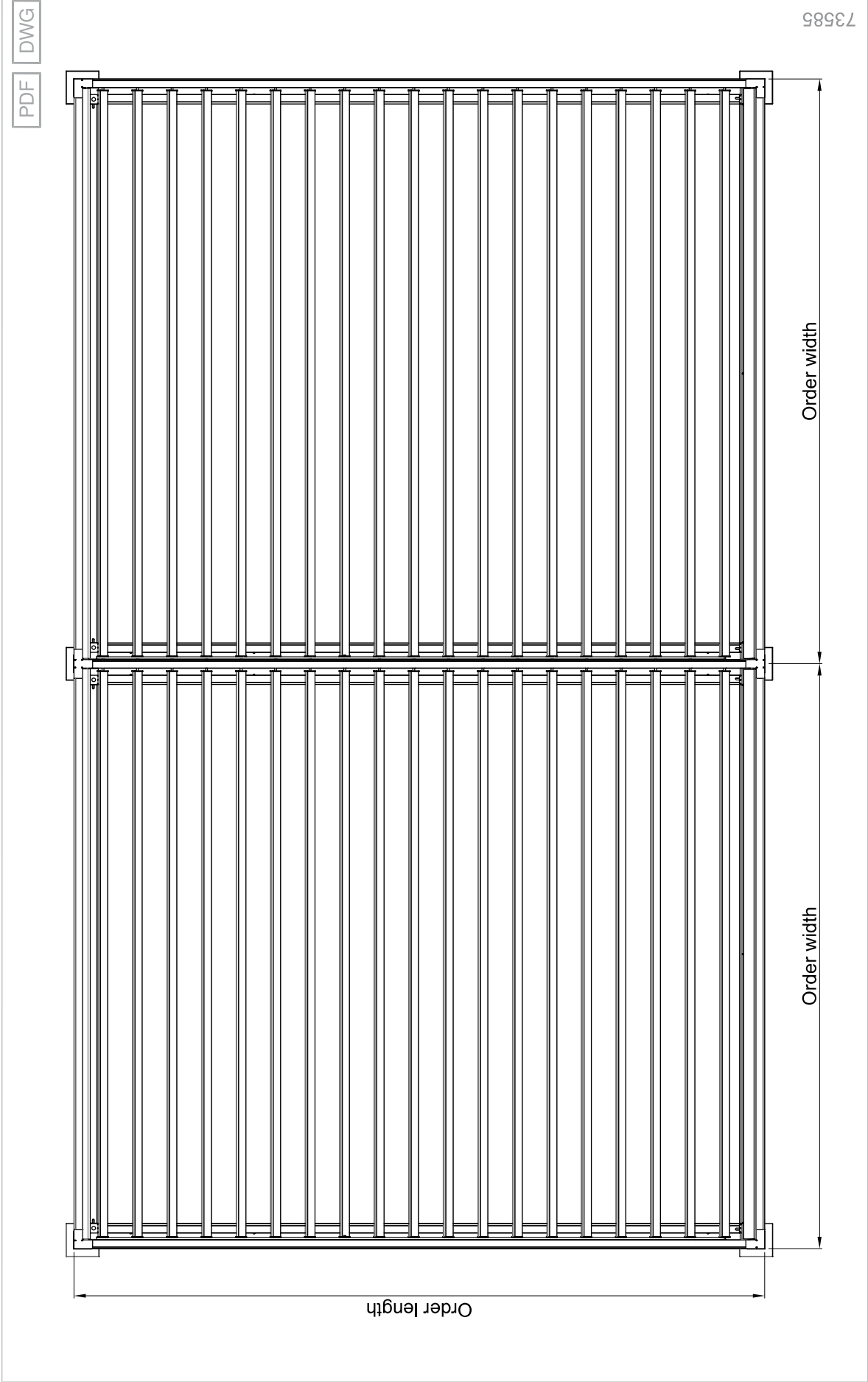
Standards

Construction limit values

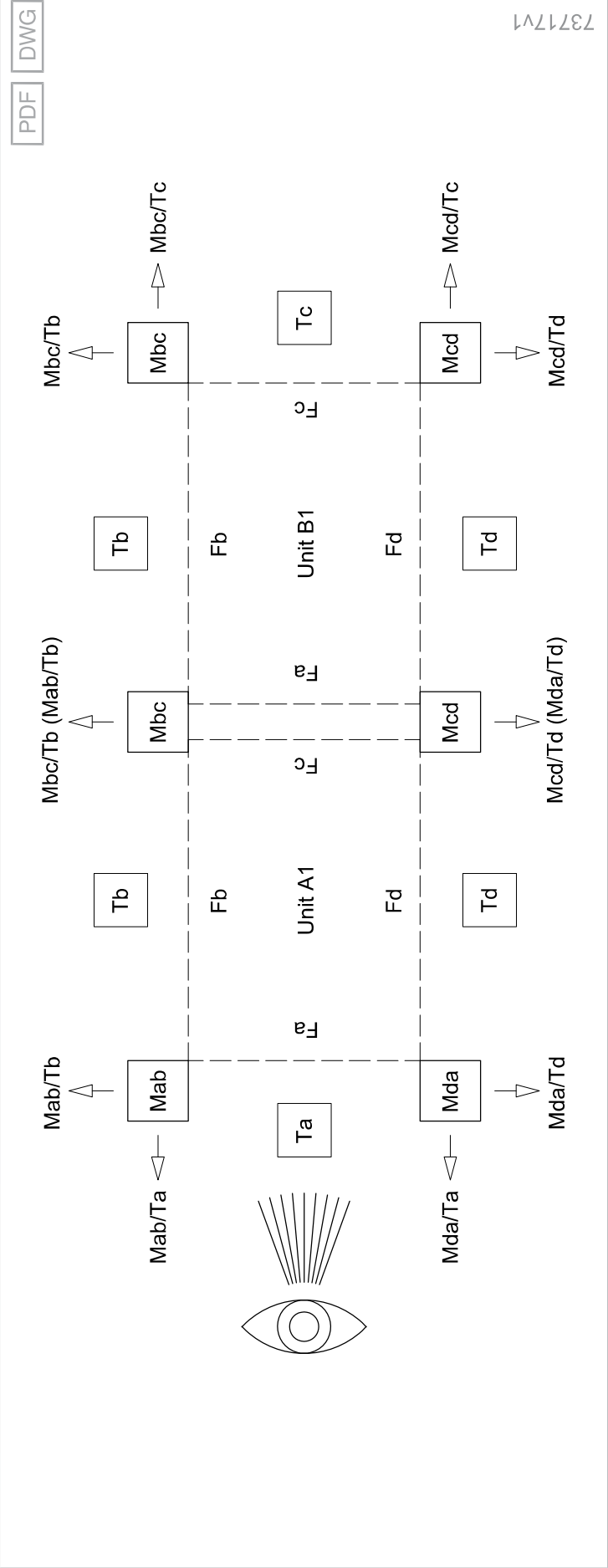
Configuration variants	Minimum		Maximum		Maximum order length	Maximum order area	Minimum headroom		Maximum headroom
	order width		order width				headroom		
Slat - L50	2500 mm		27000 mm		36000 mm	162 m²	800 mm		2700 mm

Dimension determination

The headroom of each pole can be ordered individually (e.g. in case of a sloping finished floor).

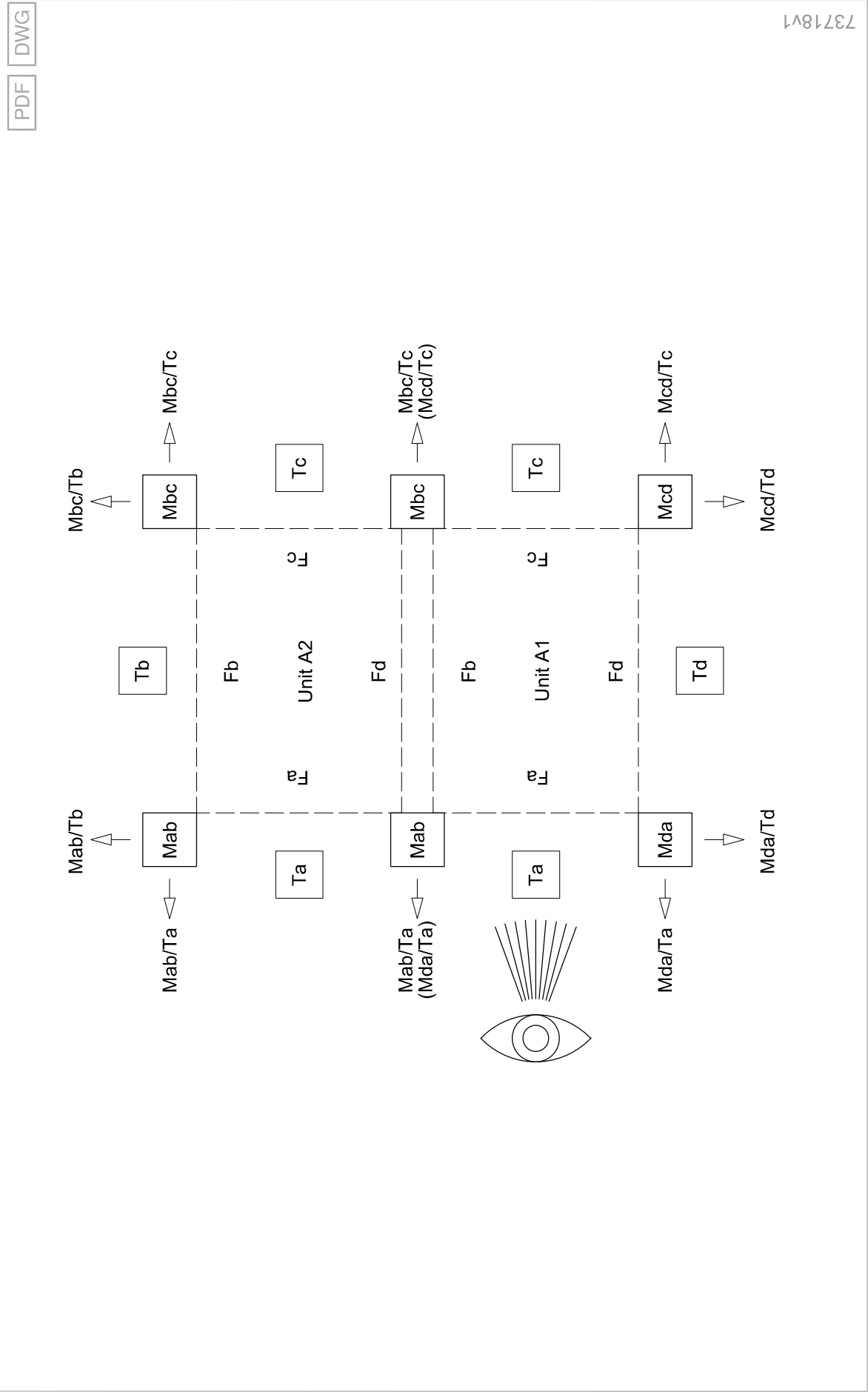


Top view of the position/connection points - Lamaxa Line L50/L60/L70



- F Field
- M Point of installation (pole or wall connection)
- T Crossbeam

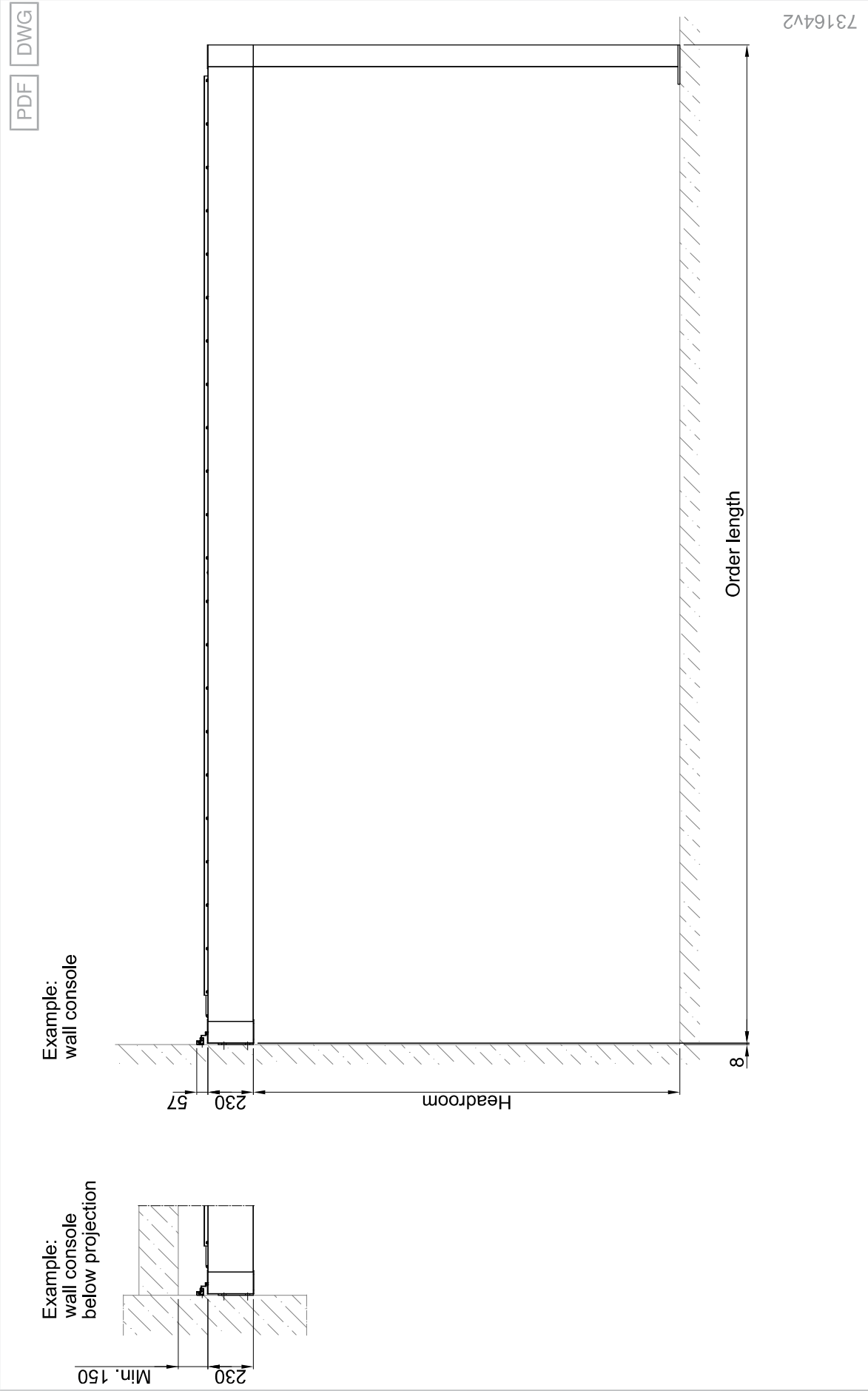
Top view of the position/connection points - Lamaxa Line L50/L60/L70



- F Field
- M Point of installation (pole or wall connection)

T Crossbeam

Side view of wall connection with wall console - L50



Example:
wall console
below projection

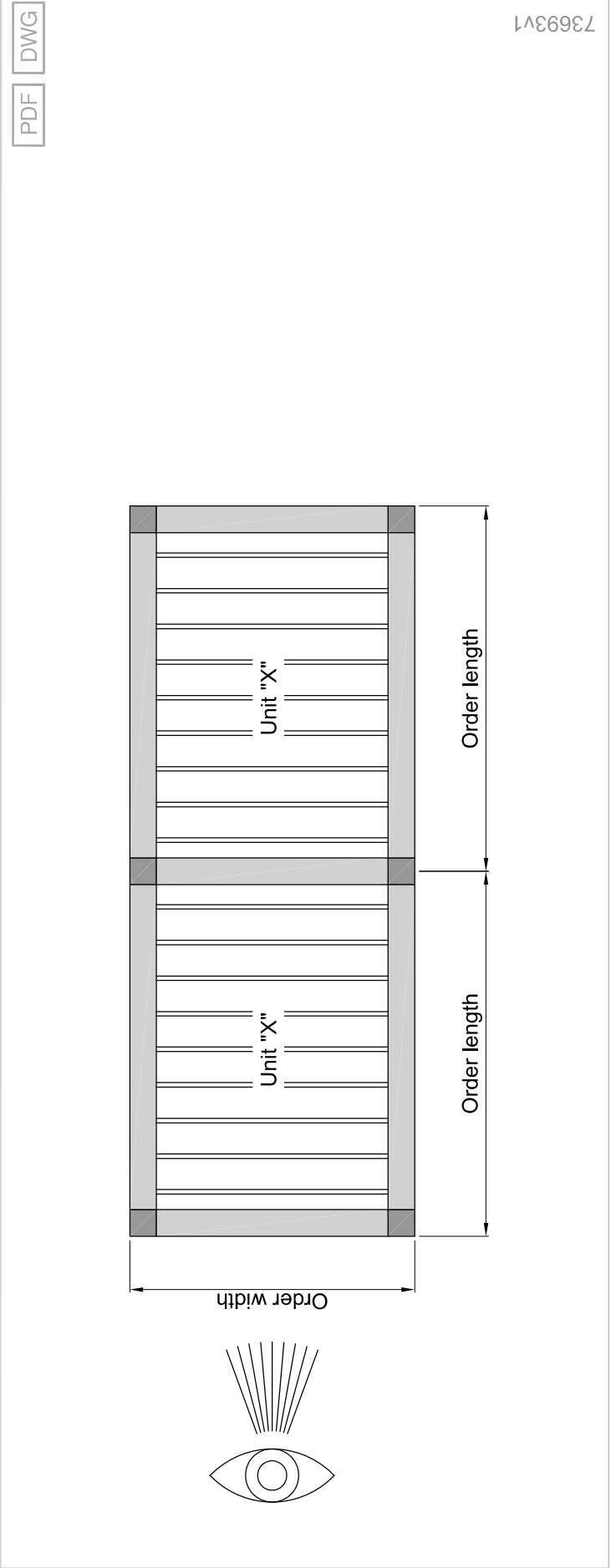
Example:
wall console

Optimum order length - Lamaxa L50 Line/star unit

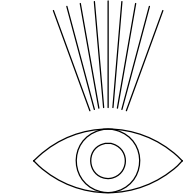
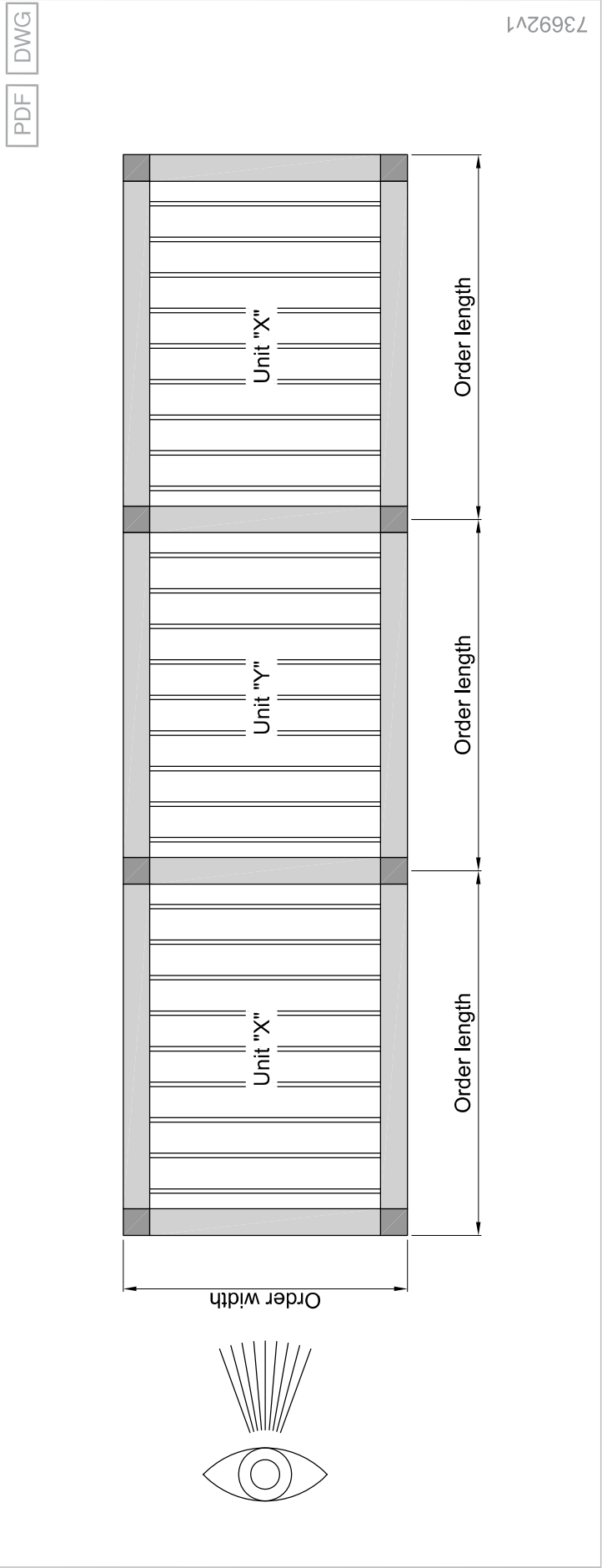
System X: Order length in mm	System Y: Order length in mm	Number of slats
2033	2005	8
2253	2225	9
2473	2445	10
2693	2665	11
2913	2885	12
3133	3105	13
3353	3325	14
3573	3545	15
3793	3765	16
4013	3985	17
4233	4205	18
4453	4425	19
4673	4645	20
4893	4865	21
5113	5085	22
5333	5305	23
5553	5525	24
5773	5745	25
5993	5965	26
6000	6000	26

The order length in the table is the dimension with the smallest possible length compensation plates and corresponds to the optimum order dimension (except order length 6000 mm). To determine the optimal order length for the L50 Line and star units, please use the following sketches for dimension determination.

L50 Line - 2 units



L50 Line - 3 to 6 units

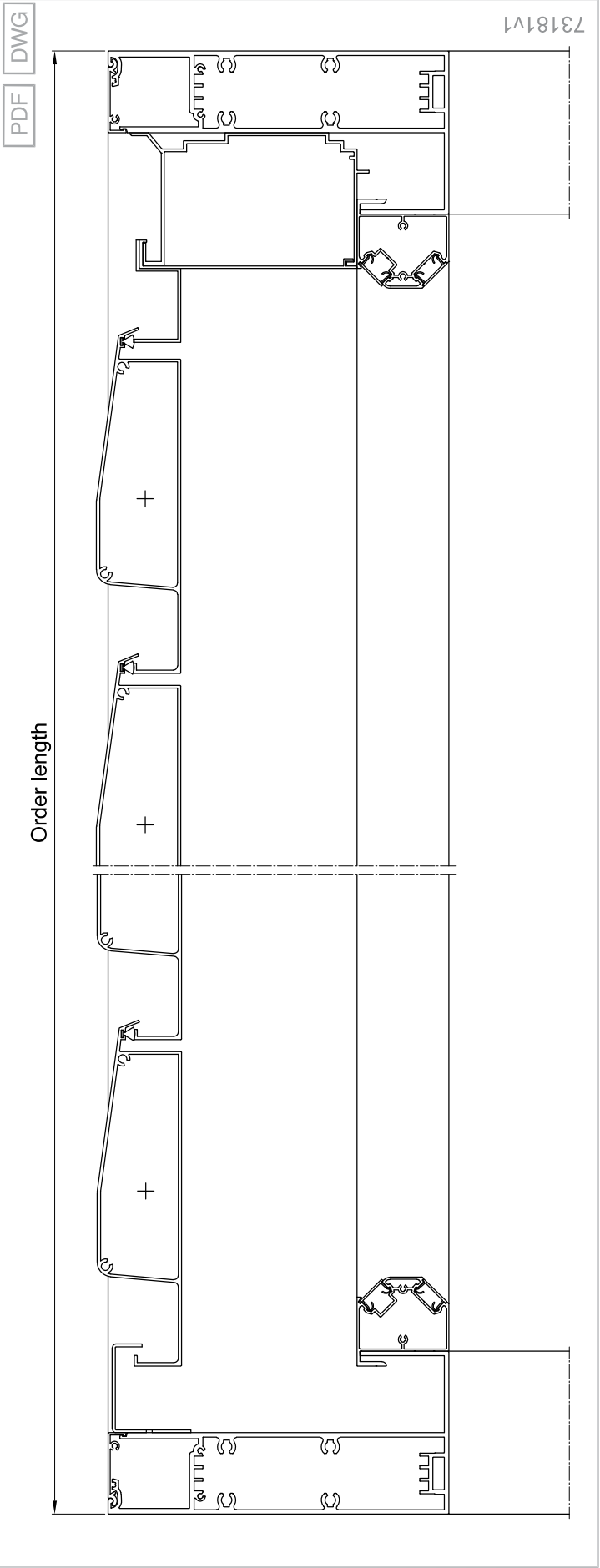


Planning

Slat roofs
Lamaza

Details

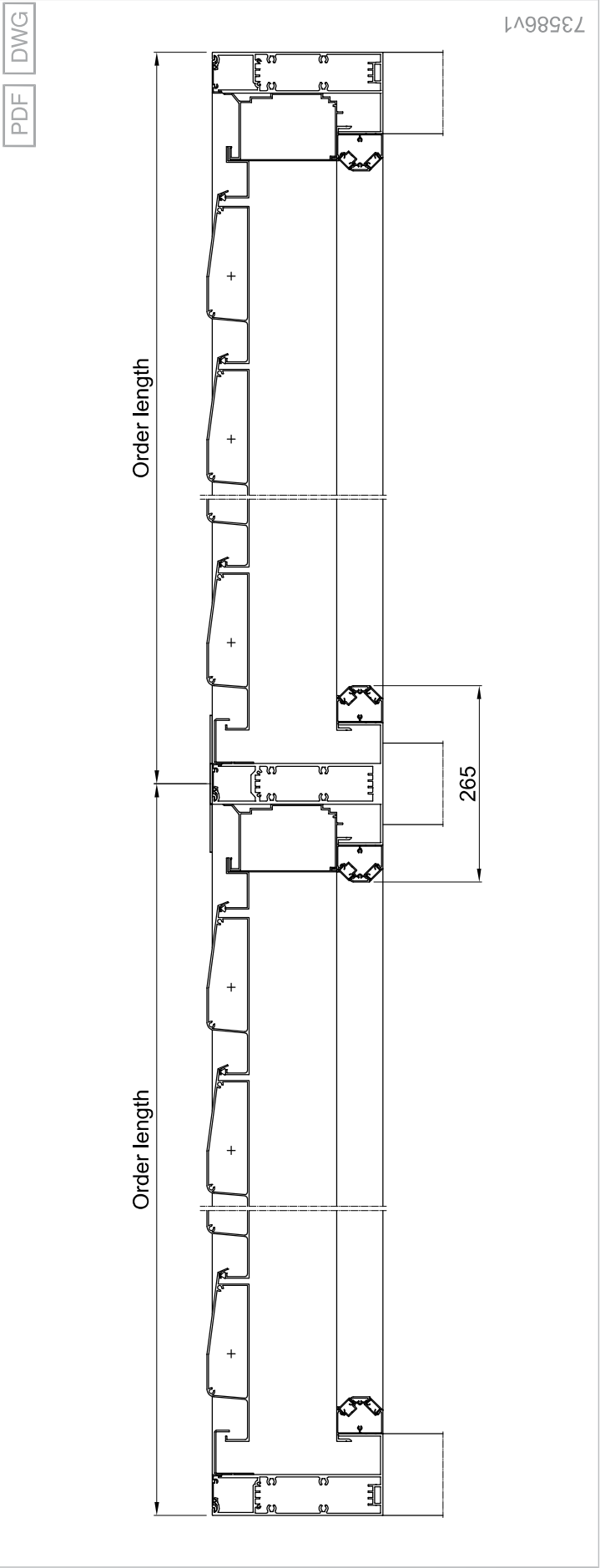
Length comparison (with connection box) - L50



