



## **FUTURE ALU. CURTAIN WALL SYSTEM CW-50**

COST EFFICIENT, DURABLE, COMFORTABLE, AETHETIC, AND LIGHTWEIGHT.



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# FUTURE ALUMINUM INDUSTRIES L.L.C

**FUTURE** Aluminum industry is a well renowned company that has been in the market for 20 years, providing exceptional products, advanced manufacturing equipment, state of the art quality procedures and satisfaction driven service. **FUTURE** Aluminum industries specialize in extruded Aluminum profiles from the simplest to the most complex, to be utilized in a variety of applications, From Structural components to decorative and architectural elements. **FUTURE** Aluminum industries extrusion plant is capable of producing Aluminum Extrusion 24,000 tons/ year Powder Coating 10,000 tons/ year.

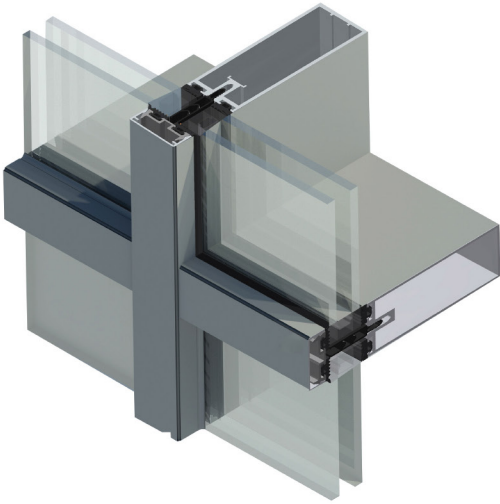
The prime objective of **FUTURE** Aluminum industries is to guarantee the best quality and logistics of supply, our company has established a very high standard quality check system in guaranteeing that all extruded profiles are of the highest caliber. **FUTURE** Aluminum industries use only the most modern, computerized, state of the art Italian machinery for producing the best quality Aluminum profiles. **FUTURE** sophisticated extrusion, Water quenching and powder coating machinery, guarantees that every profile From **FUTURE**, regardless of the complexity is of the highest standard and caliber.





# FUTURE ALU. SYSTEMS

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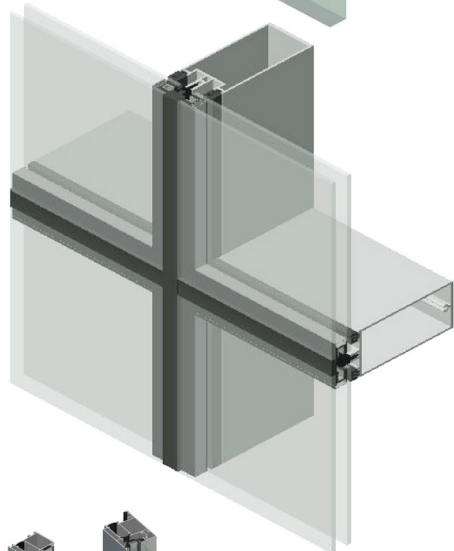
## **FUTURE ALU. CURTAIN WALL CW-36**

- **Glass Sizes:** 6-32 mm
- This is a new future slim line profile for a more delicate aesthetic.
- The profile is specifically designed to incorporate thermal comfort, and is Best in hot and cold weather.
- Available in horizontal and vertical capping.



## **FUTURE ALU. CURTAIN WALL CW-50**

- **Glass Sizes:** 22-50 mm
- CW-50 is a medium profile that creates a thick and semi-heavier aesthetic.
- The profile is specifically designed to incorporate thermal comfort, and is best in hot and cold weather.
- Available in horizontal and vertical 50mm capping.



## **FUTURE ALU. CURTAIN WALL CW-60**

- **Glass Sizes:** 22-44 mm
- CW-60 is a thick profile that creates a heavier aesthetic.
- The profile is specifically designed to incorporate thermal comfort, and is best in hot and cold weather.
- Available in horizontal and vertical 60mm capping.



## **FUTURE ALU. HINGED DOOR D-70**

- **Glass Sizes:** 22-42 mm
- D-70 is a framed hinged door system with 70 mm frame and profile thickness.
- D70 can be singular leaf or double leaf.
- The door may be used for interior and exterior with several variations of thresholds options.

## FUTURE ALU. LIFT AND SLIDE S-160

- **Glass Sizes:** 24-42mm
- Maximum door height can go up to 2600 mm.
- Thermally broken sliding door system with 70 mm sash depth and 160mm frame.
- Two types of lift and slide are available, one-side sliding door, and double sliding door.

## FUTURE ALU. SLIDING DOOR S-117

- **Glass Sizes:** 20-32mm
- Maximum door height can go up to 2400 mm.
- Thermally broken sliding door system with 80 mm sash depth and 117mm frame.
- Two types of lift and slide are available, one-side sliding door, and double sliding door.

## FUTURE ALU. TILT AND TURN W-70

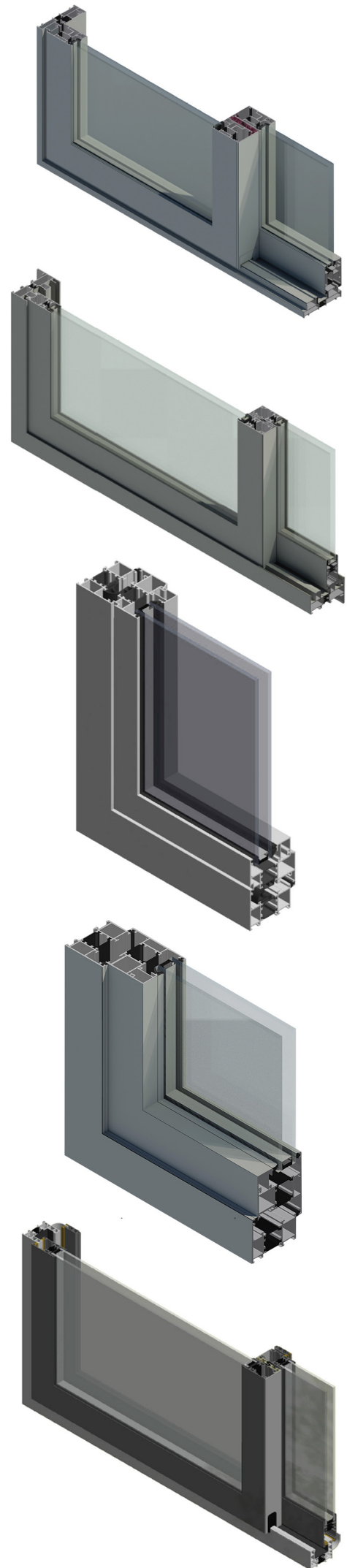
- **Glass Sizes:** 24-42 mm
- TILT AND TURN, an aluminium framed window system that opens the window from the top handle.
- Hinges are attached on the bottom corners of the profile, allowing the window to open-in
- Hinges on one side may be attached to transform the Tilt and turn into a hinged window.
- Maximum door Window can go up to 2700 mm.

## FUTURE ALU. TOP HUNG W-70

- **Glass Sizes:** 24-42 mm
- TOP HUNG, an aluminium framed window system that opens the window from the bottom handle.
- Hinges are attached on the top corners of the profile, allowing the window to open-out
- Maximum door Window can go up to 1300 mm.

## FUTURE ALU. SLIDING WINDOW W-70

- **Glass Sizes:** 24-32mm
- Maximum window height can go up to 1500 mm.
- Thermally broken sliding window system with 73mm sash depth and 70mm frame.
- Two types of sliding window are available, one-side sliding door, and double sliding door.





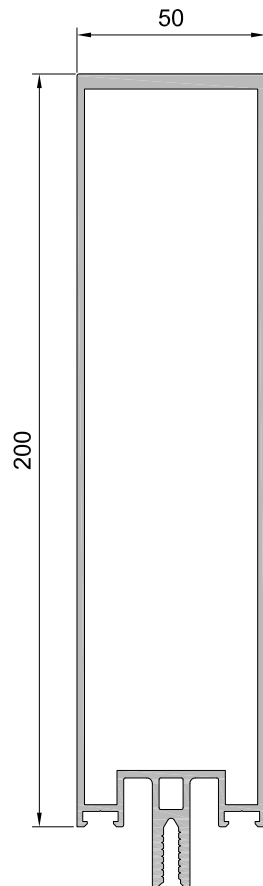
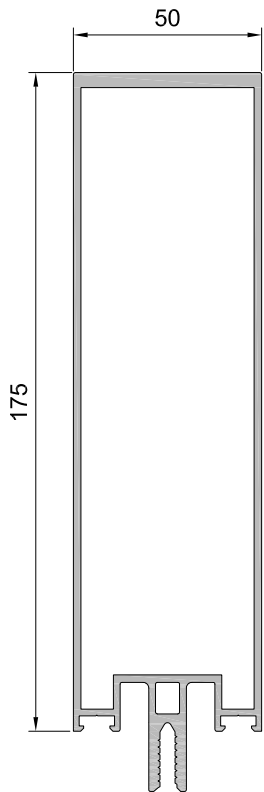
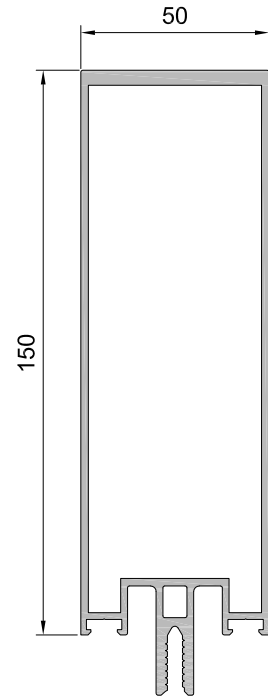
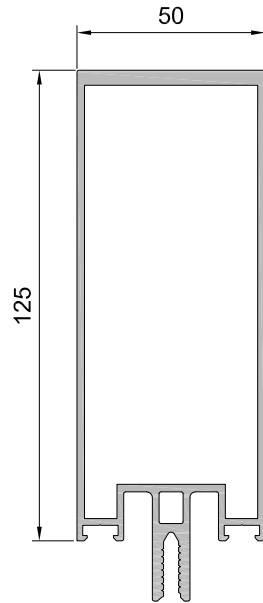
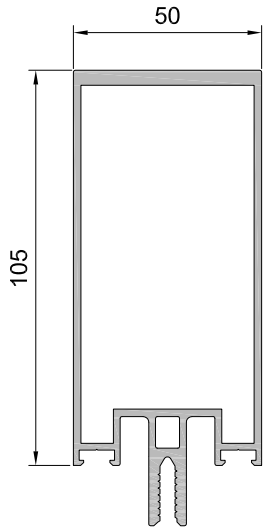
The curtain wall gives the architect the opportunity to create stunning Building envelopes. Our façade series is one of the most comprehensive curtain walling systems on the Aluminium systems market. Slim sight lines through sheer glazed facades are basic design parameters. Façade series 50 provides a range of transoms and mullions with 50mm cover caps /sight lines. Where the curtain wall demands performance and large mullion & transom spans for a single or a multi -storey ,a range of high Ixx value mullions and transoms achieve the design requirements standardizing with the same 50mm sightlines. Design options expand to various design features of cover caps which will enhance the aesthetics of curtain wall facade.

- Standard curtain wall system with 50 face width.
- Mullion and transom to minimal off-cuts to quick assembly and installation.
- Identical profiles for mullion and transom, straight cutting, no transom profile notching: minimal off-cuts, rational manufacture and installation.
- Transom connection minimal edge radius to enhance visual appearance.
- Overall good façade aesthetics.
- Custom design solutions to architectural requirement.
- Fully tested system terms of air- water permeability, wind pressure.
- Different mullion depths to cater severe weather conditions.



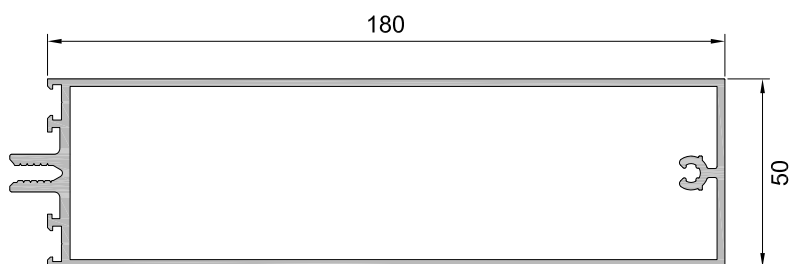
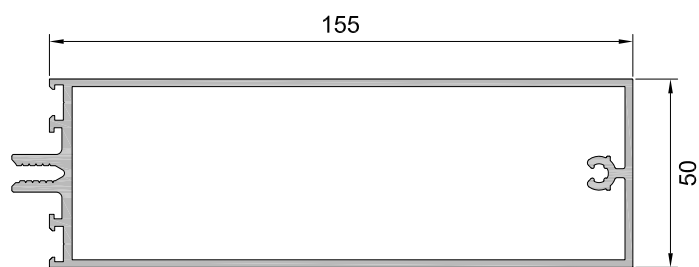
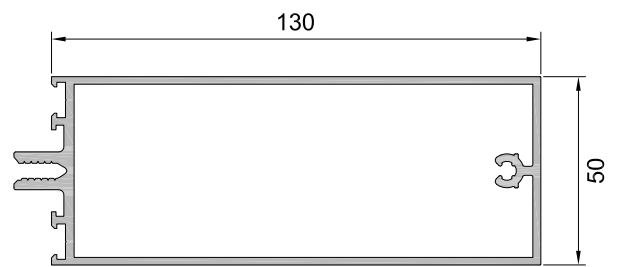
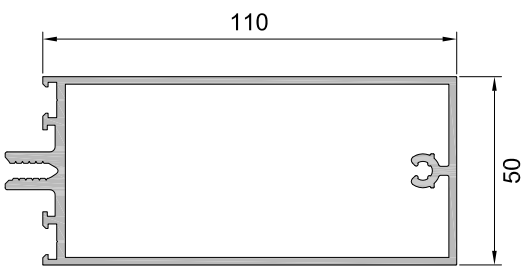
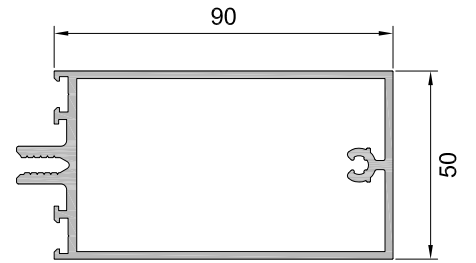
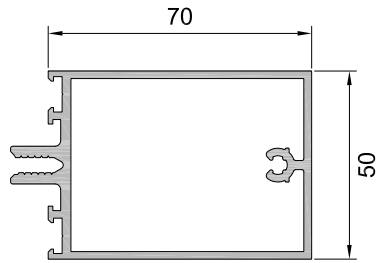
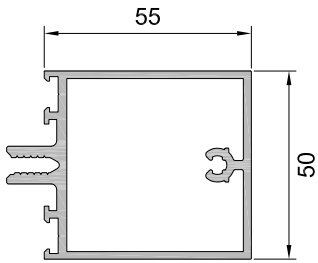
NEW FUTURE ALU. CW-50 CURTAIN WALL SYSTEM

# PROFILES

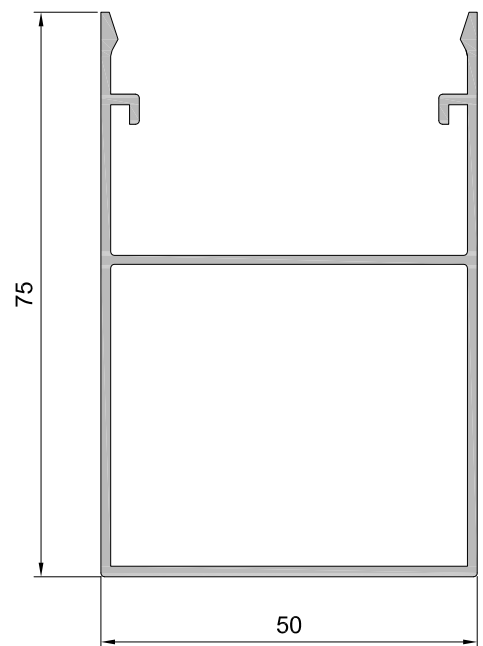
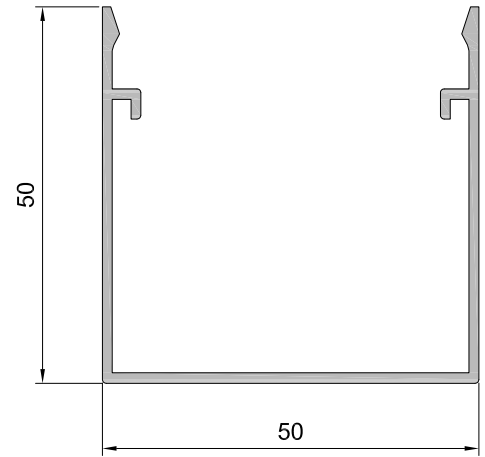
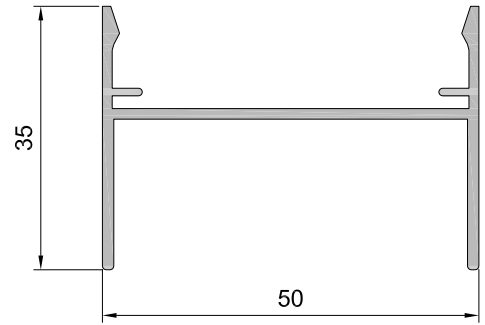
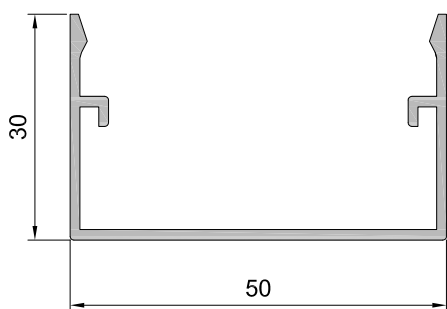
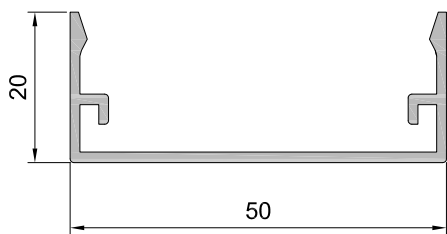
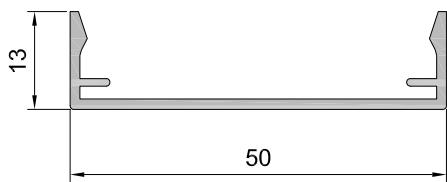
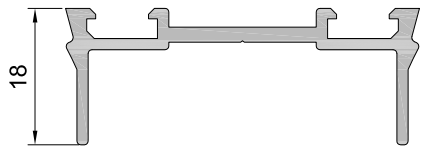
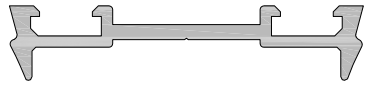