Glass roofs
Lamaza

Fabric roofs
Lamaza

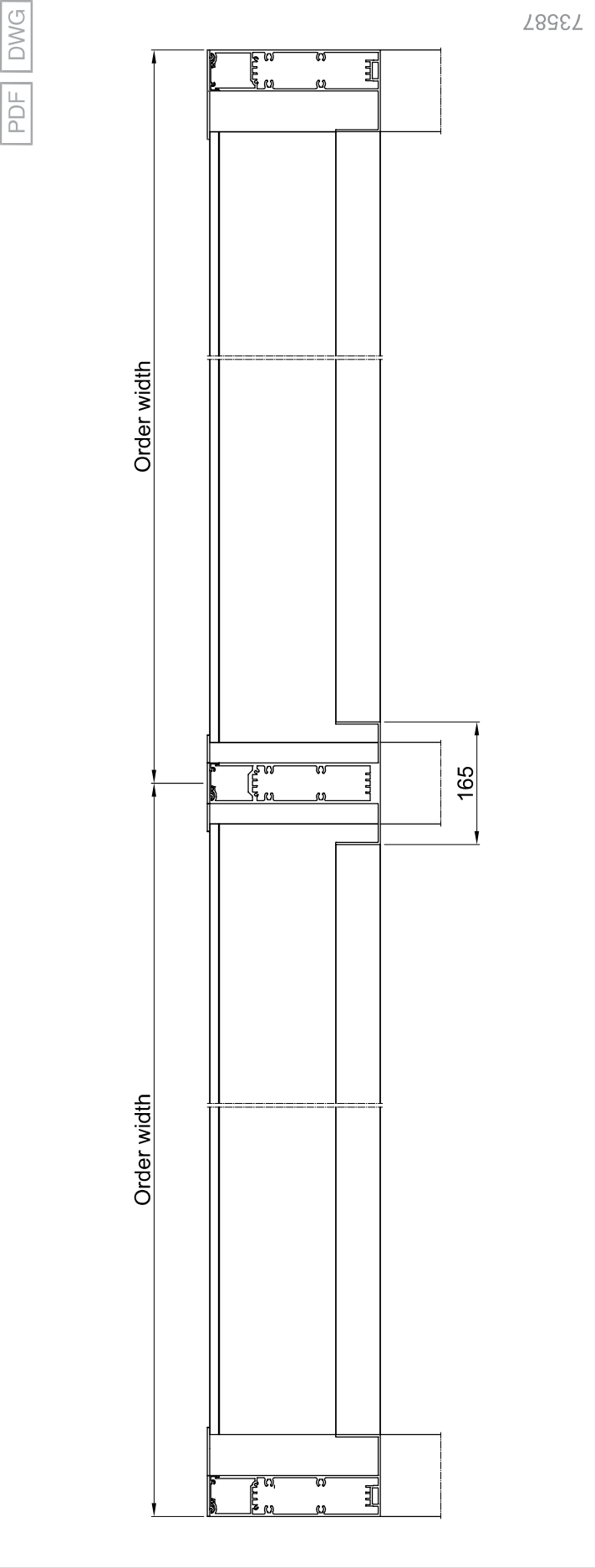
Joint order width - L50 Line



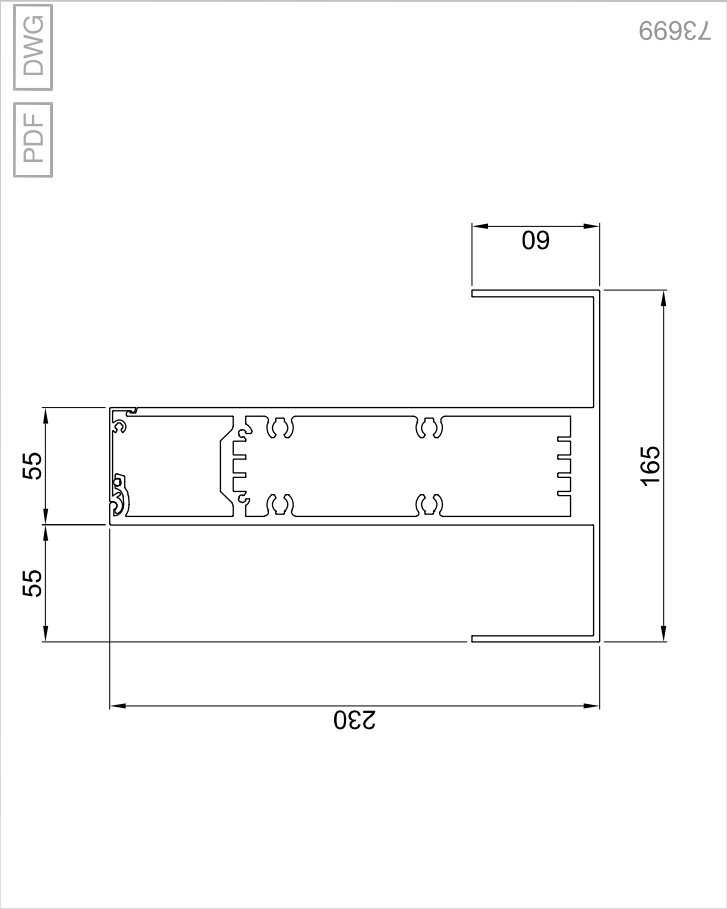
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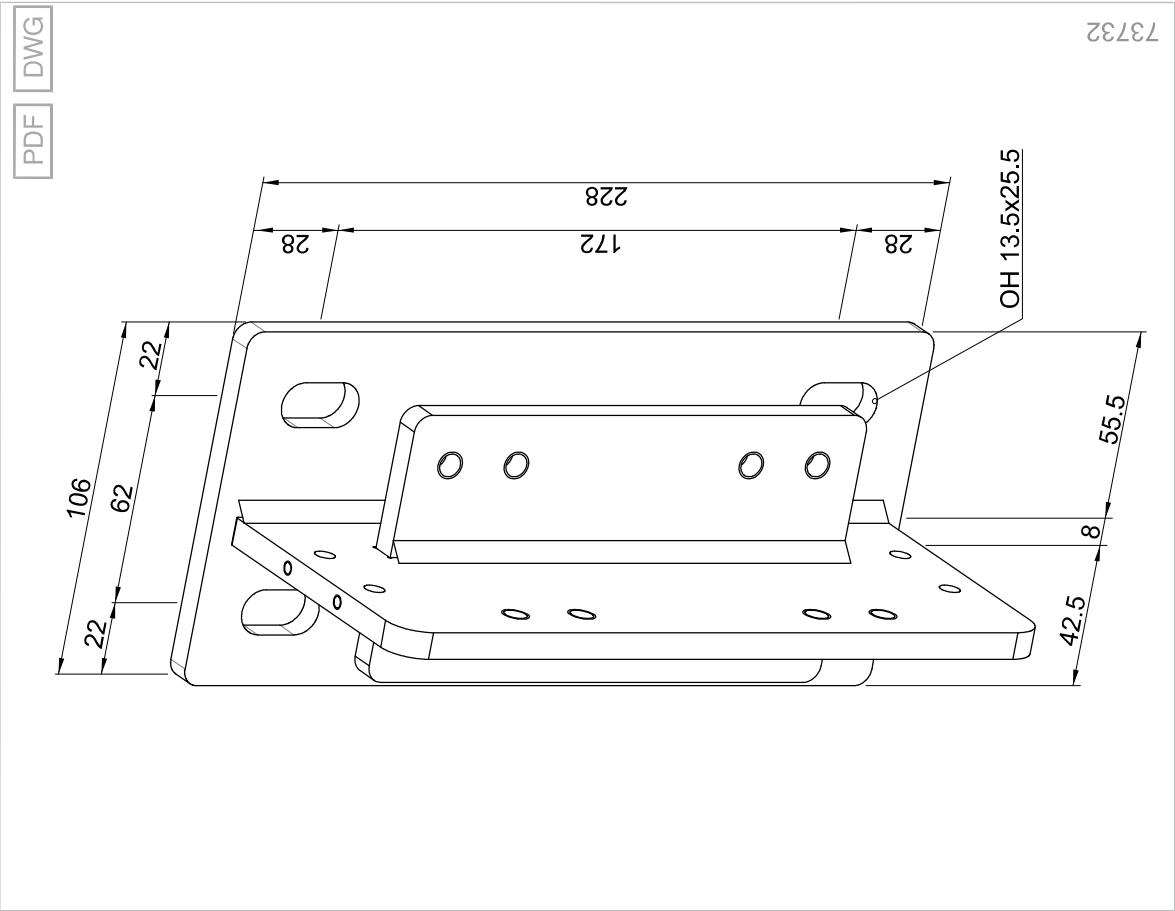
Joint order length - L50 Line

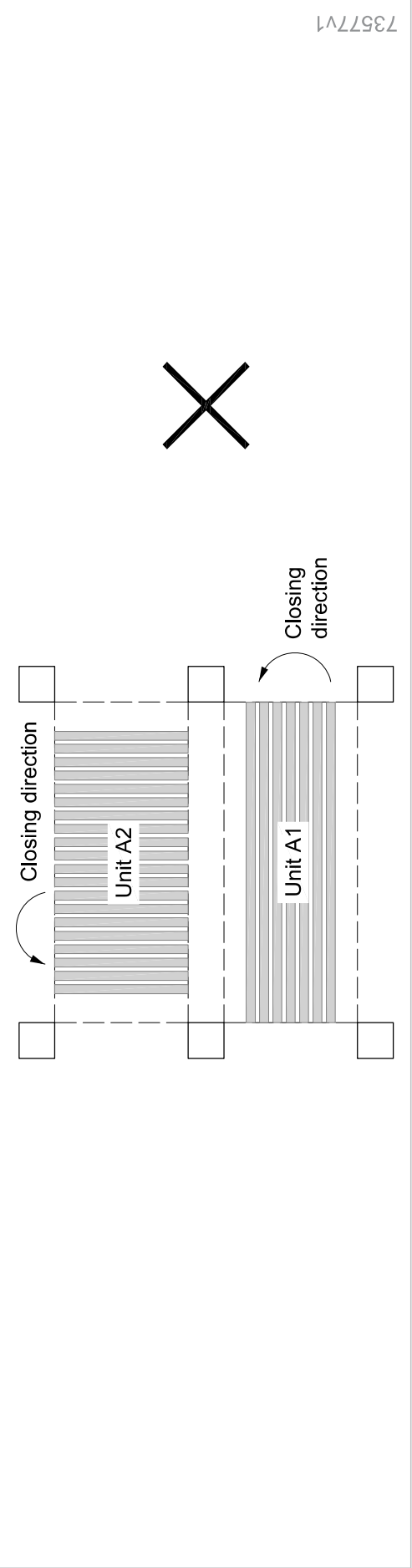
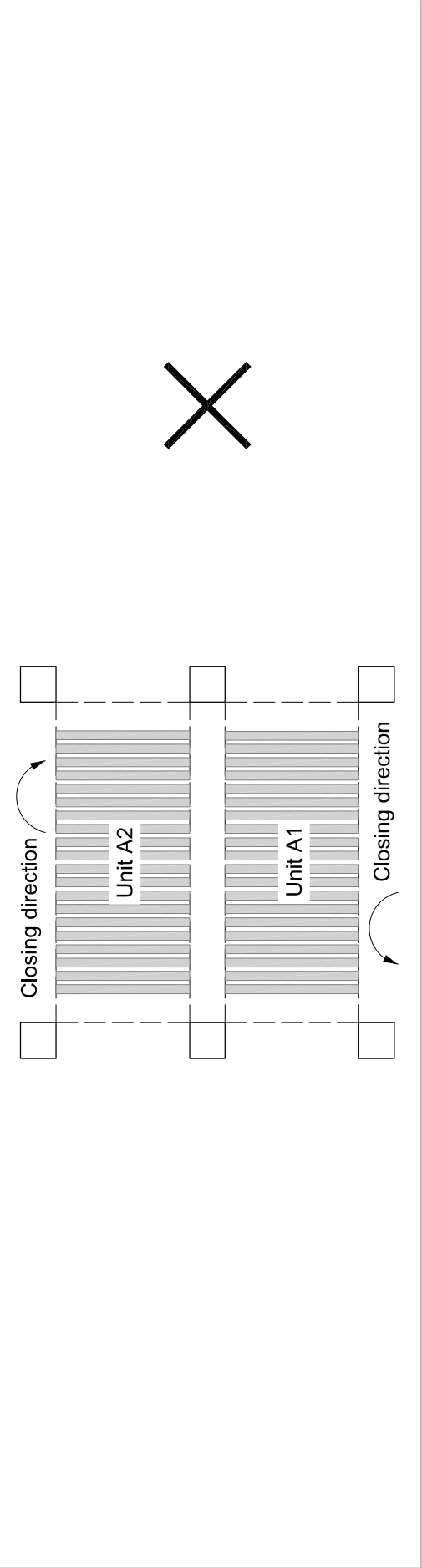
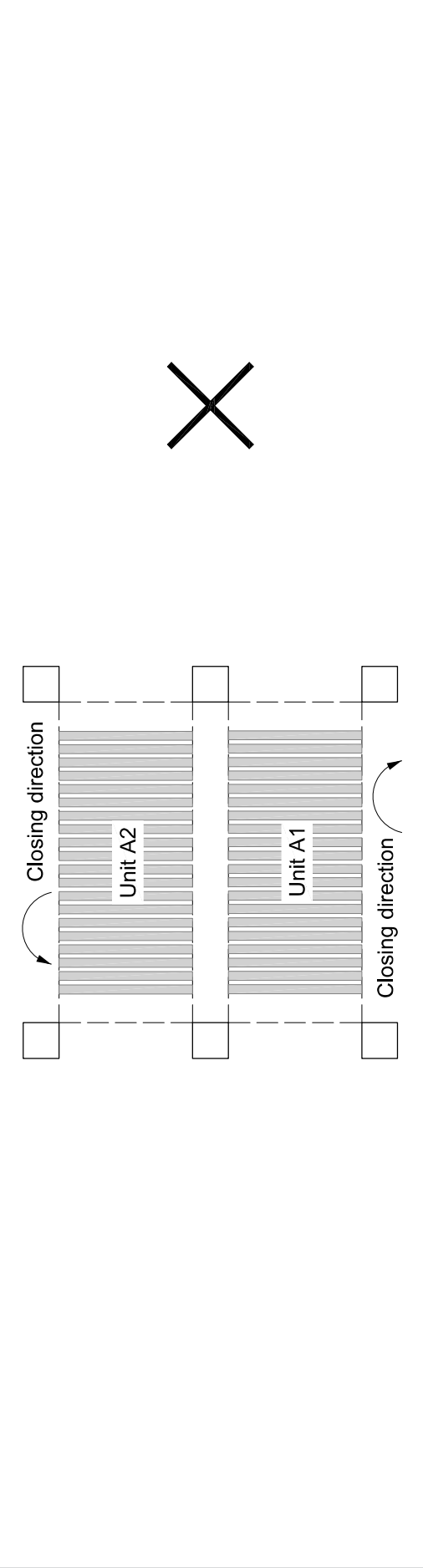
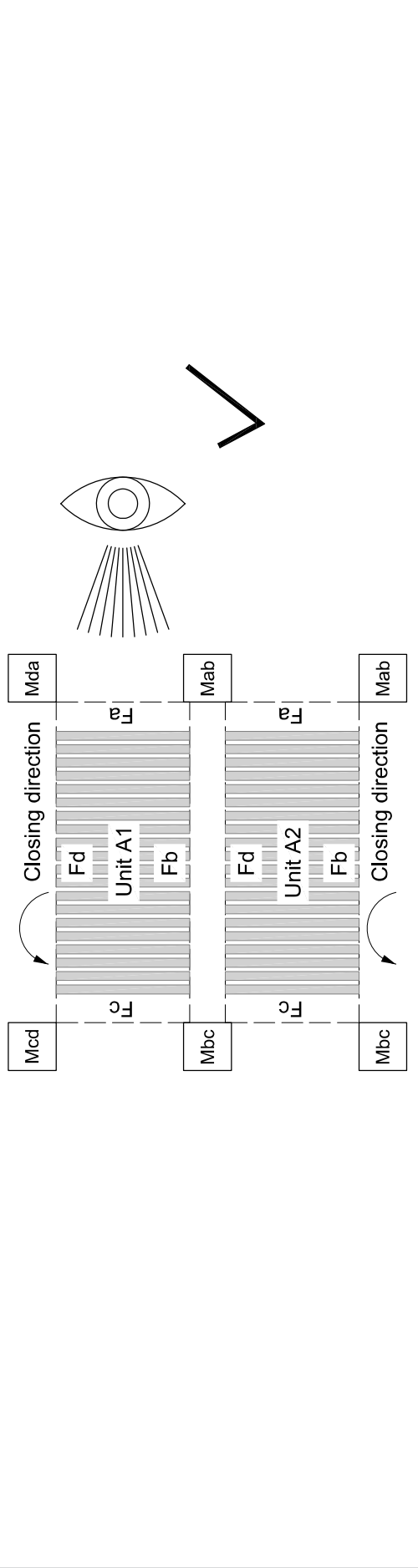
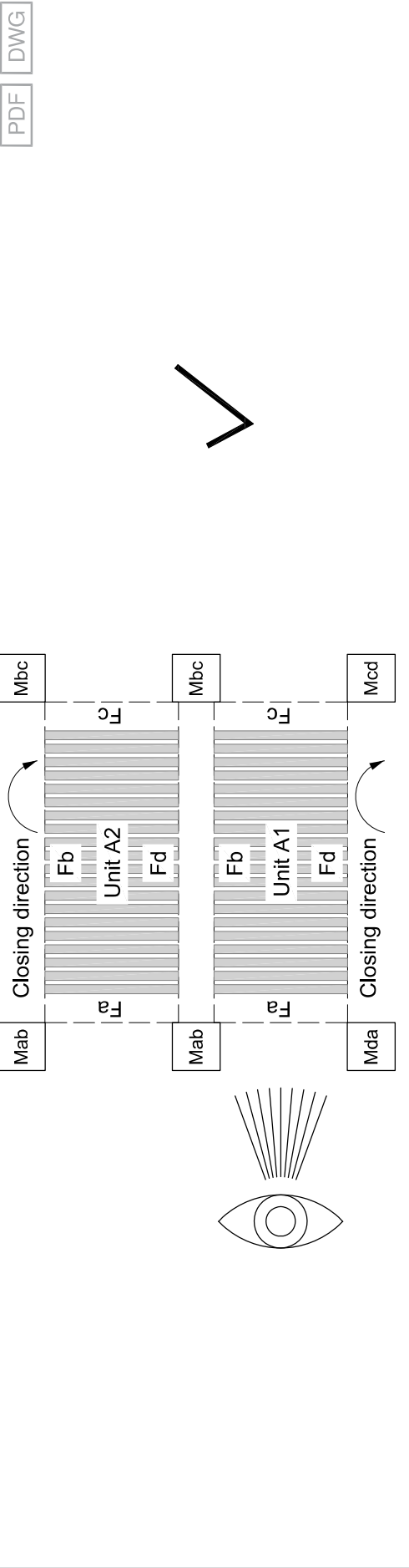


Middle crossbeam - L50 Line



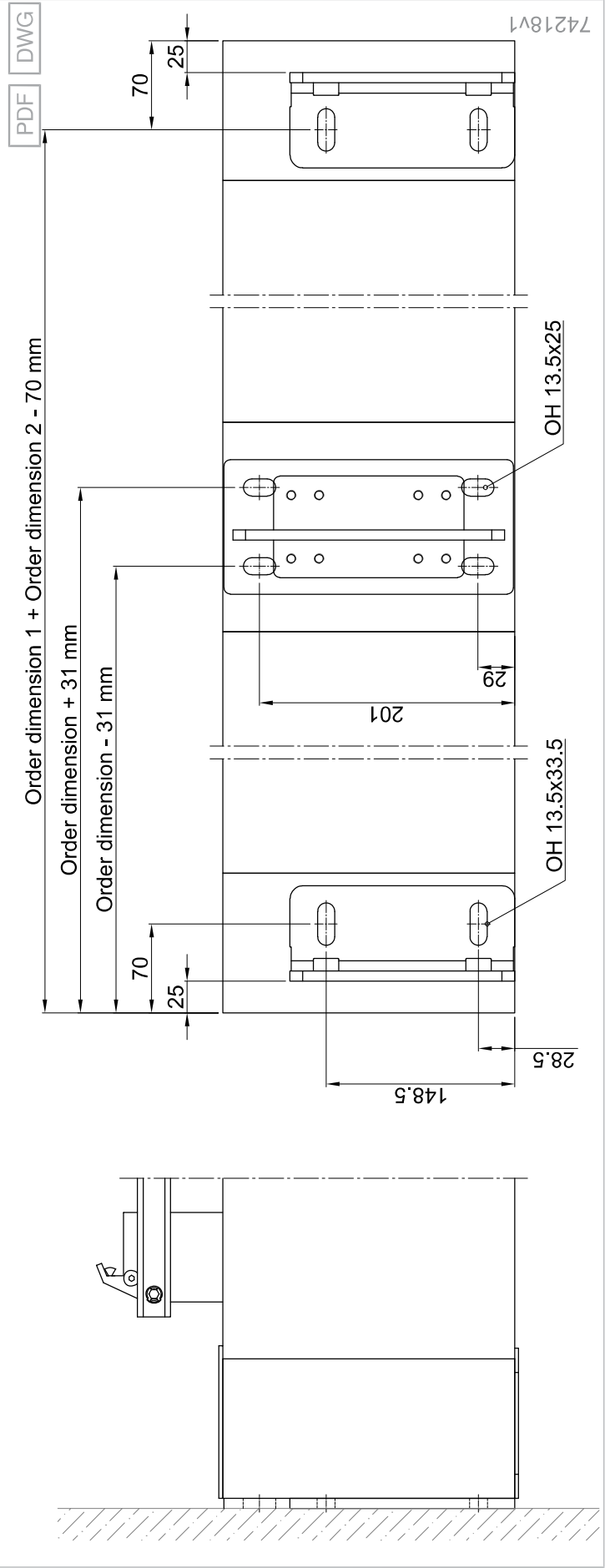
Wall console - L50 Line





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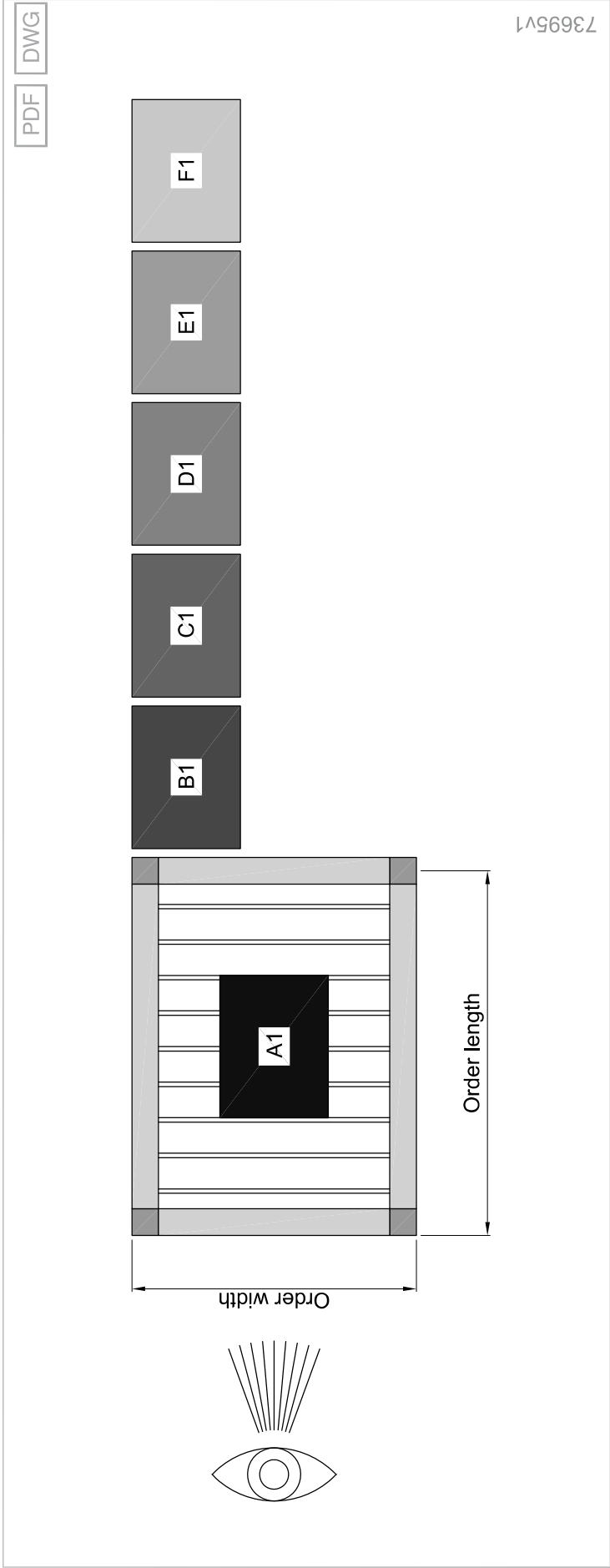
Side view of wall connection - L50 Line/star unit



Planning

Slat roofs
Lamaxa

Starting point positioning example 1 - L50 Line



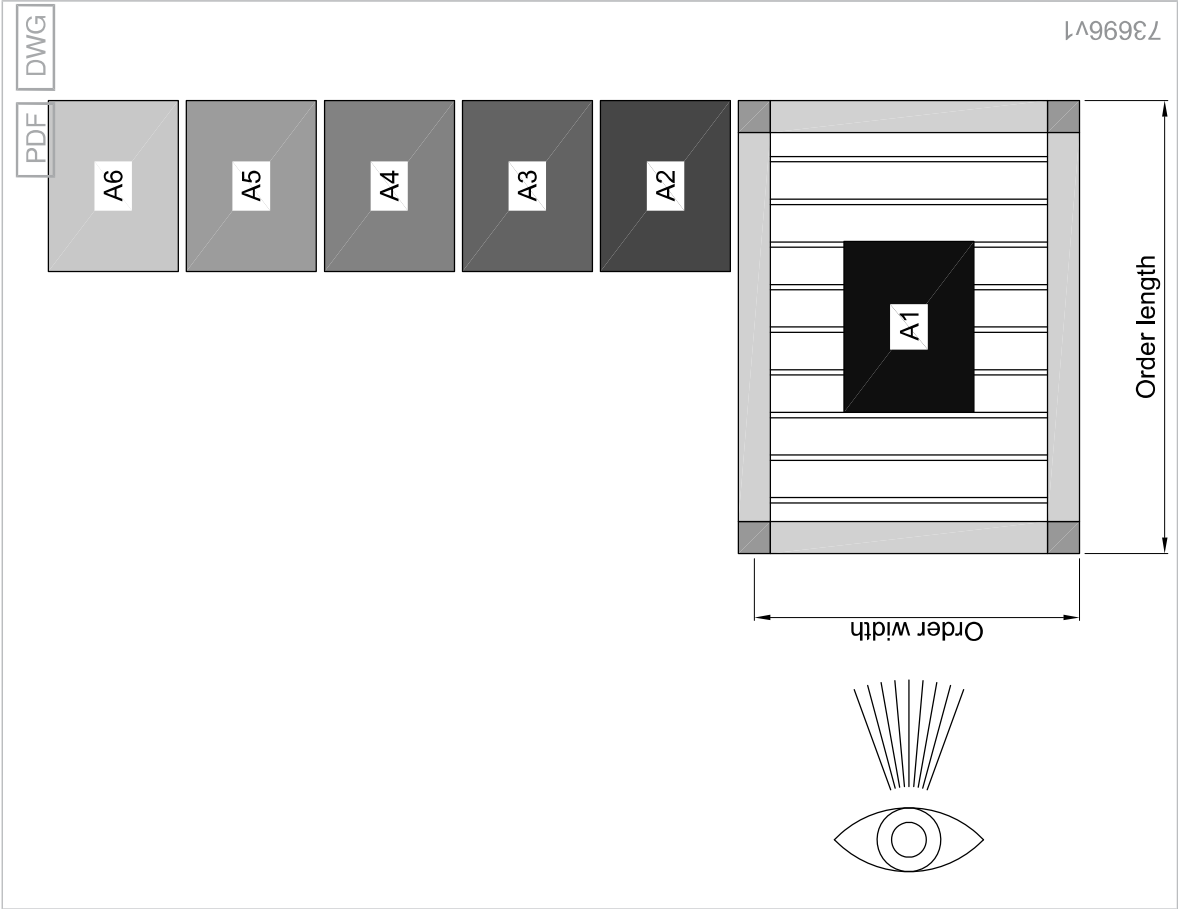
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Lamaxa

Fabric roofs
Lamaxa

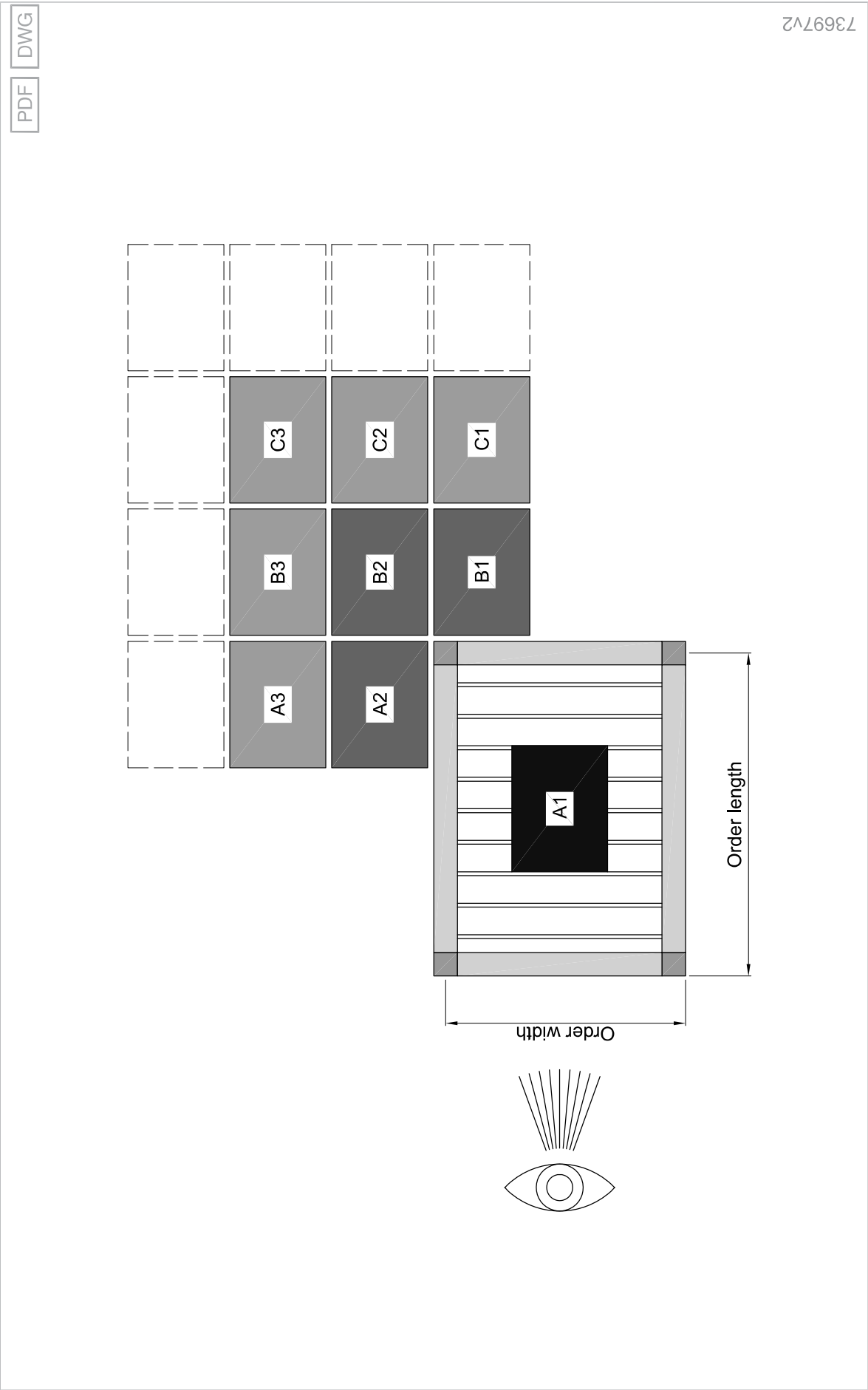
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Starting point positioning example 2 - L50 Line



Starting point positioning example 3 - L50 star system





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Glass roofs Lamaxa

Glass roofs Lamaxa L50 View

Design-focused

Year-round weather protection with style: The Cubic Line offers the most slender cubic roof on the market - complemented by perfectly coordinated brackets as well as a custom-fit awning.