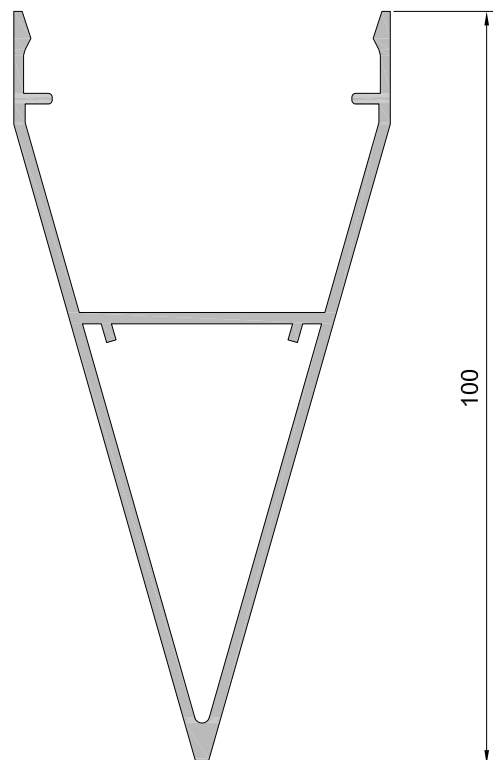
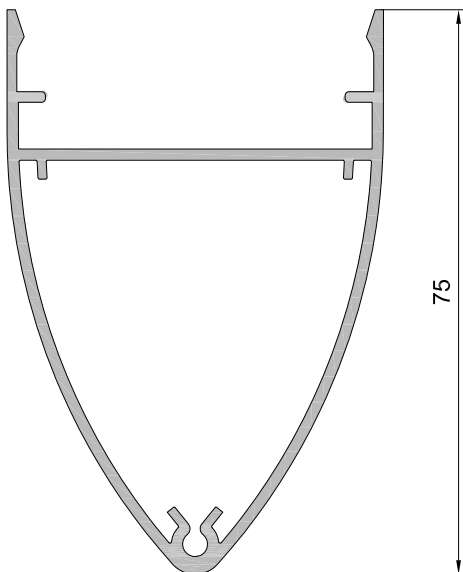
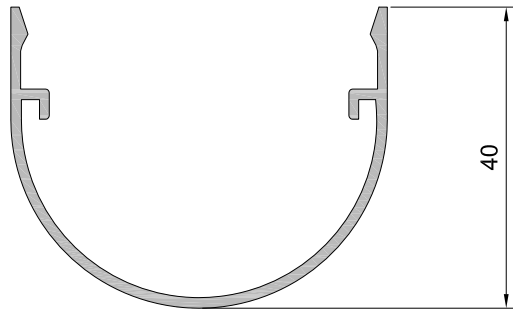
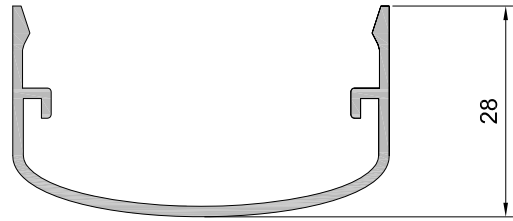
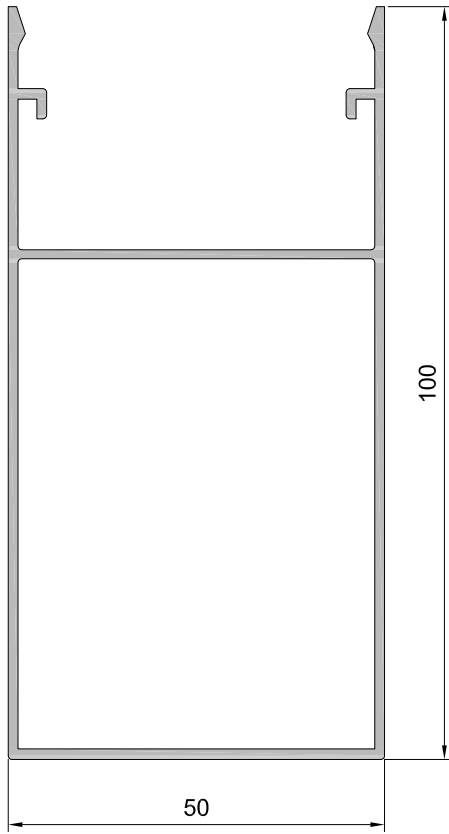
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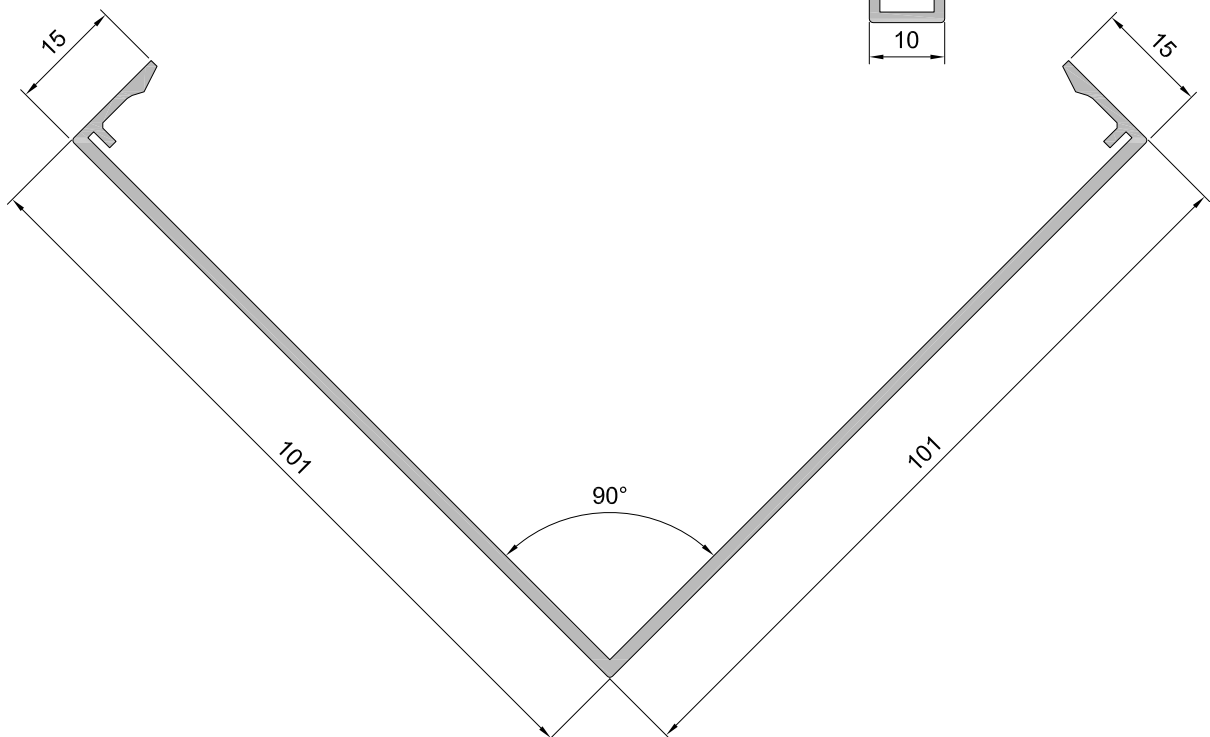
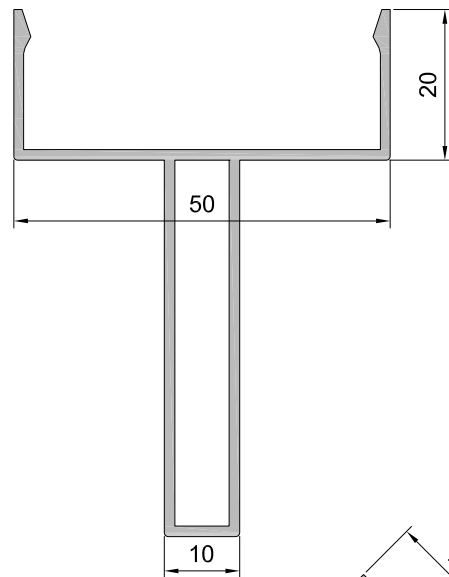
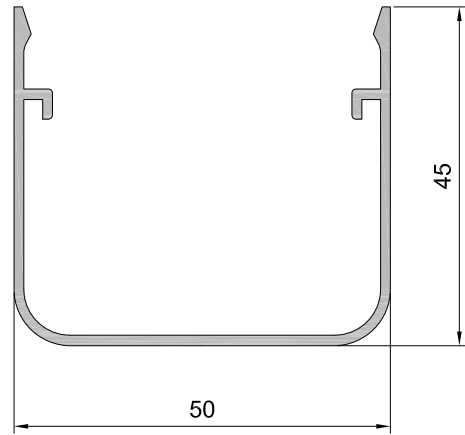
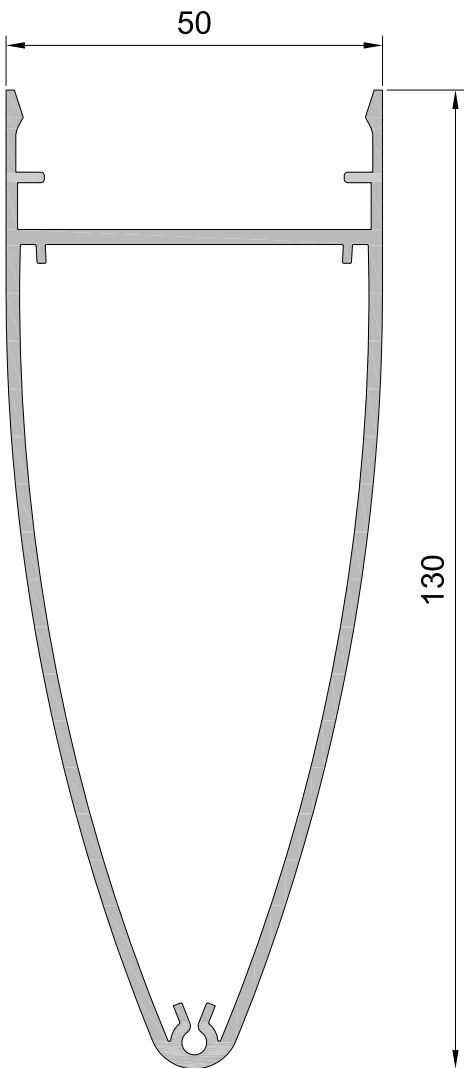
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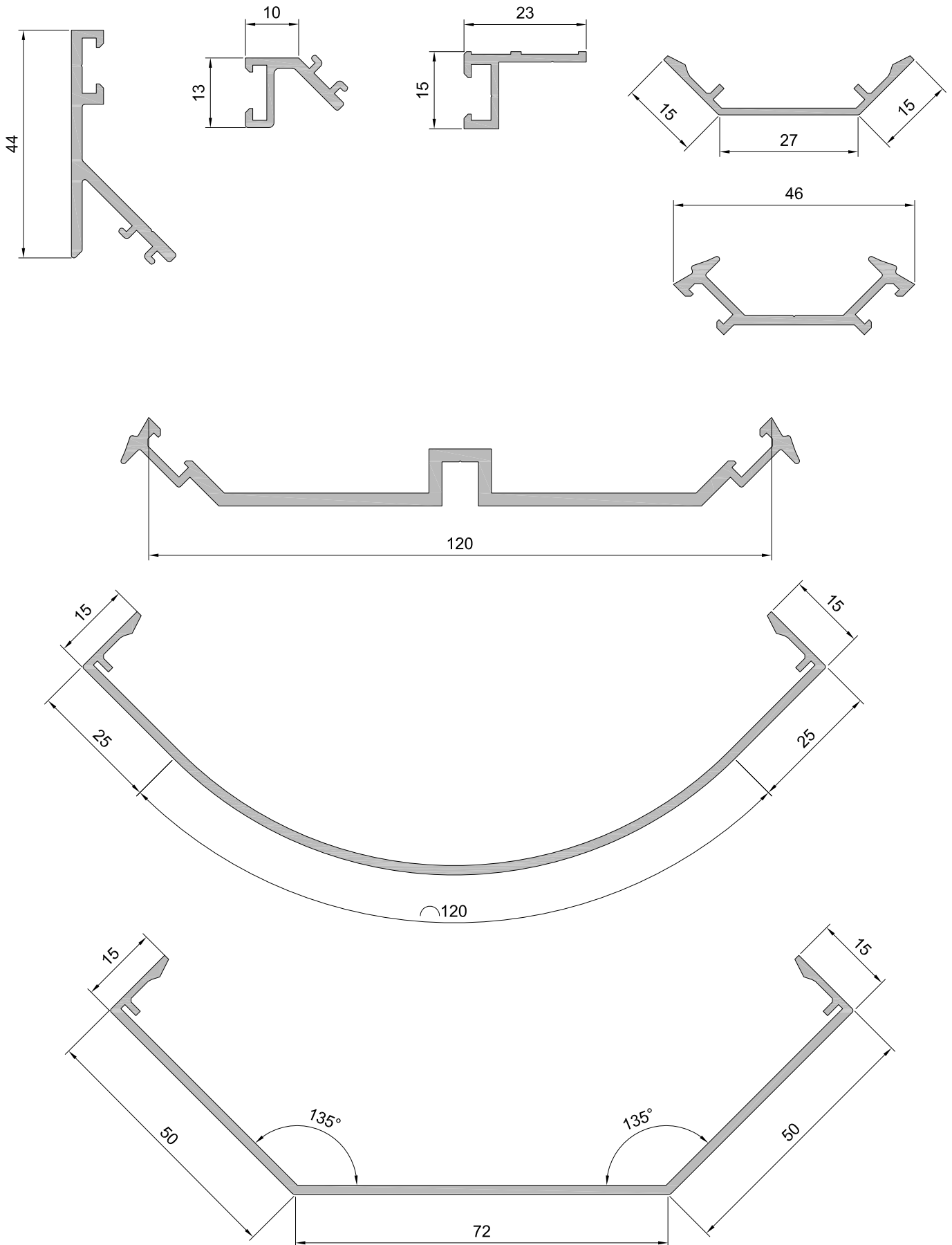
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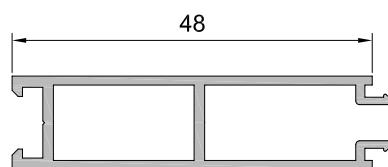
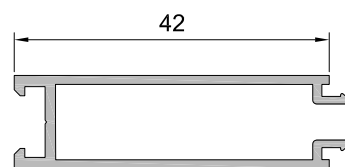
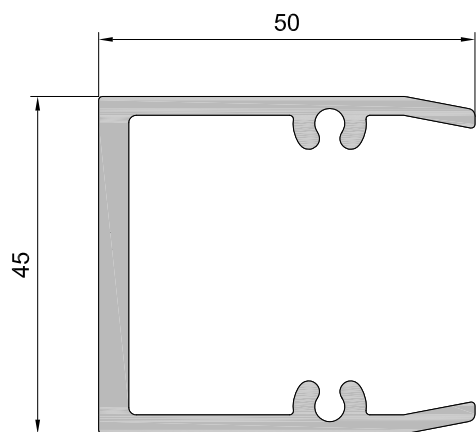
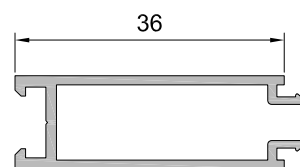
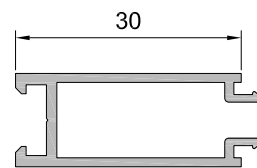
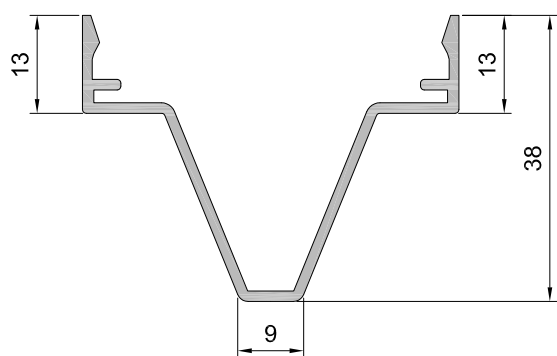
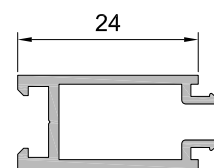
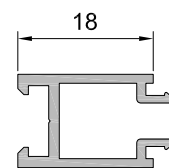
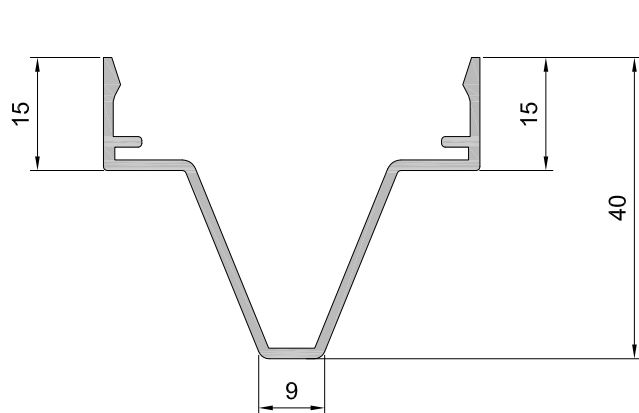
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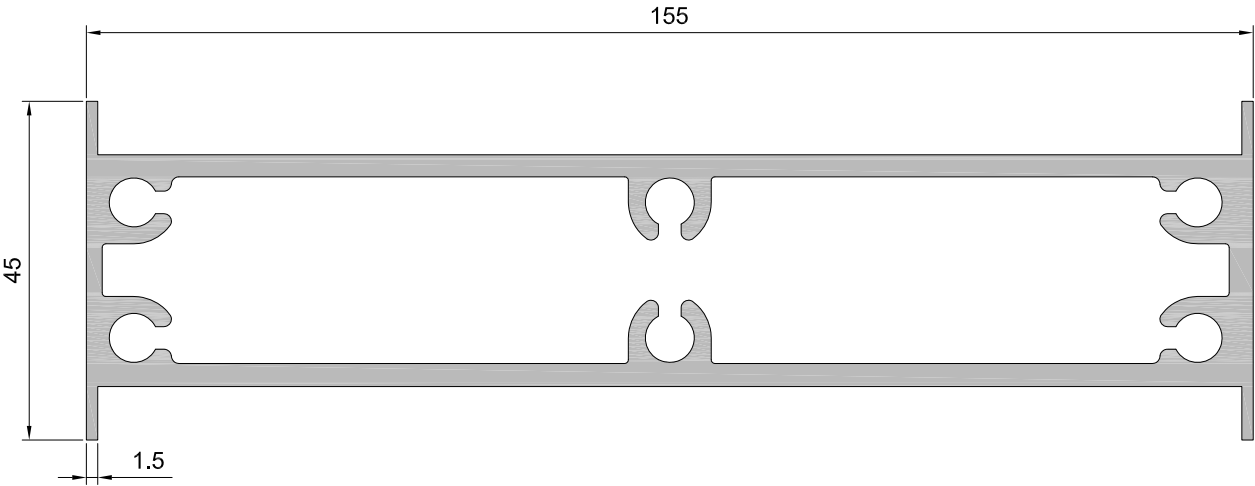
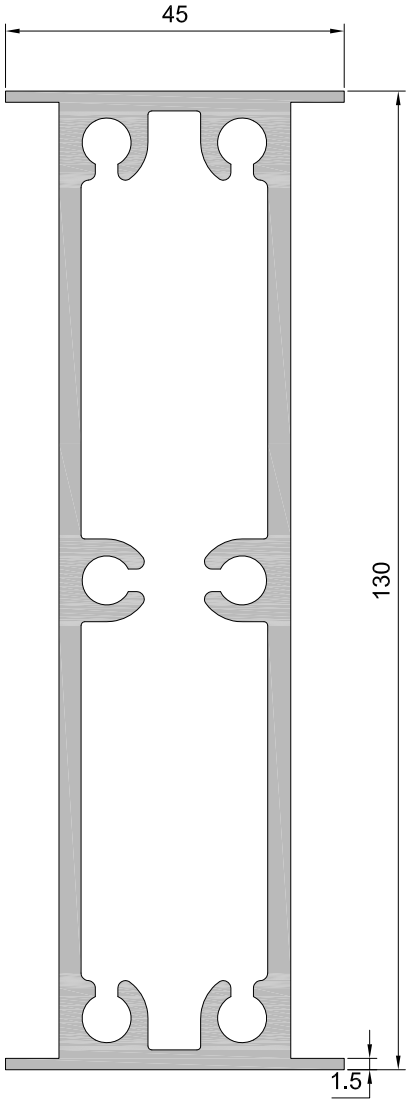
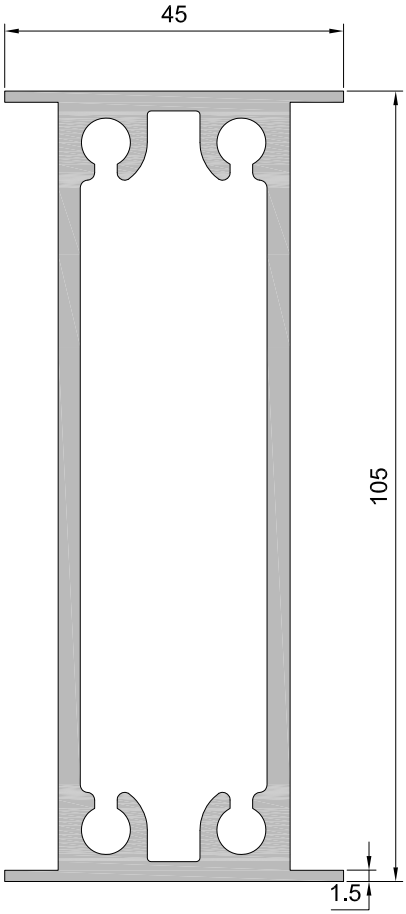
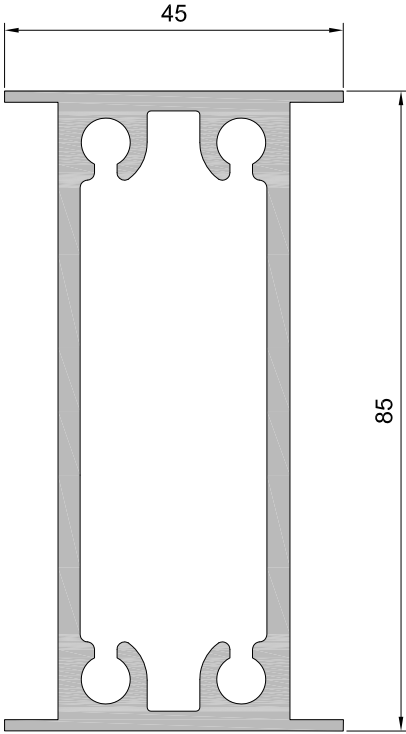
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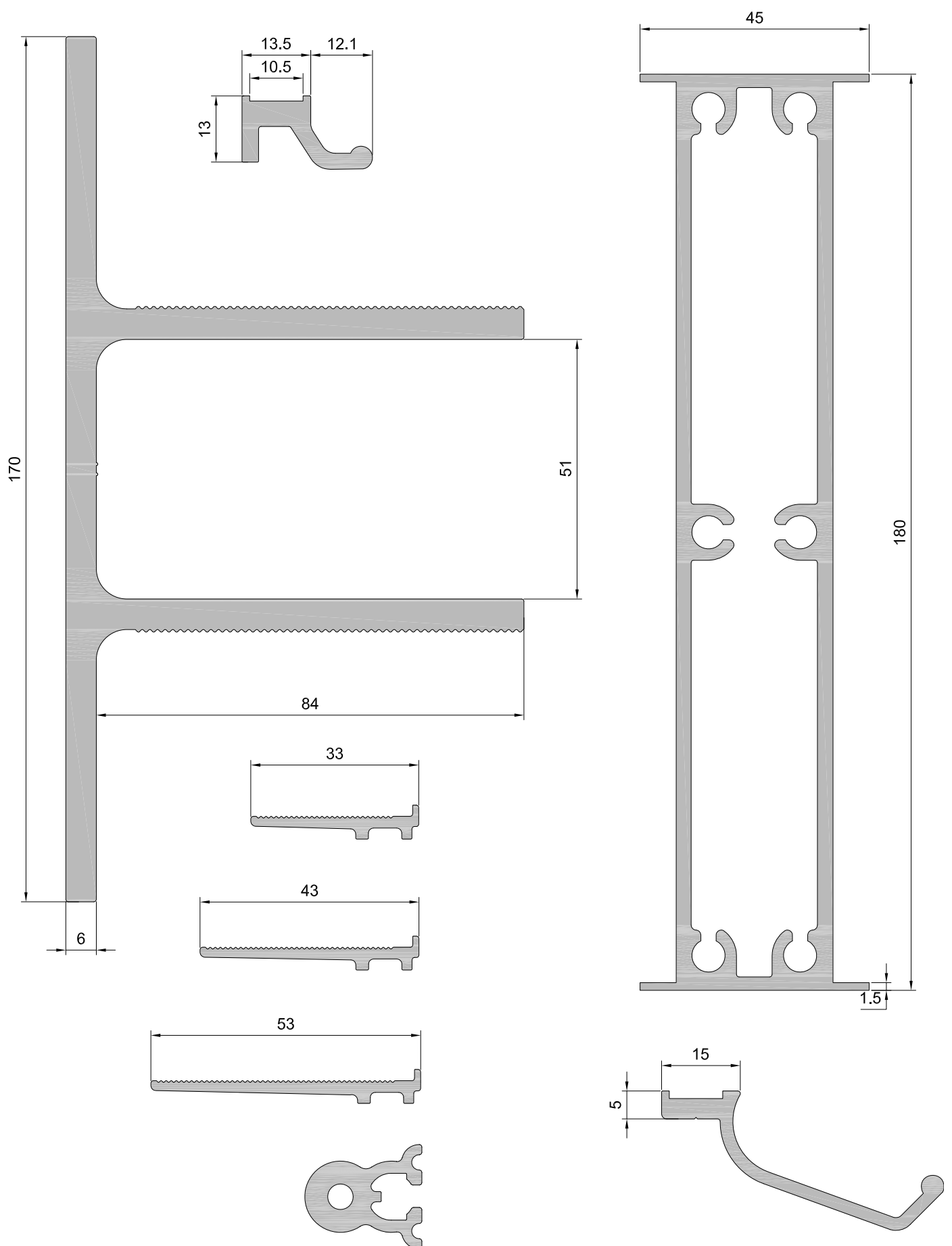
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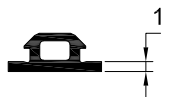
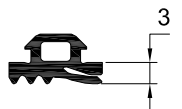
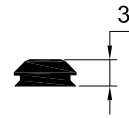
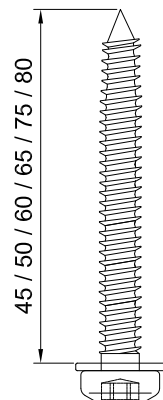
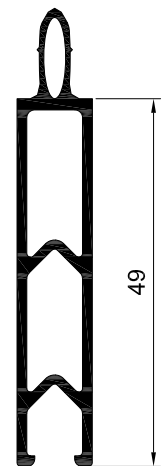
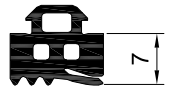
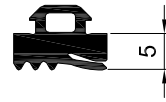
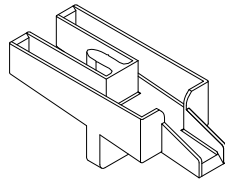
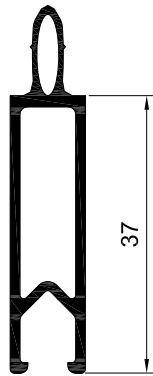
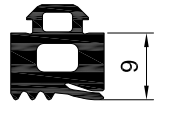
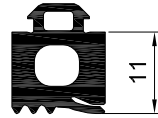
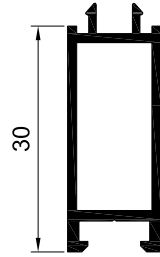
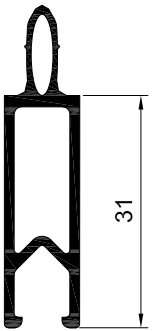
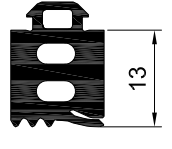
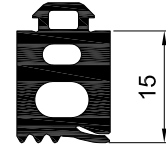
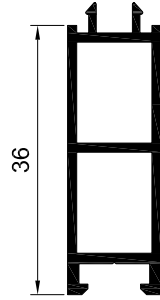
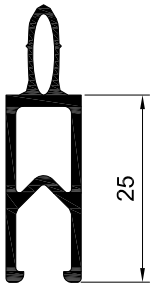


# PROFILES






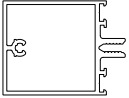








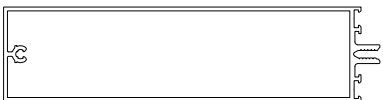
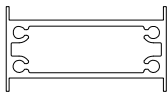


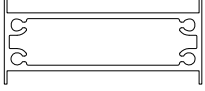
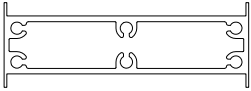
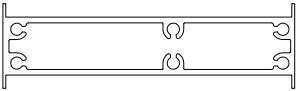
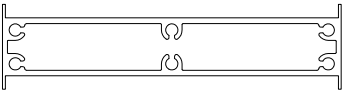

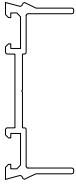

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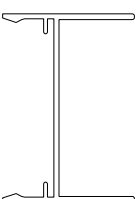
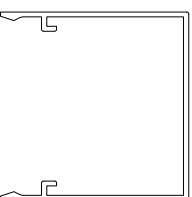
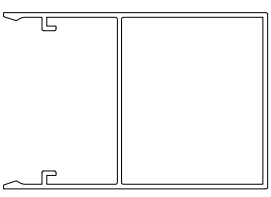



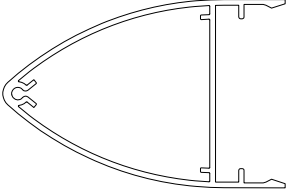
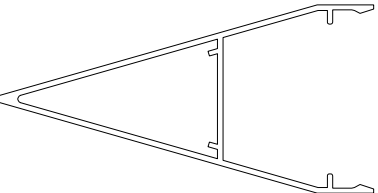
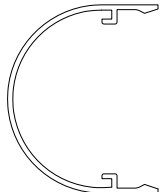

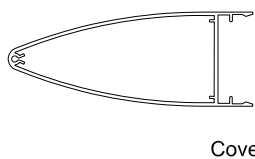
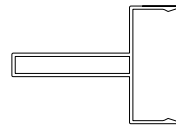
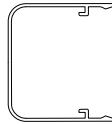
# PROFILE DATA

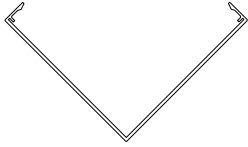
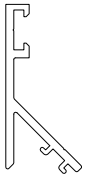
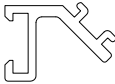

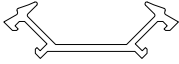


Profile Reference	Profile Section	Weight KG/M	Ix cm4	Iy cm4	Wx cm3	Wy cm3
PD-20215	 <p>Mullion 110mm</p>	2.44	156.96	29.94	25.10	11.97
PD-20216	 <p>Mullion 125mm</p>	2.66	235.00	34.55	32.71	13.81
PD-20217	 <p>Mullion 150mm</p>	2.93	360.43	40.31	43.08	16.12
PD-20218	 <p>Mullion 175mm</p>	3.20	519.47	46.08	54.34	18.43
PD-20219	 <p>Mullion 200mm</p>	3.54	715.57	52.88	66.11	21.15
PD-20220	 <p>Transom 55mm</p>	1.55	27.97	16.72	8.25	6.69
PD-20221	 <p>Transom 70mm</p>	1.71	48.90	20.17	11.96	8.07


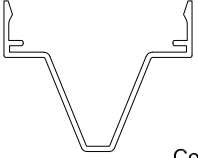
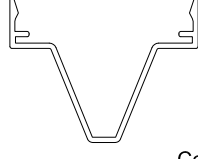
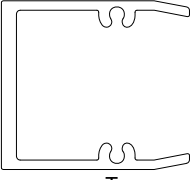
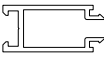
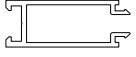
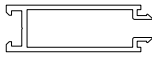
Profile Reference	Profile Section	Weight KG/M	IX cm4	IY cm4	WX cm3	WY cm3
PD-20222	 <p>Transom 90mm</p>	1.93	87.94	24.79	17.47	9.91
PD-20223	 <p>Transom 110mm</p>	2.15	141.20	29.40	23.50	11.76
PD-20224	 <p>Transom 130mm</p>	2.36	210.27	34.01	29.84	13.60
PD-20225	 <p>Transom 155mm</p>	2.63	321.33	39.77	38.57	15.91
PD-20226	 <p>Transom 180mm</p>	2.91	462.73	45.57	48.15	18.21
PD-20227	 <p>Transom 205mm</p>	3.23	637.63	52.14	58.65	20.85
PD-20262	 <p>Reinforcement Profile 85mm</p>	2.27	80.44	13.05	3.50	0.31

Profile Reference	Profile Section	Weight KG/M	IX cm4	IY cm4	WX cm3	WY cm3
PD-20263	 <p>Reinforcement Profile 105mm</p>	2.60	136.41	15.39	2.60	0.68
PD-20264	 <p>Reinforcement Profile 130mm</p>	3.25	233.72	19.00	4.45	0.84
PD-20265	 <p>Reinforcement Profile 155mm</p>	3.66	366.97	21.94	4.70	0.97
PD-20266	 <p>Reinforcement Profile 180mm</p>	4.06	536.77	24.84	5.96	1.10
PD-20228	 <p>Pressure plate</p>	0.354	-	-	-	-
PD-20229	 <p>Pressure Plate</p>	0.424	-	-	-	-
PD-20230	 <p>Cover Cap</p>	0.305	-	-	-	-