Expansive

Large protected area with lots of light: The self-supporting glass roof covers areas up to 6 m in width and 4.5 m in length - with 4 poles or with 2 poles when connected to the wall.

Optional additions

Lateral protection and lighting as a practical addition: Flush integration of glass sliding systems, sliding shutters or textile GranTex with easyZIP guidance protect the glazed area from prying eyes, wind and weather. Flush-mounted LEDs in the rafter optimally illuminate the area.

Construction limit values

Maximum order width	7000 mm
Maximum order length	4500 mm
Maximum order area	31.5 m ²

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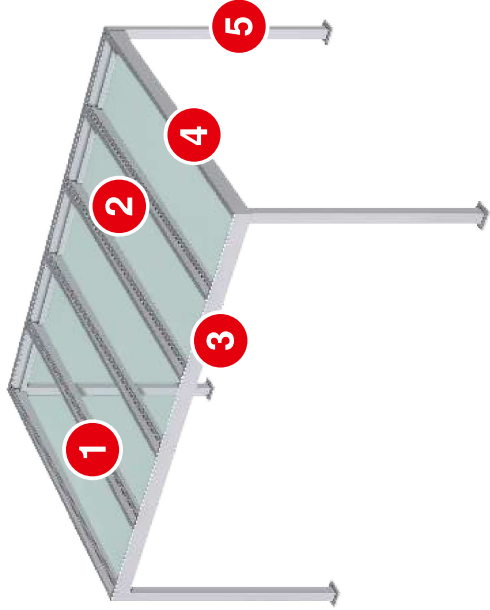
WAREMA tools

[Sun Shading Planner](#)

[see "Navigating the document", Page 5](#)

Components

Glass roof Lamaxa L50 View



- | | | | |
|---|--|---|-------------|
| 1 | Rafters | 4 | Edge rafter |
| 2 | Glass covering (not included in the scope of delivery) | 5 | Pole |
| 3 | Crossbeam | | |

Rafters

Rafter - L50 View

Material	Aluminium, extruded
Surface	Powder-coated
Material, notes	With glass support profile for 10 mm or 12 mm laminated safety glass.
Width	55 mm
Length	200 mm

Edge rafter - L50 View

Material	Aluminium, extruded
Surface	Powder-coated
Material, notes	With glass support profile for 10 mm or 12 mm laminated safety glass.
Width	108 mm
Height	200 mm

Pole

Pole - L50

Material	Aluminium, extruded
Surface	Powder-coated
Material, notes	one-piece
Width	110 mm
Height	110 mm

Installation options:

- Ground installation with frost-proof, on-site foundation.
- The grout for filling the clearance is not included in the scope of delivery when threaded rods are used.

Base plate

External base plate - L50 View

Material	Galvanised steel
Surface	Plain
Width	200 mm
Height	200 mm

Reinforced corner base plate - L50 View

Material	Galvanised steel
Surface	Plain
Optional surface	Powder-coated
Width	375 mm
Height	375 mm

Crossbeam

Crossbeam - L50 View

Material	Aluminium, extruded
Surface	Powder-coated
Width	110 mm
Height	200 mm

As soon as one or more electronic accessory variants (e.g. LED strips, GranTex with easyZIP guidance) are selected, the electrical distribution is performed in a plane on crossbeam a that does not convey water.

Drainage

Drainage point in pole - L50 View

- Drainage through drainpipe in pole
- In order to achieve rain class 2, at least one drainage point is required for a unit size smaller than 16 m² and at least two drainage points for a unit size ≥ 16 m². If the minimum number of drainage points is not observed, rain class 2 is not achieved.

Position of drainage outlet:

- Possible on every pole in field c
- Drainage and electronics/connecting lines must always be installed in separate poles.
- On the outsides of the poles or downward
- Height: 120 mm to 200 mm
- From 300 mm to 200 mm below the headroom

Wall connection profile, optional

Wall connection profile with small rain hood

Material	Aluminium, extruded
Surface	Powder-coated
Width	54 - 65 mm
Height	48 mm
Dimensions, notes	The adjustment range in the depth between rain hood and wall connection profile is up to 11 mm.

The on-site sealing is the responsibility of the specialist partner; if necessary, the commissioning of a plumbing company is recommended.

Field of application:

- Terrea K50
- Terrea K70
- Perea P20 (up to an angle of 10°)
- Lamaxa L50/L60/L70

Colours

- WAREMA Colour World, Individual category, fine texture surface quality
- WAREMA Colour World, Highlight category, fine texture surface quality
- WAREMA Colour World, Variation category, fine texture surface quality

Colours, optional:

- WAREMA Colour World

+ see "Colours and finishes", Page 10

Construction limit values

Configuration variants	Snow load	Minimum order width	Maximum order width	Minimum order length	Maximum order length	Maximum order area	Minimum headroom	Maximum headroom
Lamaxa glass roofs								
Glass roofs Lamaxa L50 View	85 kg/m²	2500 mm	7000 mm	2000 mm	4500 mm	31,5 m²	800 mm	2700 mm
Glass roofs Lamaxa L50 View	125 kg/m²	2500 mm	7000 mm	2000 mm	4500 mm	31,5 m²	800 mm	2700 mm
Glass roofs Lamaxa L50 View	200 kg/m²	2500 mm	6000 mm	2000 mm	4500 mm	27 m²	800 mm	2700 mm
Glass roofs Lamaxa L50 View	400 kg/m²	2500 mm	6000 mm	2000 mm	4200 mm	25,2 m²	800 mm	2700 mm

Following enquiry, deviations from the standard construction limit values are possible (within limits), versions with snow loads of 200 kg/m² and up to 400 kg/m² are also possible on enquiry.

Snow load:

- Snow load 85 kg/m²: from an order width of 6001 mm, a third pole is required.
- Snow load 125 kg/m²: from an order width of 5501 mm, a third pole is required.
- Snow load 200 kg/m²: from an order width of 4701 mm, a third pole is required.
- Snow load 400 kg/m²: from an order width of 3701 mm, a third pole is required.

Headroom/pole height:

- The minimum height for poles with drainage is 800 mm.
- The minimum height for poles without drainage is 800 mm.
- The maximum pole height (headroom plus floor recess) is ≤ 3000 mm.

Notes

Cleaning:

Due to the cubic shape, regular cleaning of the roof is necessary.

Operation and control:

To ensure comfortable and fast operation of accessory equipment such as a Climara W10 or W20, the slat roof, we recommend WMS WebControl pro (control via smartphone, tablet, etc.) and WMS Weather station plus in order to use the control modes (e.g. sun control).To do so, a sufficiently strong radio reception must be ensured.

Number of optional extras per field:

Only one optional extra is possible per field. Either GranTex with easyZIP guidance, LED on the poles, sliding shutters with wooden or aluminium filling or the SL20e glass sliding system.

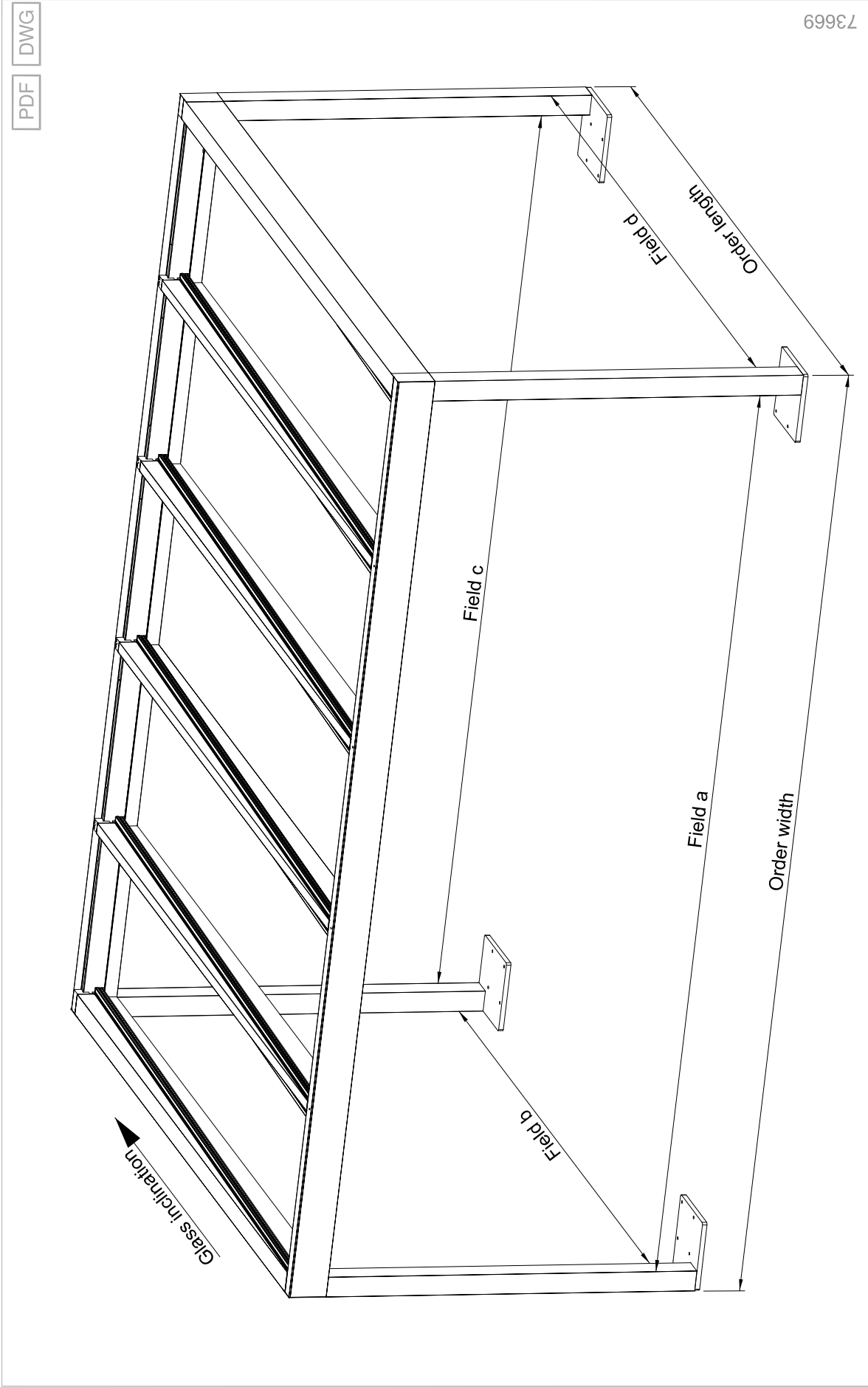
Supplementary accessories

- Design radiant heater
- GranTex with easyZIP guidance
- Additional pole - L50
- Glass sliding system SL20e
- Sliding shutters - L50/L60/L70
- Lamaxa lighting
- Conservatory awnings Climara W10
- Conservatory awnings Climara W20

+ see "Supplementary accessories", Page 143

Dimension determination

Field definition - L50 View



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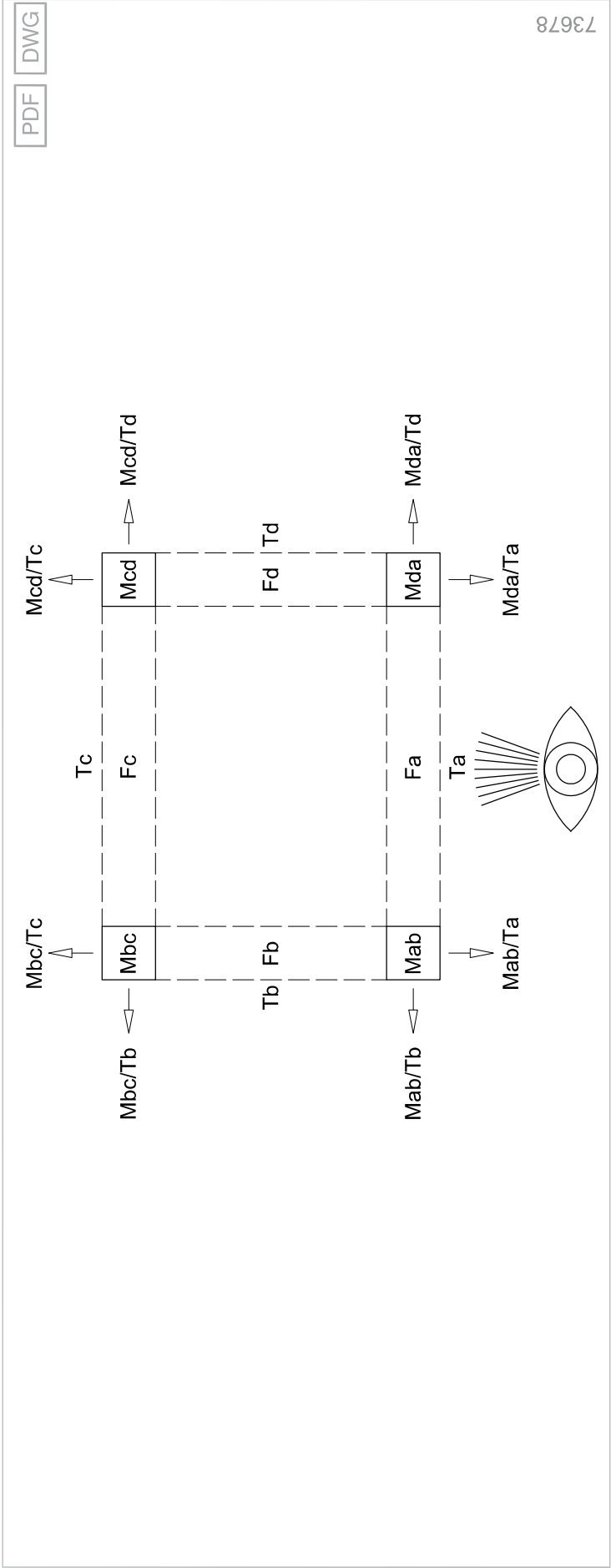
Glass roofs
Lamaxa

Fabric roofs
Lamaxa

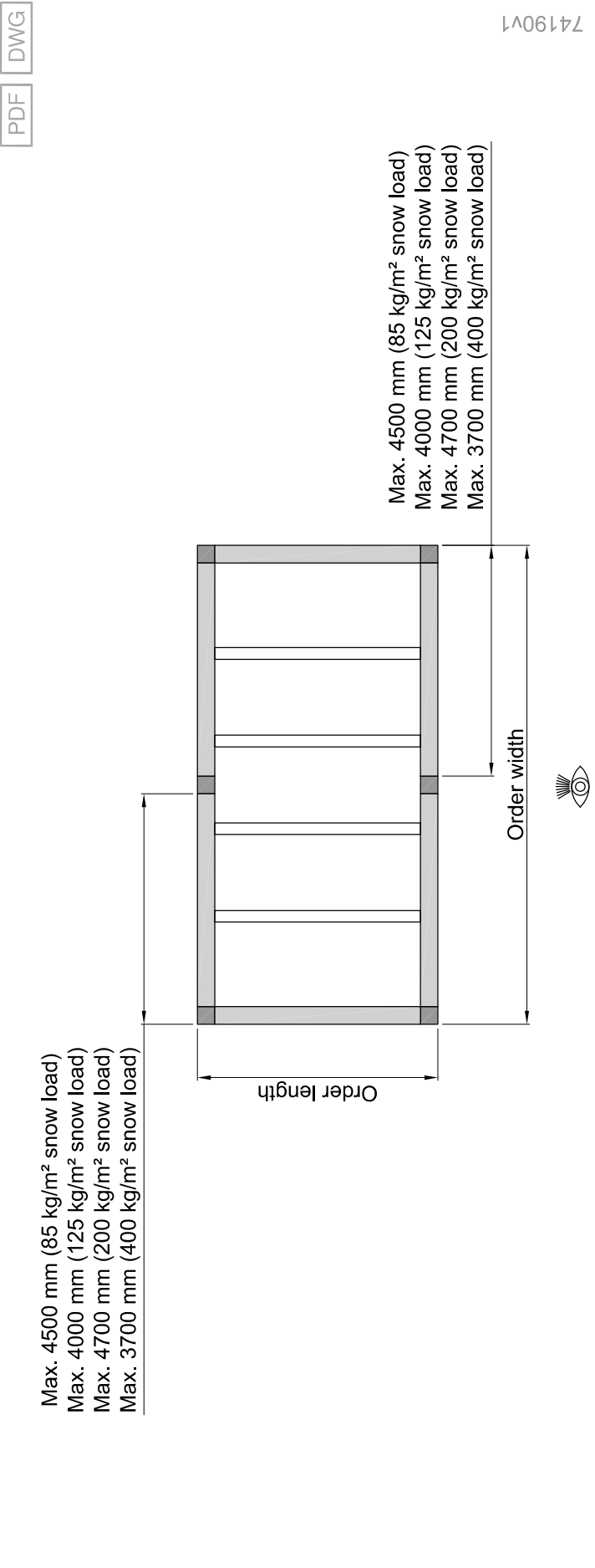
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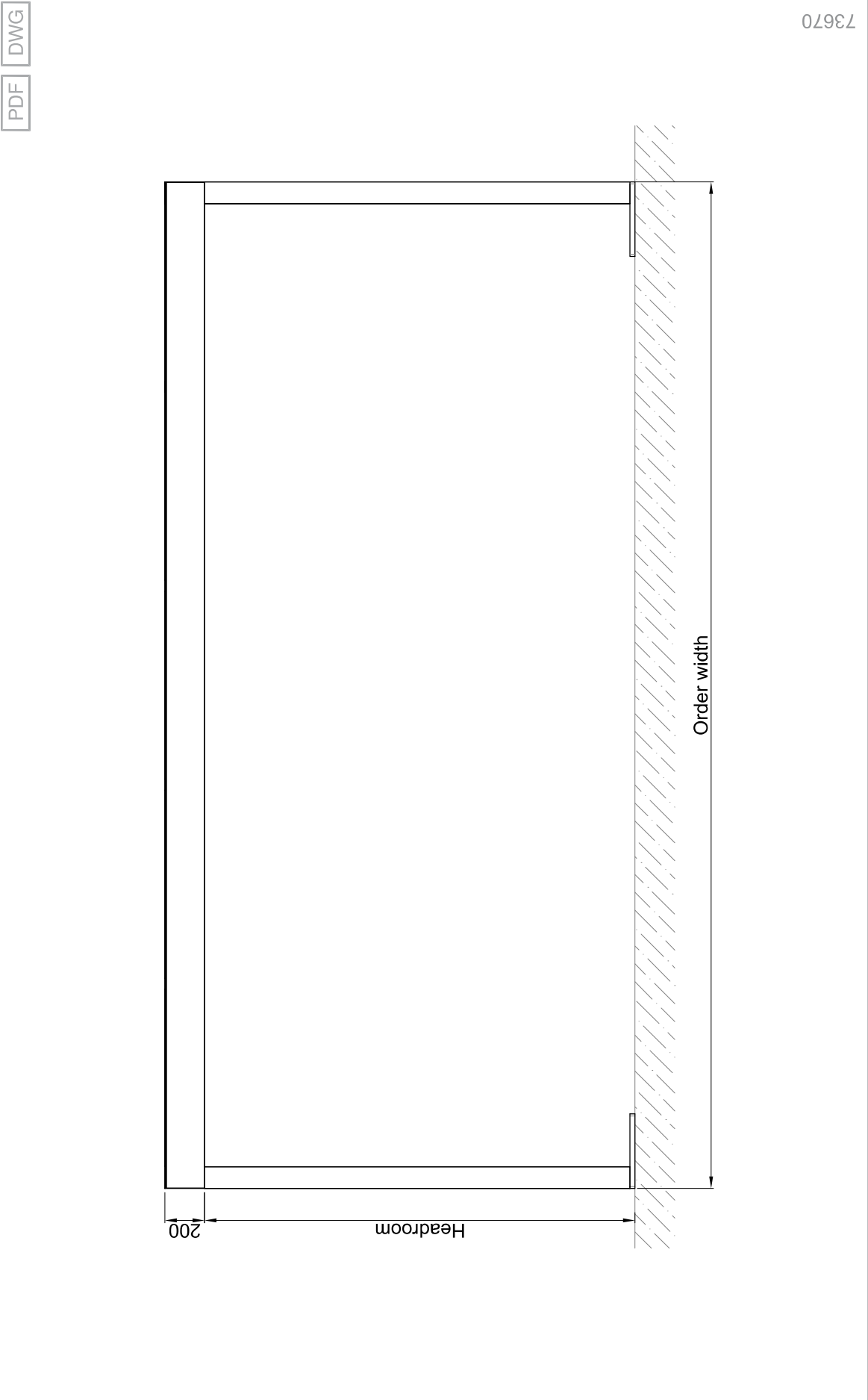
Top view of fields and poles - L50 View



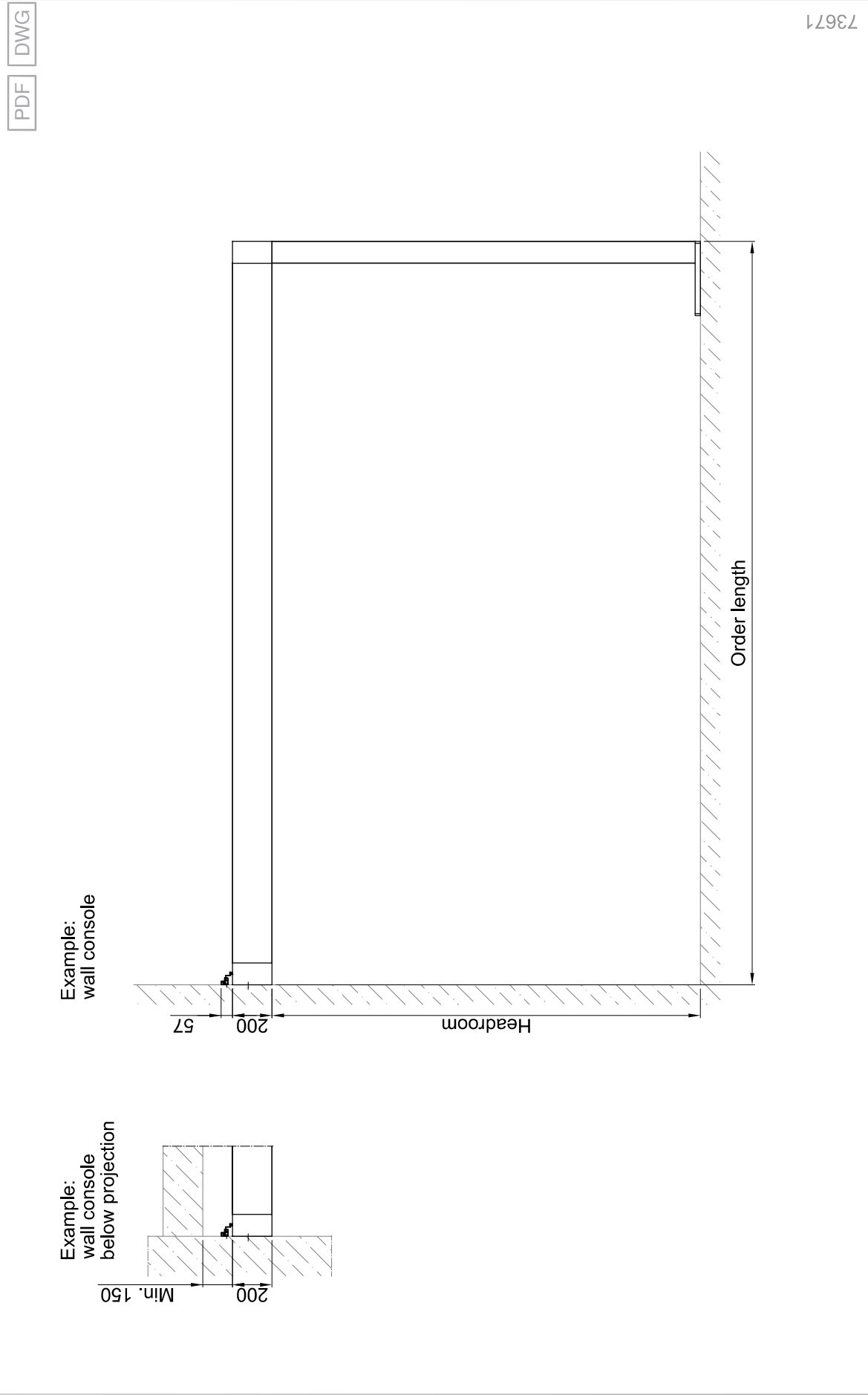
Permissible offsets for additional pole - L50 View



Side view - L50 View



Side view of wall connection - L50 View

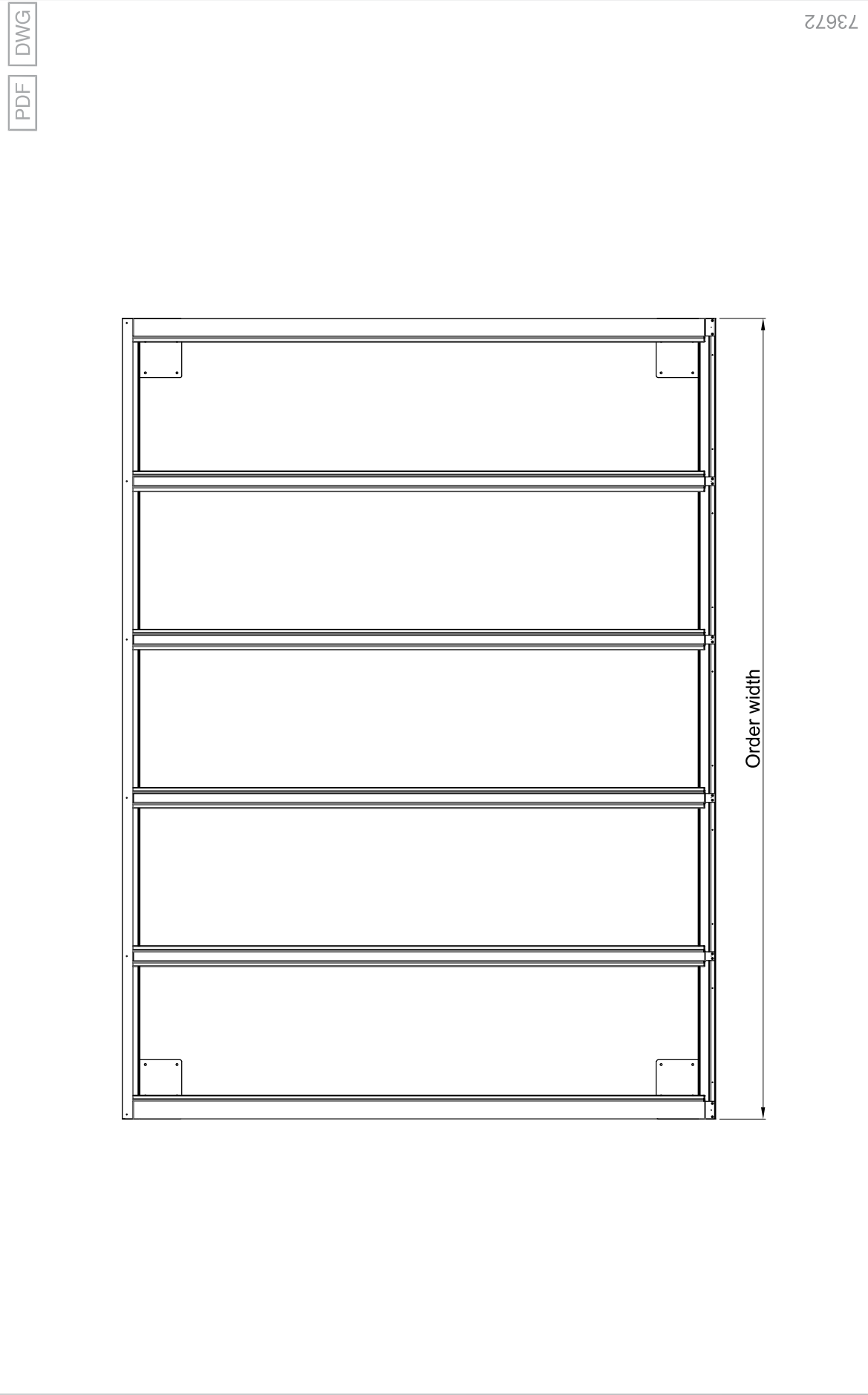


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Slat roofs
Lamaxa

Glass roofs
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Top view for individual units - L50 View