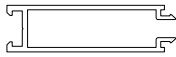
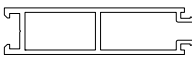
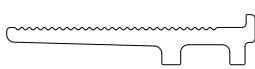
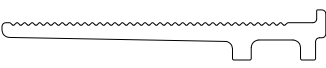
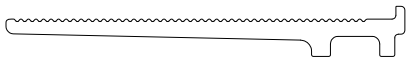
Profile Reference	Profile Section	Weight KG/M	IX cm4	IY cm4	WX cm3	WY cm3
PD-20231	 Cover Cap	0.319	-	-	-	-
PD-20232	 Cover Cap	0.380	-	-	-	-
PD-20233	 Cover Cap	0.450	-	-	-	-
PD-20234	 Cover Cap	0.481	-	-	-	-
PD-20235	 Cover Cap	0.591	-	-	-	-
PD-20236	 Cover Cap	0.922	-	-	-	-
PD-20237	 Cover Cap	1.098	-	-	-	-

Profile Reference	Profile Section	Weight KG/M	IX cm4	IY cm4	WX cm3	WY cm3
PD-20238	 Cover Cap	0.953	-	-	-	-
PD-20239	 Cover Cap	1.015	-	-	-	-
PD-20240	 Cover Cap	0.456	-	-	-	-
PD-20241	 Cover Cap	0.406	-	-	-	-
PD-20242	 Cover Cap	1.639	-	-	-	-
PD-20243	 Cover Cap	0.740	-	-	-	-
PD-20244	 Cover Cap	0.534	-	-	-	-

Profile Reference	Profile Section	Weight KG/M	IX cm4	IY cm4	WX cm3	WY cm3
PD-20245	 Cover Cap	1.104	-	-	-	-
PD-20246	 Adaptor	0.462	-	-	-	-
PD-20247	 Adaptor	0.205	-	-	-	-
PD-20248	 Cover Cap	0.342	-	-	-	-
PD-20249	 Pressure Plate	0.353	-	-	-	-
PD-20250	 Pressure Plate	1.084	-	-	-	-
PD-20251	 Cover Cap	0.946	-	-	-	-

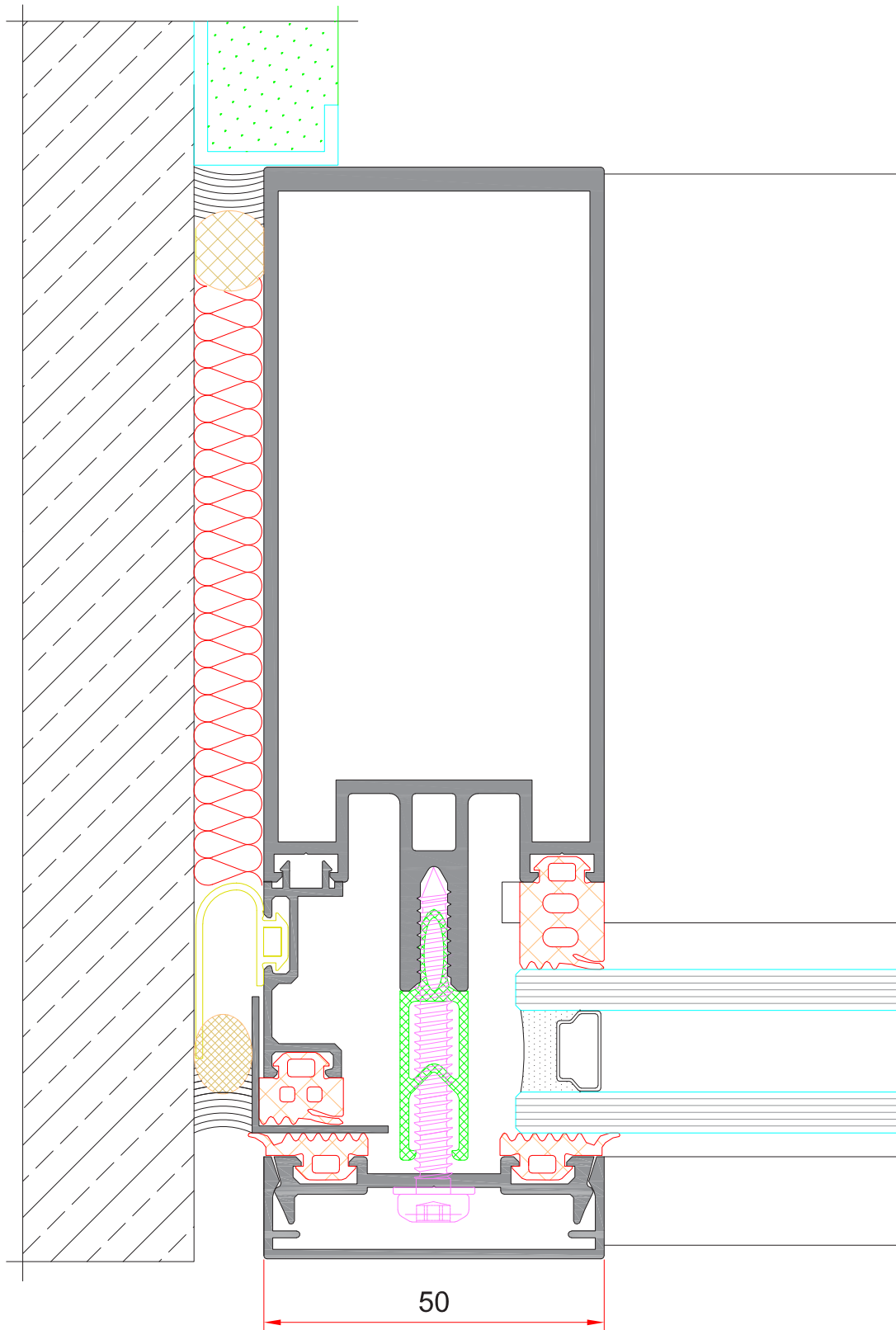
Profile Reference	Profile Section	Weight KG/M	IX cm4	IY cm4	WX cm3	WY cm3
PD-20252	 Cover Cap	0.956	-	-	-	-
PD-20253	 Cover Cap	0.453	-	-	-	-
PD-20254	 Cover Cap	0.439	-	-	-	-
PD-20255	 Transom Connector	1.234	-	-	-	-
PD-20256	 Adaptor	0.245	-	-	-	-
PD-20257	 Adaptor	0.284	-	-	-	-
PD-20258	 Adaptor	0.322	-	-	-	-



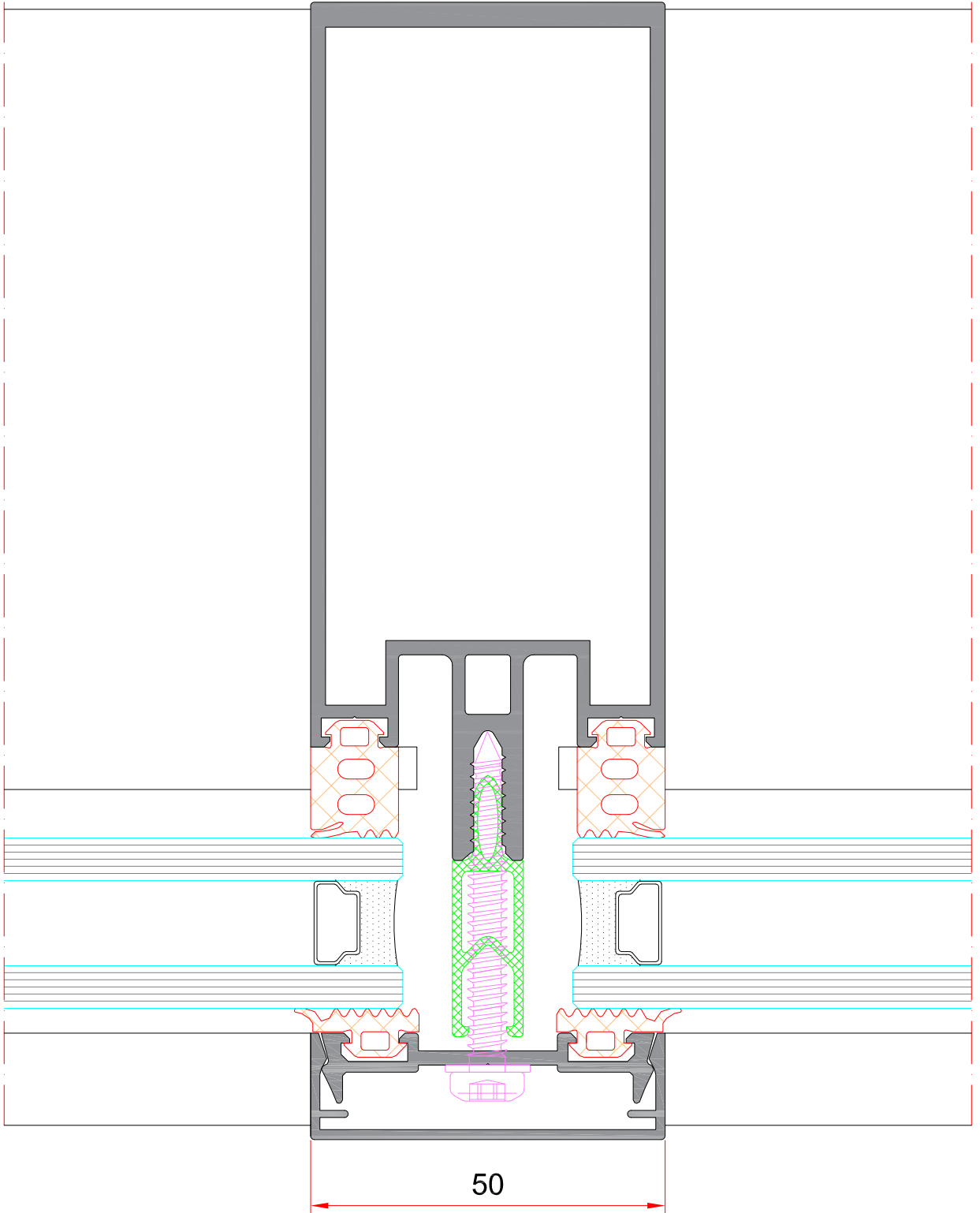
Profile Reference	Profile Section	Weight KG/M	IX cm4	IY cm4	WX cm3	WY cm3
PD-20259	 <p>Adaptor</p>	0.361	-	-	-	-
PD-20260	 <p>Adaptor</p>	0.438	-	-	-	-
PD-20268	 <p>Glass Support Block</p>	0.226	-	-	-	-
PD-20269	 <p>Glass Support Block</p>	0.282	-	-	-	-
PD-20270	 <p>Glass Support Block</p>	0.356	-	-	-	-



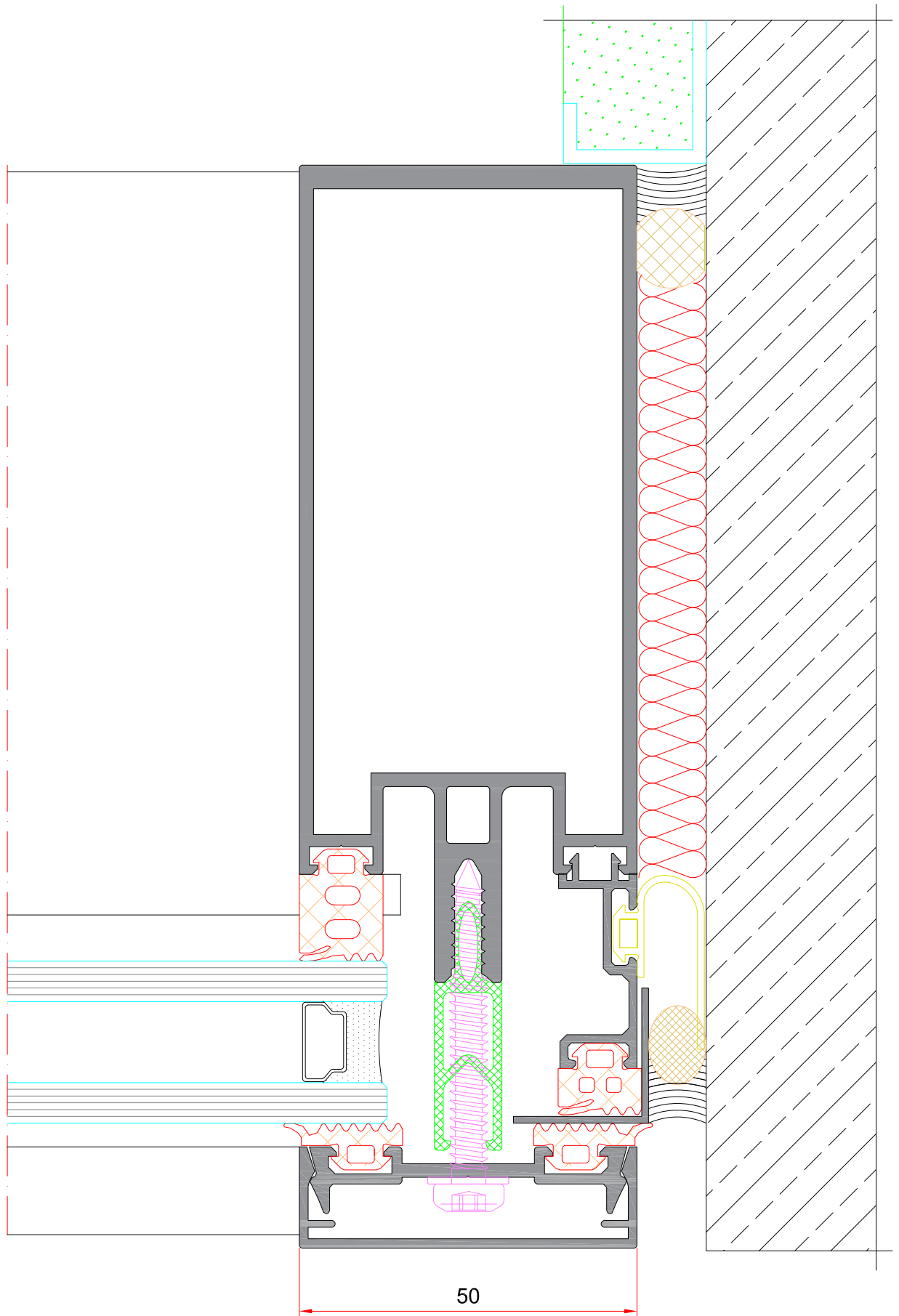
ASSEMBLY DRAWINGS WITH CAP



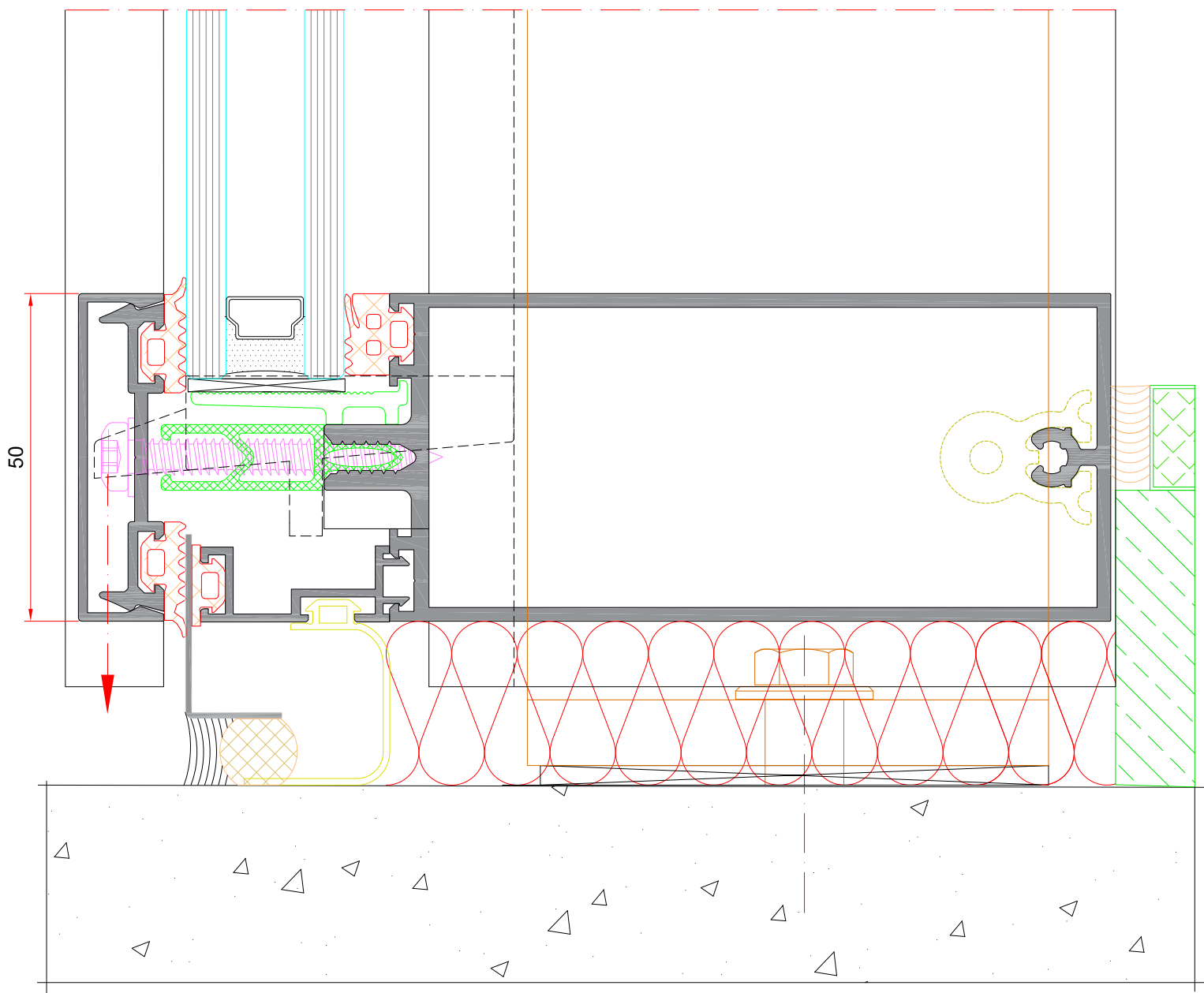
MULLION SECTION JAMB DETAIL



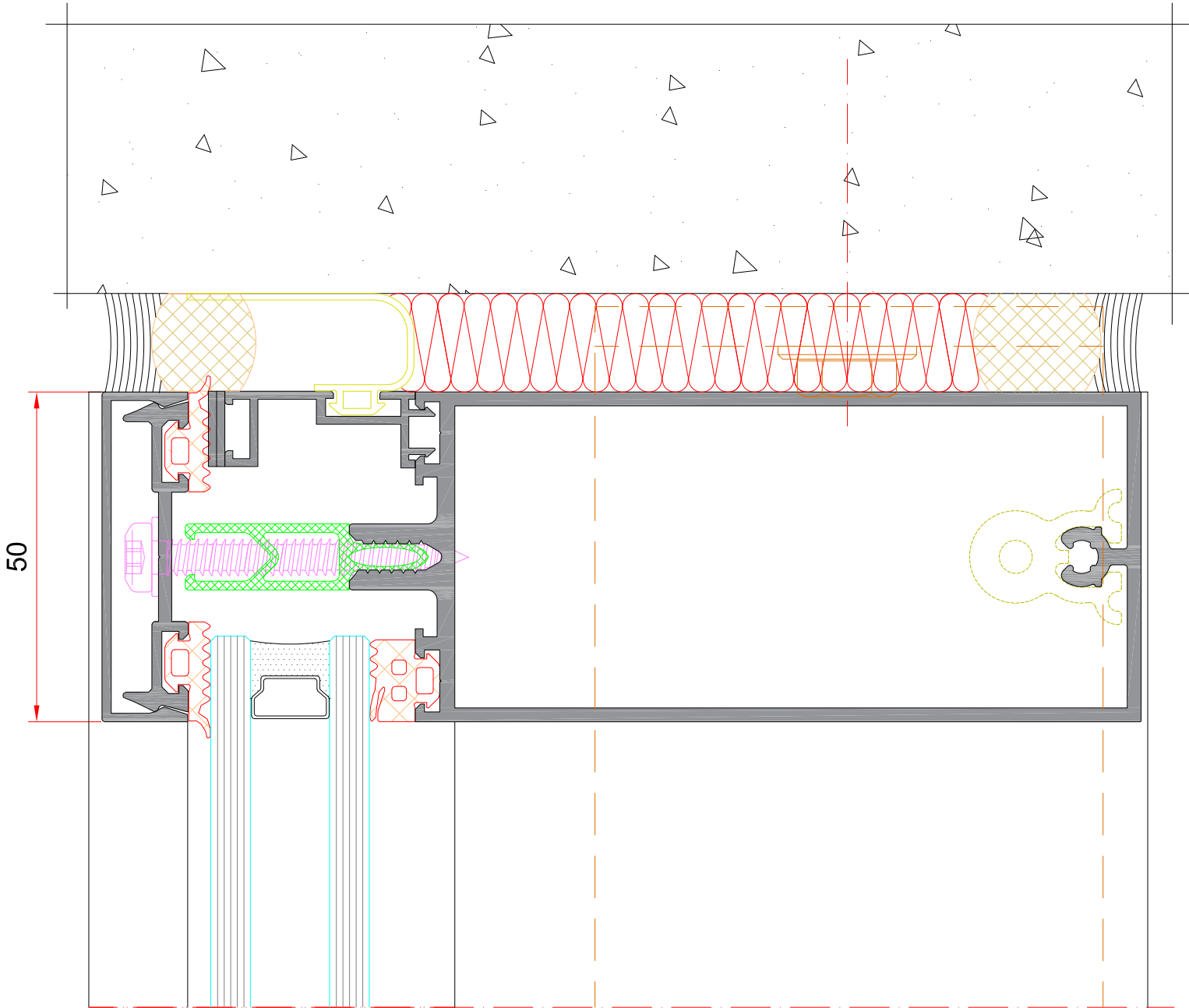
**MULLION SECTION  
INTERMEDIATE DETAIL**