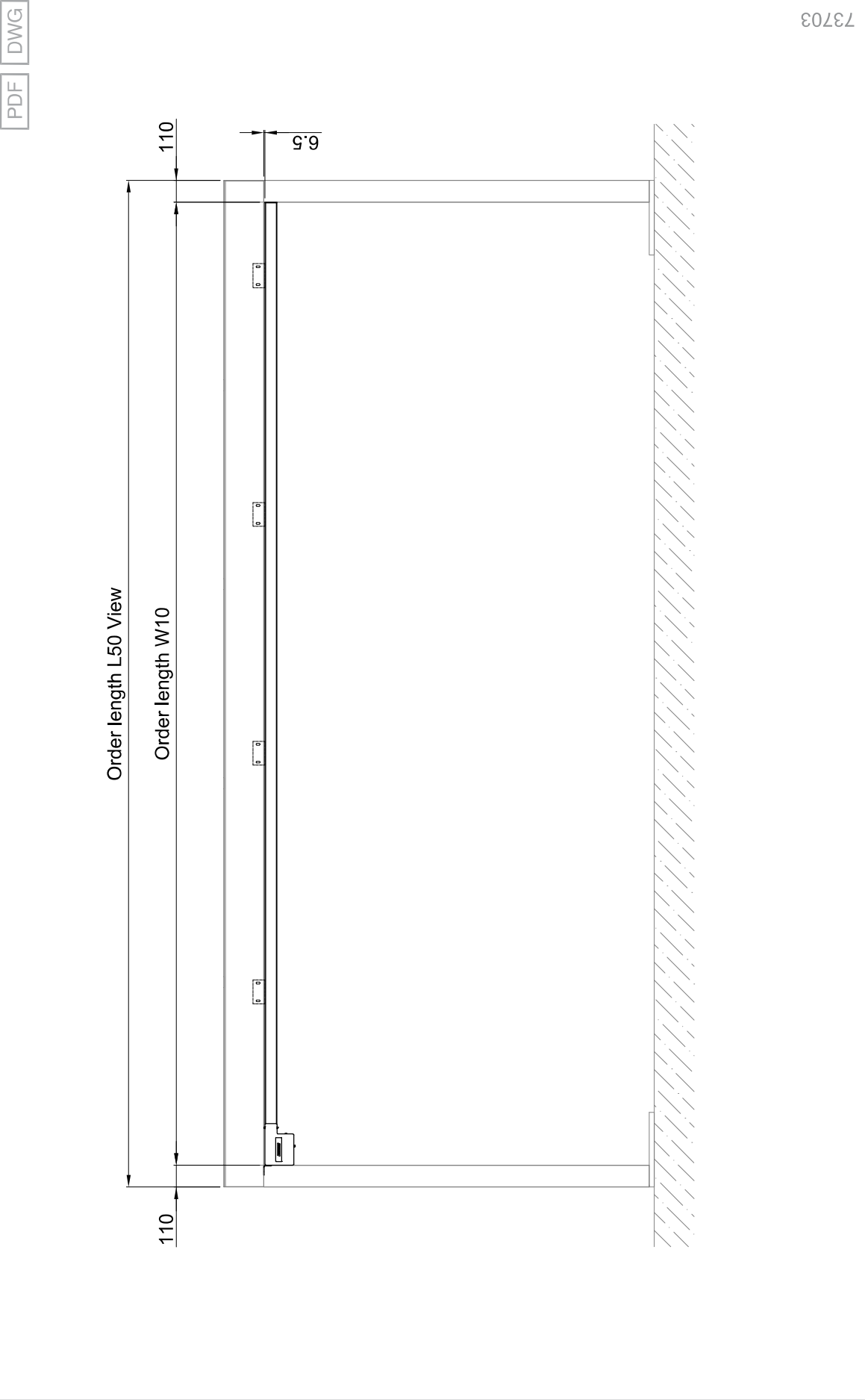


Fabric roofs
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Supplementary
accessories

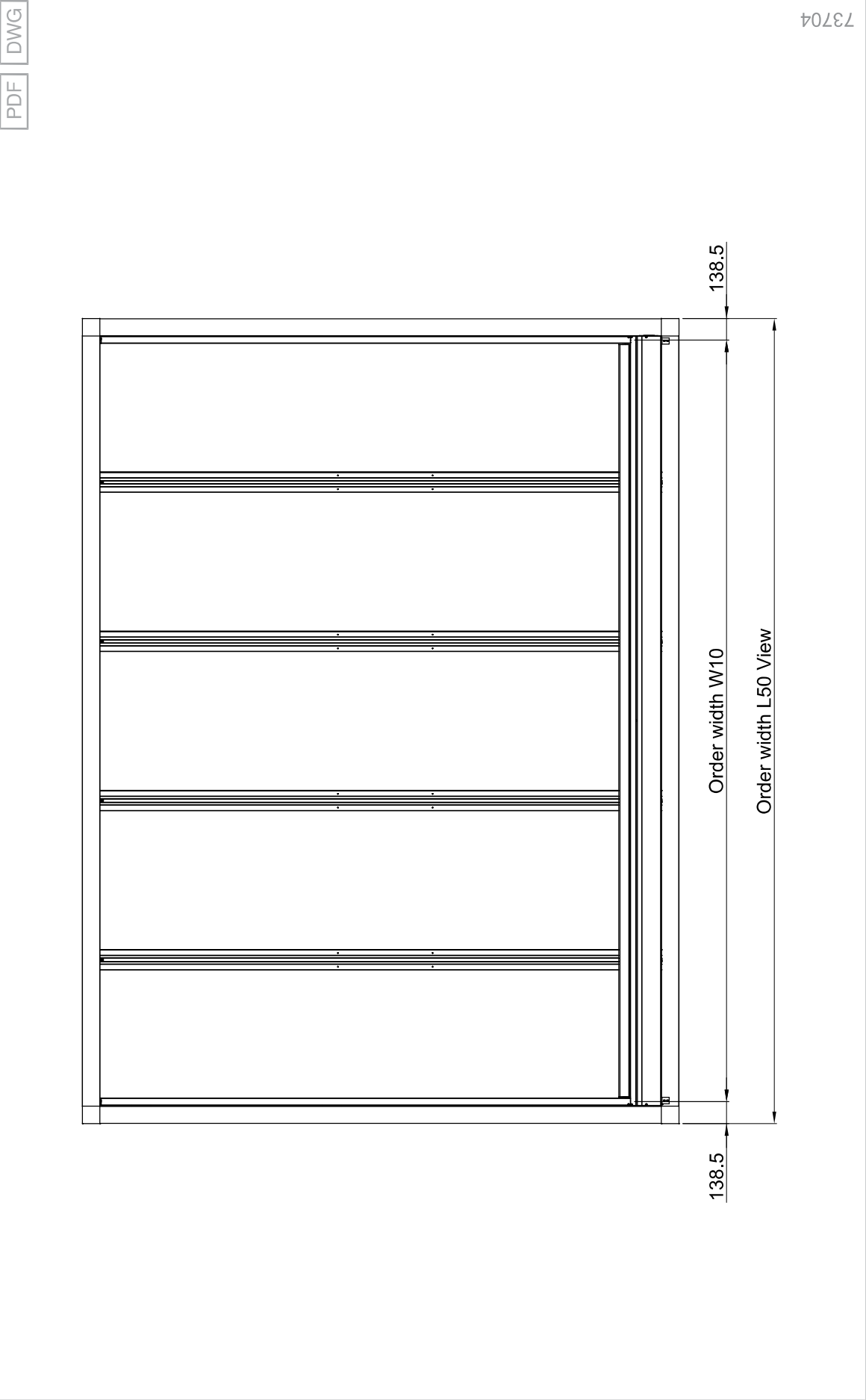
Drive
variants

Connection of conservatory awning W10 to L50 View free-standing



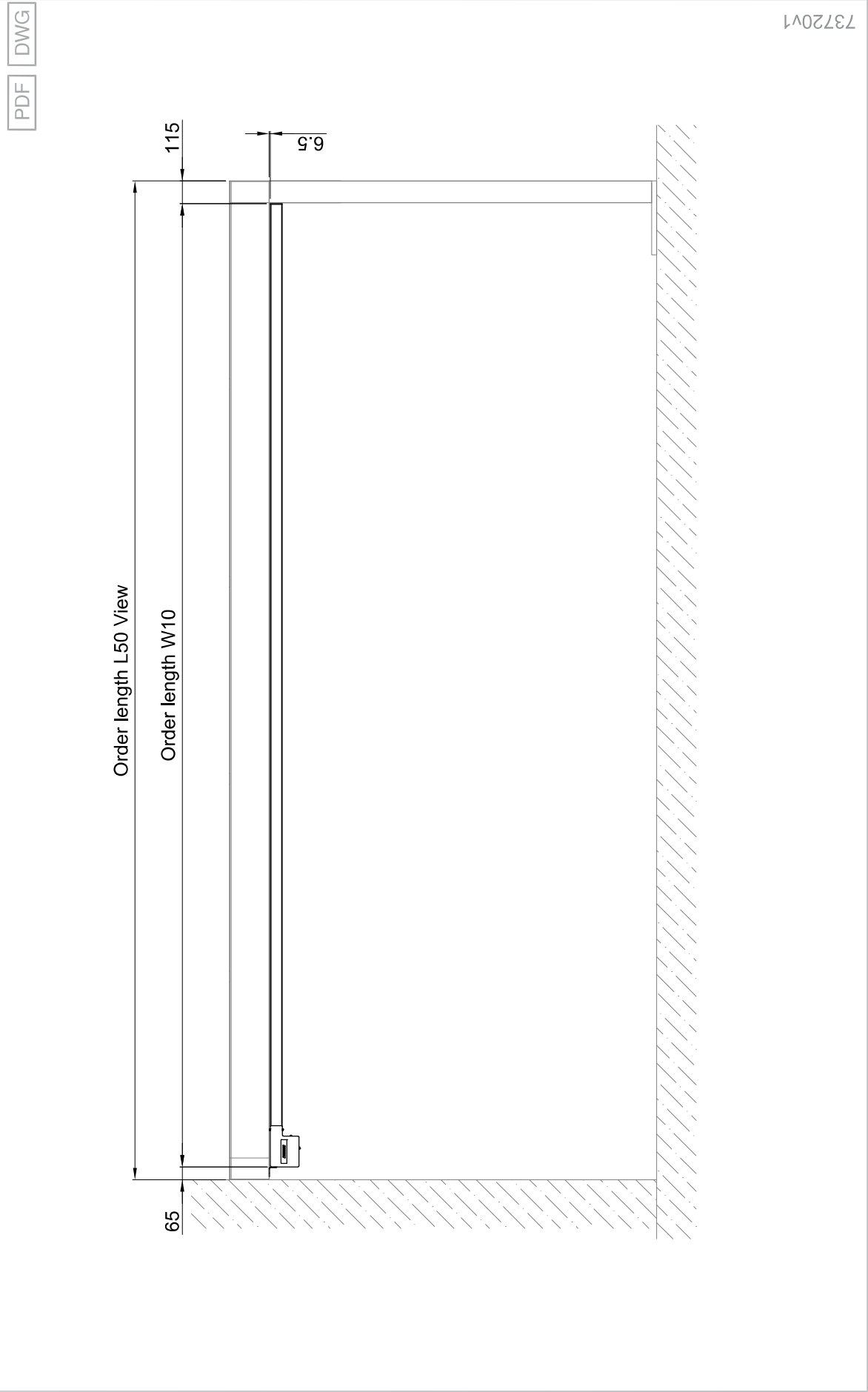
Vertical installations are possible.

Top view of conservatory awning W10 on L50 View free-standing



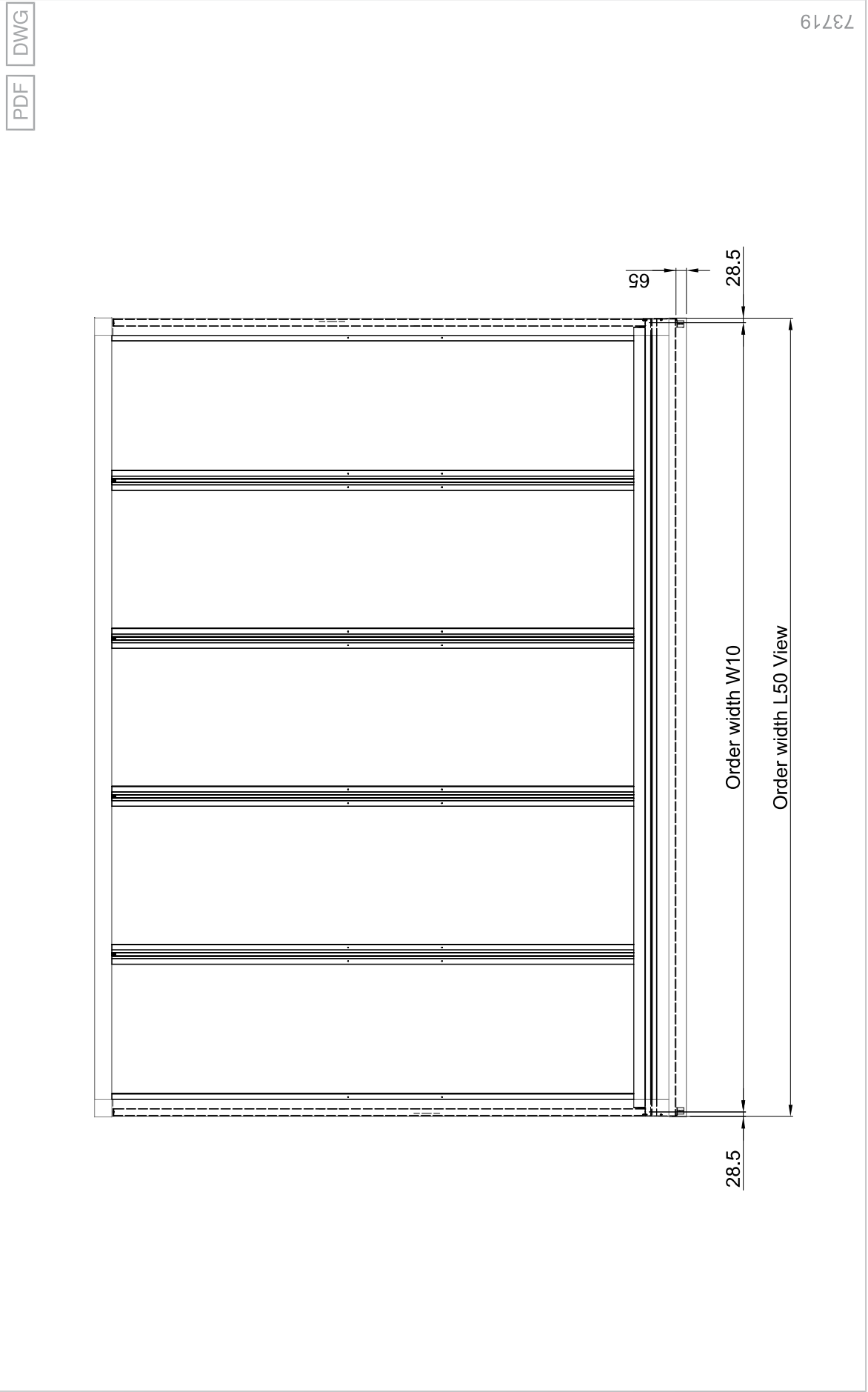
Vertical installations are possible.

Connection of conservatory awning W10 to L50 View wall connection



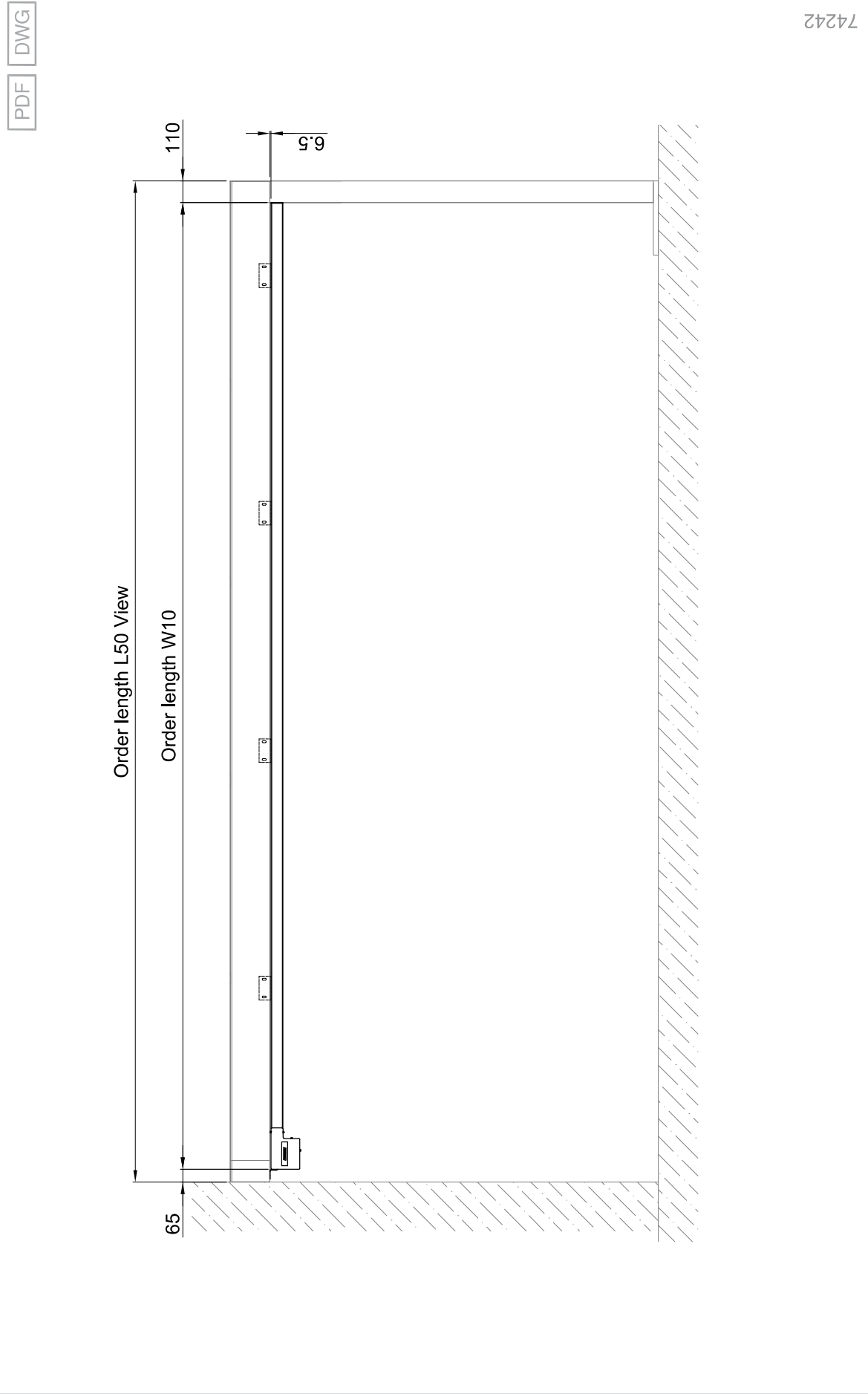
No vertical lateral installations possible.

Top view of conservatory awning W10 on L50 View wall connection



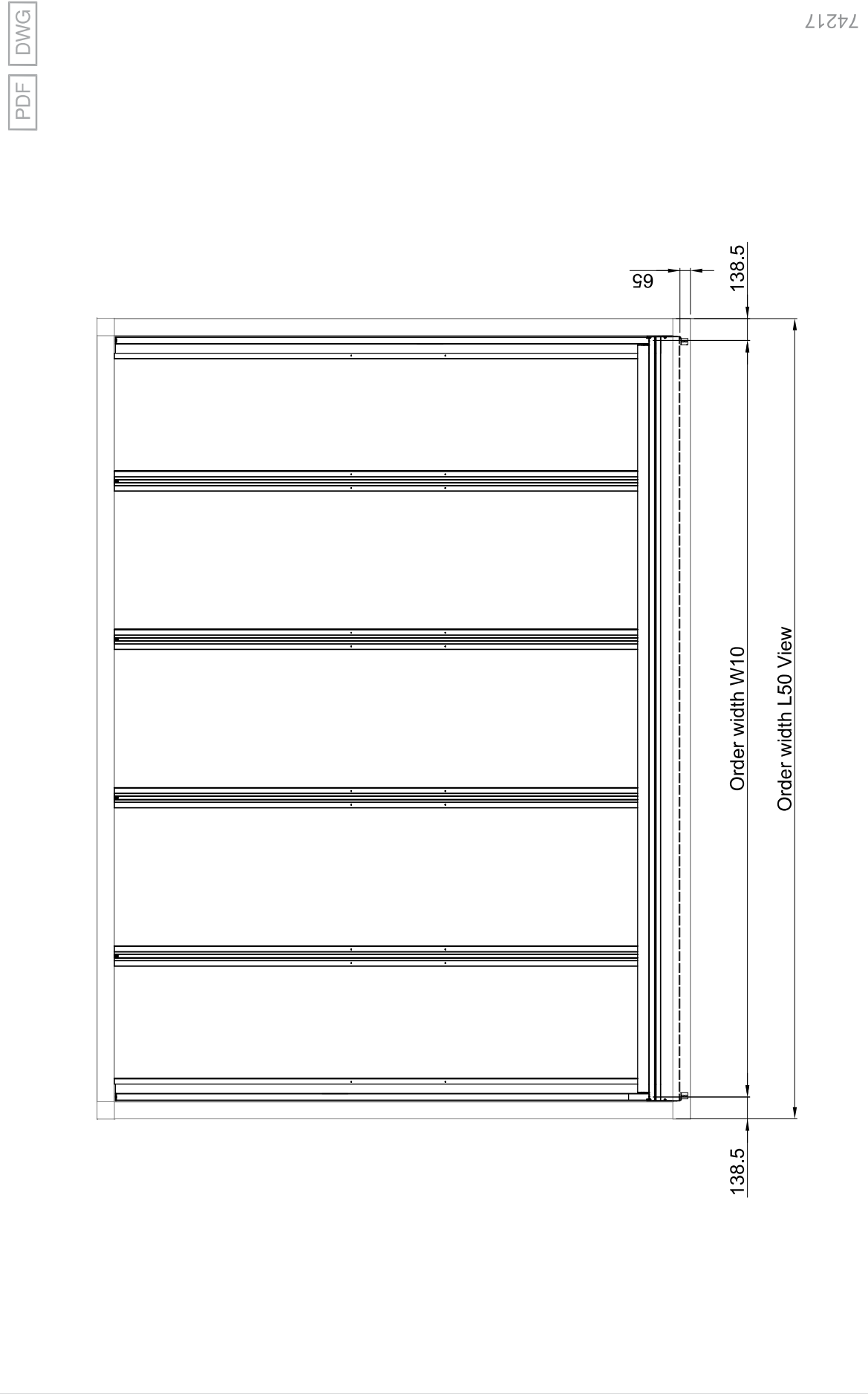
No vertical lateral installations possible.

Side view of connection of conservatory awning W10 to L50 View with wall connection



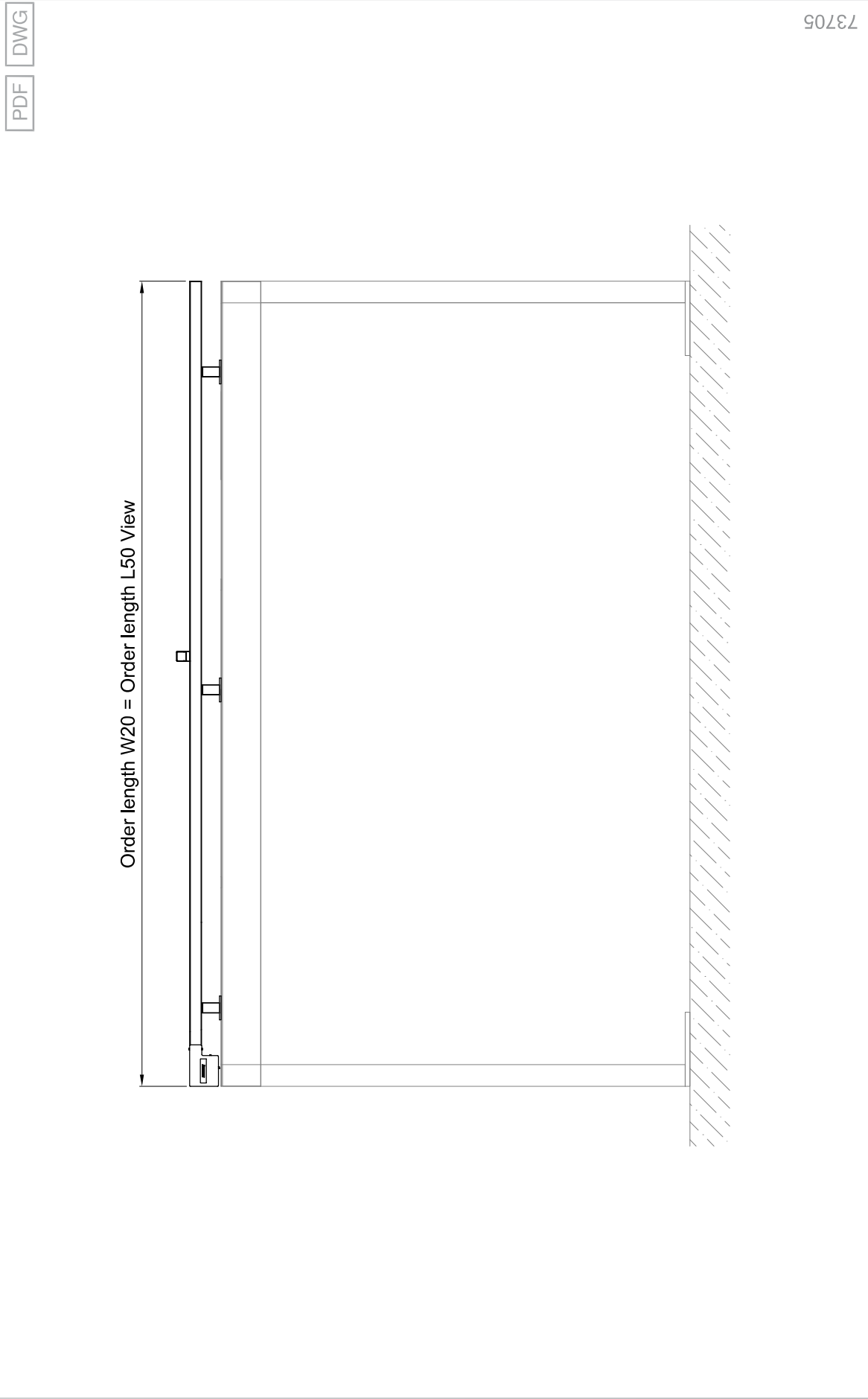
Vertical installations are possible.

Connection of conservatory awning W10 to L50 View with wall connection



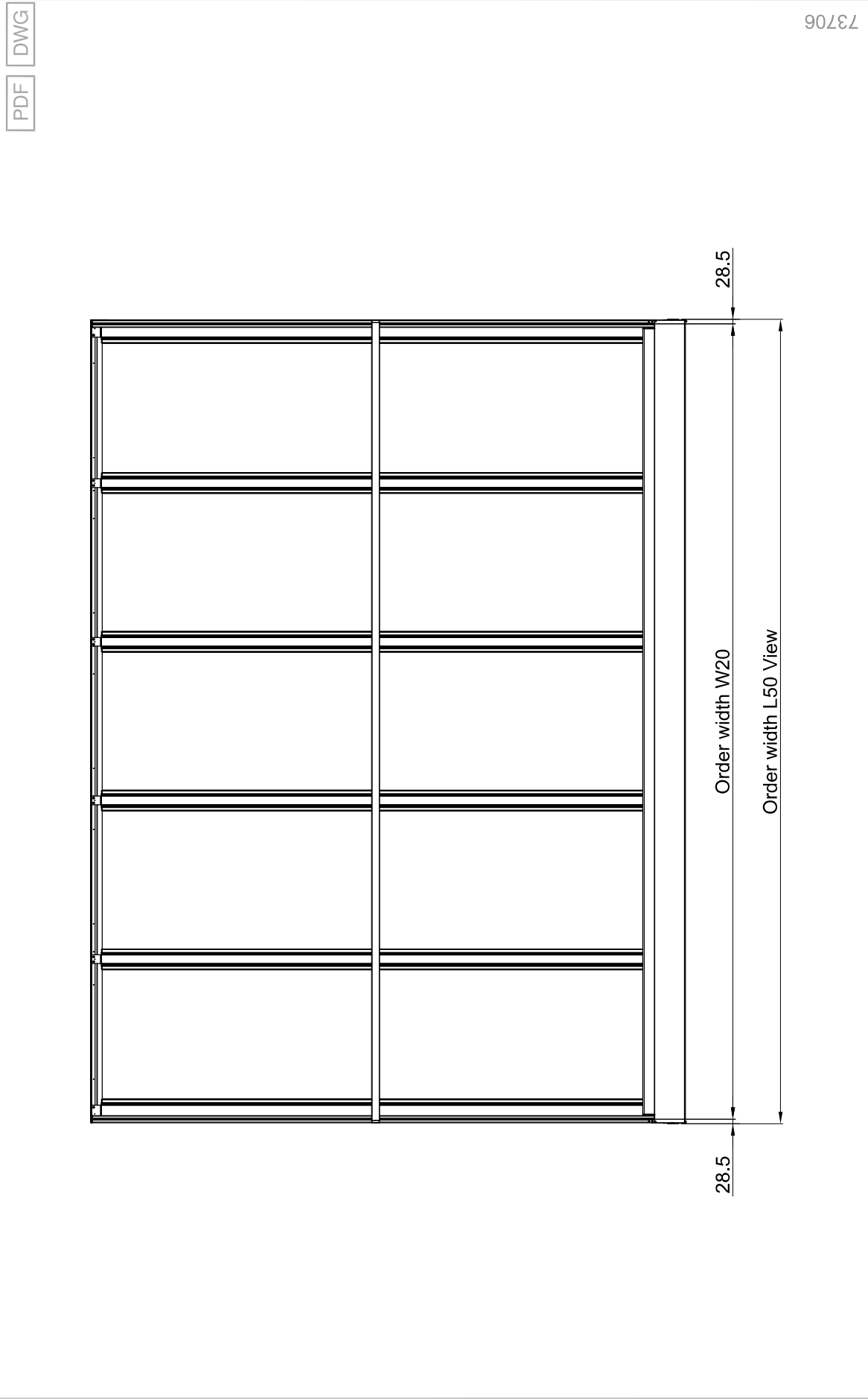
Vertical installations are possible.