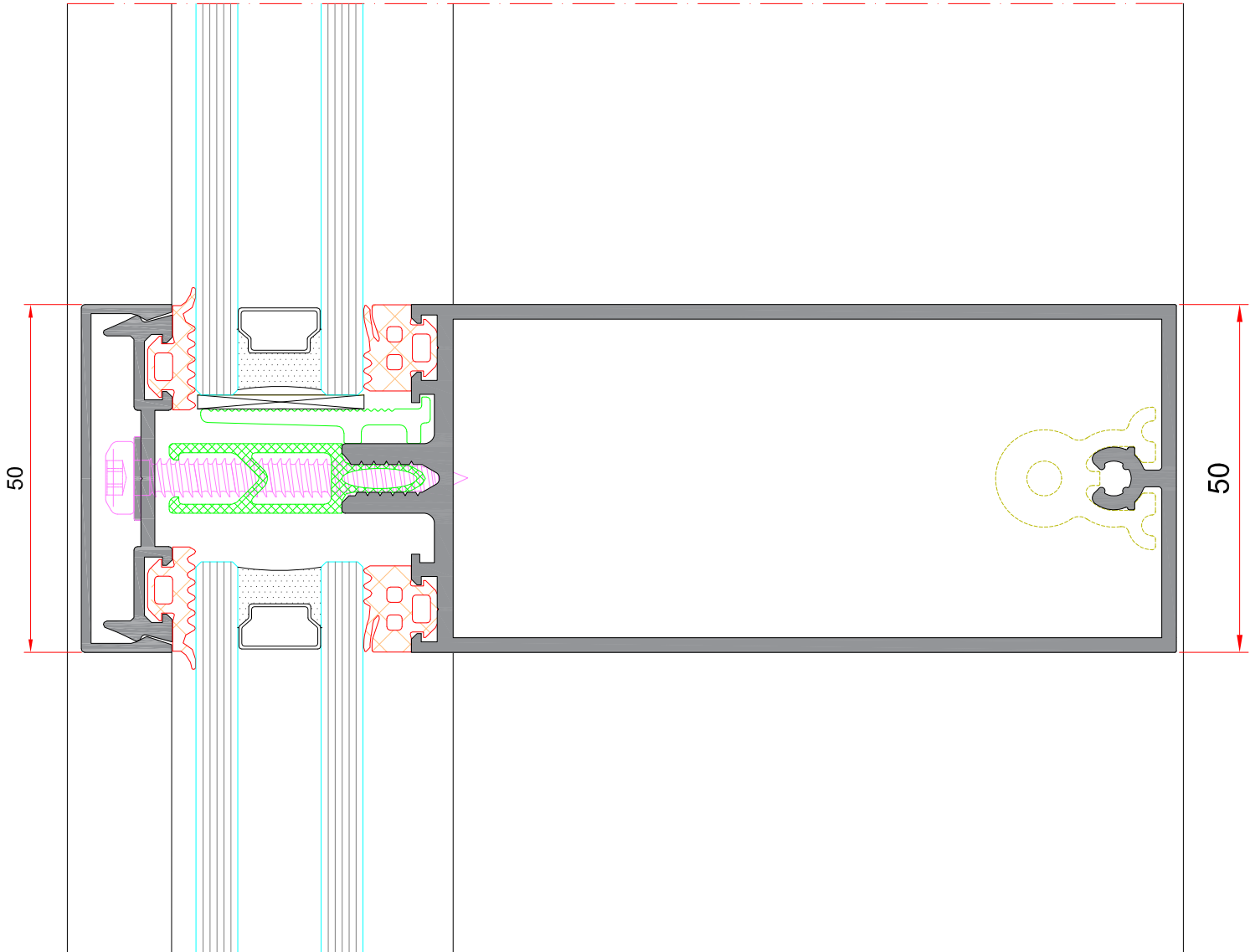
MULLION SECTION JAMB DETAIL



TRANSOM SECTION SILL DETAIL

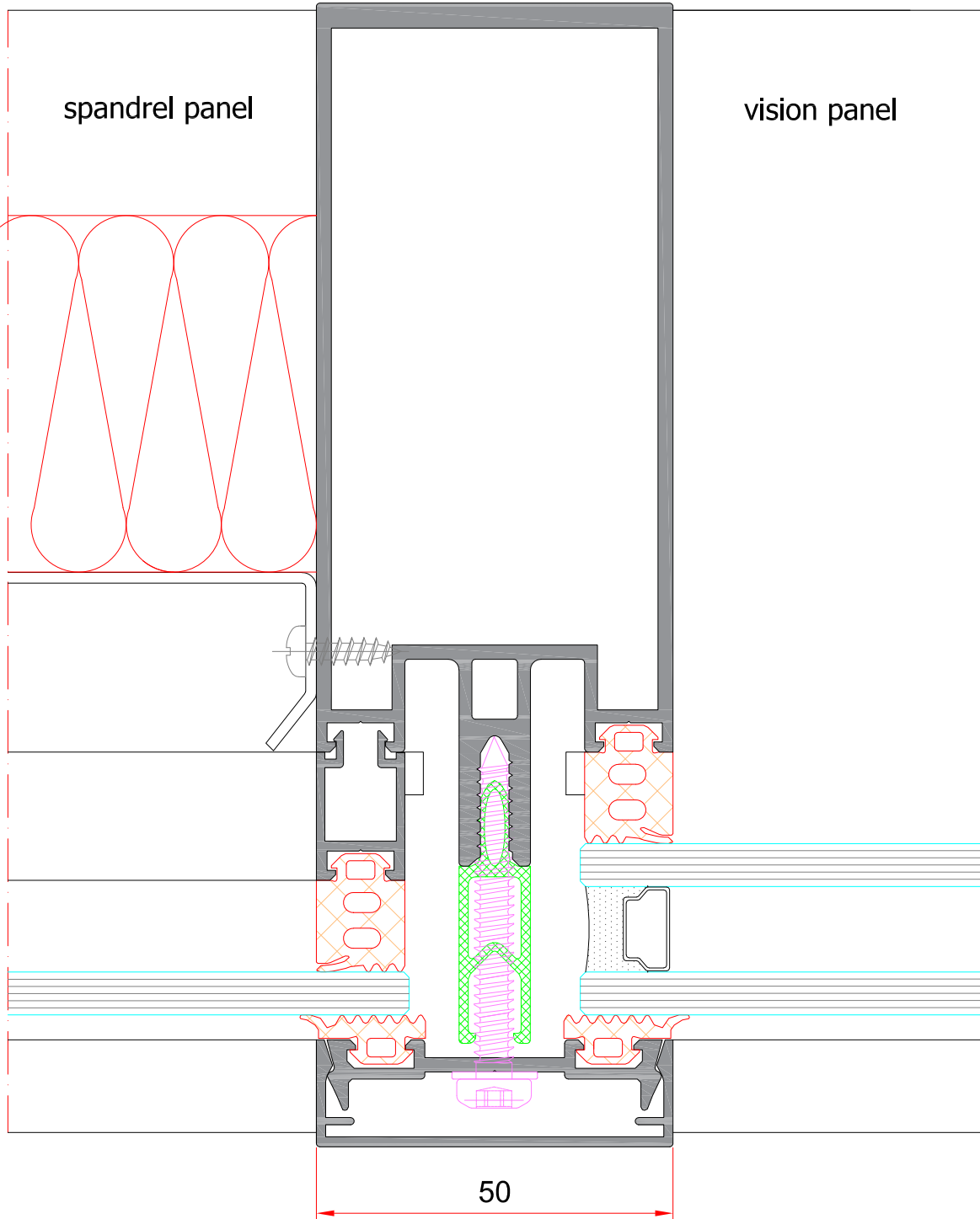


TRANSOM SECTION HEAD DETAIL

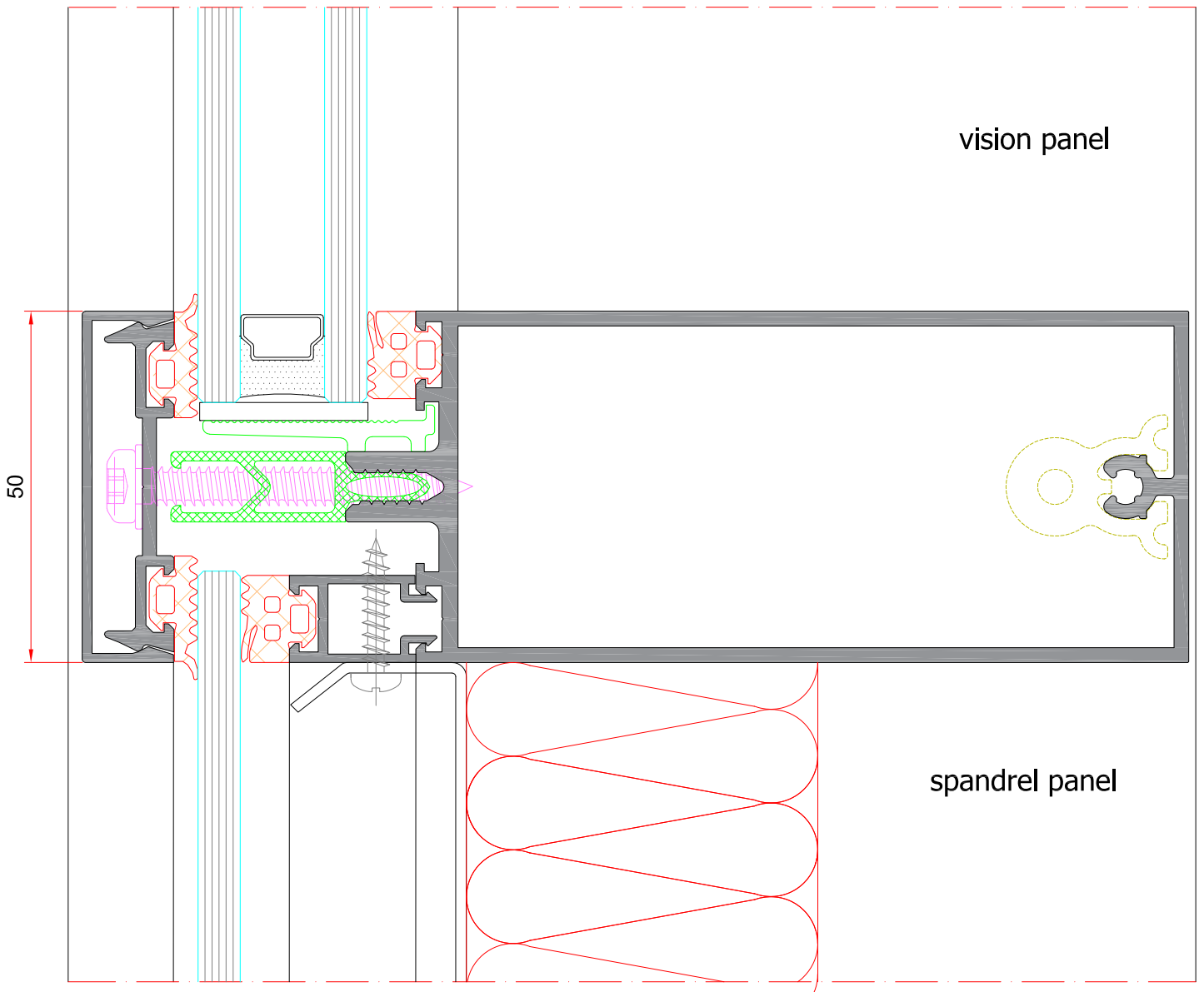


TRANSOM SECTION  
INTERMEDIATE DETAIL

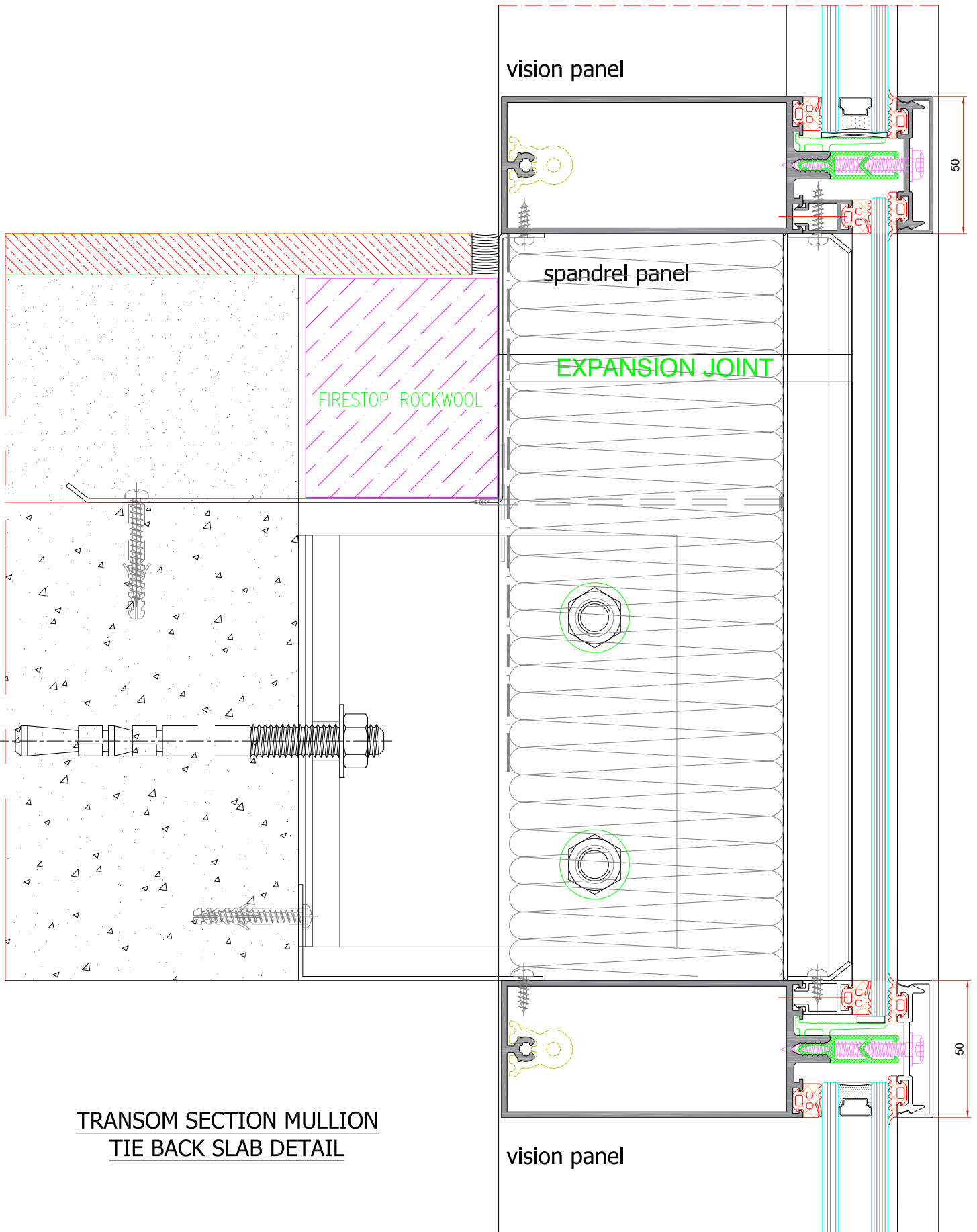




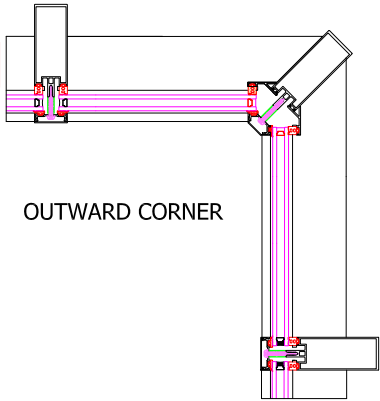
MULLION MID DETAIL



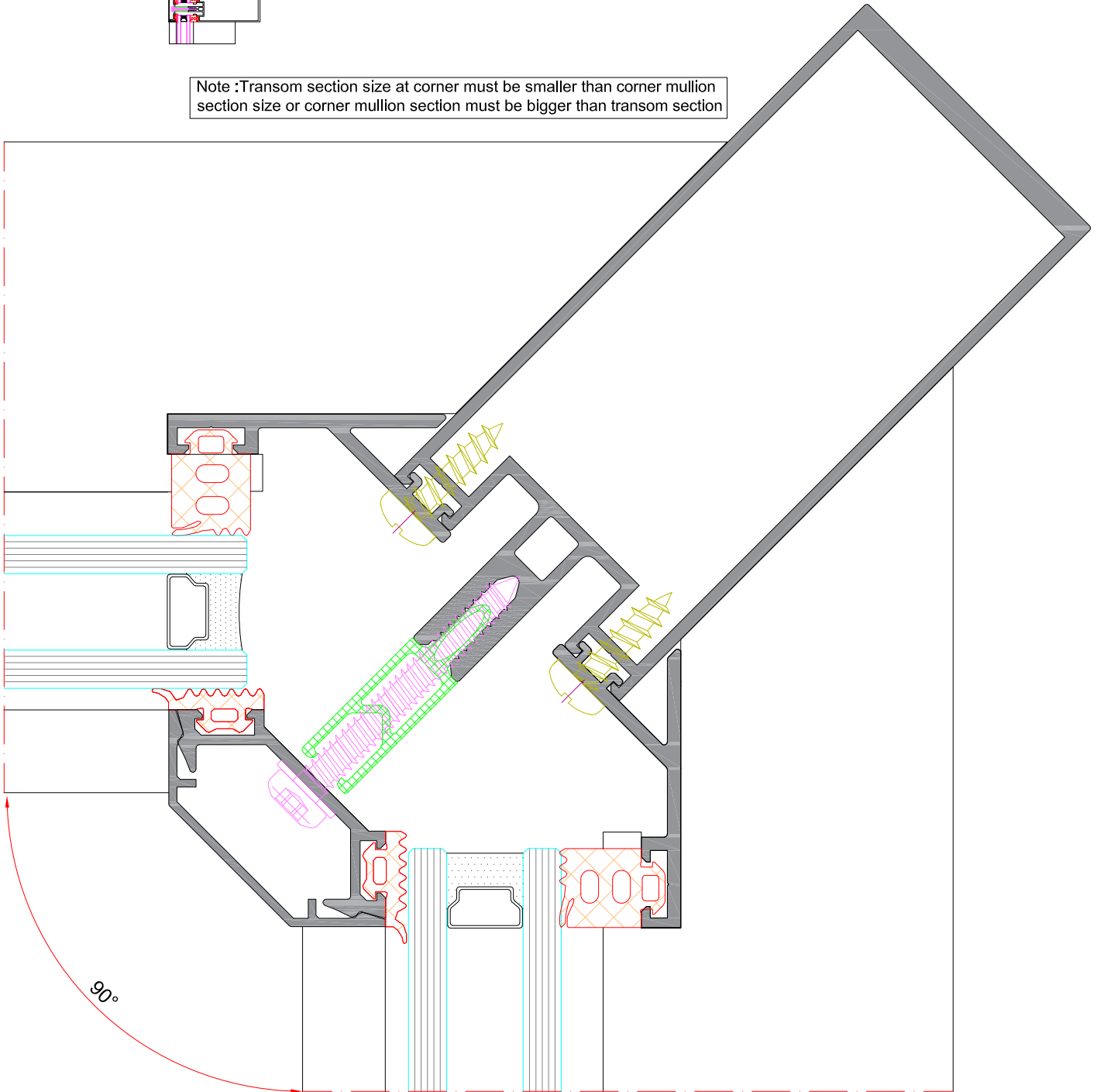
TRANSOM SECTION INTERMEDIATE  
SPANDREL & VISION DETAIL



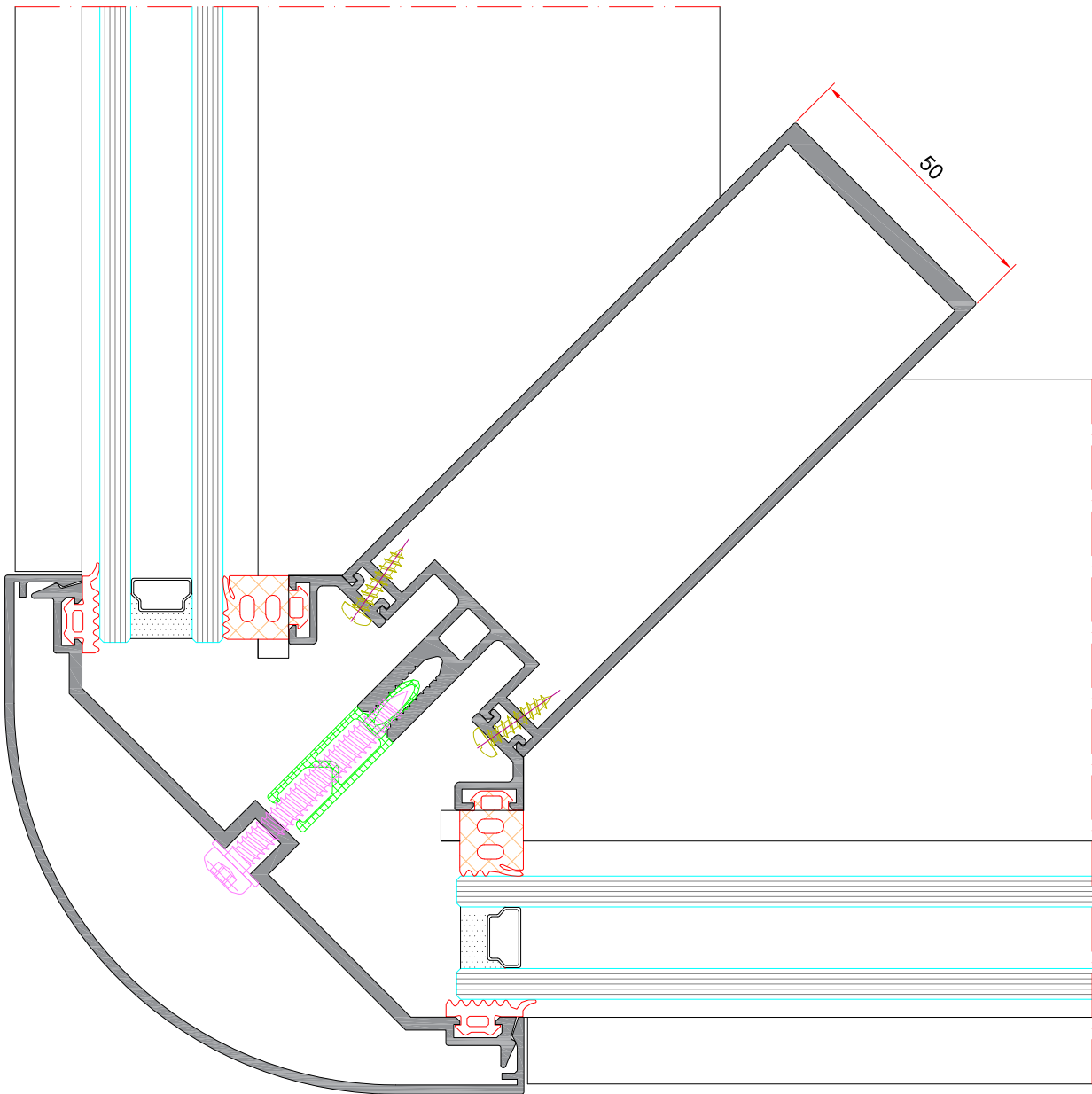
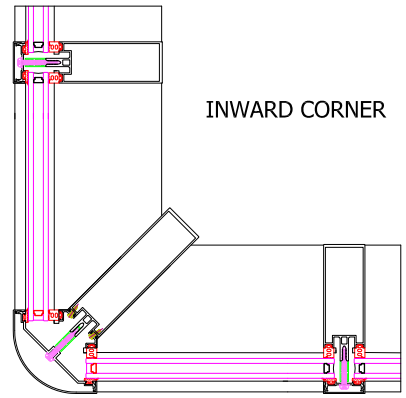
TRANSOM SECTION MULLION  
TIE BACK SLAB DETAIL



Note :Transom section size at corner must be smaller than corner mullion section size or corner mullion section must be bigger than transom section

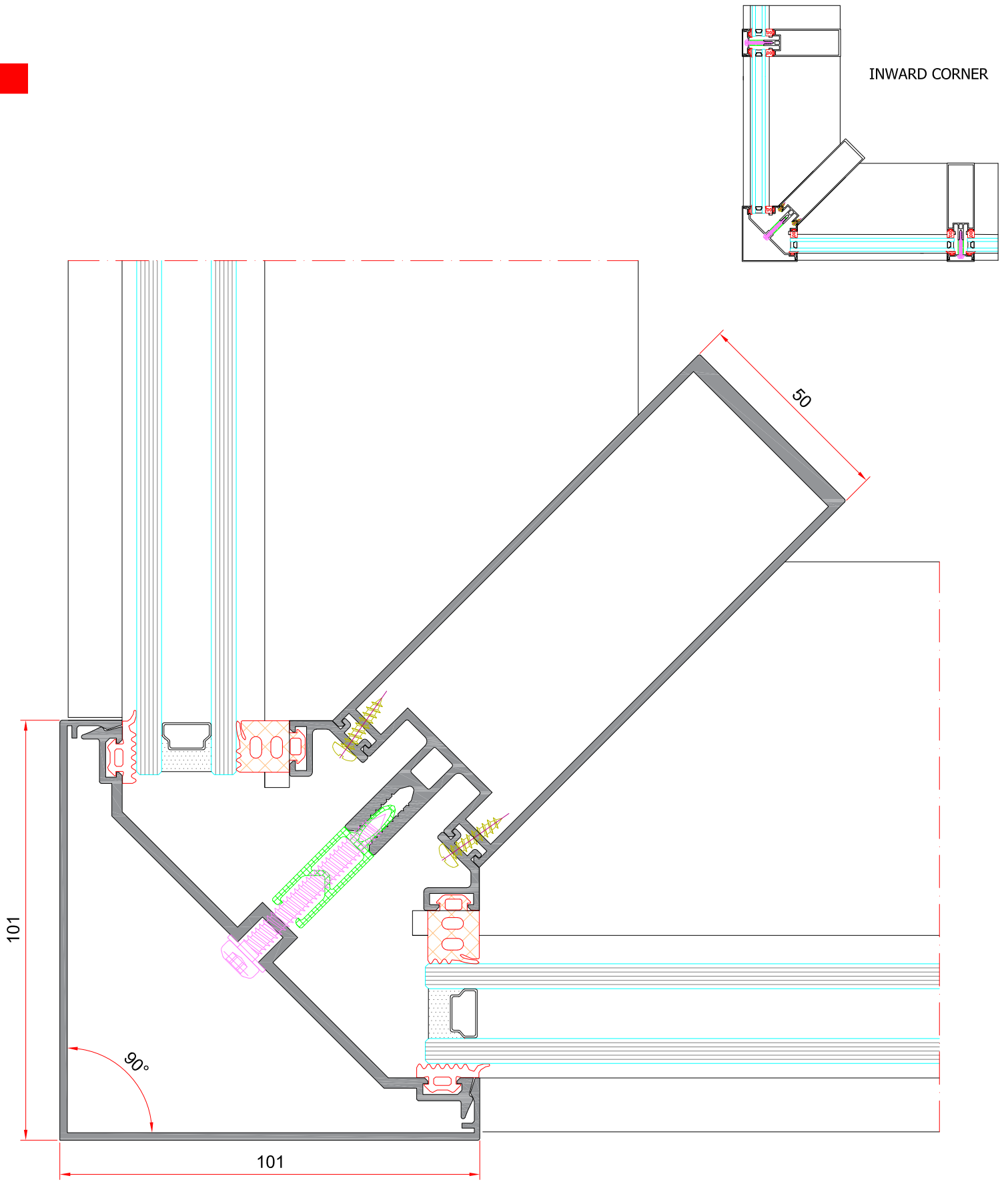


MULLION SECTION CORNER DETAIL



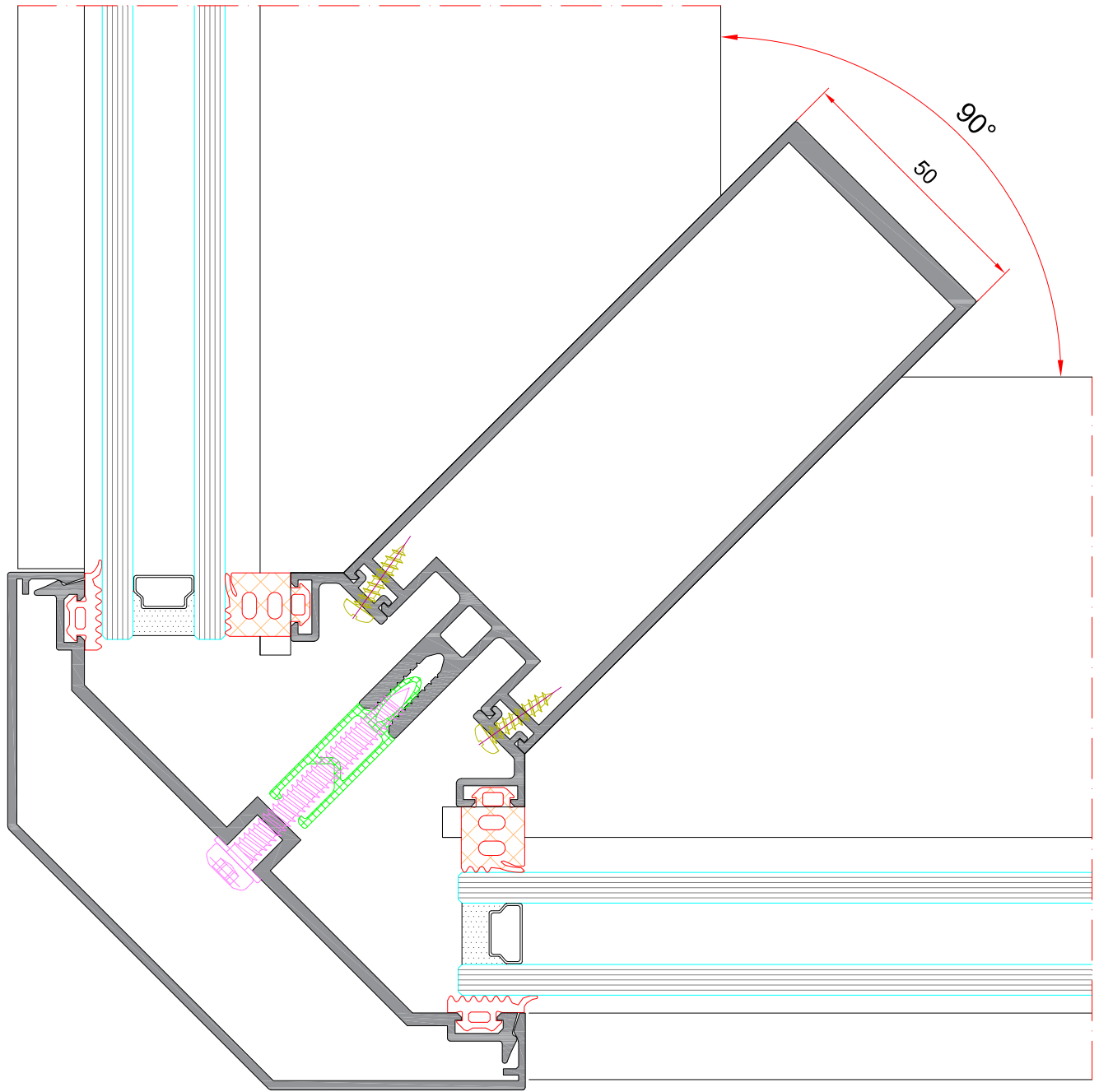
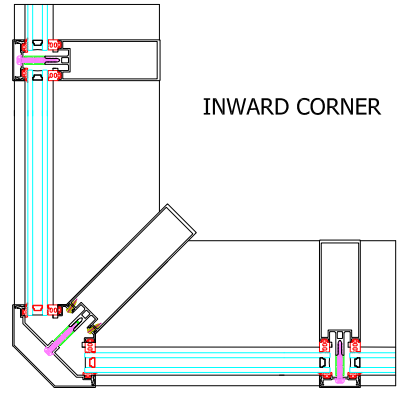
**MULLION SECTION CORNER DETAIL**