Connection of conservatory awning W20 to L50 View free-standing



Connection of conservatory awning W20 to L50 View with wall connection analogue.

Top view of conservatory awning W20 on L50 View free-standing



Connection of conservatory awning W20 to L50 View with wall connection analogue.

Weight assessment

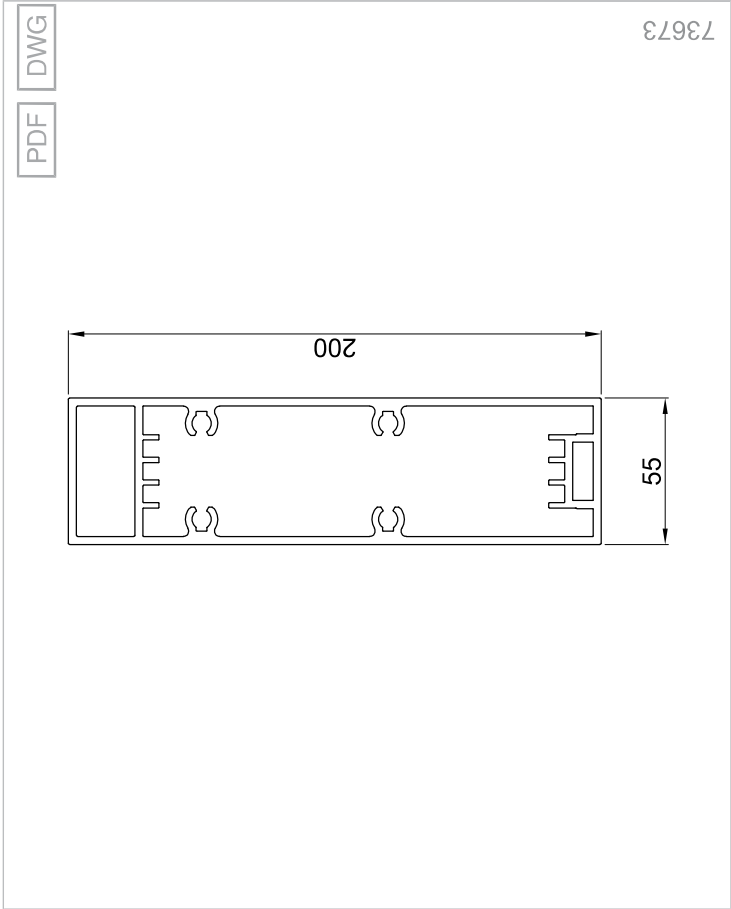
Weight assessment for roof systems

Order width											
Order length	2500 mm	3000 mm	3500 mm	4000 mm	4500 mm	5000 mm	5500 mm	6000 mm	6500 mm	7000 mm	7000 mm
2000 - 2500 mm	272 kg	280 kg	303 kg	311 kg	334 kg	342 kg	350 kg	373 kg	381 kg	404 kg	
2501 - 3000 mm	278 kg	286 kg	310 kg	318 kg	343 kg	351 kg	359 kg	383 kg	391 kg	416 kg	
3001 - 3500 mm	284 kg	292 kg	318 kg	326 kg	352 kg	360 kg	368 kg	394 kg	402 kg	428 kg	
3501 - 4000 mm	290 kg	298 kg	325 kg	333 kg	361 kg	369 kg	377 kg	404 kg	412 kg	440 kg	
4001 - 4500 mm	296 kg	304 kg	333 kg	341 kg	370 kg	378 kg	386 kg	415 kg	423 kg	456 kg	

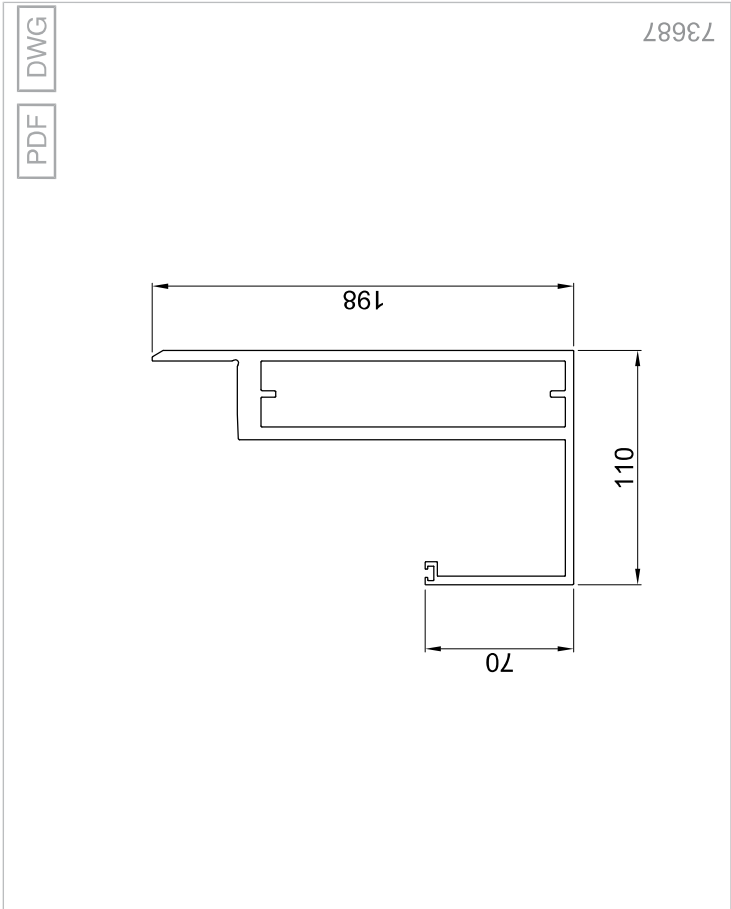
Please note that the weights refer to a roof without glass covering.

Details

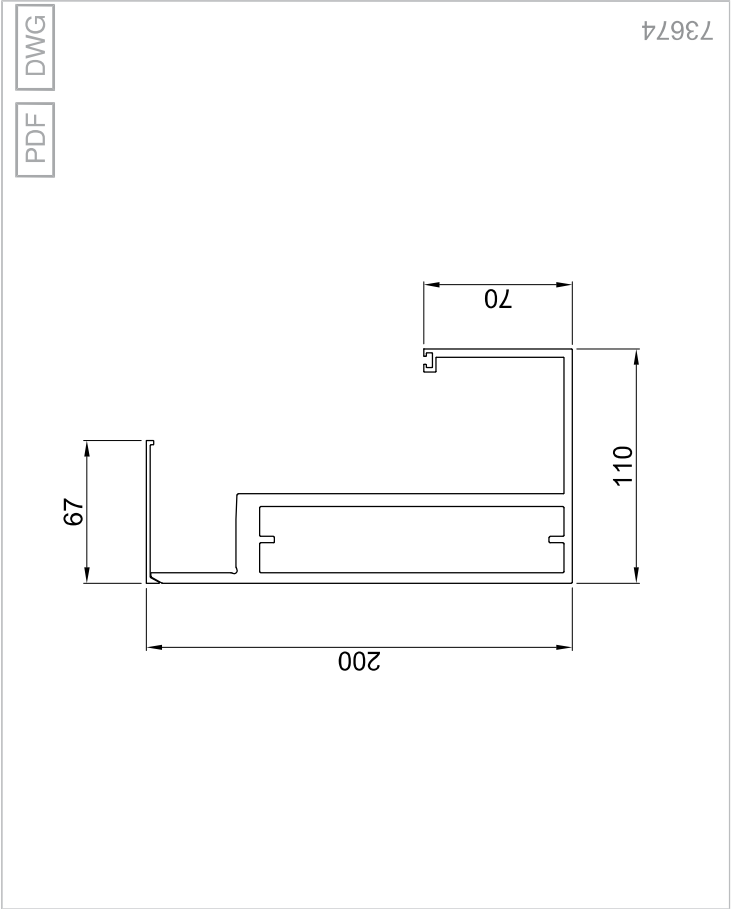
Rafter - L50 View



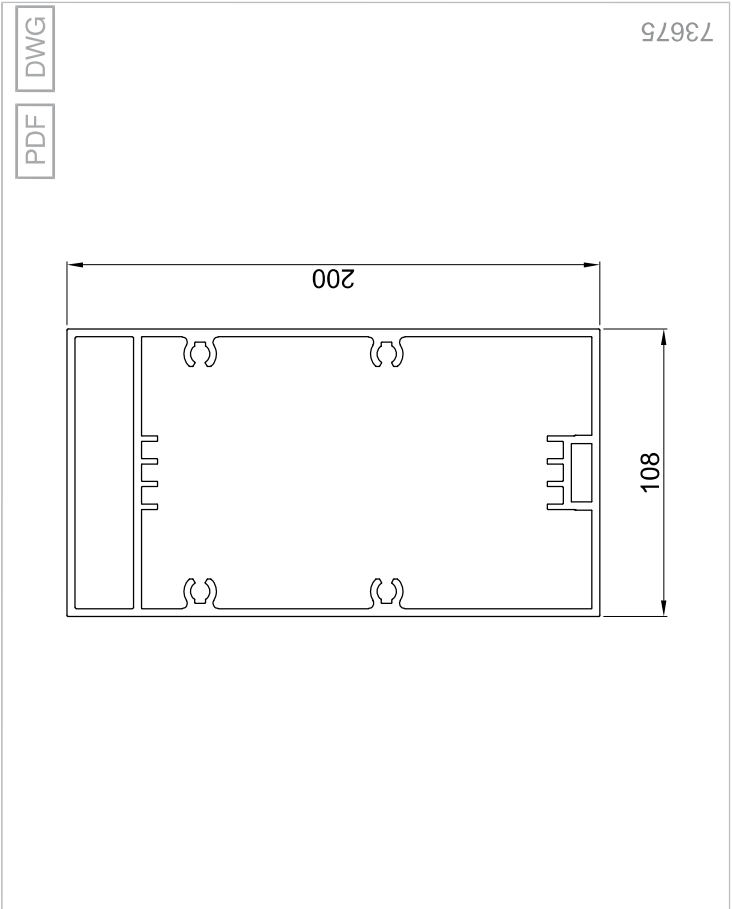
Crossbeam with drainage - L50 View



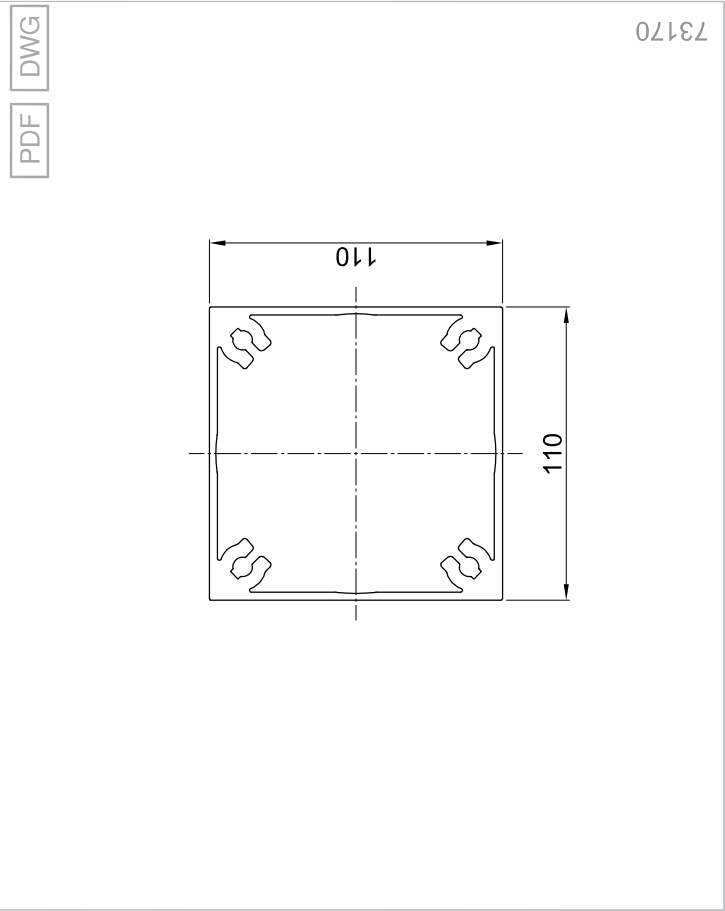
Crossbeam - L50 View



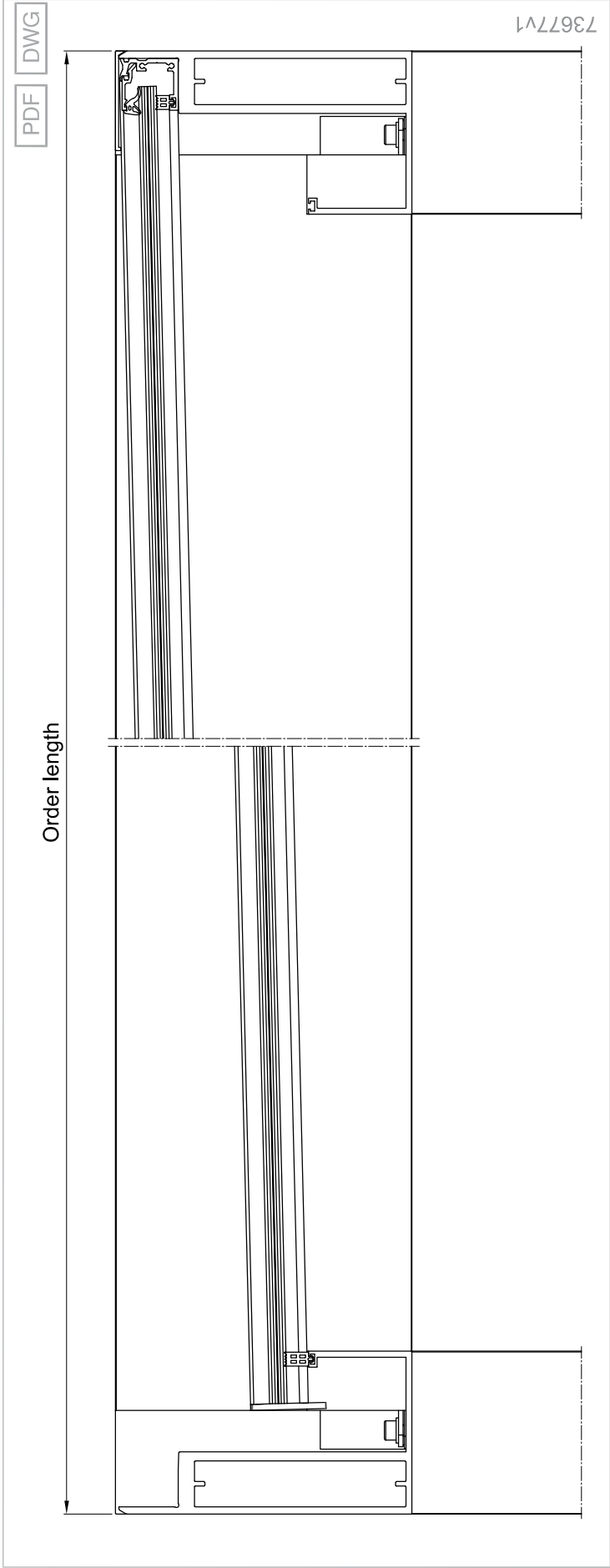
Edge rafter - L50 View



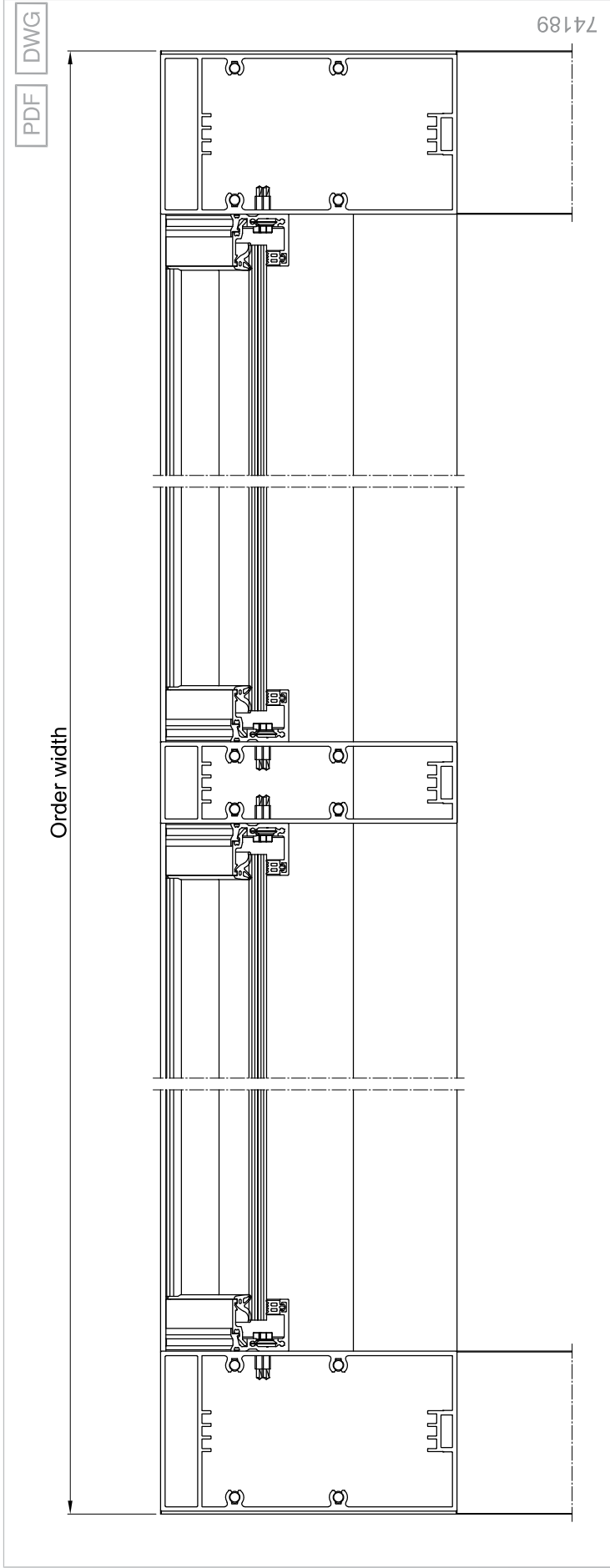
Pole - L50



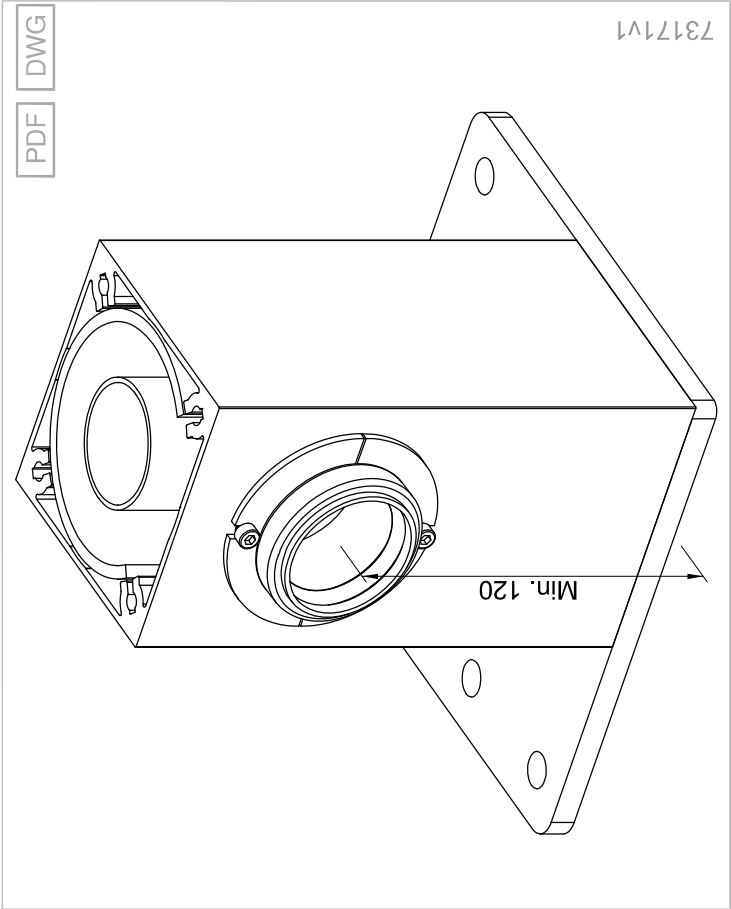
Side view with visible glass course along the rafter - L50 View



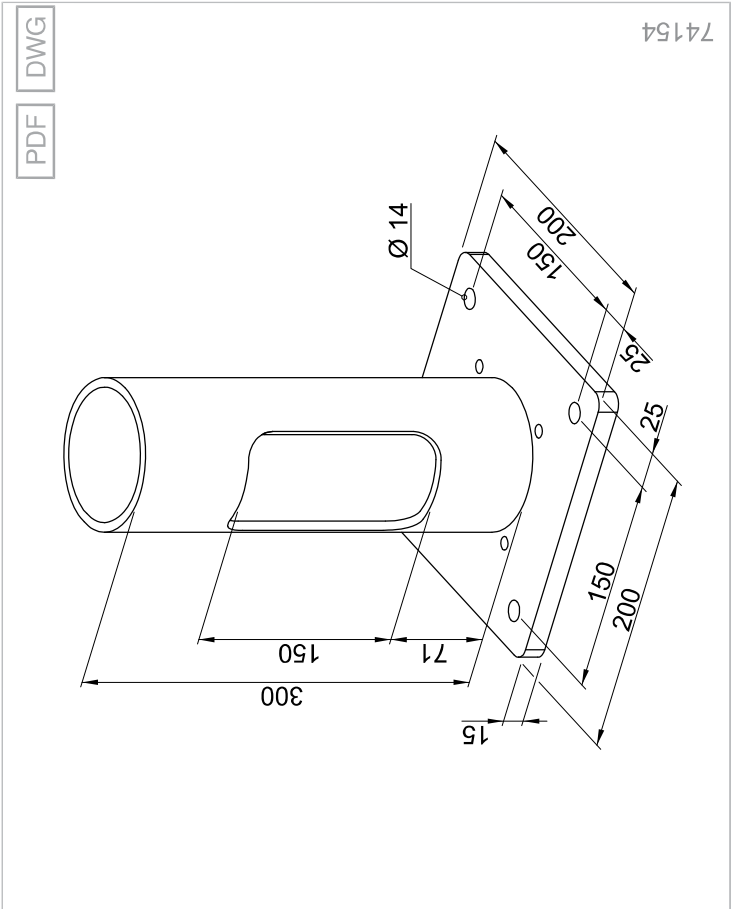
Front view of the profile cross sections - L50 View



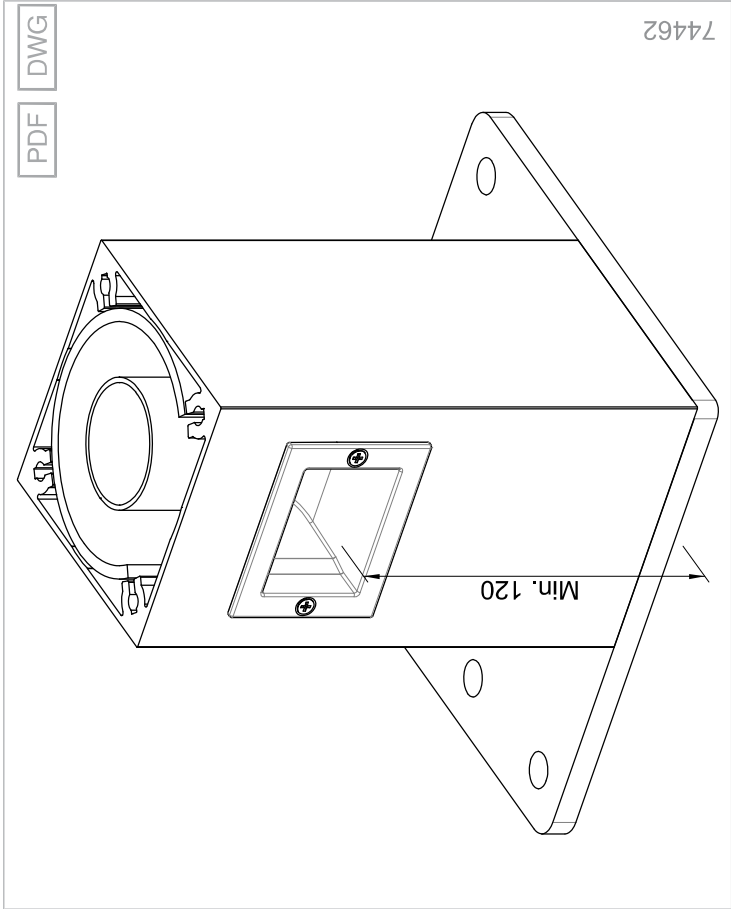
L50, position of drainage, on-site



External base plate with L50 View drainage

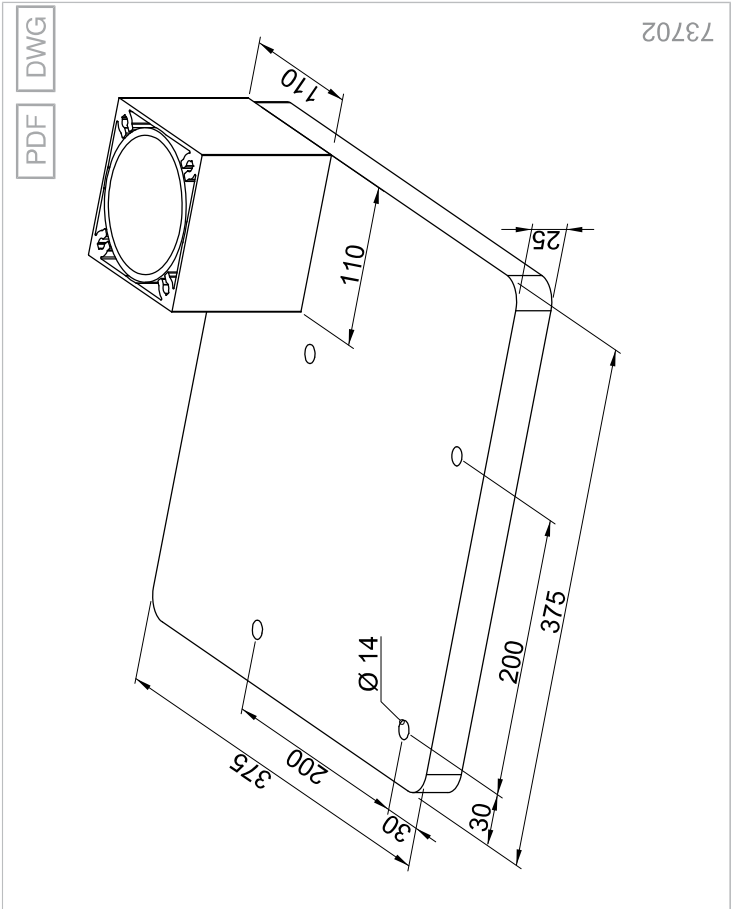


L50, rectangular drainage



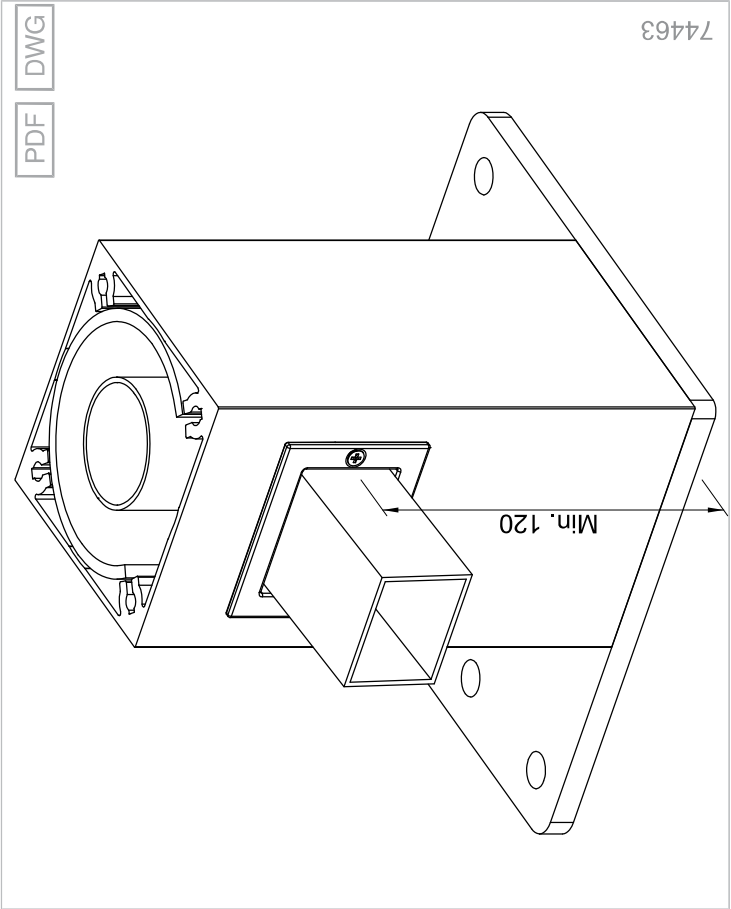
The cover for the external base plate with drainage is available on request.