Note :Transom section size at corner must be smaller than corner mullion section size or corner mullion section must be bigger than transom section



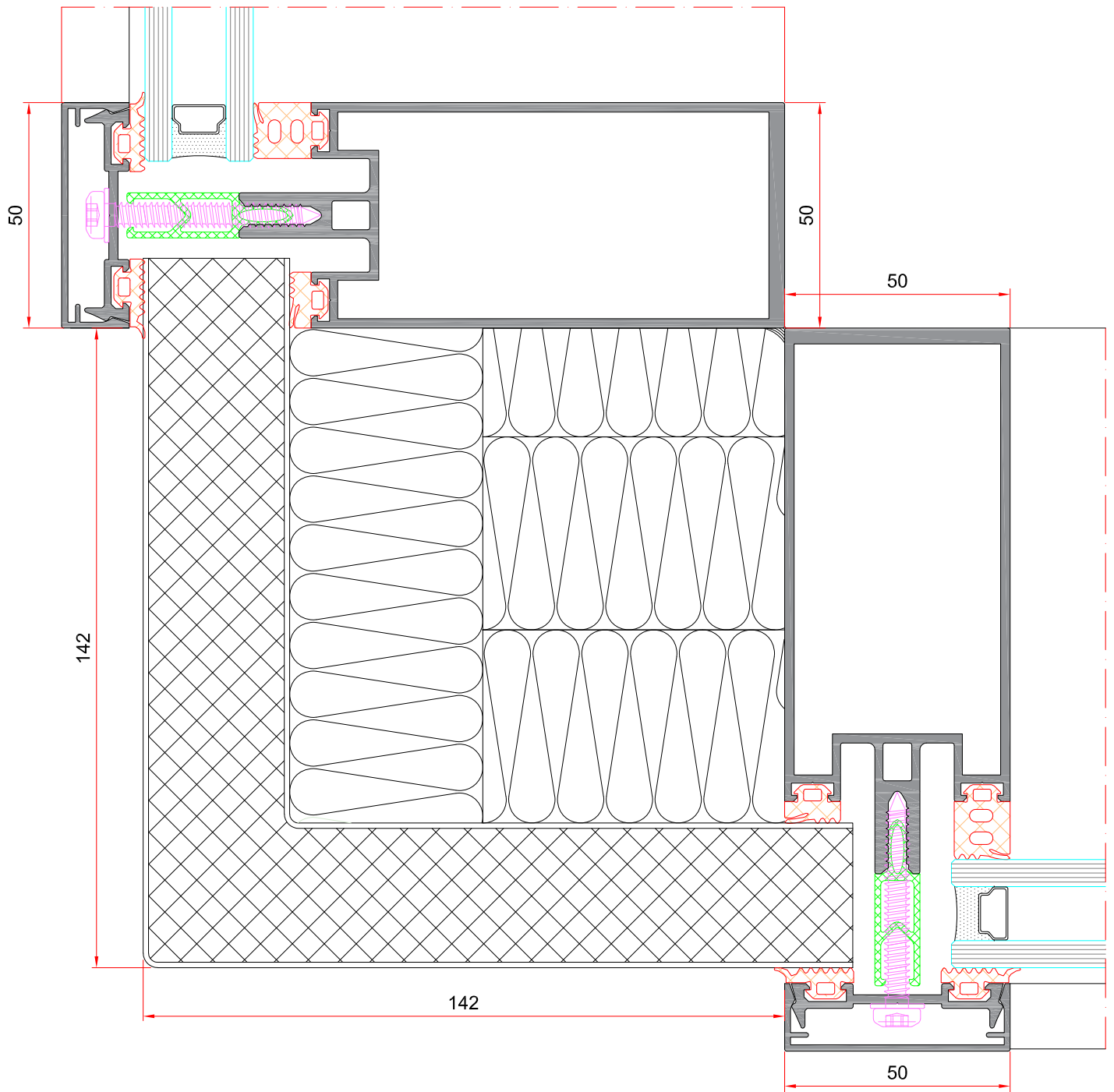
**MULLION SECTION CORNER DETAIL**

Note : Transom section size at corner must be smaller than corner mullion section size or corner mullion section must be bigger than transom section



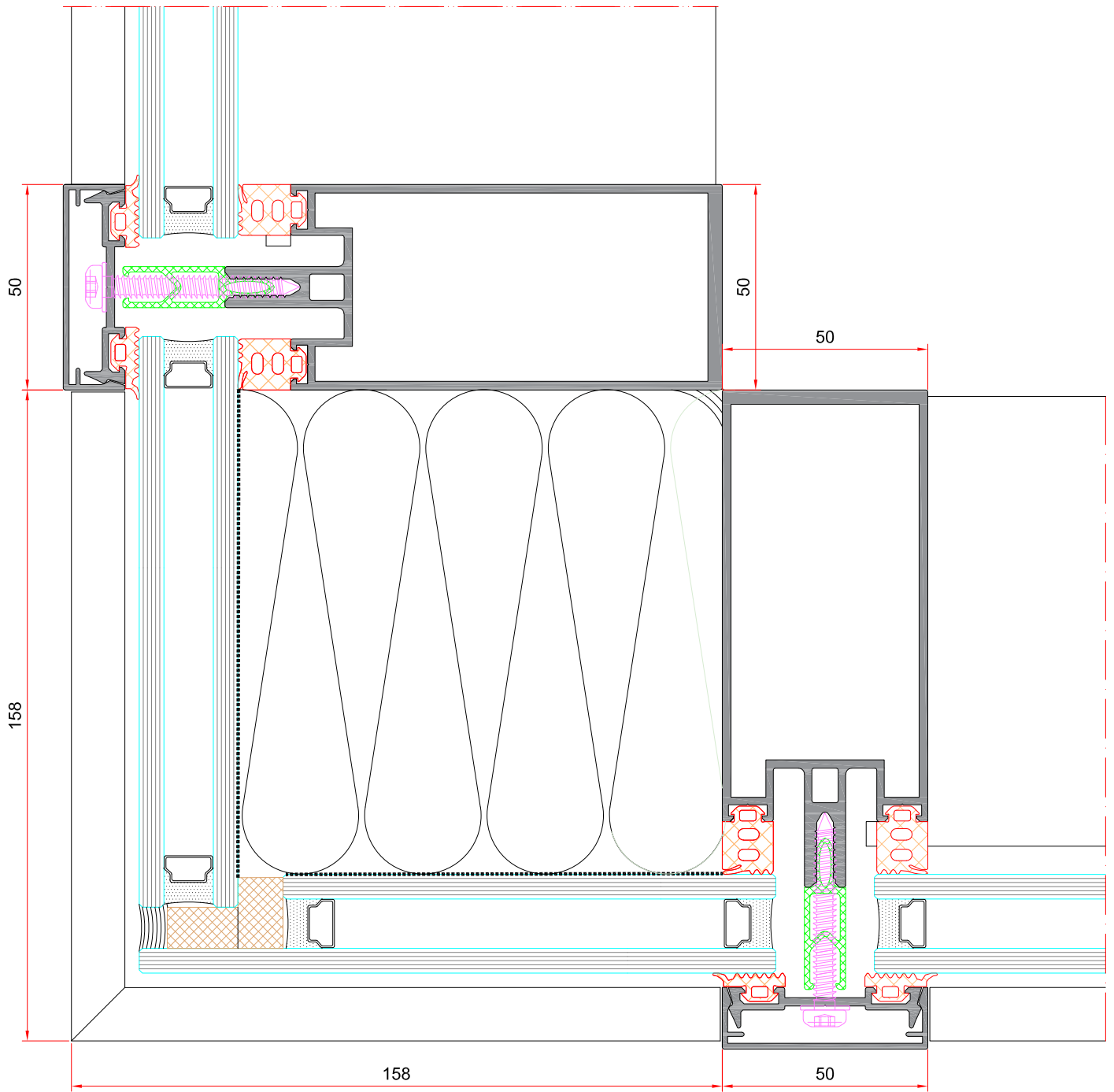
**MULLION SECTION CORNER DETAIL**

Note : Transom section size at corner must be smaller than corner mullion section size or corner mullion section must be bigger than transom section

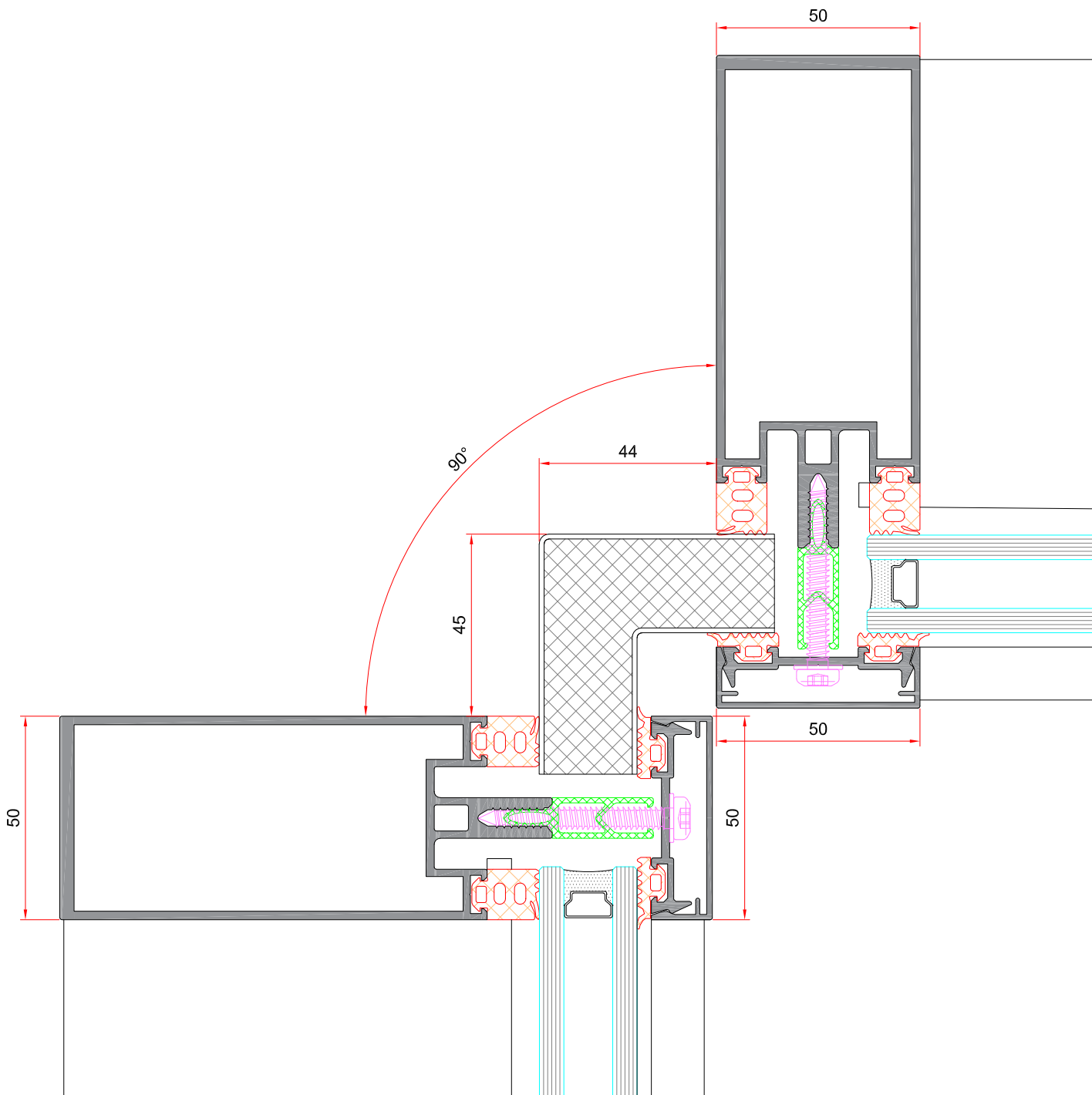


MULLION SECTION CORNER DETAIL

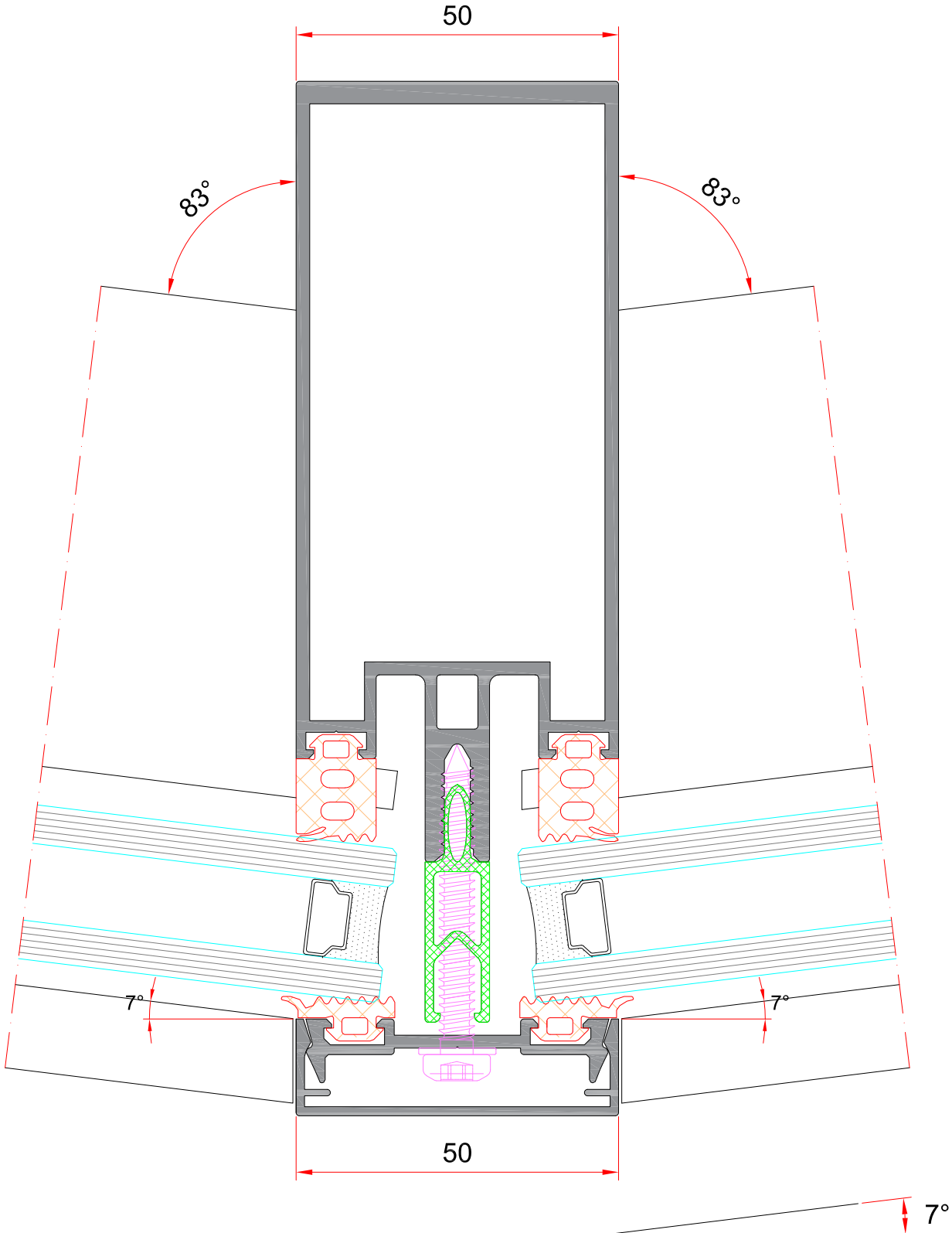




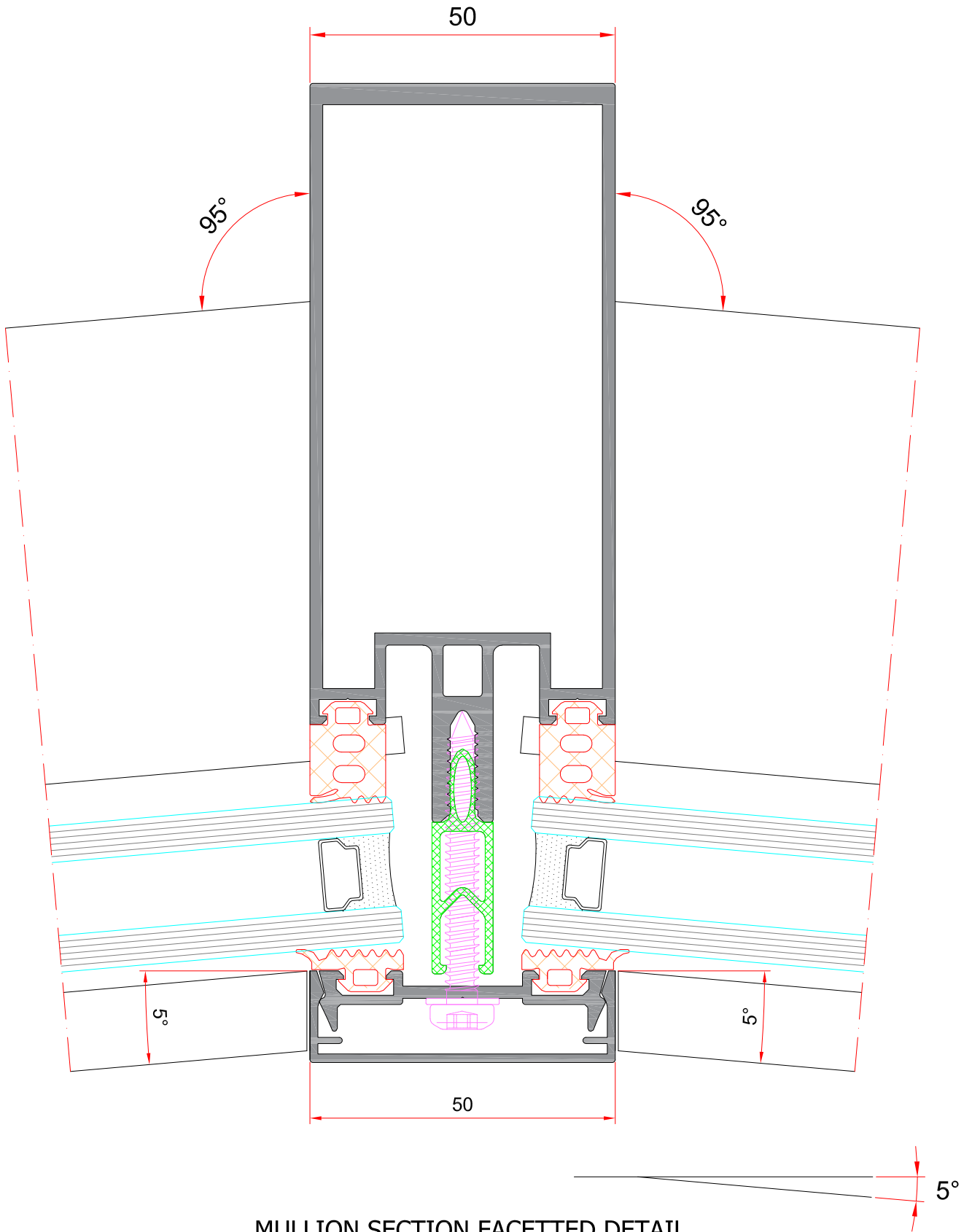
MULLION SECTION CORNER DETAIL

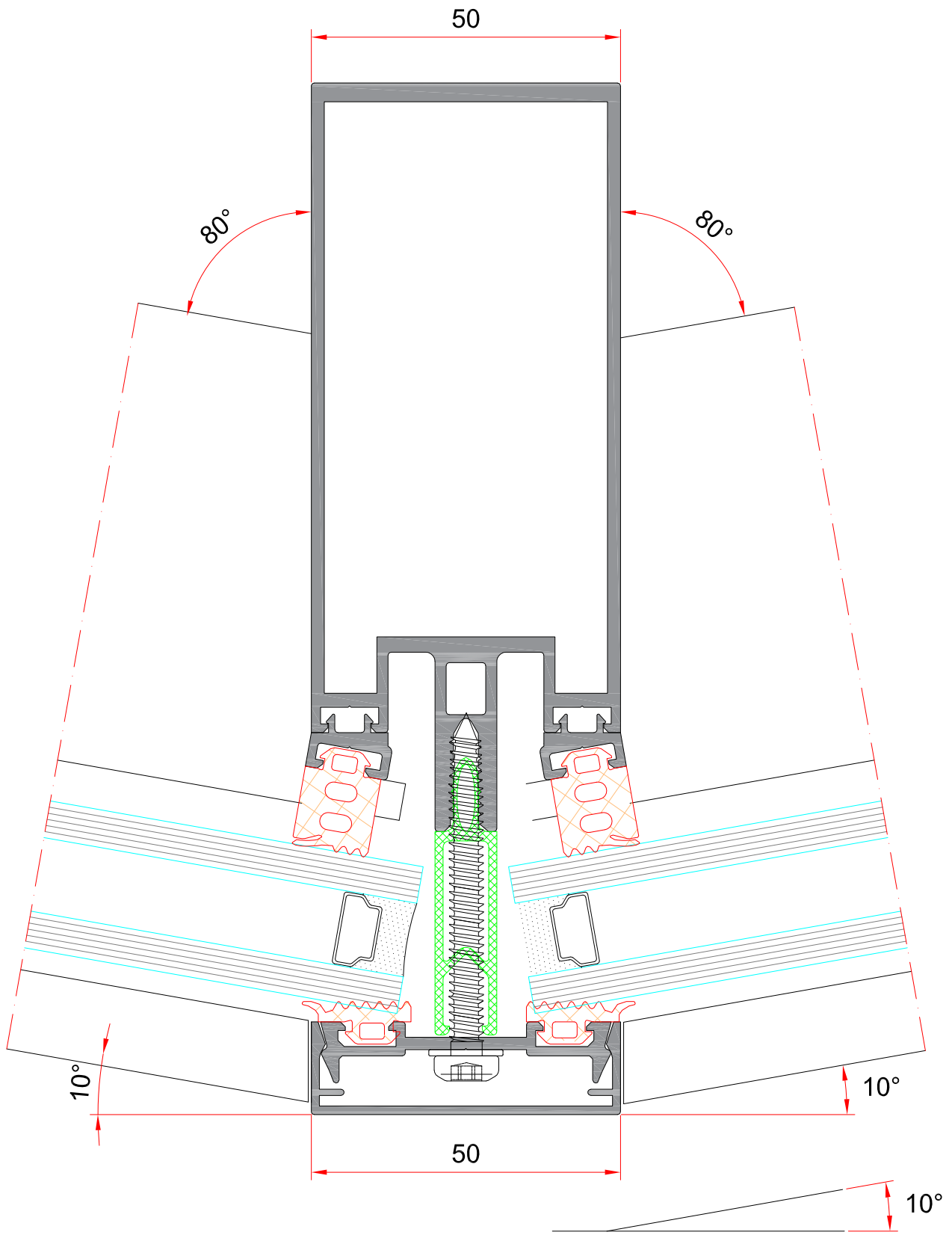


MULLION SECTION CORNER DETAIL

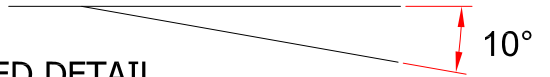
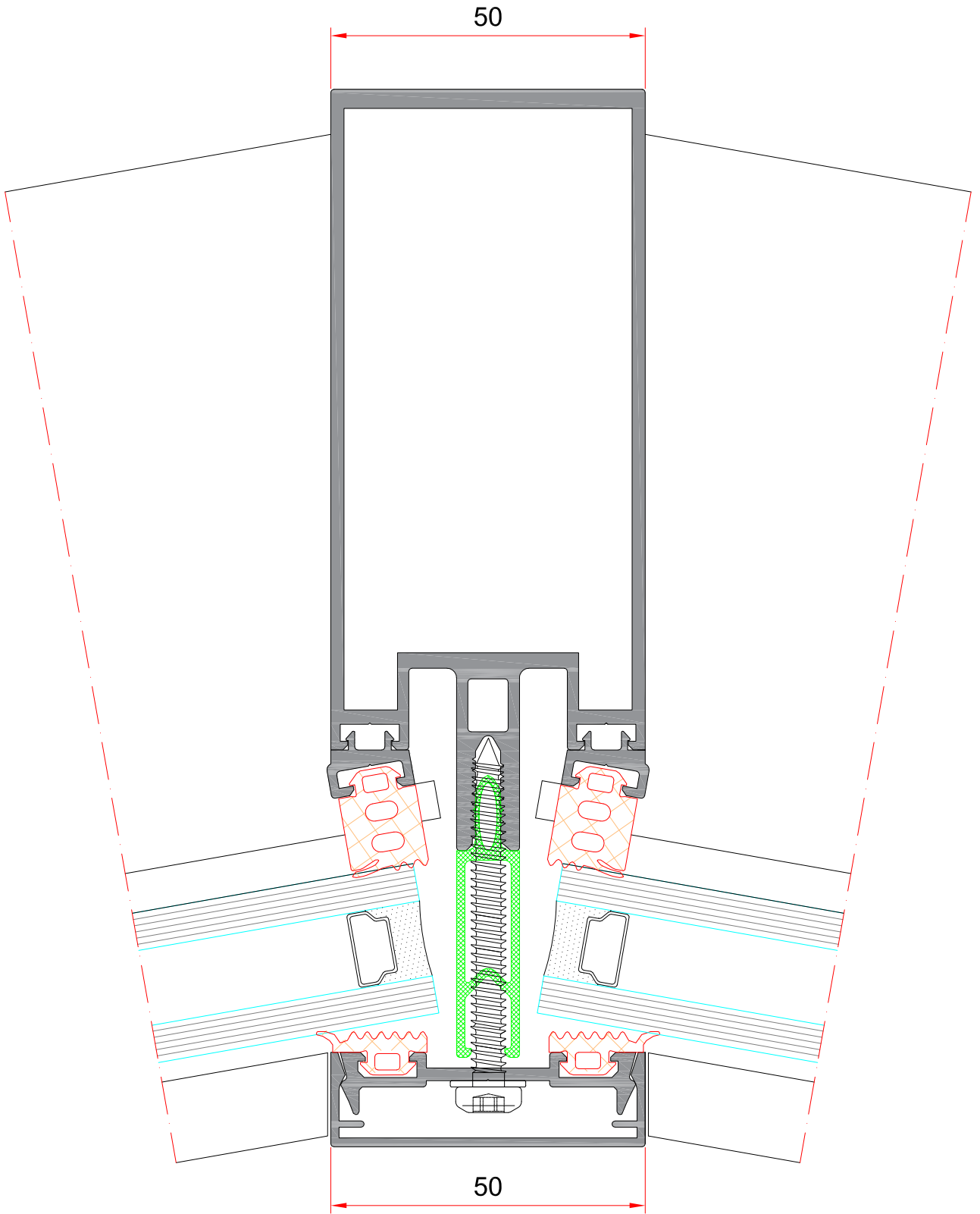