Reinforced corner base plate - L50 View

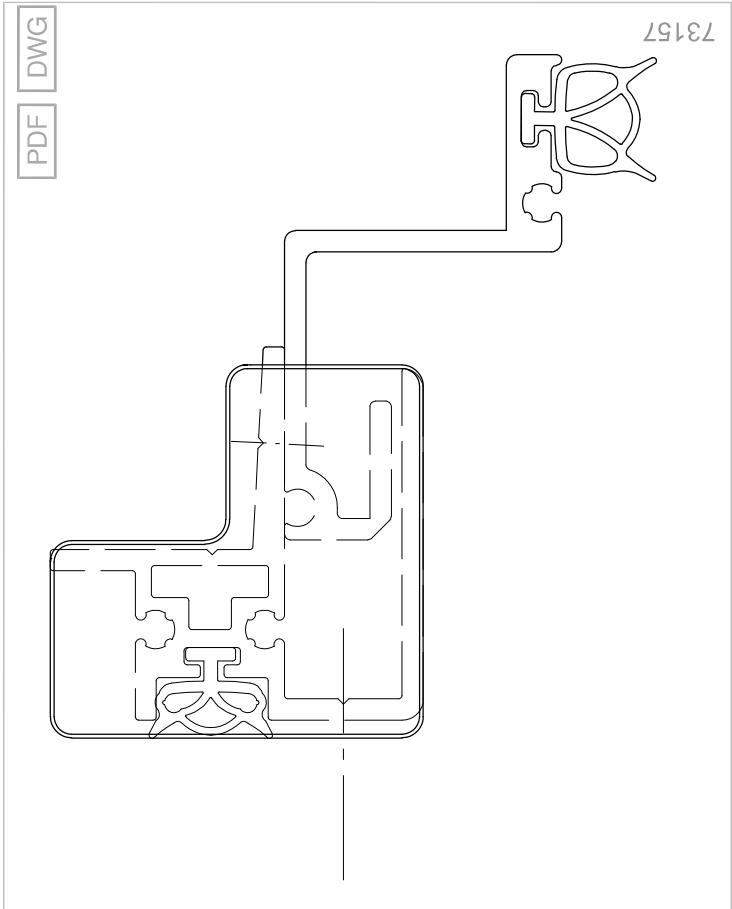


The cover for the reinforced corner base plate is available on request.

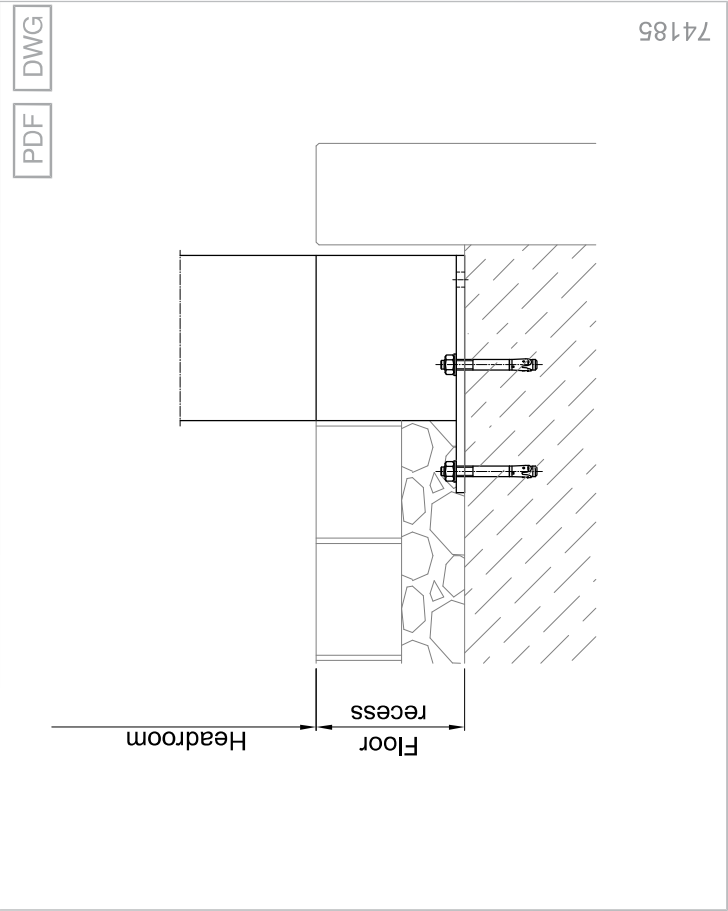
L50, rectangular drainage, optional waterspout



Wall connection profile with small rain hood - L50/L60/L70



Fixing on concrete foundation (corner installation)



74185

Planning

Slat roofs
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Additional product information

Optimum order width in mm (for maximum field size)

Snow load	Laminated safety glass	2 fields	3 fields	4 fields	5 fields	6 fields	7 fields
85	10	2071	3024	3977	4930	5883	6836
85	12	2401	3519	4637	5755	6873	-
125	12	2291	3354	4417	5480	6543	-
200	12	2111	3084	4057	5030	6000	-
400	12	1831	2664	3497	4330	5163	5996

Glass roofs
Lamaxa

- Laminated safety glass 10 mm from 2 x 5 mm TVG PVB plastic film 0.76 mm
- Laminated safety glass 12 mm from 2 x 6 mm TVG PVB plastic film 0.76 mm

Snow load: 85 kg/m²

Snow load: 85 kg/m²

Width	1000 - 4500 mm	4501 - 5000 mm	5001 - 6000 mm	6001 - 7000 mm
Depth 1000 - 4500 mm	2 x poles or 3 x poles	1 x steel or 3 x poles	2 x steel or 3 x poles	3 x poles

Fabric roofs
Lamaxa

Snow load: 125 kg/m²

Snow load: 125 kg/m²

Width	1000 - 4000 mm	4001 - 4500 mm	4501 - 5500 mm	5501 - 7000 mm
Depth 1000 - 4500 mm	2 x poles or 3 x poles	1 x steel or 3 x poles	2 x steel or 3 x poles	3 x poles

Supplementary accessories

Snow load: 200 kg/m²

Snow load: 200 kg/m²

Width	1000 - 4700 mm	4701 - 6000 mm
Depth 1000 - 4500 mm	2 x steel	2 x steel and 3 x poles

Drive variants

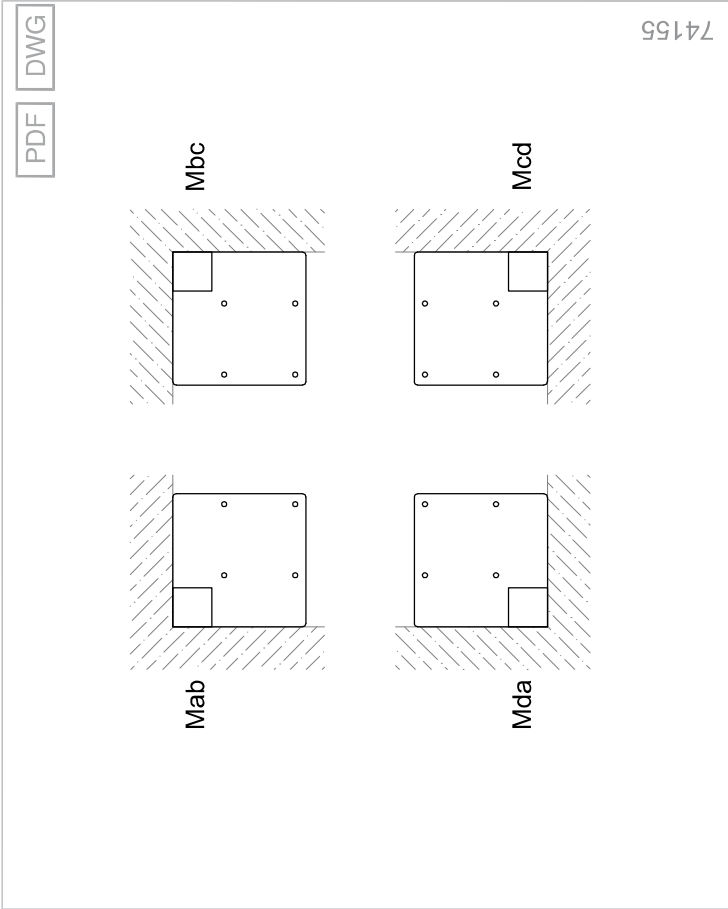
Snow load: 400 kg/m²

Snow load: 400 kg/m²

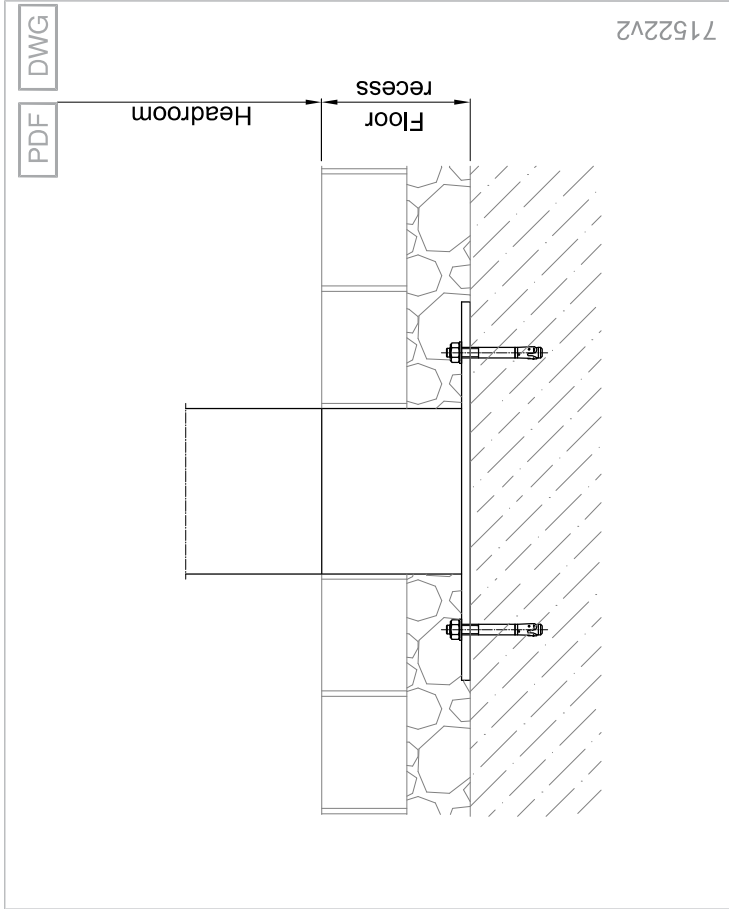
Width	1000 - 3700 mm	3701 - 6000 mm
Depth 1000 - 4200 mm	2 x steel	2 x steel and 3 x poles

Mounting examples

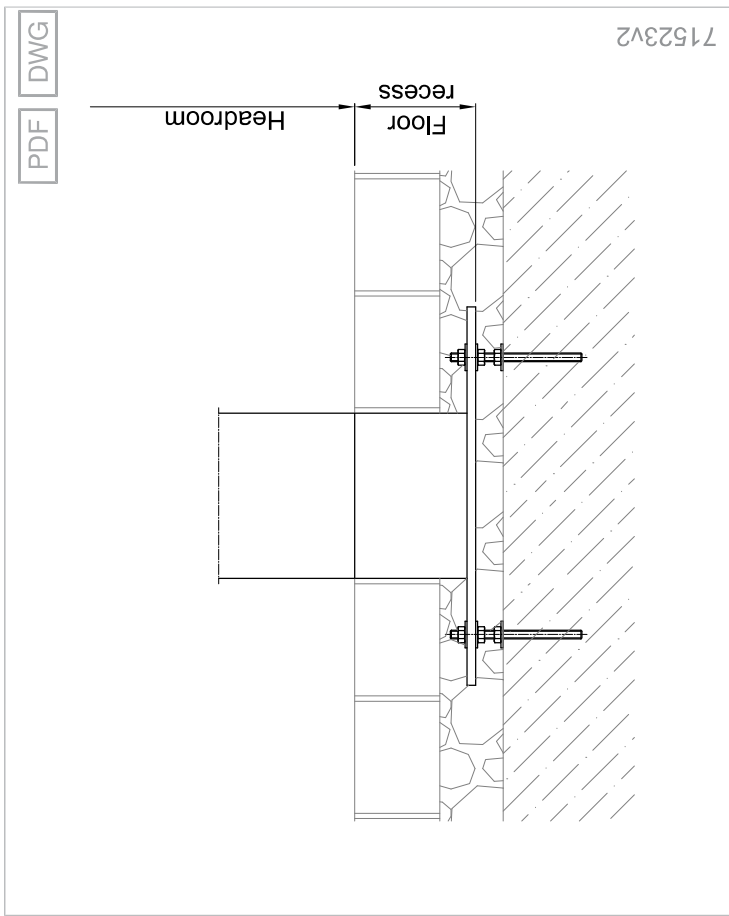
Application reinforced corner base plate corner mounting - L50
View



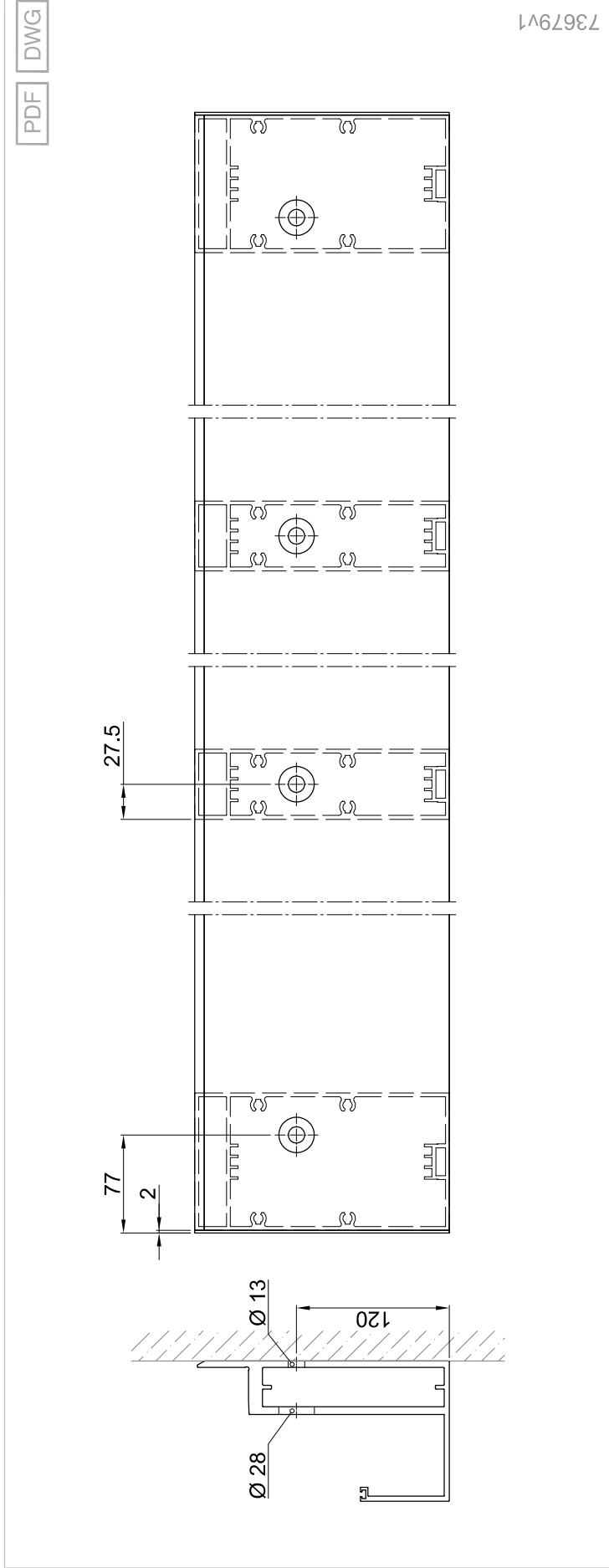
Fixing on concrete foundation (no clearance)



Fixing on concrete foundation (with clearance)

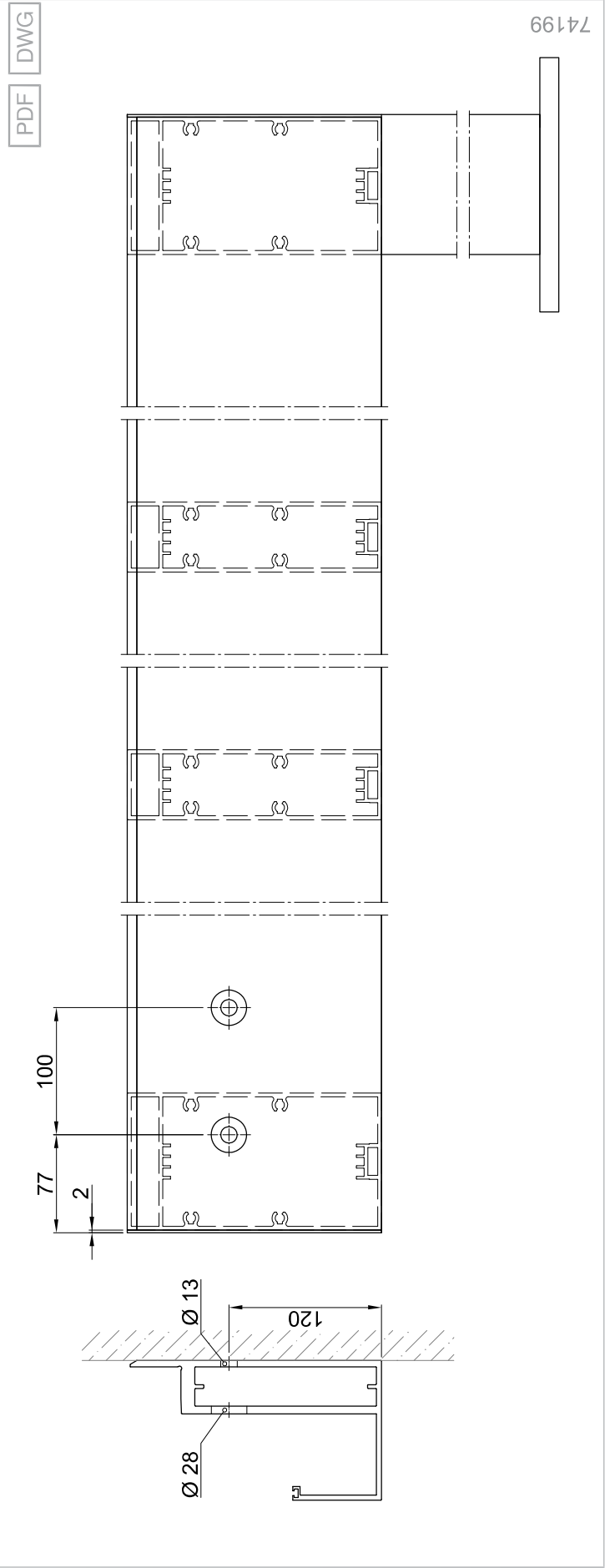


Wall connection - L50 View





Unilateral wall connection - L50 View



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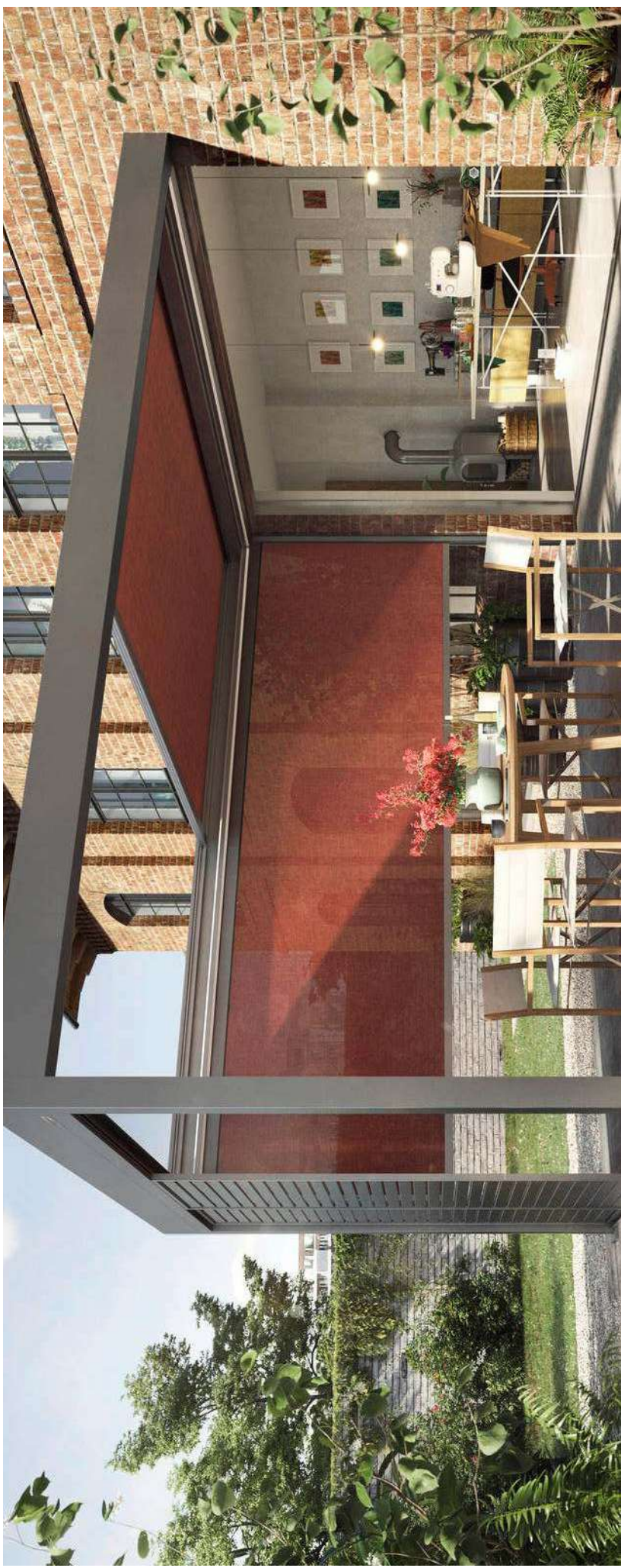
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Fabric roofs Lamaxa L50 Tex

Protective

Shading can be regulated along the path of the roof product and lateral light gaps are prevented thanks to the tried and tested secudrive® guidance.

Stylish

Smart sun shading system as an eye catcher: the Lamaxa slat roof system with fabric makes quite an impression with its sleek design. A wide range of frame and fabric colours makes the combination a functional design element.

Combined

Flair with variety: the combination of different roof systems, such as the L50 Tex with fabric and the L50 with slats, generates different lighting effects and creates a varied, individually designed atmosphere. The area can be used in a more versatile way.

Construction limit values

Maximum order width	4000 mm
Maximum order length	6000 mm
Maximum order area	24 m ²

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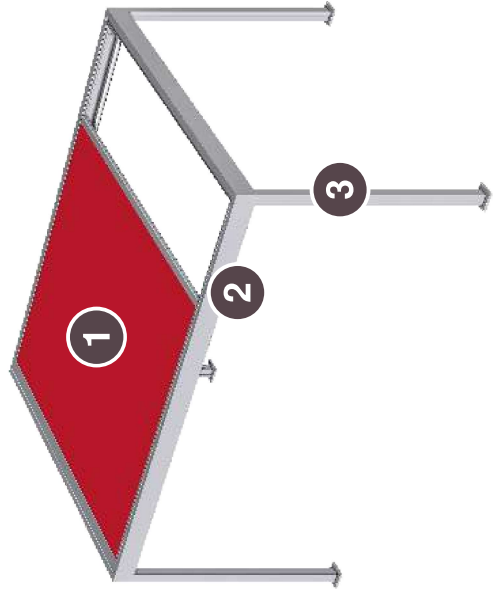
WAREMA tools

[Sun Shading Planner](#)

[see "Navigating the document", Page 5](#)

Components

Lamaxa L50 Tex



- 1 Awning fabric
- 2 Crossbeam
- 3 Pole

Pole

Pole - L50

Material	Aluminium, extruded
Surface	Powder-coated
Material, notes	one-piece
Width	110 mm
Height	110 mm

Installation options:

- Ground installation with frost-proof, on-site foundation.
- The grout for filling the clearance is not included in the scope of delivery when threaded rods are used.

Base plate

Base plate - L50

Material	Galvanised steel
Surface	Plain
Optional surface	Powder-coated
Width	200 mm
Height	200 mm

Crossbeam

Crossbeam - L50

Material	Aluminium, extruded
Surface	Powder-coated
Width	110 mm
Height	230 mm

Electrical distribution on the crossbeam, field c - L50

Material	Aluminium, folded
Surface	Powder-coated
Width	91,5 mm
Height	155 mm

Used as soon as one or more electronic accessory variants (e.g. LED strips, GranTex with easyZIP guidance) are selected. If no electronic accessories are selected, the connection is made by cable in the crossbeam.

Drainage

Drainage in pole - L50

- Drainage through drainpipe in pole.

Position of drainage outlet:

- Possible on every pole.
- Drainage and electronics/connecting lines must always be installed in separate poles.
- On the outsides of the poles or downward.
- Min. height.: 120 mm.
- Max. height: 200 mm below the headroom.

Wall connection profile, optional

Wall connection profile with small rain hood

Material	Aluminium, extruded
Surface	Powder-coated
Width	54 - 65 mm
Height	48 mm

Dimensions, notes The adjustment range in the depth between rain hood and wall connection profile is up to 11 mm.

The on-site sealing is the responsibility of the specialist partner; if necessary, the commissioning of a plumbing company is recommended.

Field of application:

- Terrea K50
- Terrea K70
- Perea P20 (up to an angle of 10°)
- Lamaxa L50/L60/L70

Console, optional

Wall console - L50

Material	Galvanised steel
Surface	Powder-coated
Width	75 mm
Height	177 mm
Depth	105 mm

- Use in corner as pole replacement.
- A maximum of two poles can be replaced by wall consoles.
- For a concrete mounting substructure; adapter plates are required for other substructures.
- The wall console protrudes 8 mm beyond the order width and order length. This results in a gap of 8 mm between the crossbeam and the wall.

Drive variants

- Motor

Motor

- WMS-LP (WMS)

+ see "Drive variants", Page 201

Colours

- WAREMA Colour World, Individual category, fine texture surface quality
- WAREMA Colour World, Highlight category, fine texture surface quality
- WAREMA Colour World, Variation category, fine texture surface quality

Colours, optional:

- WAREMA Colour World

+ see "Colours and finishes", Page 10

Fabric qualities

- Acrylic fabric

Notes

Limit position learning:

The WAREMA Smart programming cable is required to set the motor limit positions.

Operation and control:

To ensure convenient and fast operation of the product, we recommend WMS WebControl pro (control via smartphone, tablet, etc.) and WMS Weather station plus in order to use the control modes (e.g. sun control). To do so, a sufficiently strong radio reception must be ensured.

Number of optional extras per field:

Only one optional extra is possible per field. Either GranTex with easyZIP guidance, LED on the poles, sliding shutters with wooden or aluminium filling or the SL20e glass sliding system.

Supplementary accessories

- Design radiant heater
- GranTex with easyZIP guidance
- Glass sliding system SL20e
- Sliding shutters - L50/L60/L70
- Lamaxa lighting
- Offset pole - L50/L50 Tex
- Additional pole - L50

+ see "Supplementary accessories", Page 143

Construction limit values

Configuration variants	Minimum order width	Maximum order width	Minimum order length	Maximum order length	Maximum order area	Minimum headroom	Maximum headroom
Fabric qualities							
Acrylic fabric	2500 mm	4000 mm	2000 mm	6000 mm	24 m ²	800 mm	2700 mm

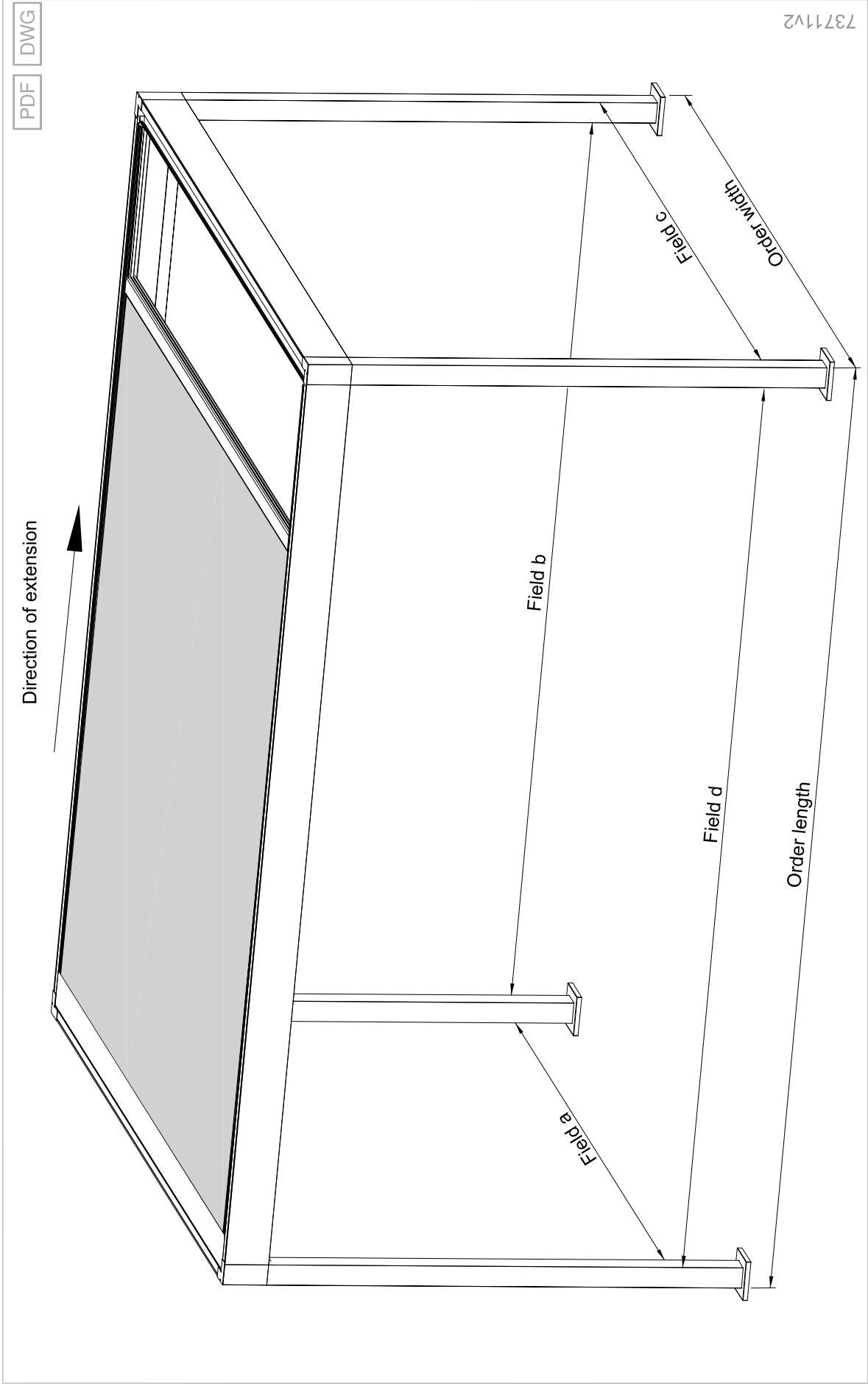
Following enquiry, deviations from the standard construction limit values are possible (within limits).

Headroom/pole height:

- The minimum height for poles with drainage is 800 mm.
- The minimum height for poles without drainage is 800 mm.
- The maximum pole height (headroom plus floor recess) is ≤ 3000 mm.

Dimension determination

Field definition - L50 Tex



Planning

Slat roofs
Lamaxa

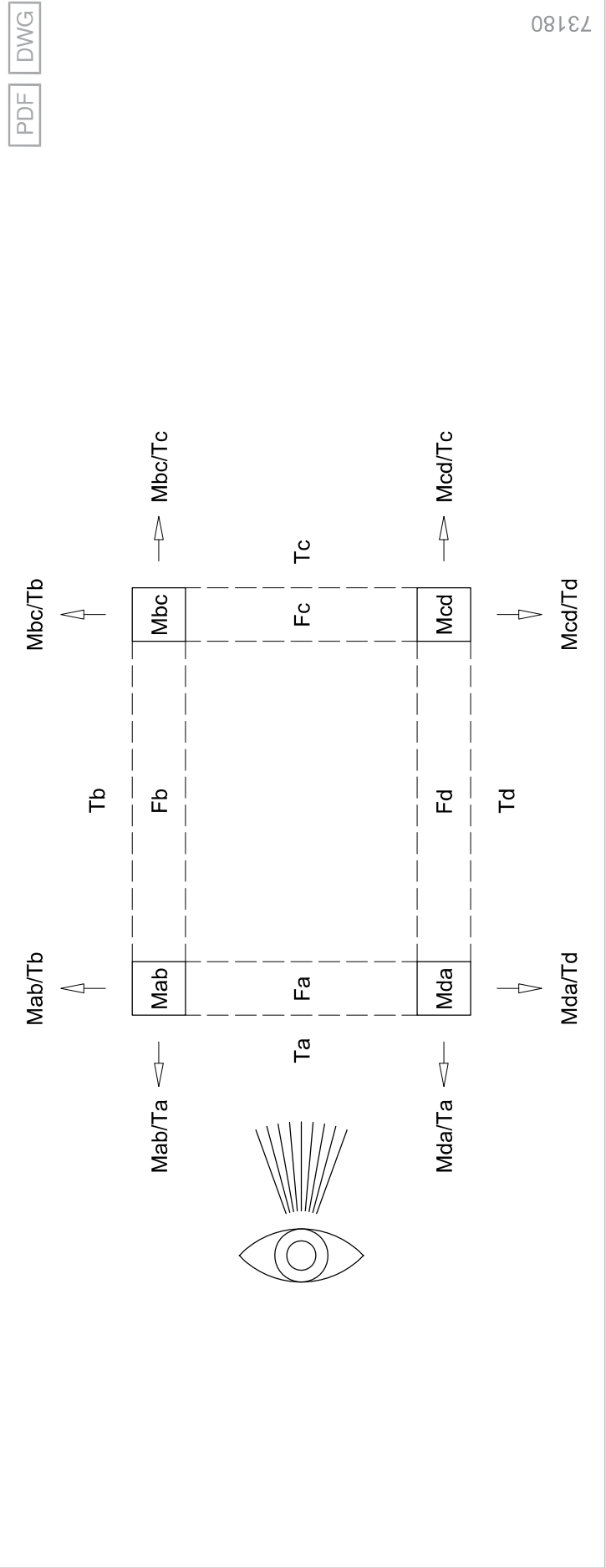
Glass roofs
Lamaxa

Fabric roofs
Lamaxa

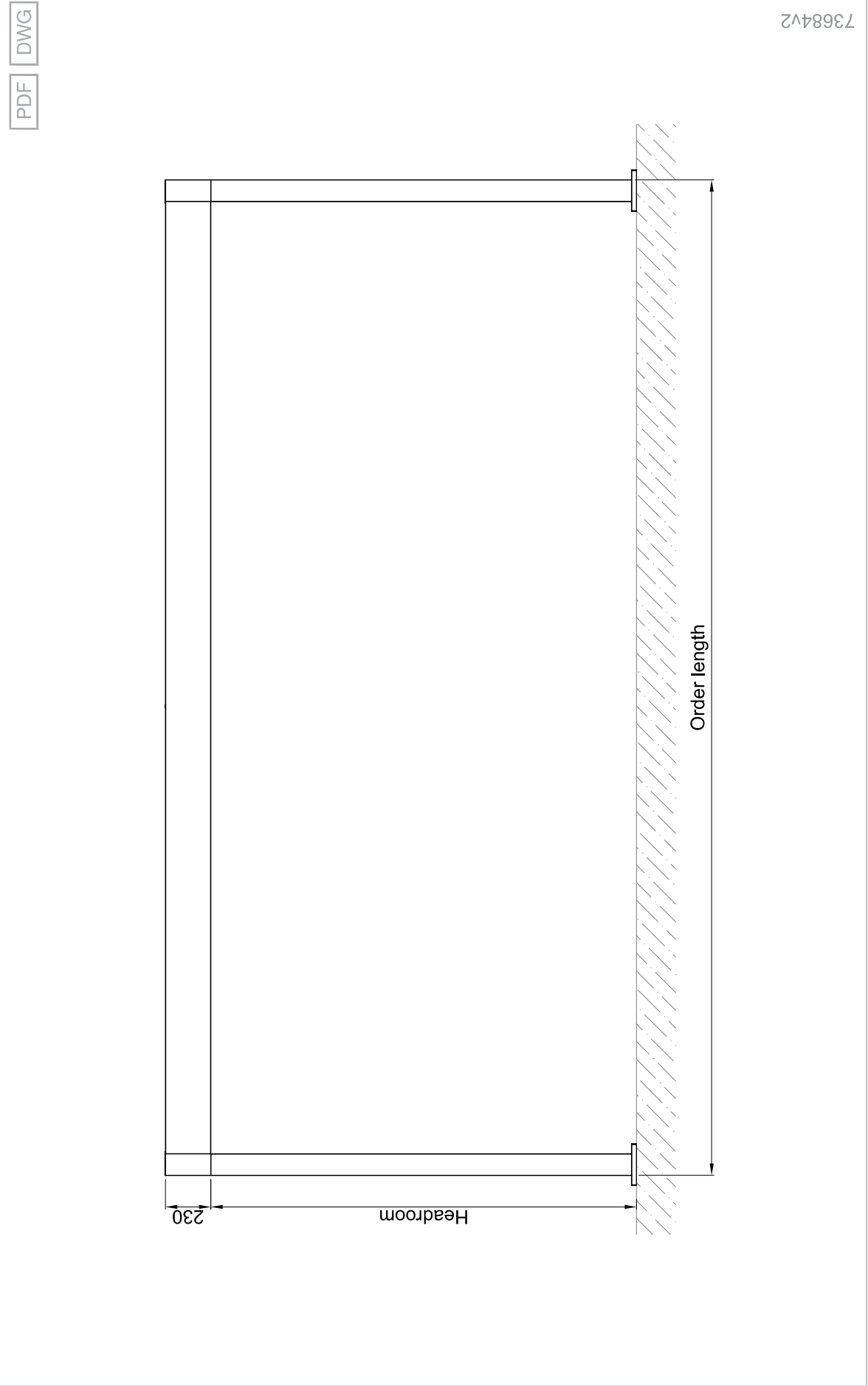
Supplementary
accessories

Drive
variants

Top view of the position/connection points - L50/L60/L70

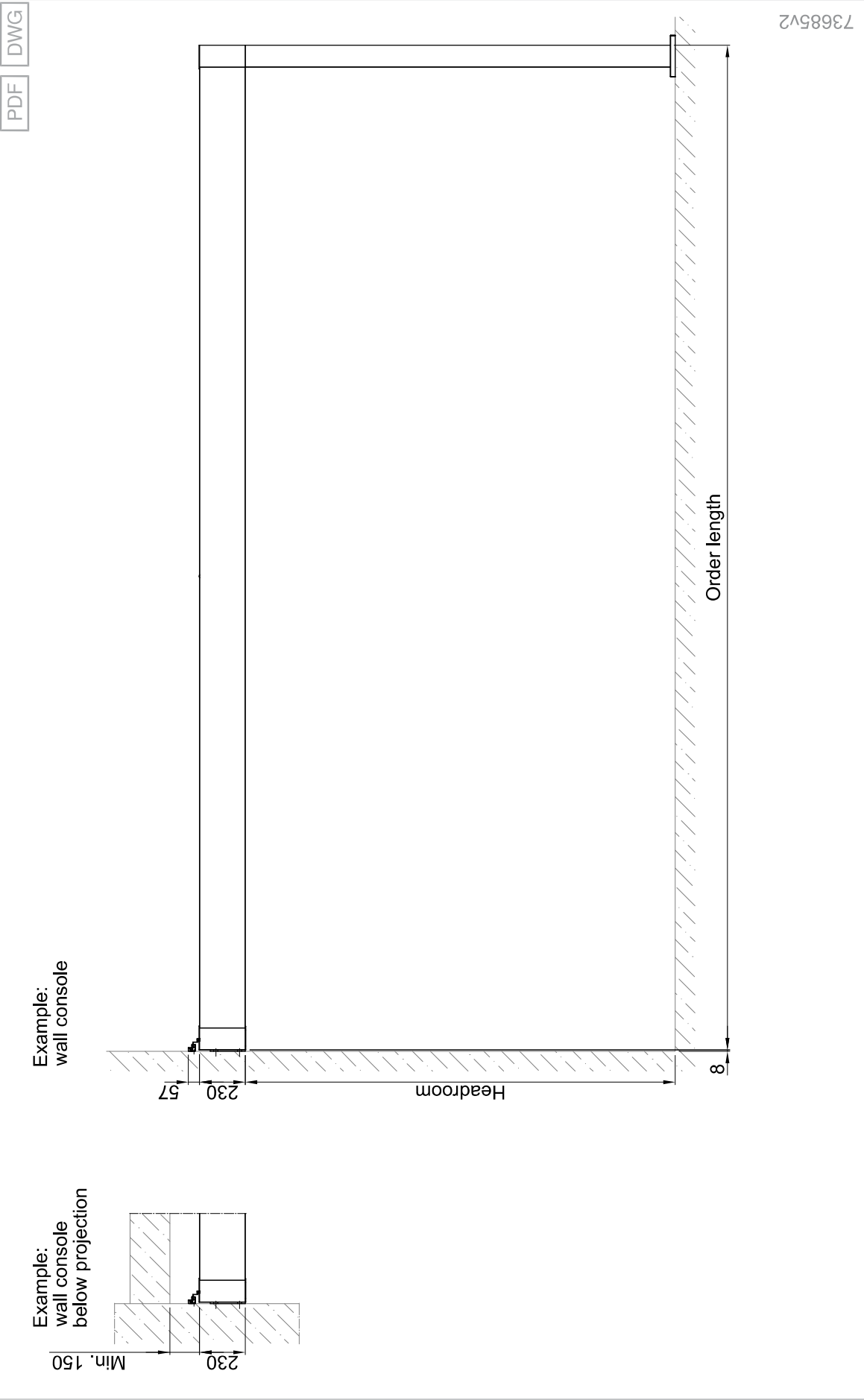


Side view - L50 Tex





Side view of wall connection with wall console - L50 Tex

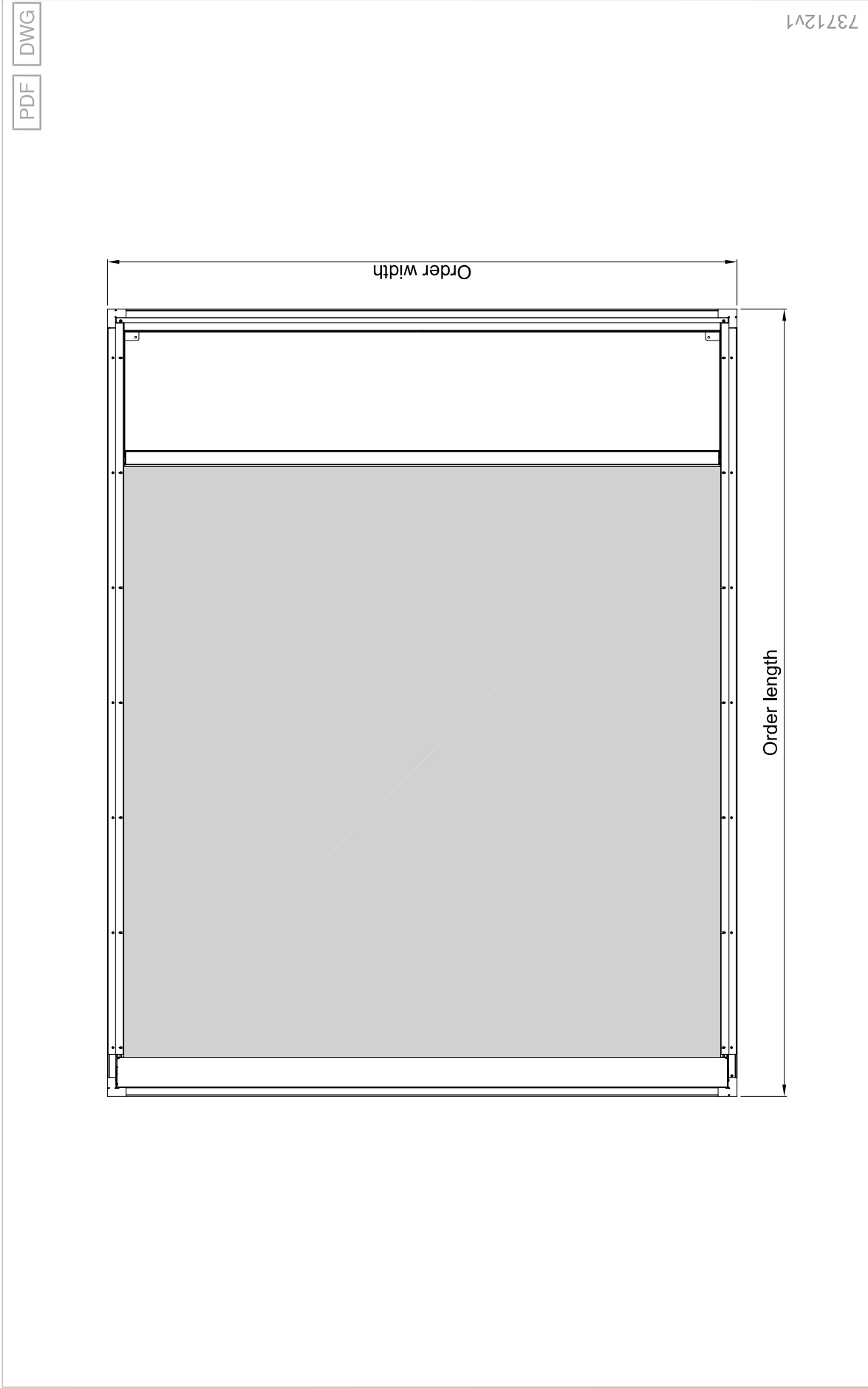


Planning

Slat roofs
Lamaxes

Glass roofs
Lamaxes

Top view for individual units - L50 Tex



Fabric roofs
Lamaxes

Supplementary
accessories

Drive
variants

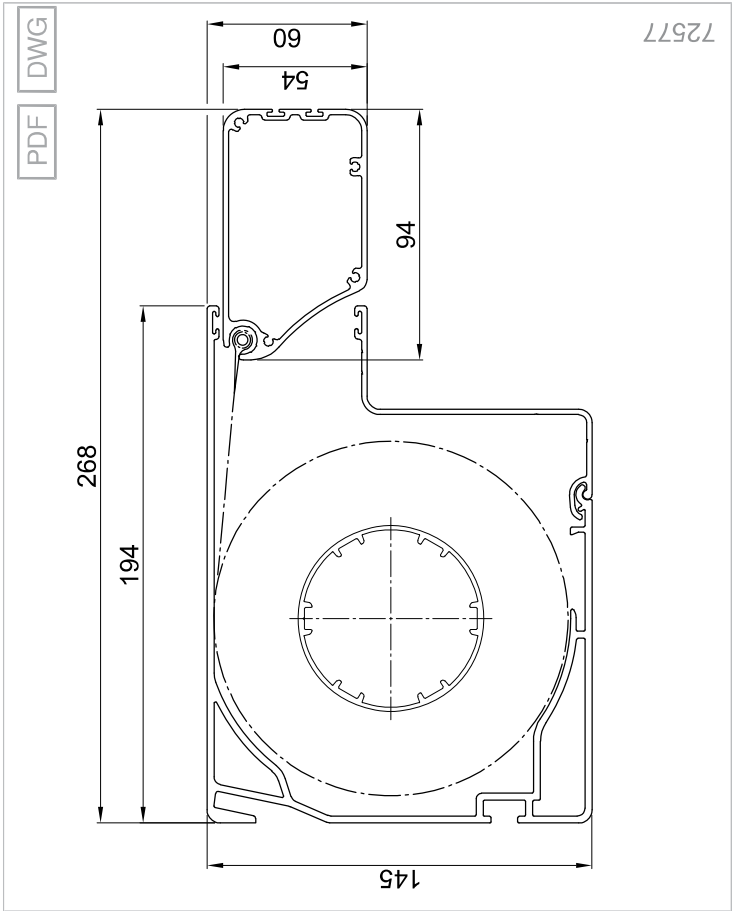
Weight assessment

Weight assessment for roof systems

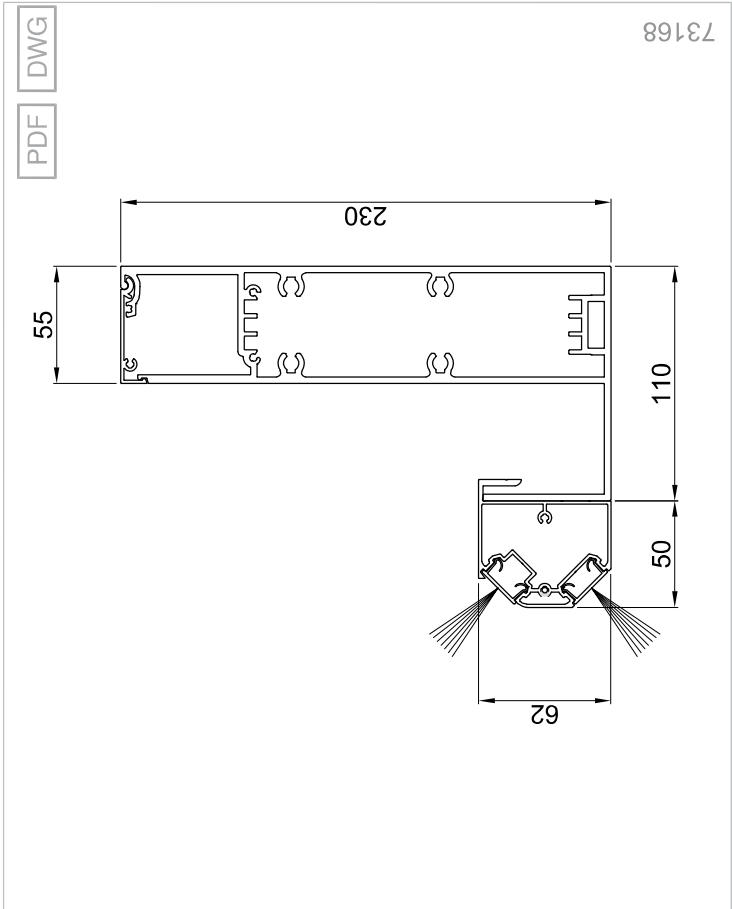
Order length	Order width				
	2000 - 2500 mm	2501 - 3000 mm	3001 - 3500 mm	3501 - 4000 mm	
2500 mm	159 kg	171 kg	183 kg	195 kg	
3000 mm	170 kg	182 kg	194 kg	207 kg	
3500 mm	182 kg	194 kg	206 kg	218 kg	
4000 mm	194 kg	206 kg	218 kg	230 kg	
4500 mm	205 kg	218 kg	230 kg	242 kg	
5000 mm	217 kg	229 kg	242 kg	254 kg	
5500 mm	229 kg	241 kg	253 kg	266 kg	
6000 mm	240 kg	253 kg	265 kg	278 kg	