MULLION SECTION FACETTED DETAIL

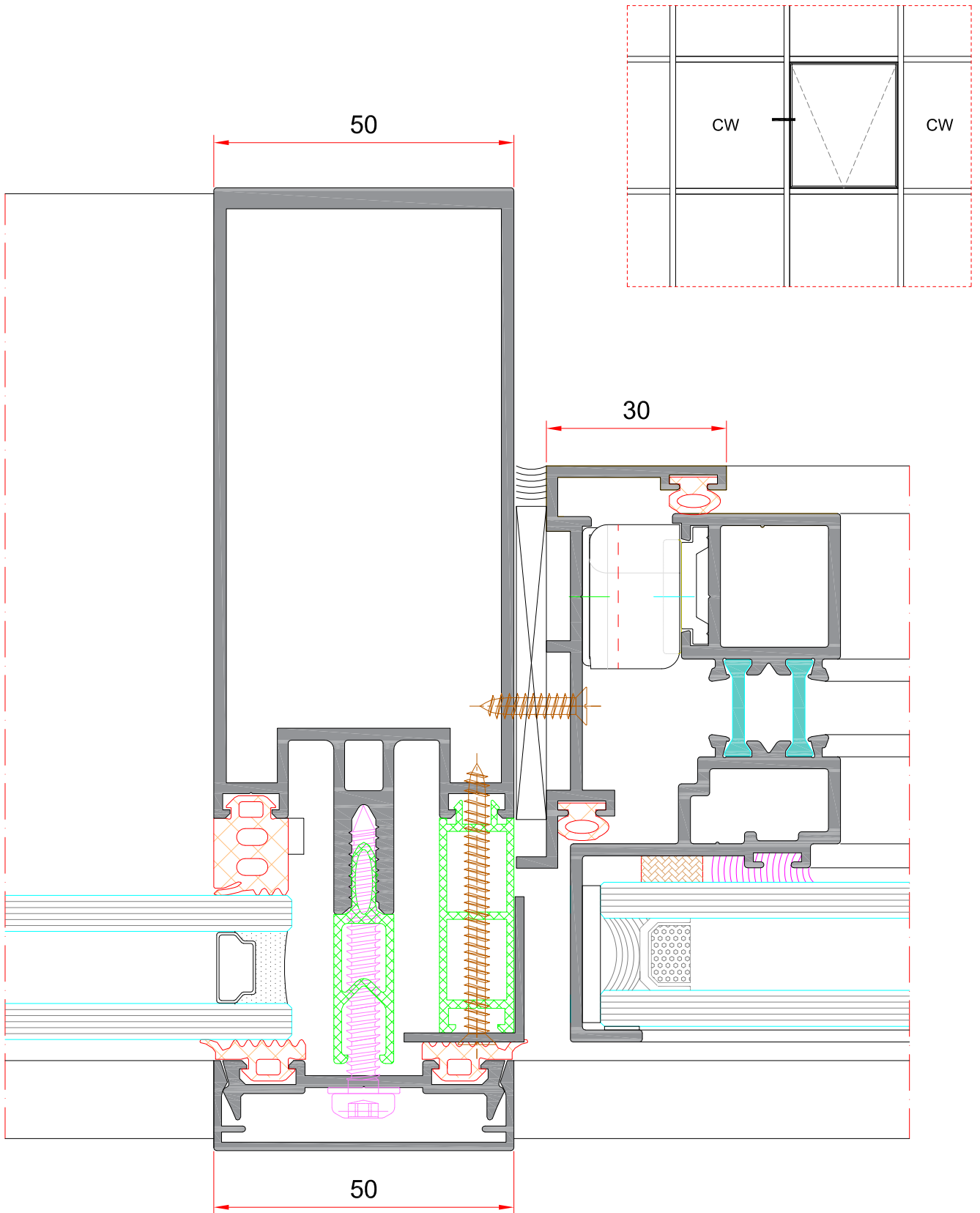




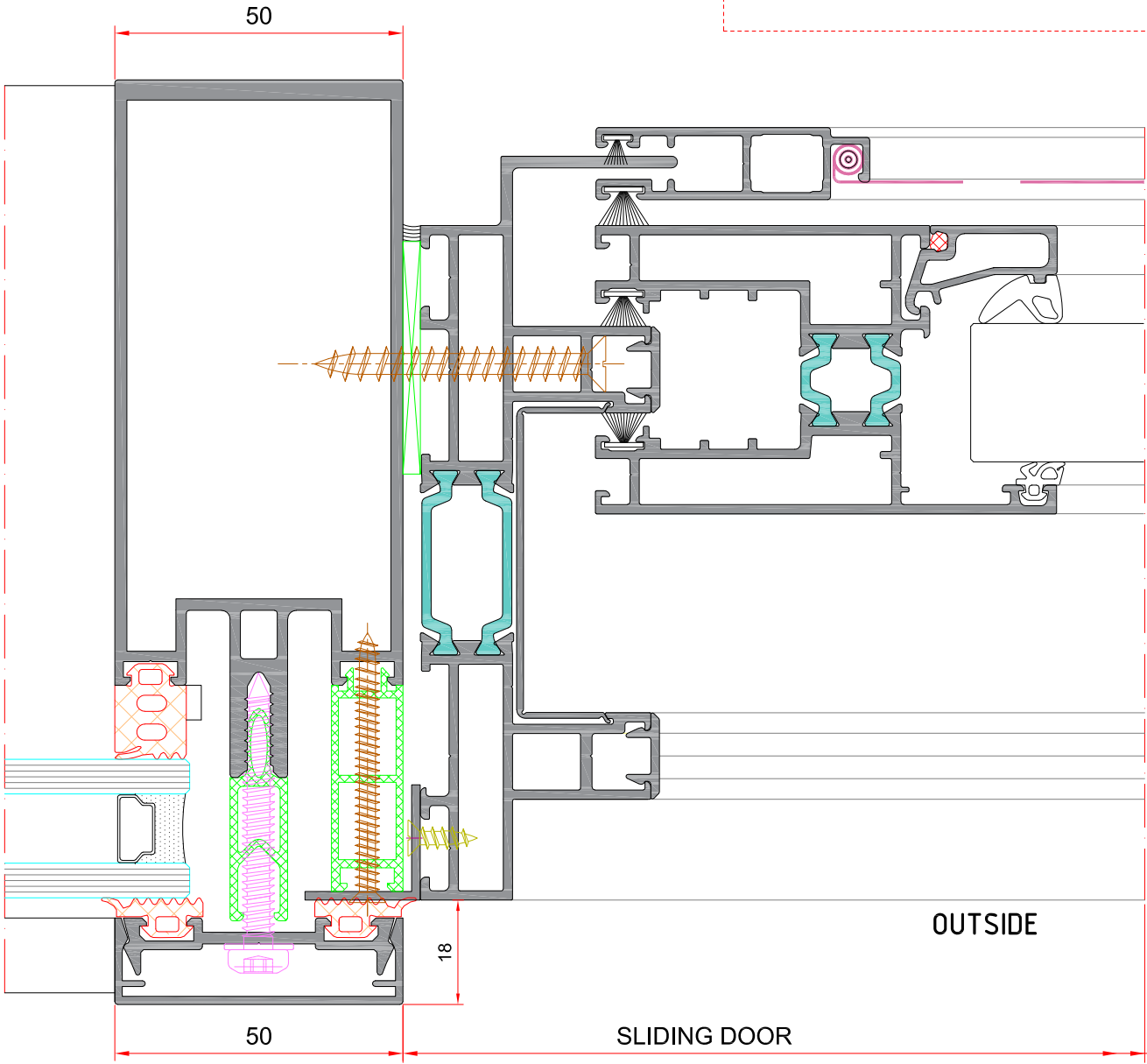
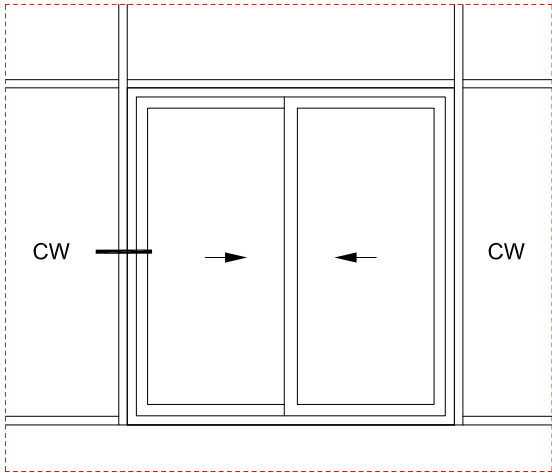
MULLION SECTION FACETTED DETAIL



MULLION SECTION FACETTED DETAIL

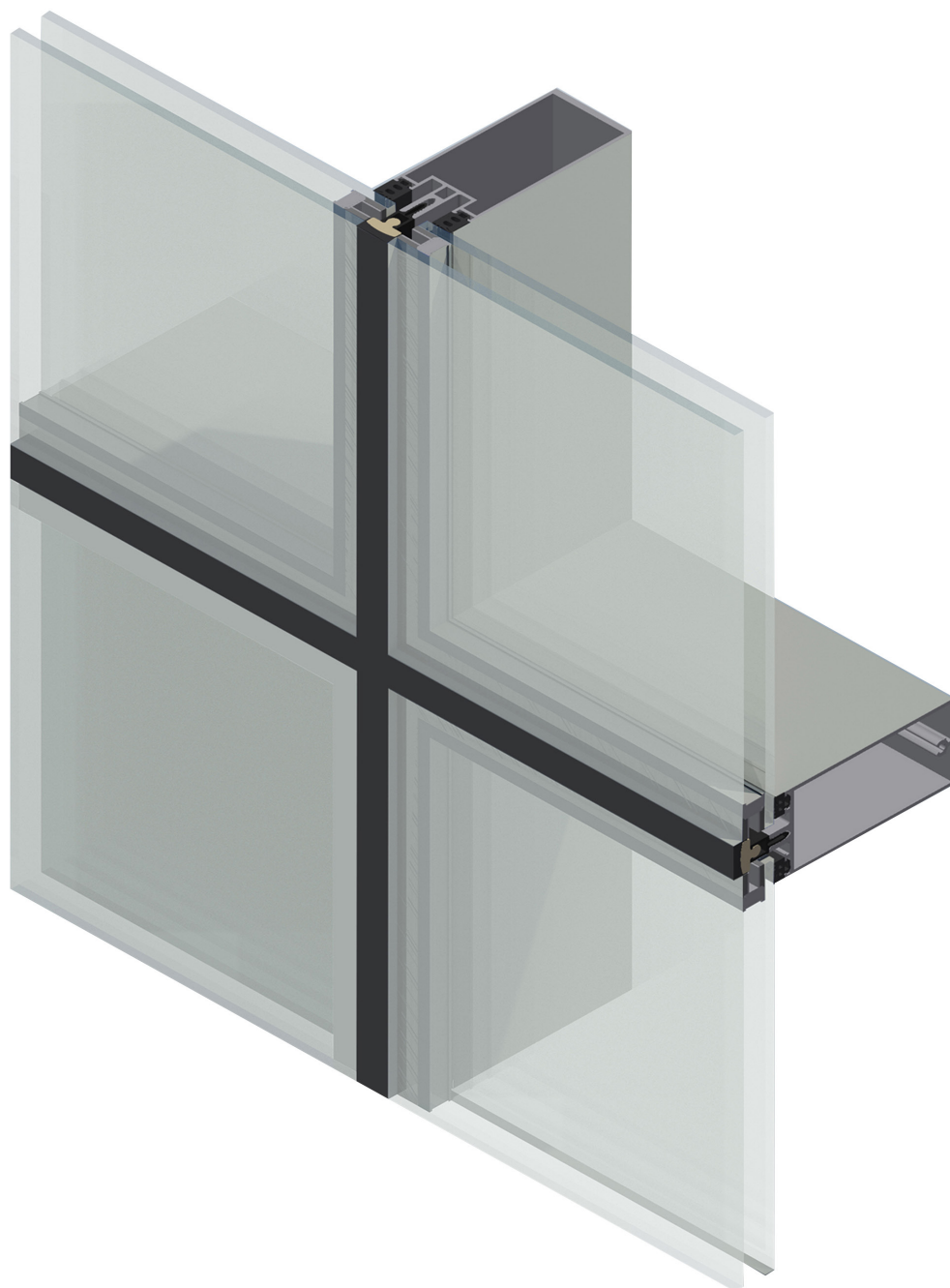


MULLION SECTION & TOP HUNG WINDOW JAMB  
SECTIONAL DETAIL

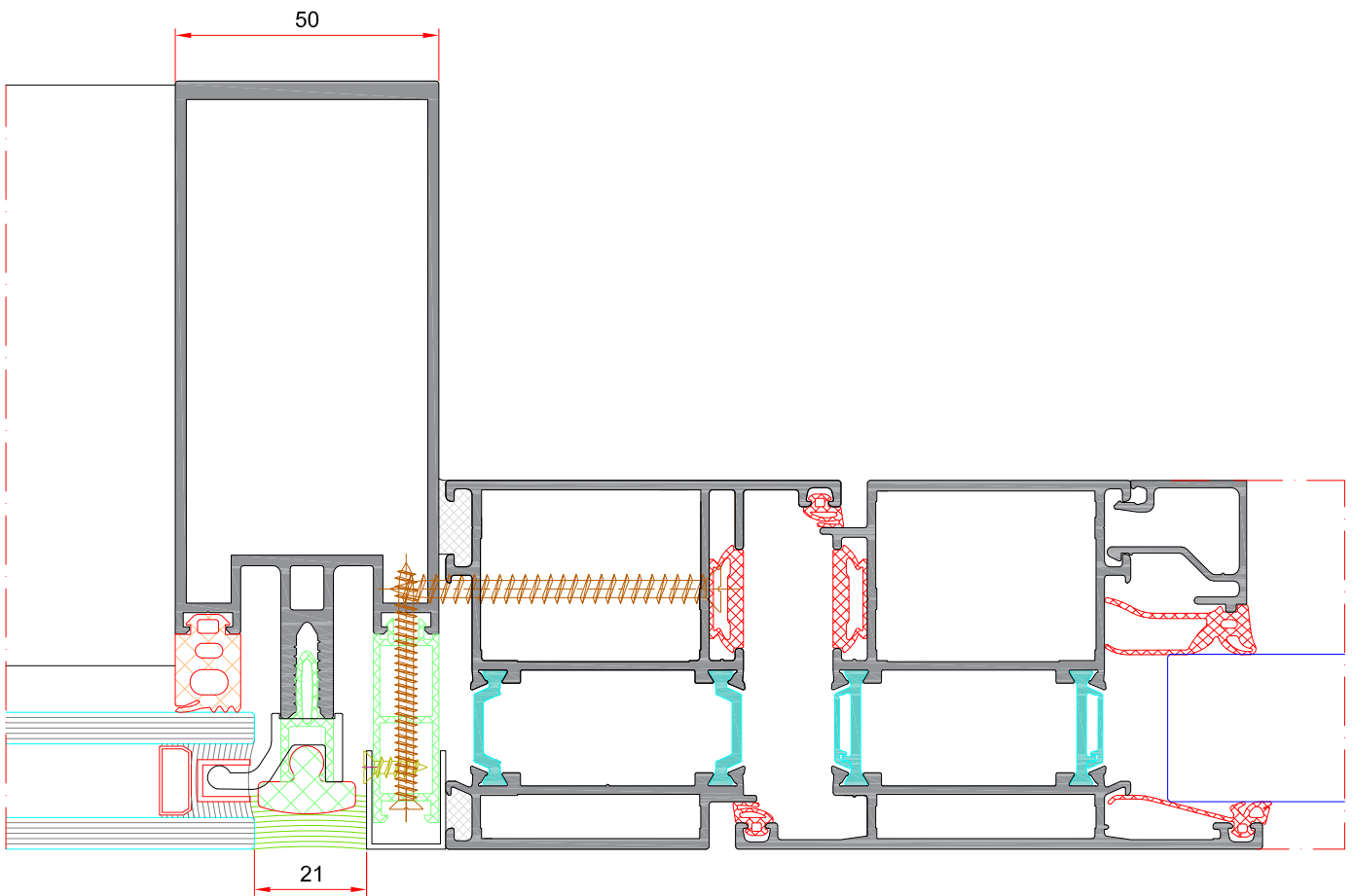
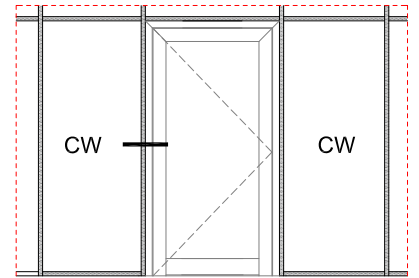


MULLION SECTION & SLIDING DOOR JAMB SECTIONAL DETAIL

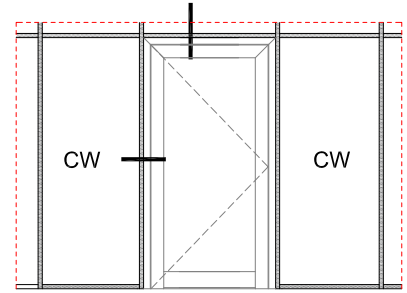
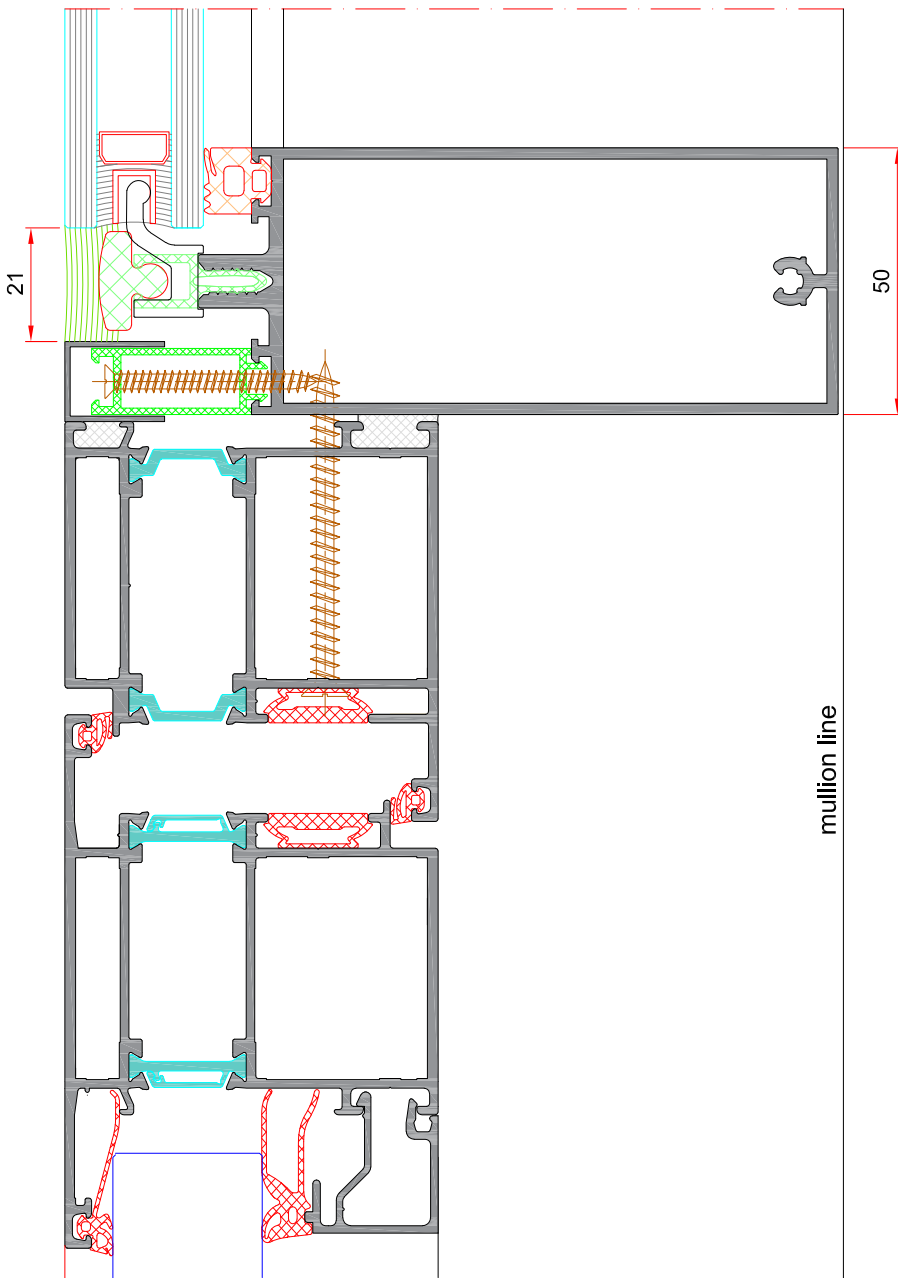




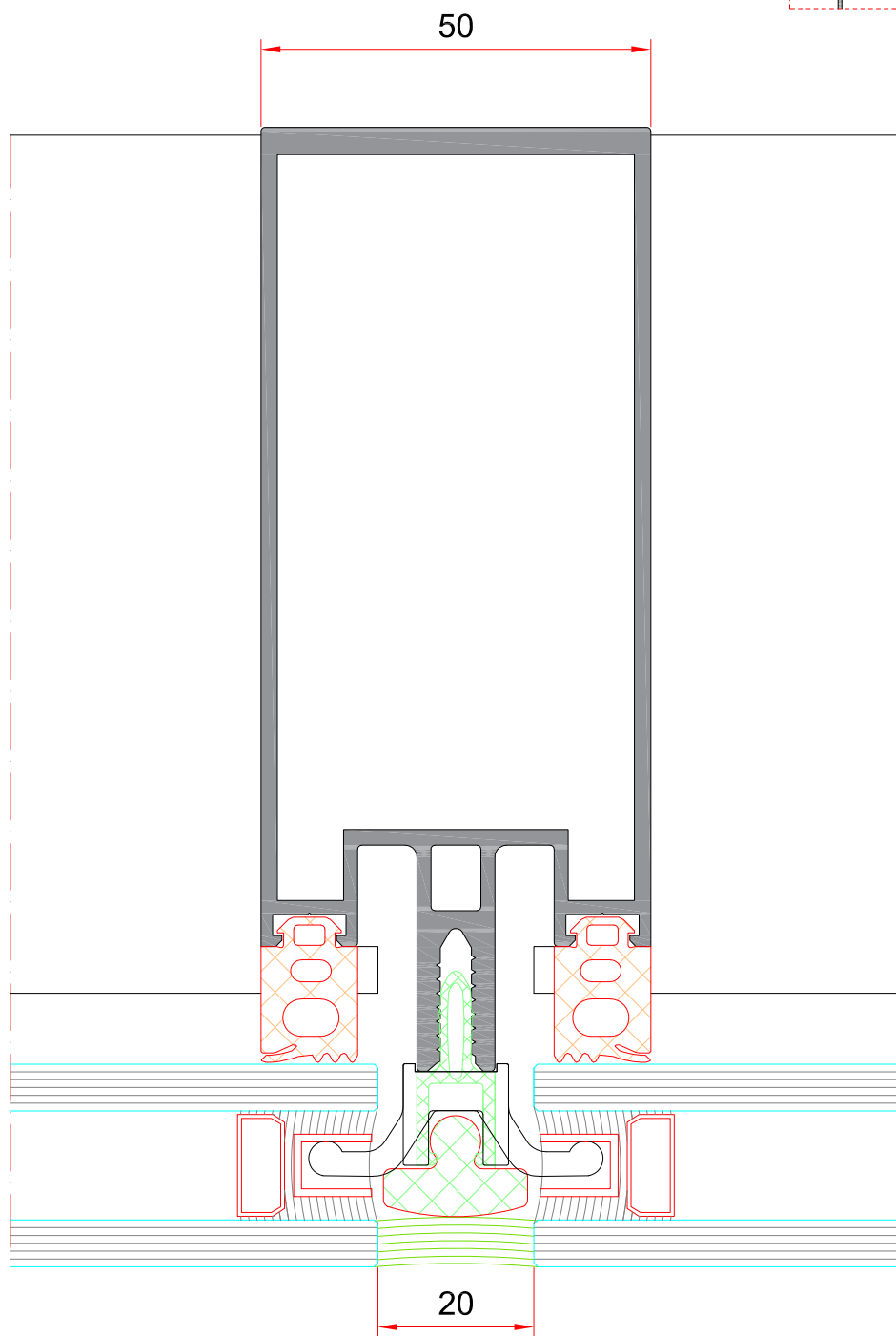
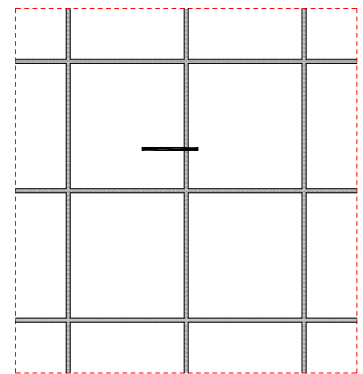
ASSEMBLY DRAWINGS WITHOUT CAP