Details

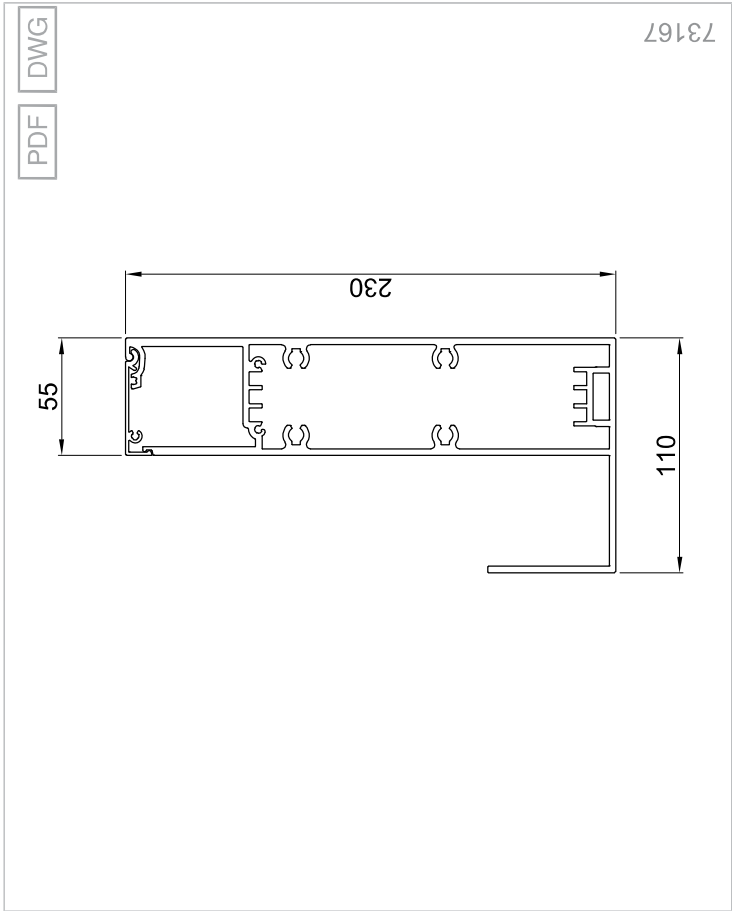
Rectangular cover panel and front rail

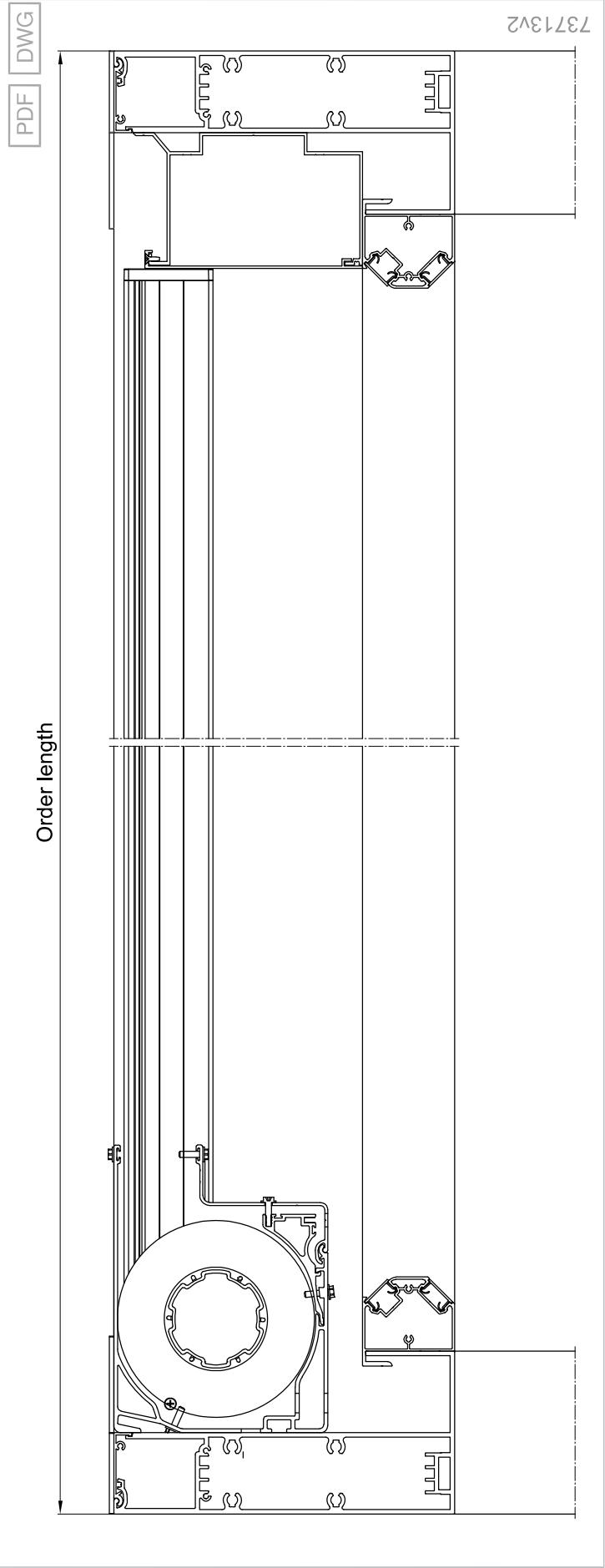


Crossbeam with LED profile - L50



Crossbeam - L50

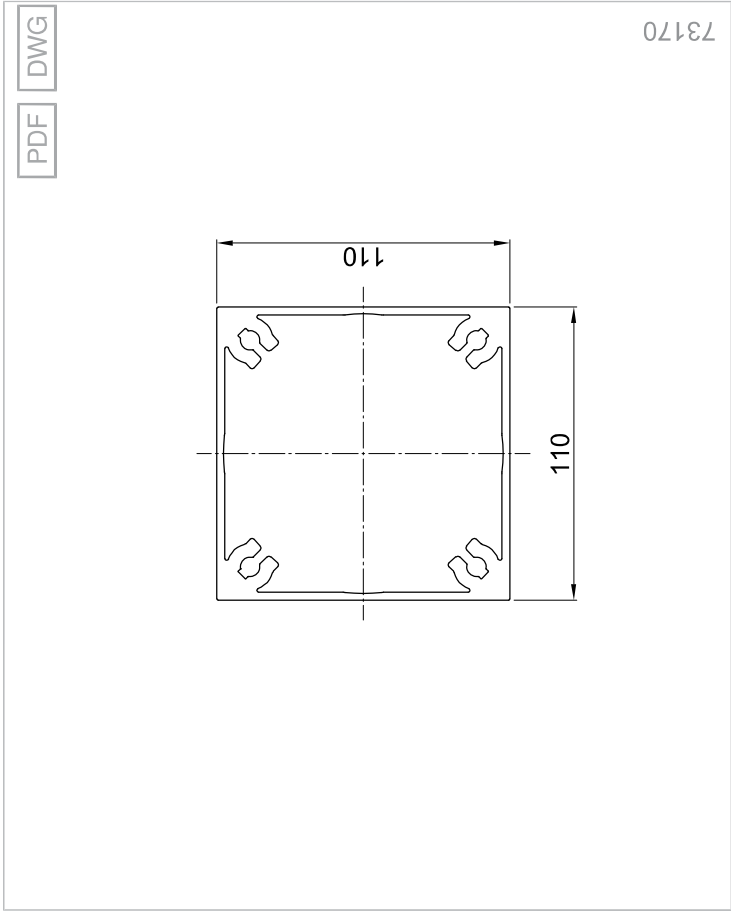




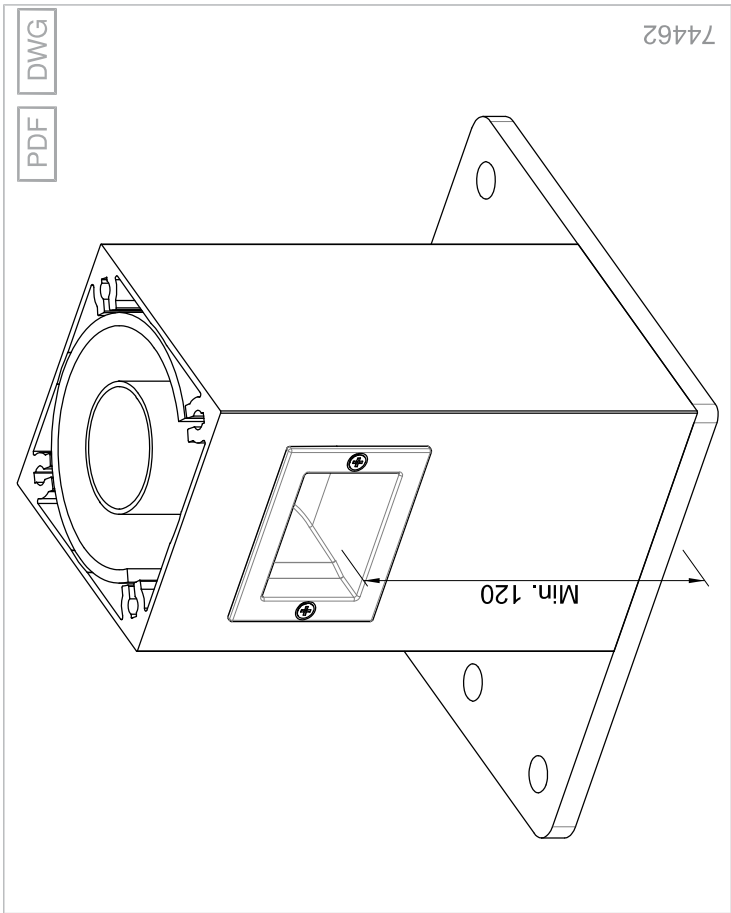
Planning

Slat roofs
Lamaxa

Pole - L50

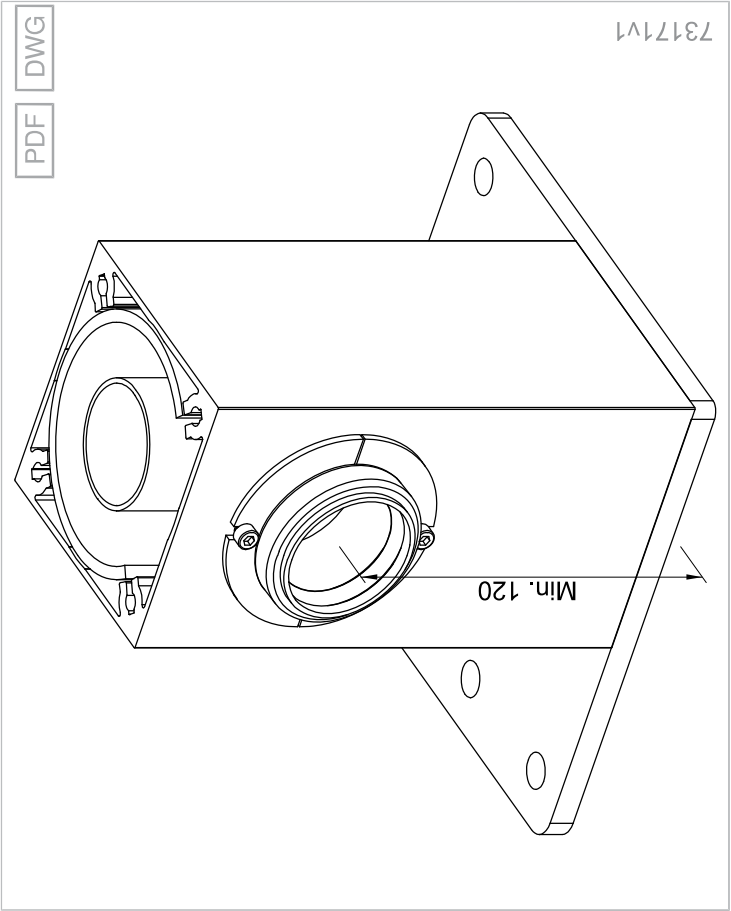


L50, rectangular drainage

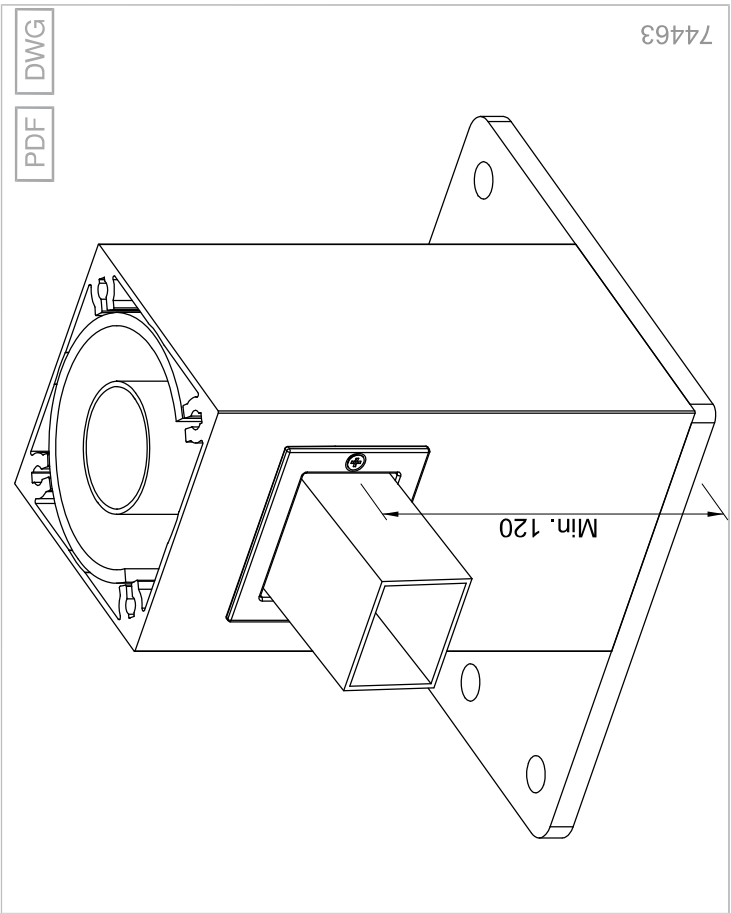


Glass roofs
Lamaxa

L50, position of drainage, on-site



L50, rectangular drainage, optional waterspout

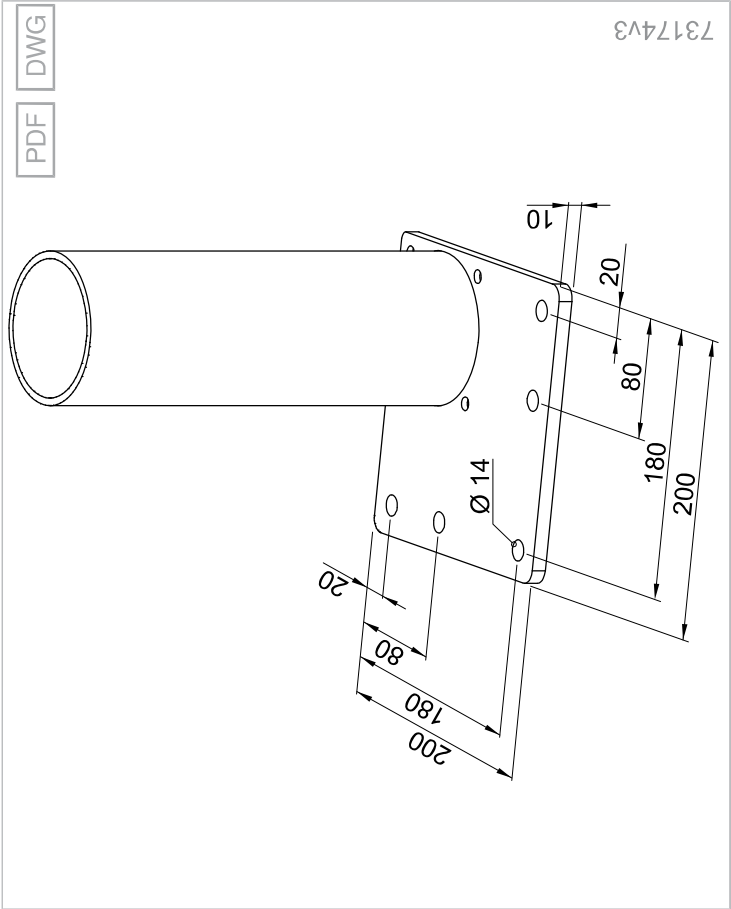


Fabric roofs
Lamaxa

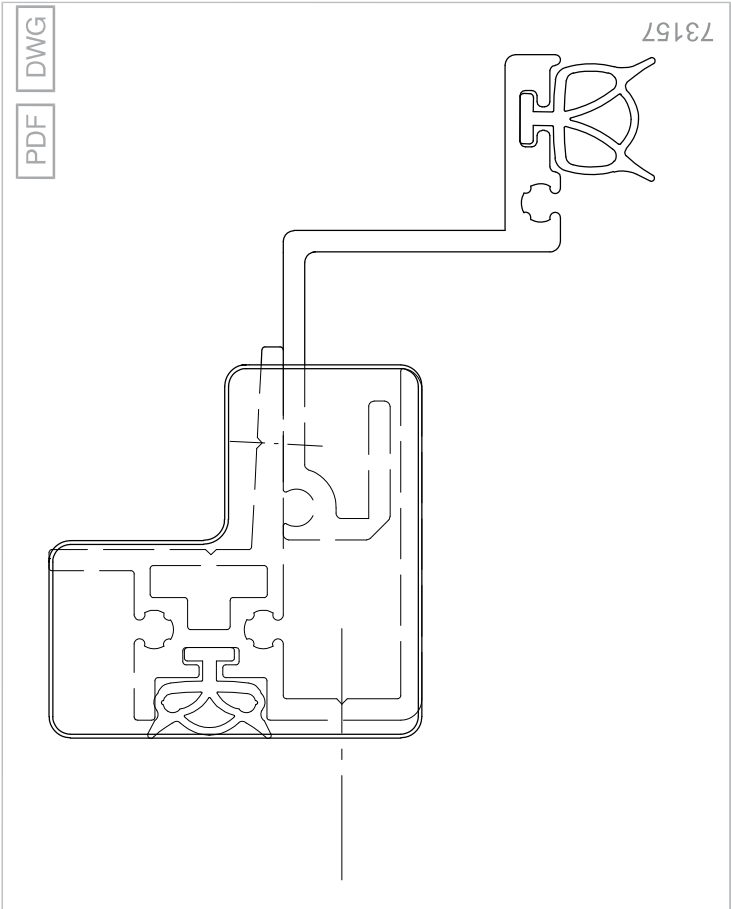
Supplementary
accessories

Drive
variants

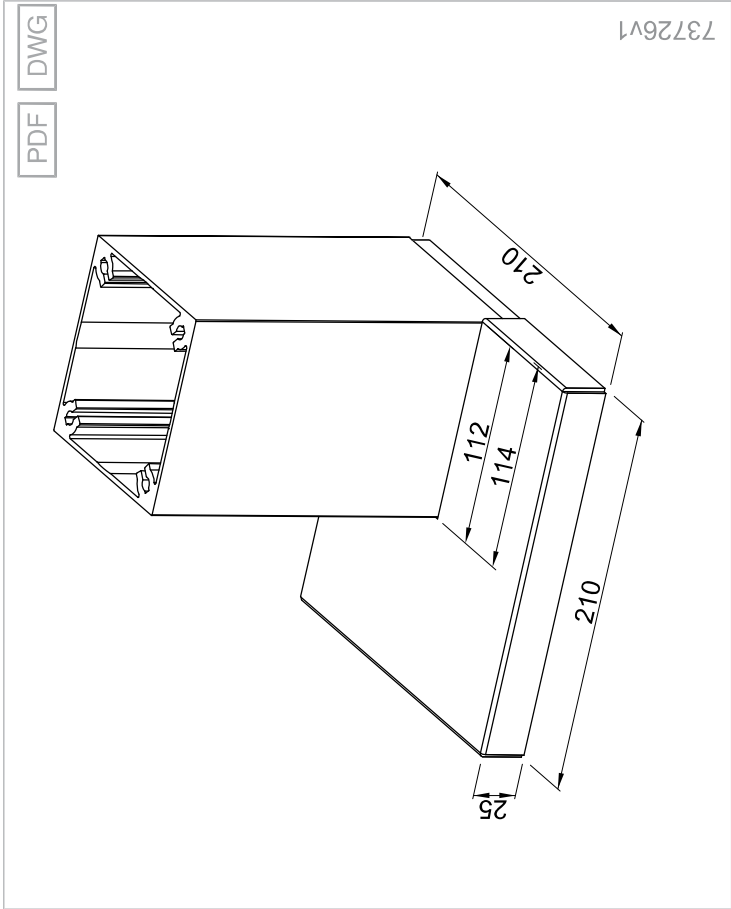
Base plate - L50



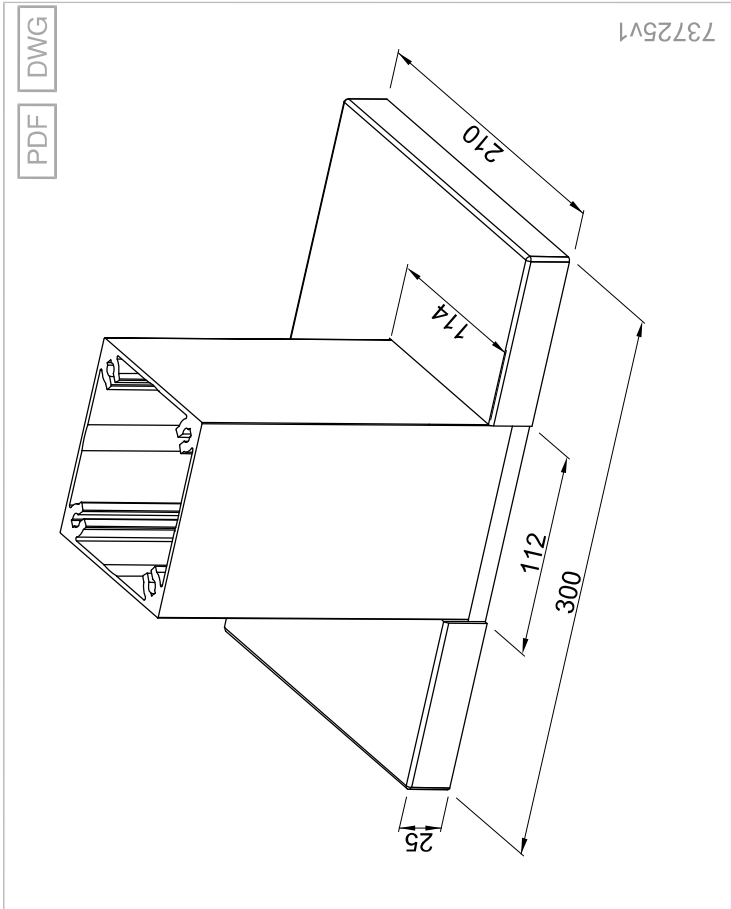
Wall connection profile with small rain hood - L50/L60/L70



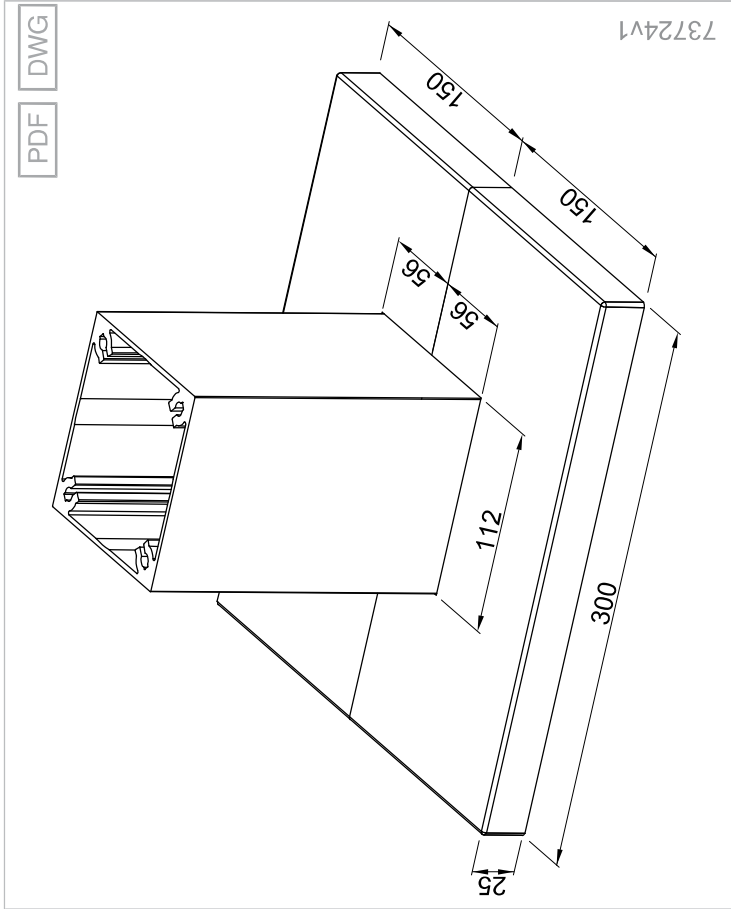
Corner installation base cover - L50



Recess installation base cover - L50



External base cover - L50



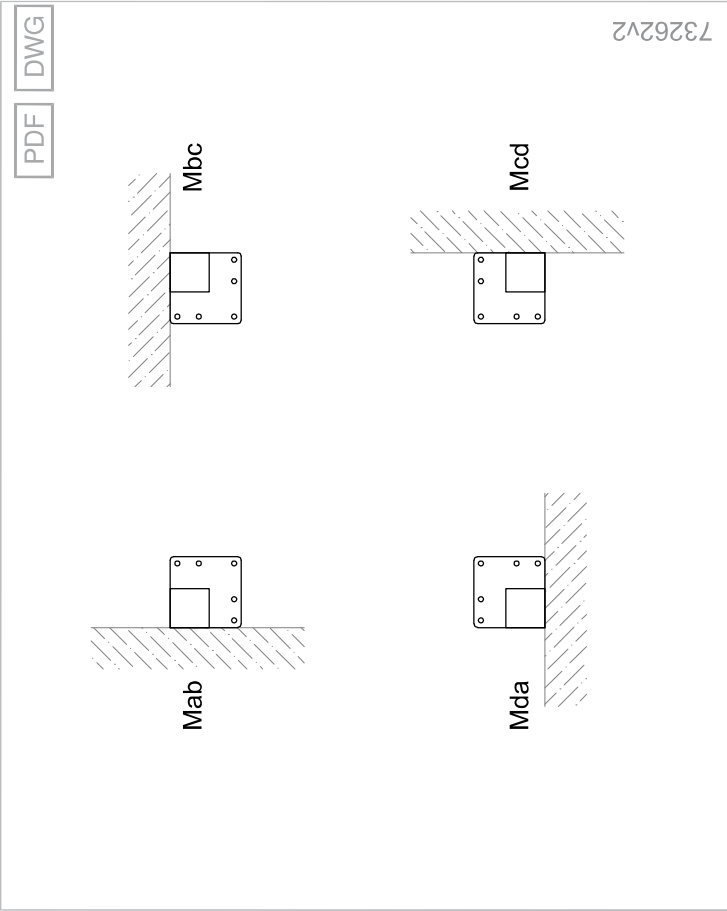
Additional product information

Pole installation options

Ground installation with frost-proof on-site foundation, see slat roof guidelines (IVRSA).

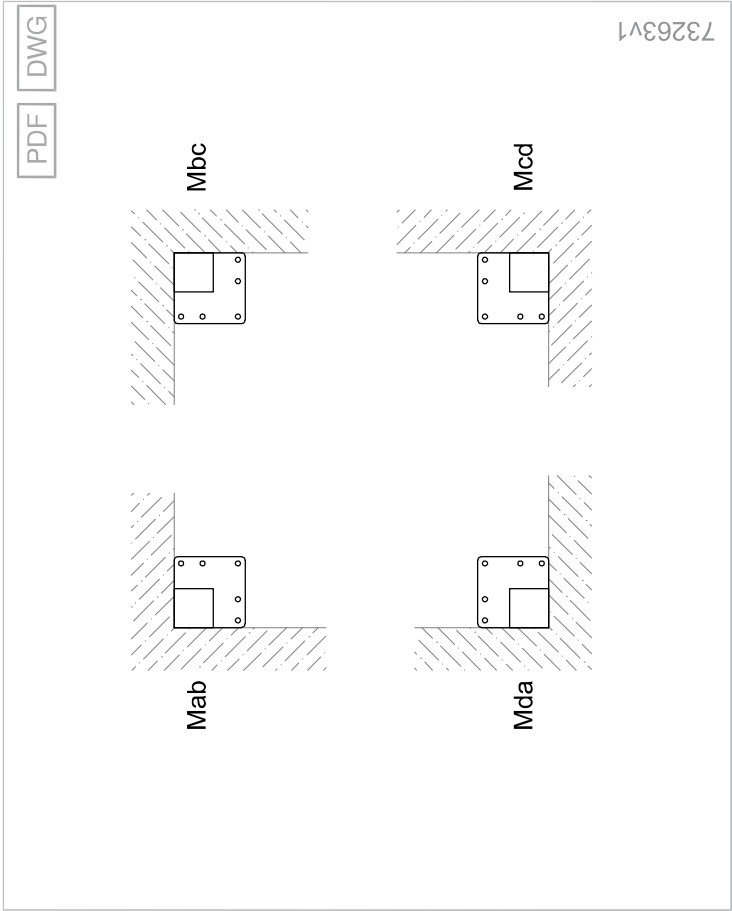
Mounting examples

Application of base plate for recess installation - L50



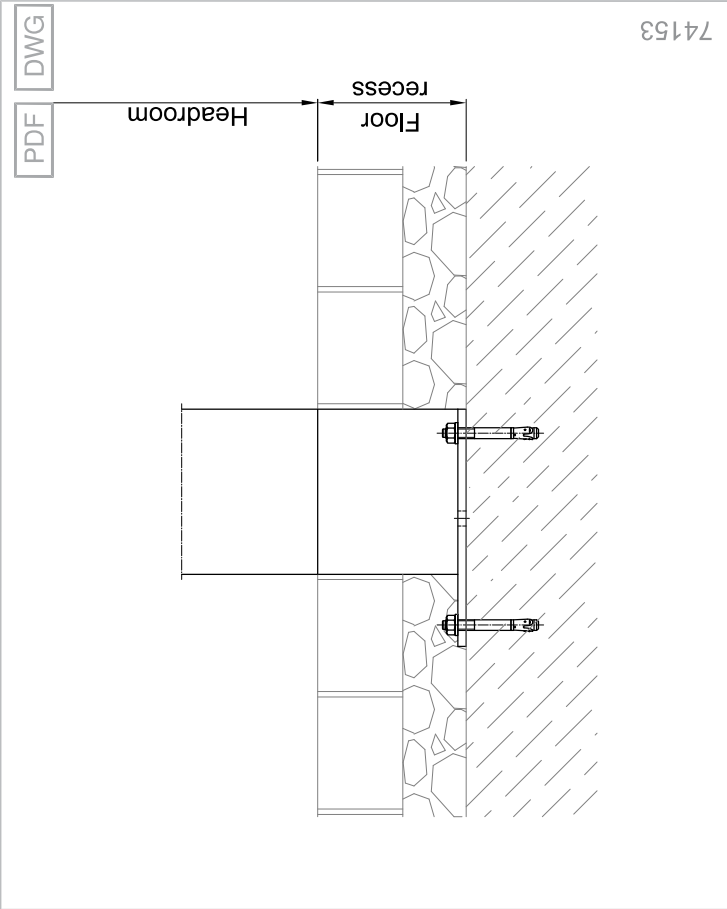
M Point of installation (pole or wall connection)

Application of corner installation base plate - L50

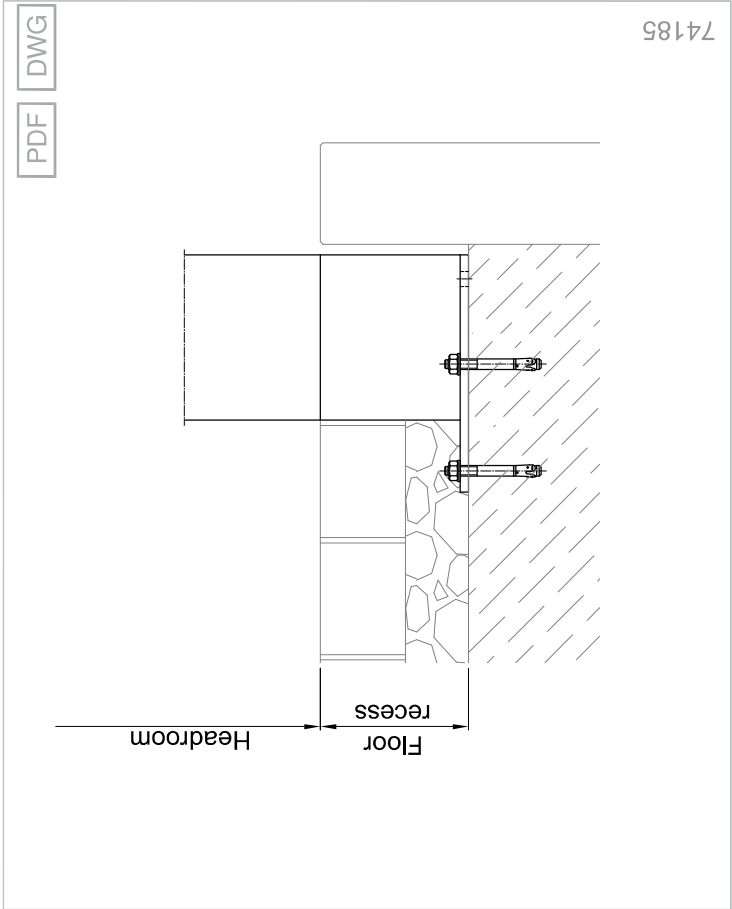


M Point of installation (pole or wall connection)

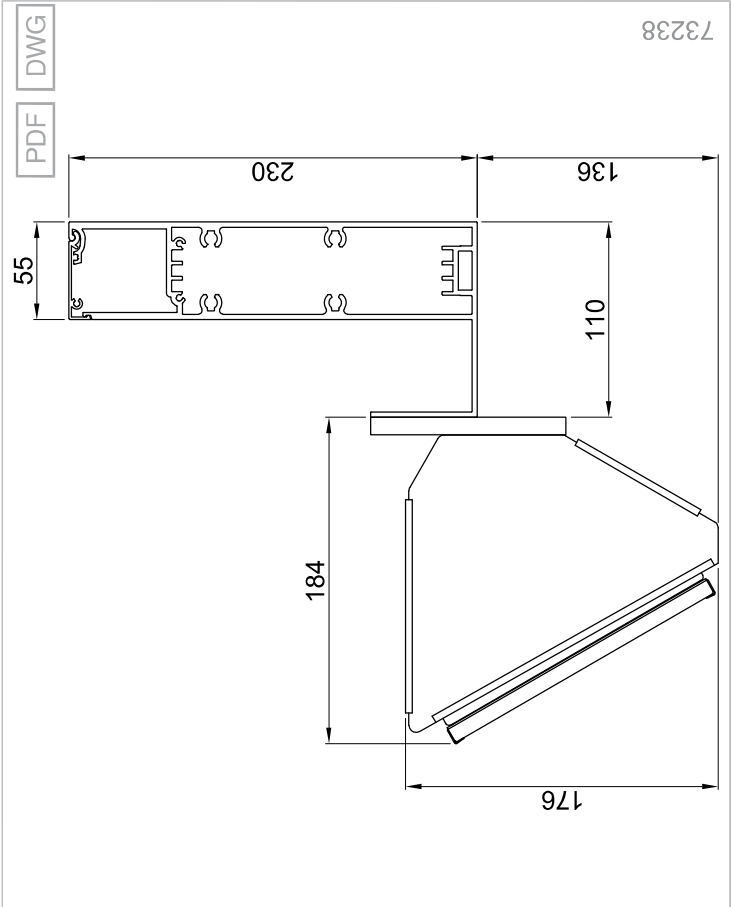
Fixing on concrete foundation



Fixing on concrete foundation (corner installation)



Design radiant heater on crossbeam - L50



Side view of wall connection - L50 Tex