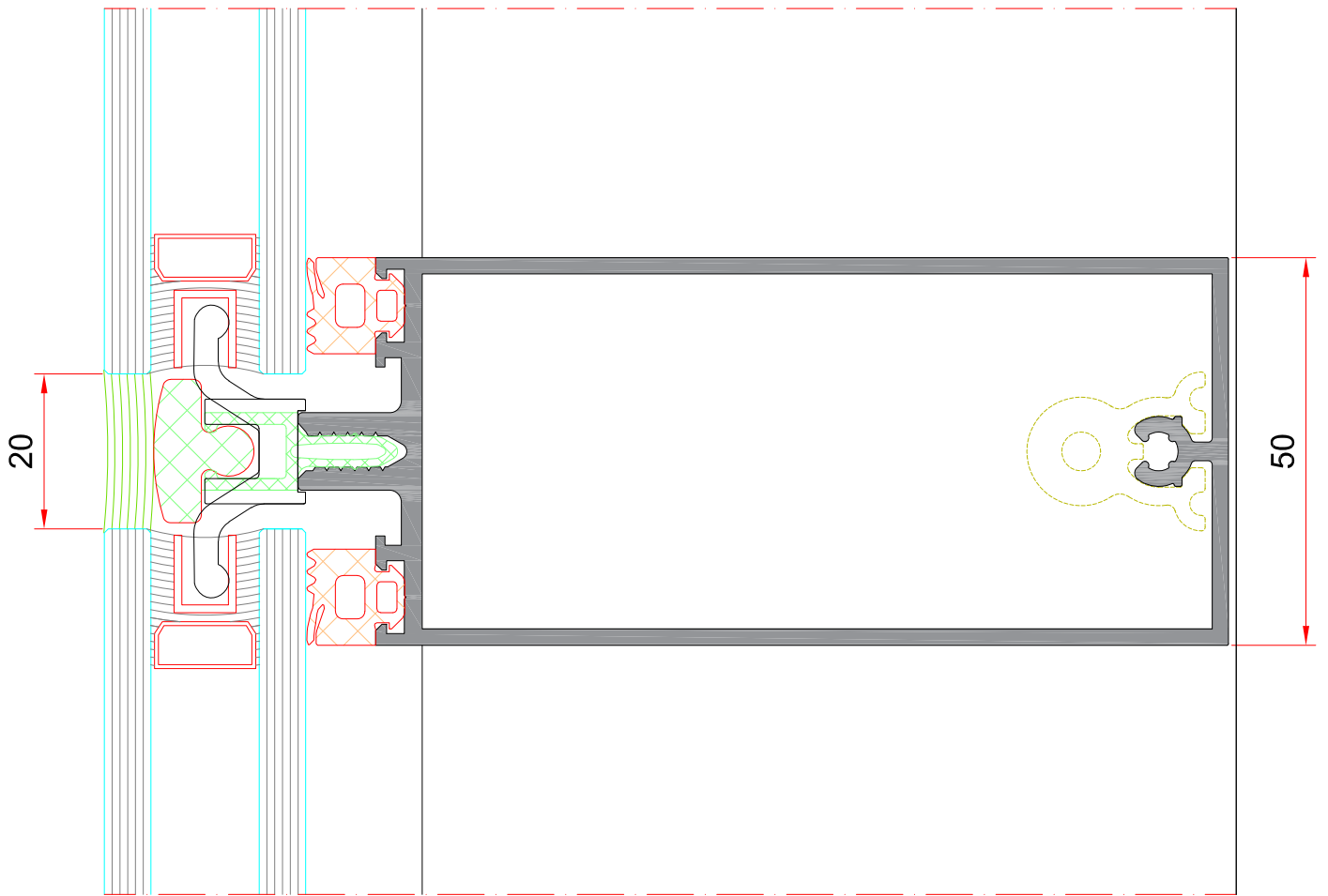
MULLION SECTION & HINGED DOOR JAMB  
SECTIONAL DETAIL



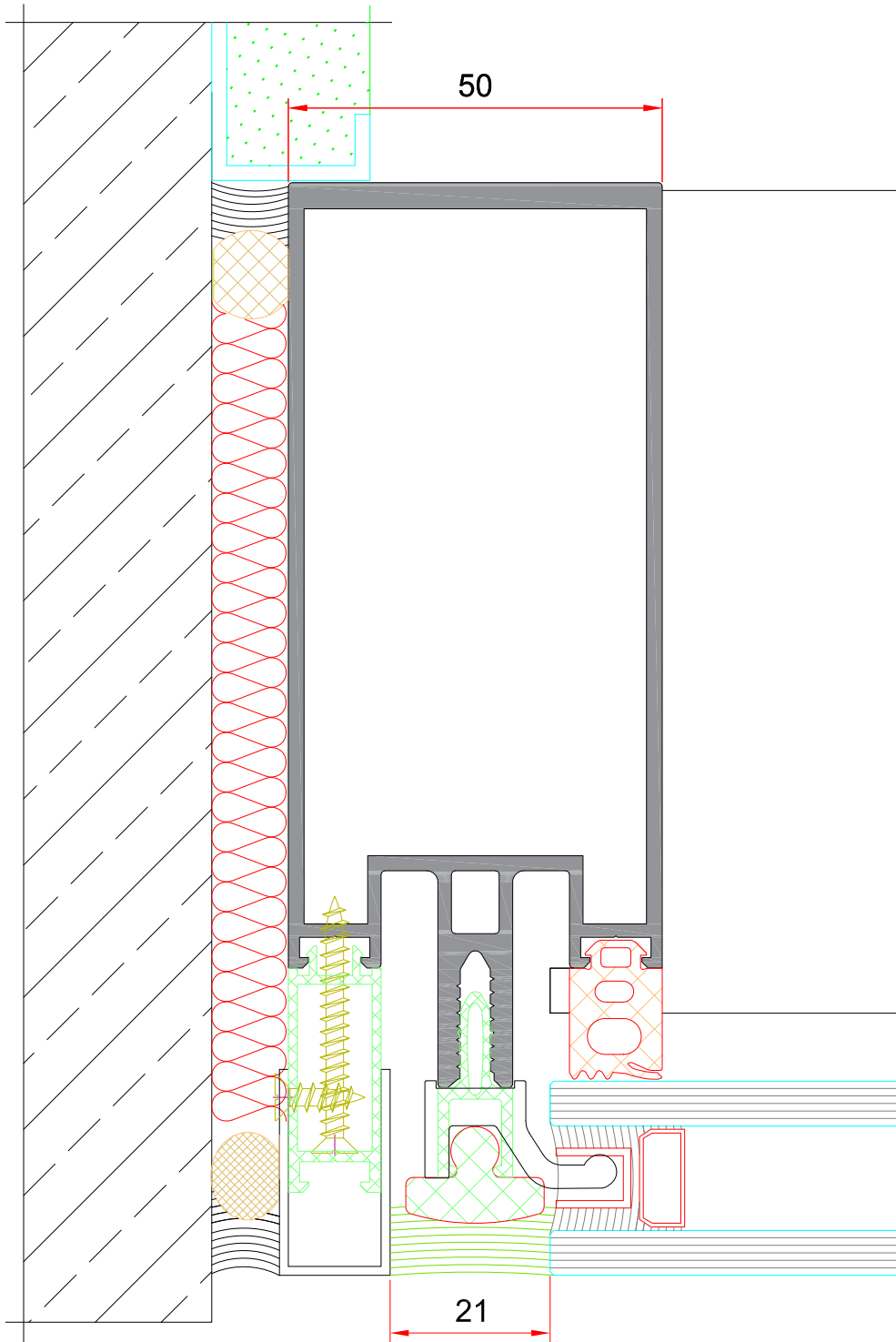
MULLION SECTION & HINGED DOOR HEAD  
SECTIONAL DETAIL



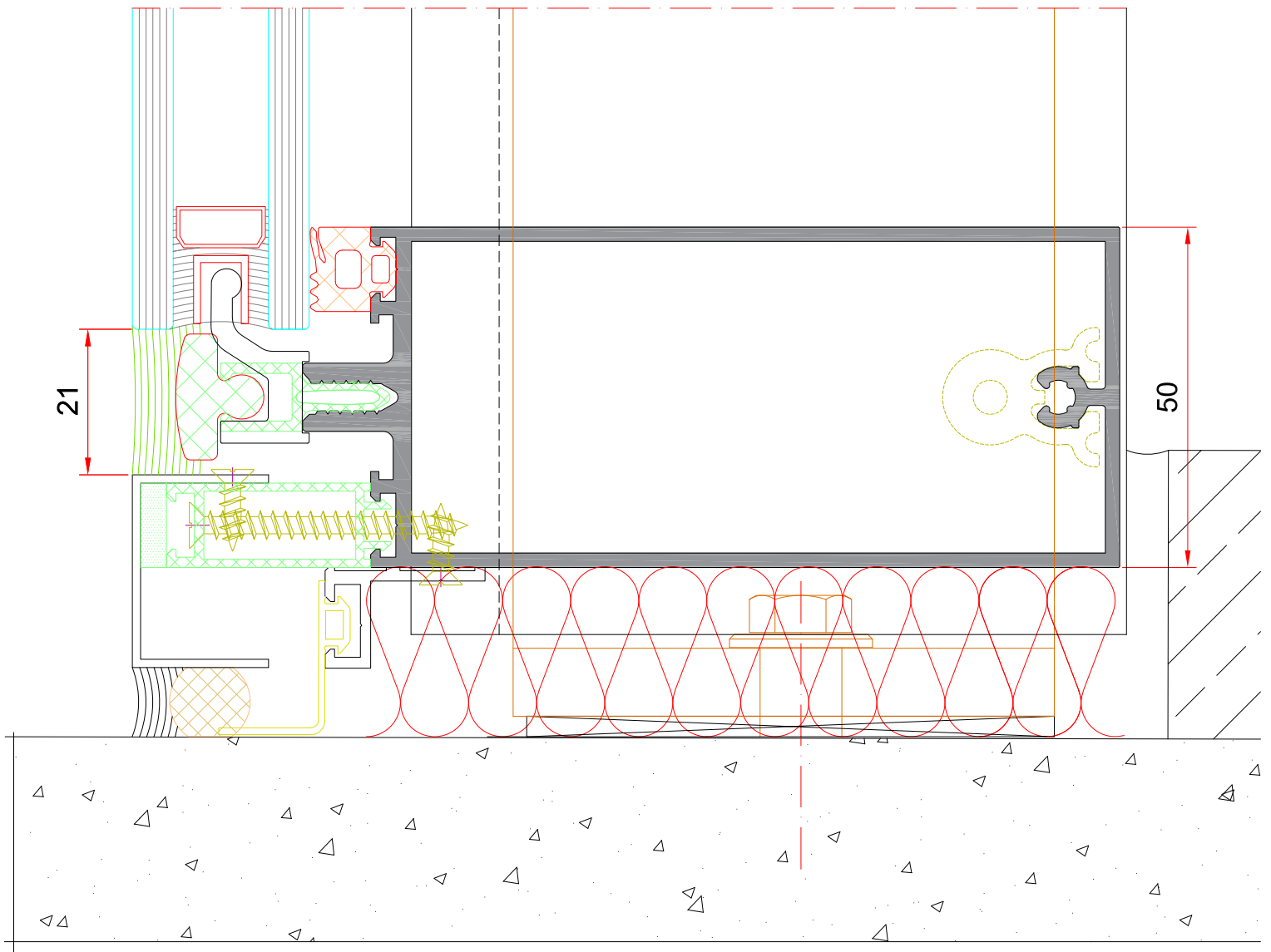
MULLION INTERMEDIATE DETAIL



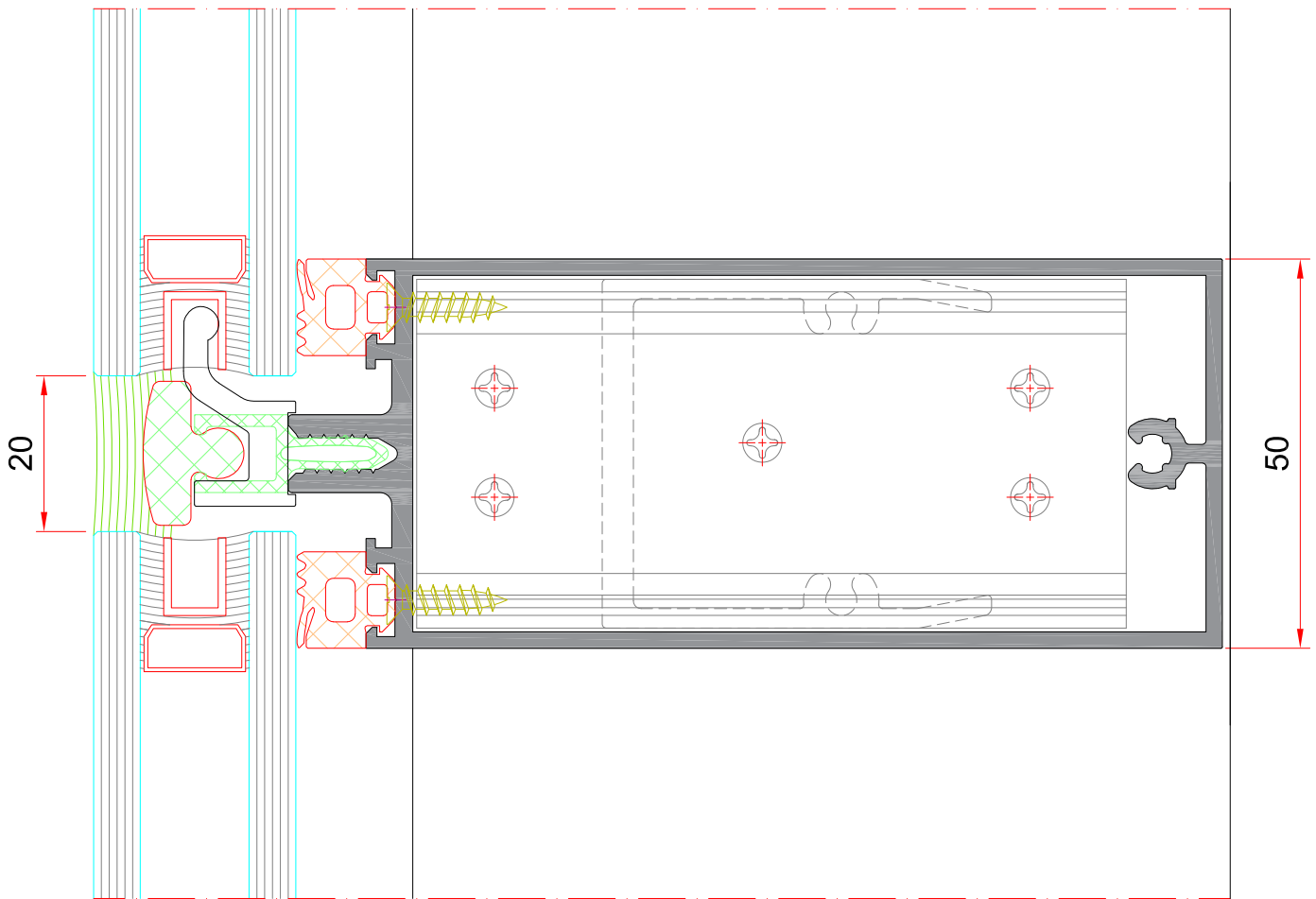
TRANSOM INTERMEDIATE DETAIL



MULLION MID DETAIL

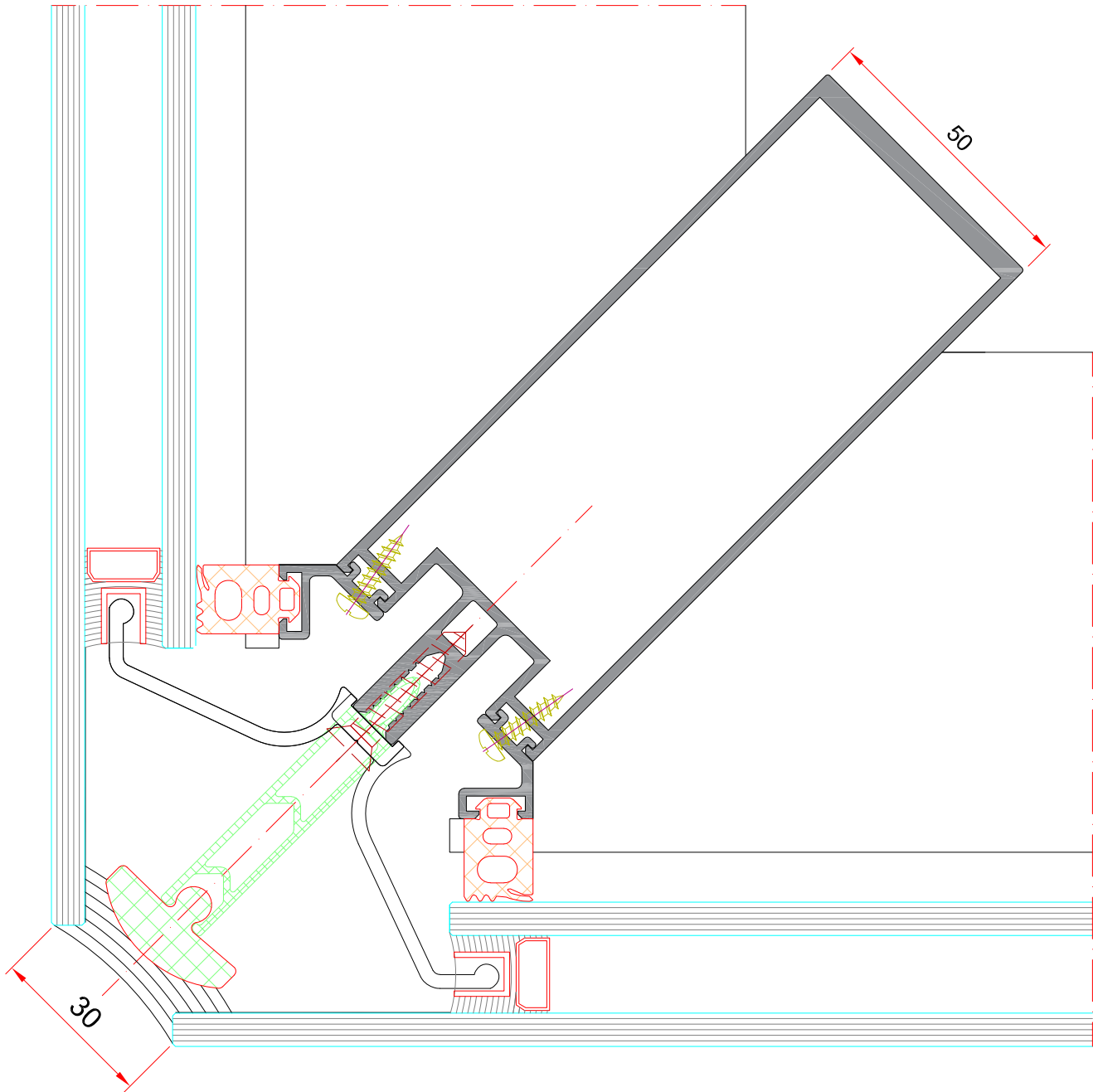


TRANSOM SILL DETAIL



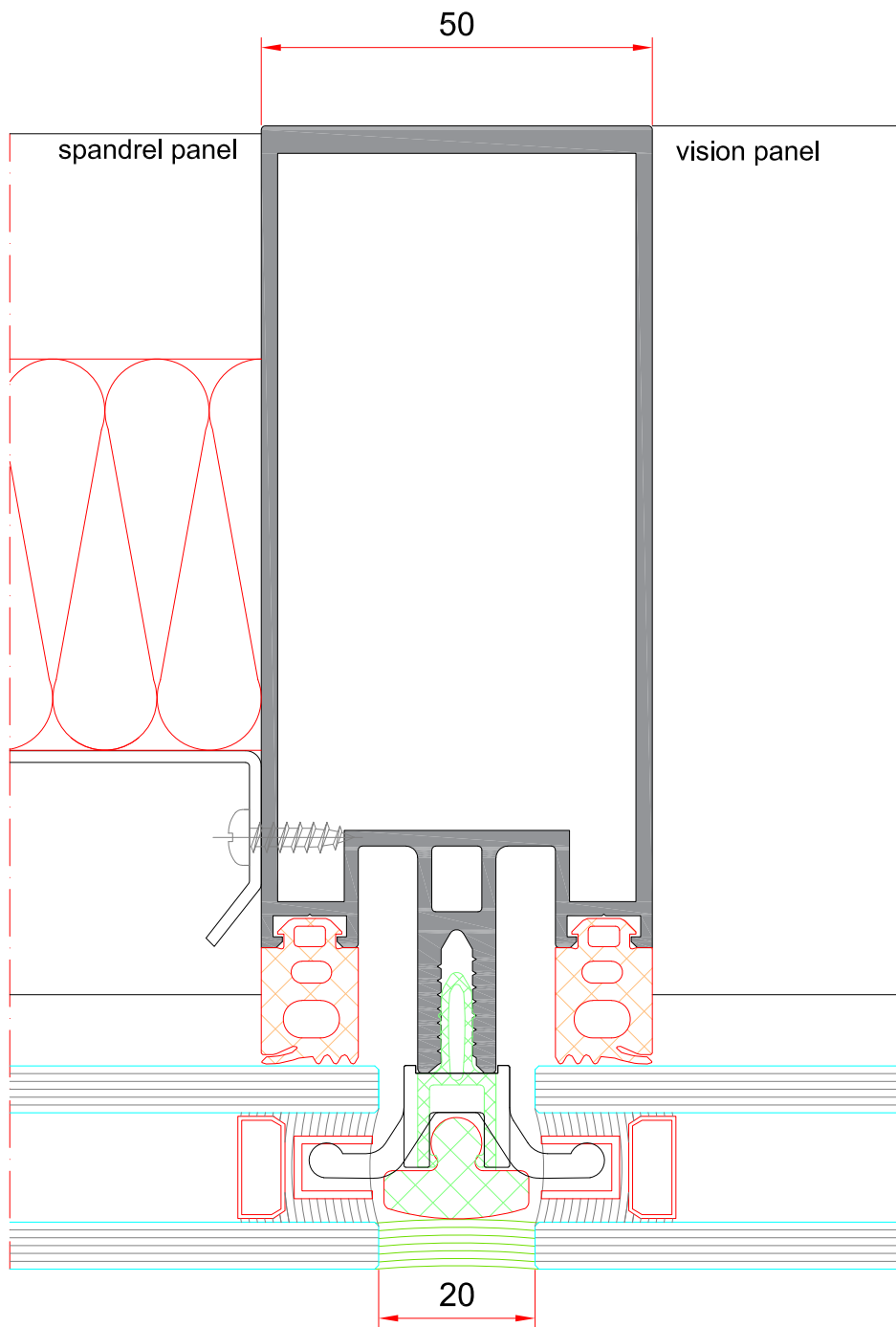
TRANSOM INTERMEDIATE DETAIL



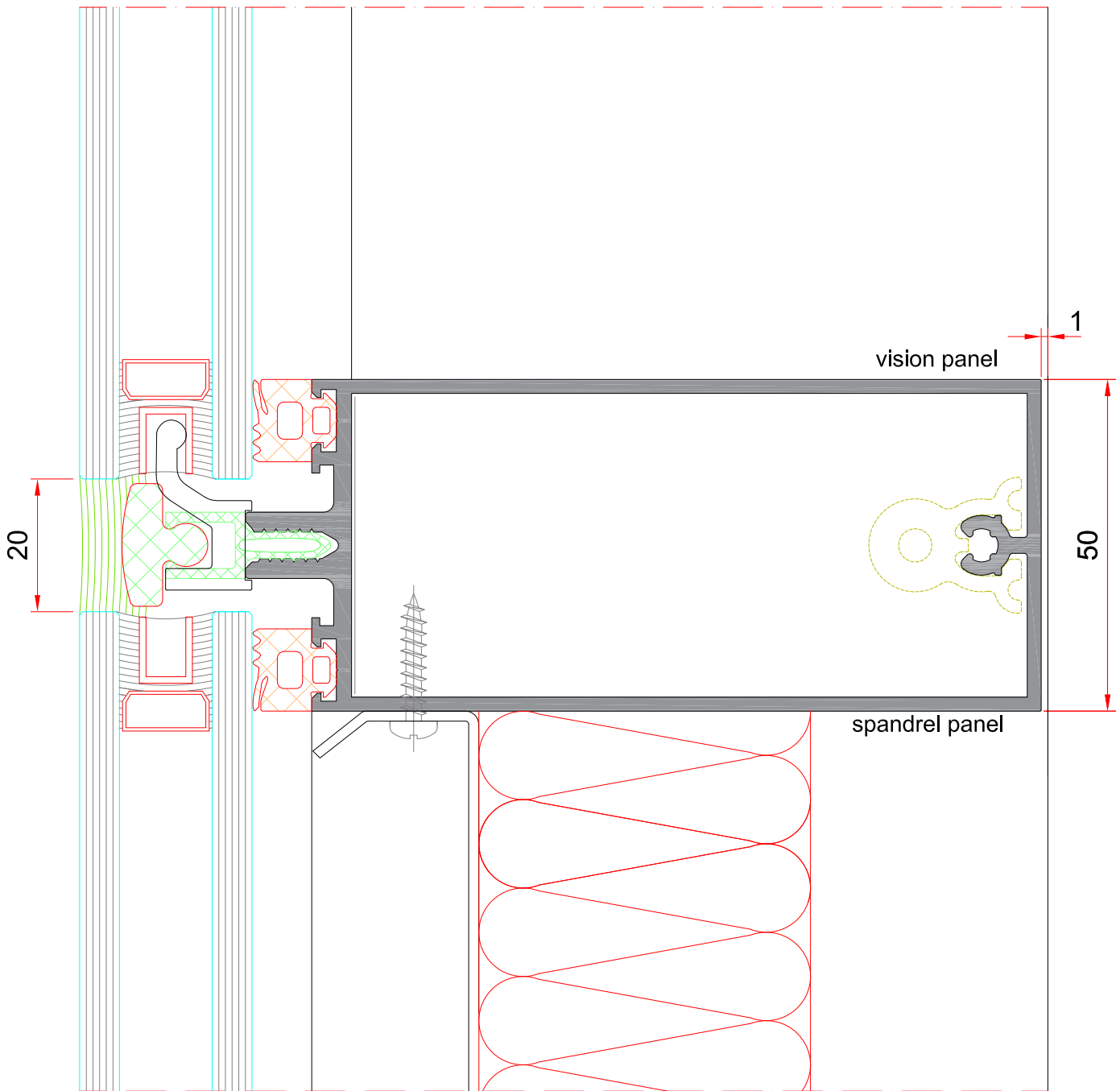


MULLION SECTION 90° GLASS JOINT CORNER DETAIL

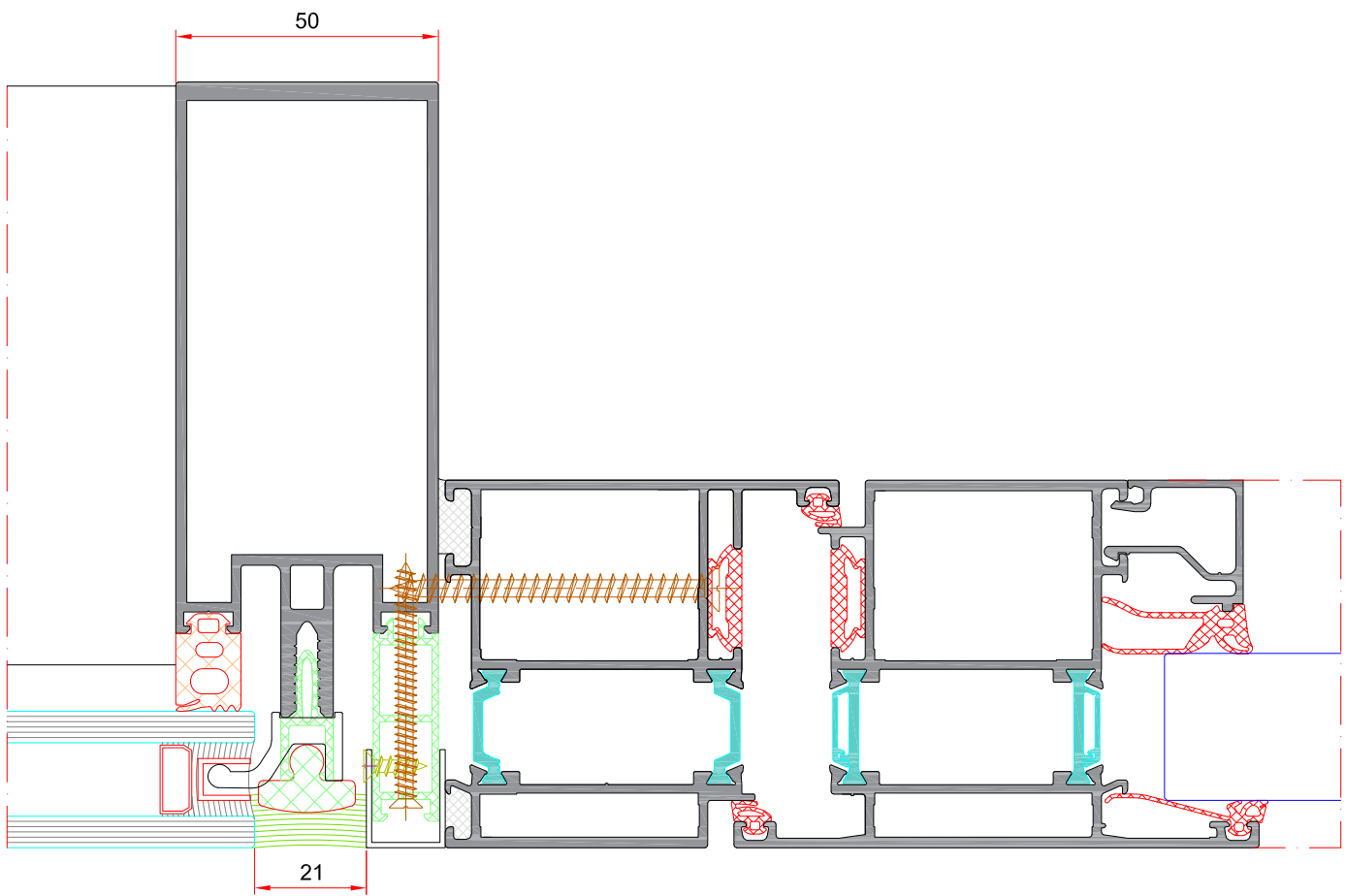
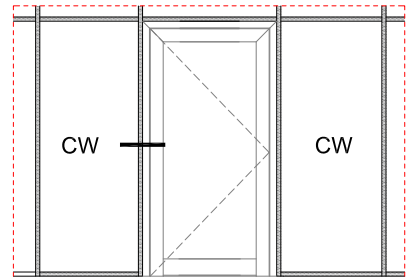
Note :Transom section size at corner must be smaller than corner mullion section size or corner mullion section must be bigger than transom section



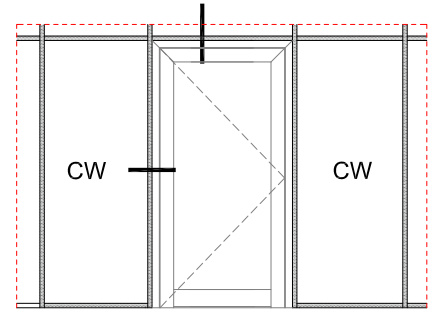
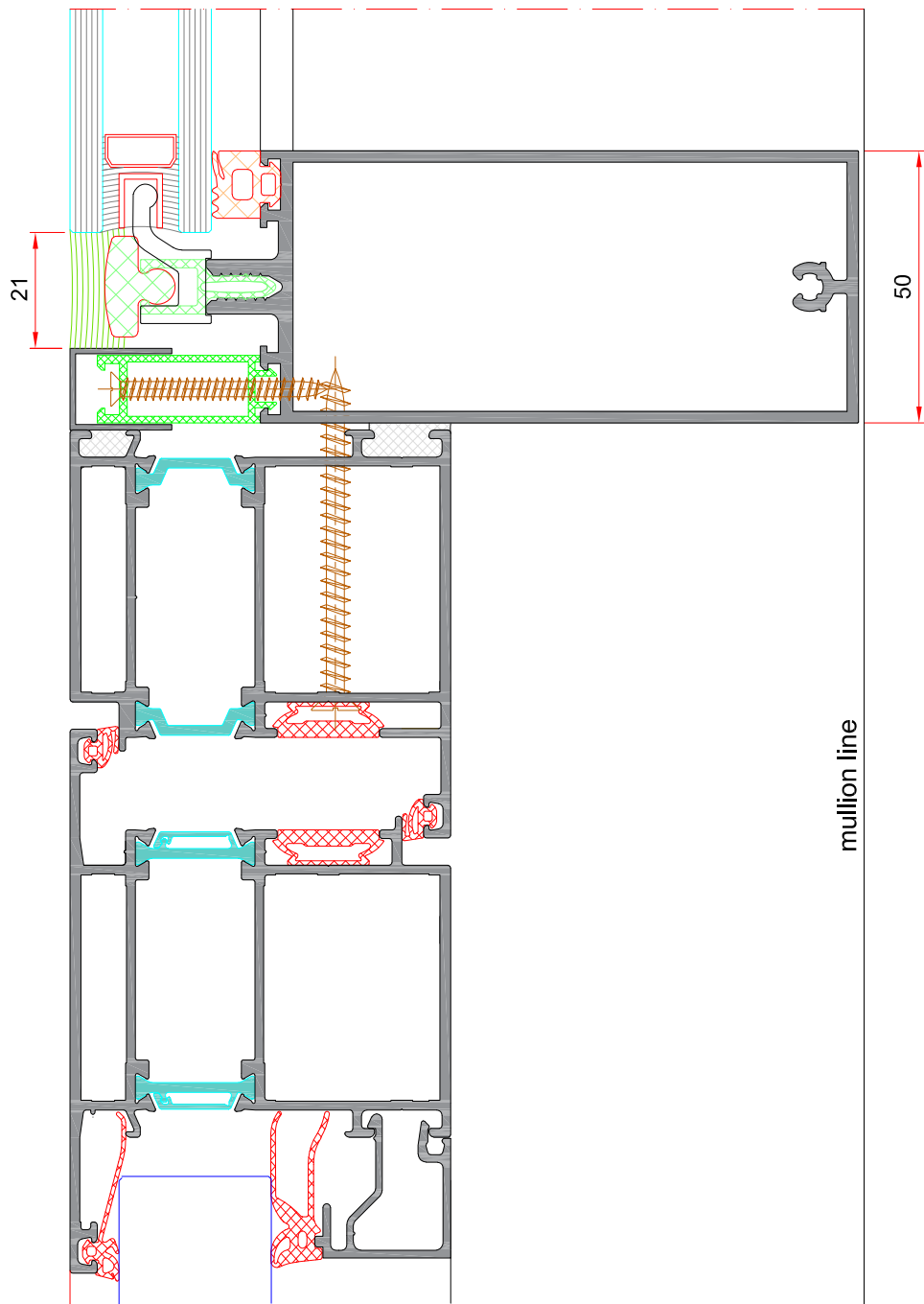
MULLION INTERMEDIATE SPANDREL DETAIL



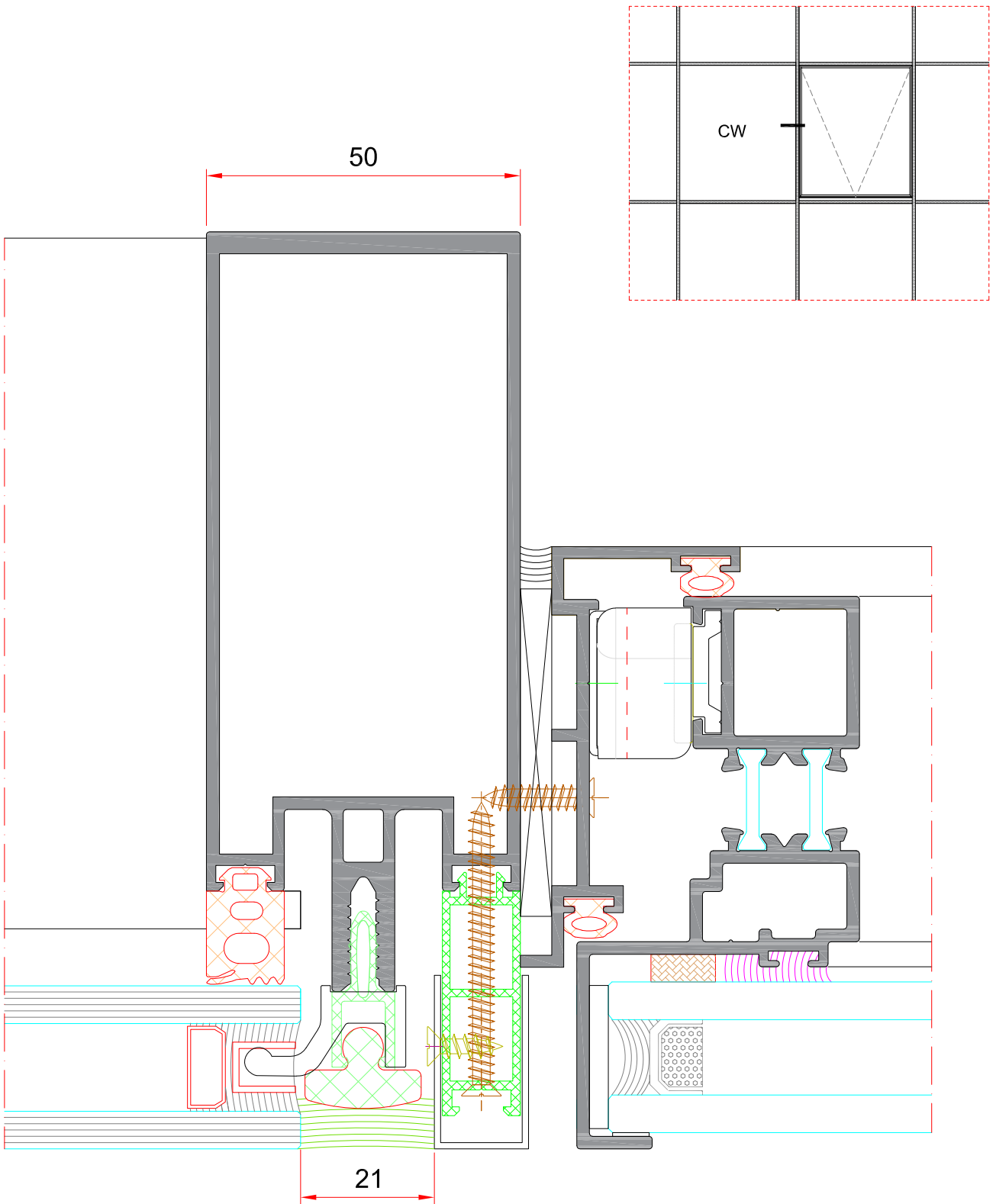
TRANSOM INTERMEDIATE SPANDREL DETAIL



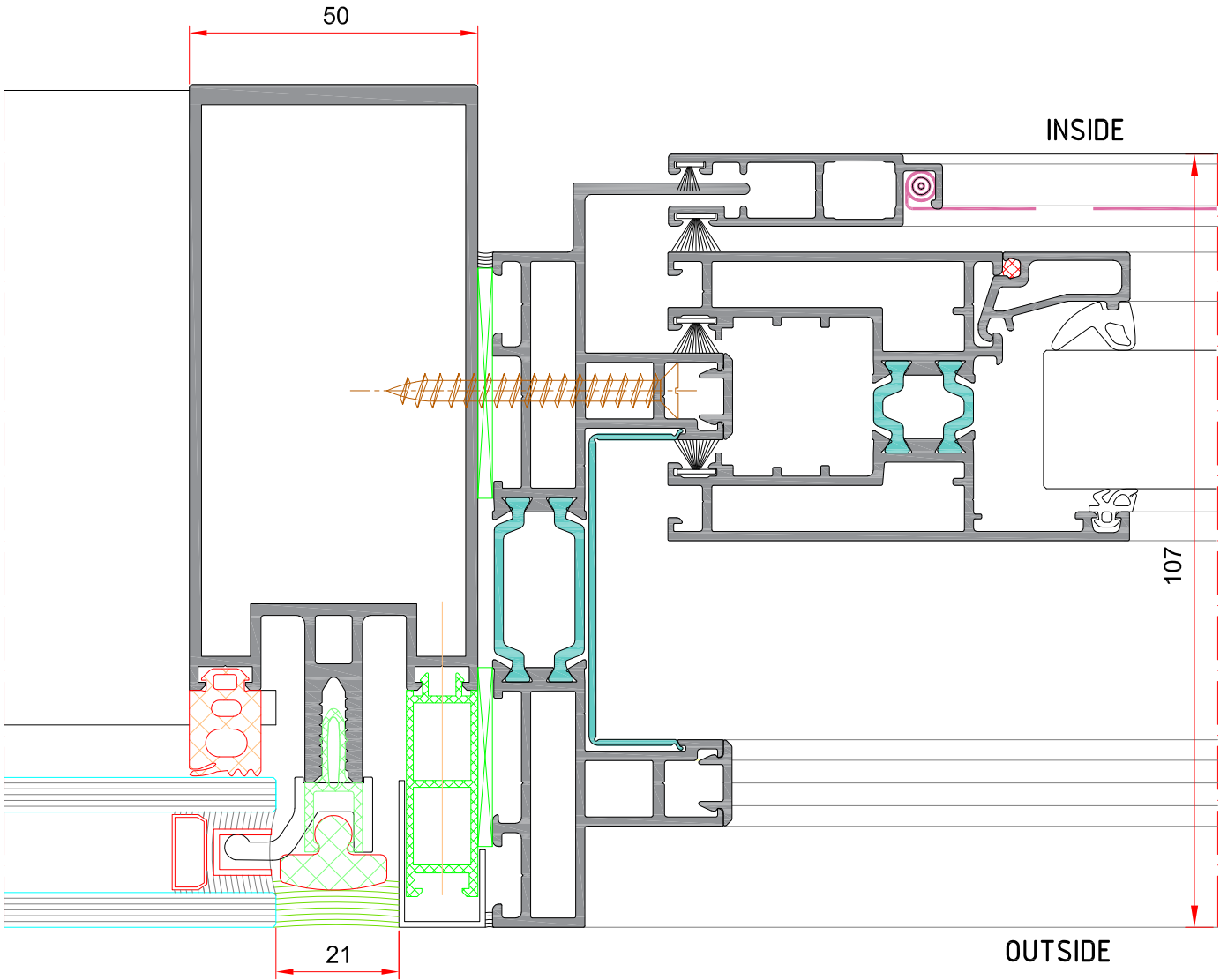
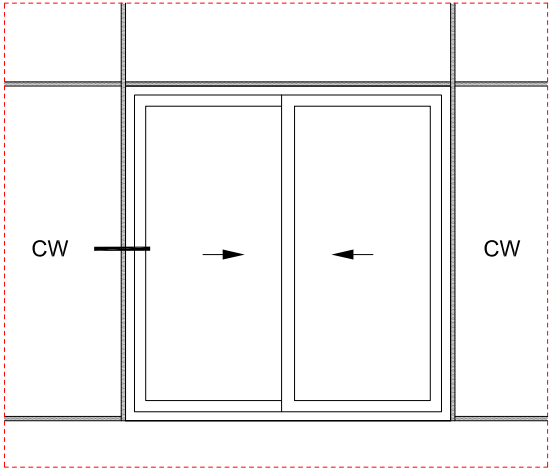
MULLION SECTION & HINGED DOOR JAMB  
SECTIONAL DETAIL



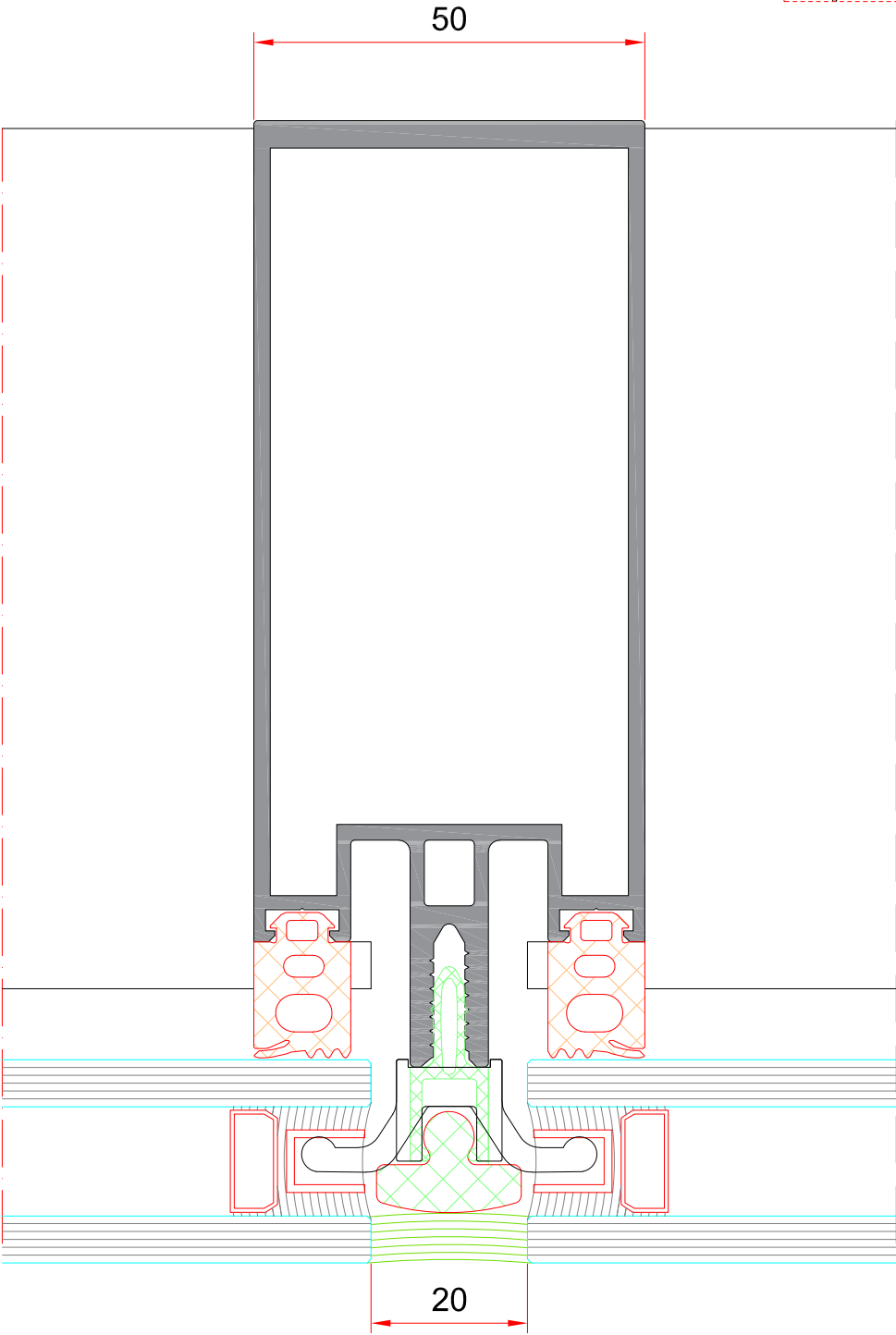
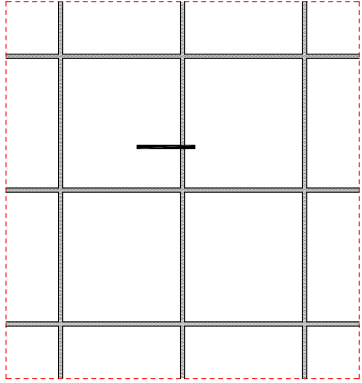
MULLION SECTION & HINGED DOOR HEAD  
SECTIONAL DETAIL



MULLION SECTION & TOP HUNG WINDOW JAMB  
SECTIONAL DETAIL



MULLION SECTION & SLIDING DOOR JAMB  
SECTIONAL DETAIL



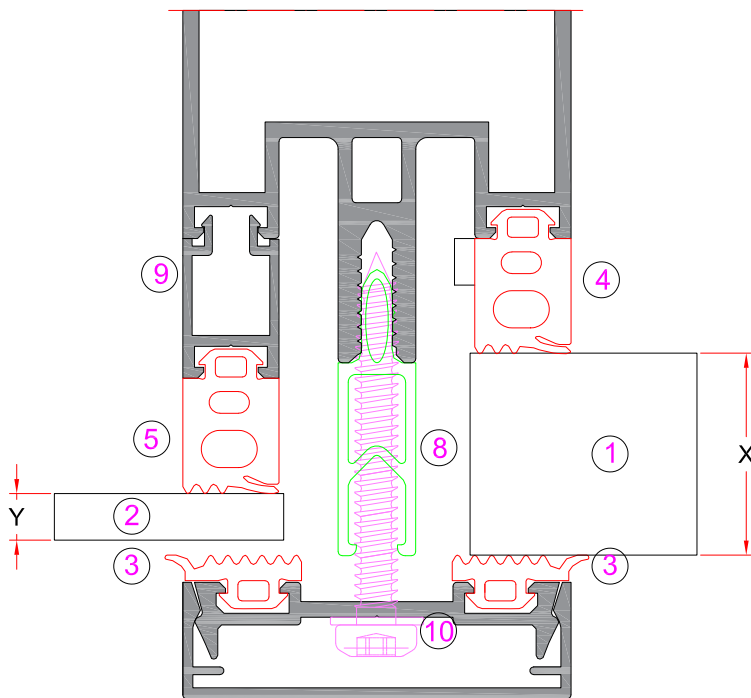
MULLION INTERMEDIATE DETAIL



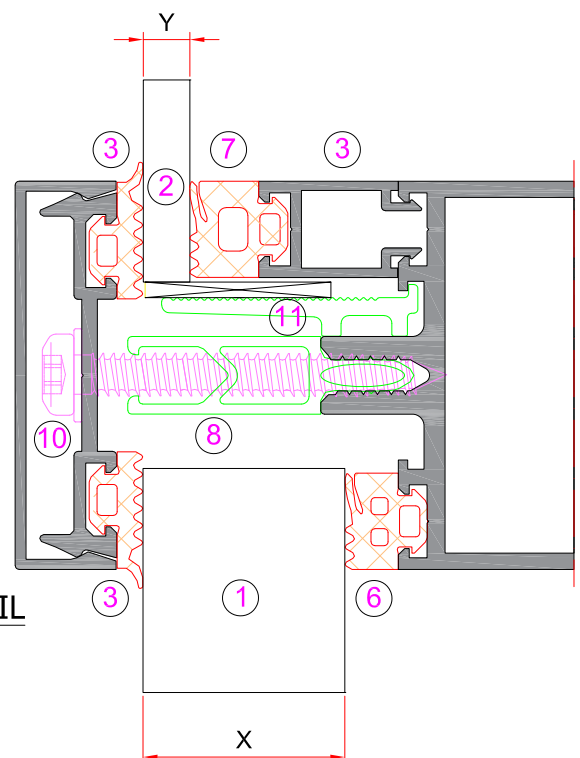
# GLAZING CHART

## Glazing thickness : 22mm - 26mm

Double Glass Thickness ①	Single Glass Thickness ②	Pressure Plate Gasket ③	Mullion Gasket ④	Mullion Gasket ⑤	Transom Gasket ⑥	Transom Gasket ⑦	Isolator ⑧	Adaptor Profile ⑨	Pressure Plate Screw ⑩	Glass Support Block ⑪	Drainage Spout ⑫
22mm - 26mm	6mm	GK1001	GK1007	GK1008	GK1004	GK1005	FF50TB101	PD-20256	SSX01	PD-20268	FF50DS301
	8mm	GK1001	GK1007	GK1007	GK1004	GK1004	FF50TB101	PD-20256	SSX01	PD-20268	FF50DS301
	10mm	GK1001	GK1007	GK1006	GK1004	GK1003	FF50TB101	PD-20256	SSX01	PD-20268	FF50DS301
	12mm	GK1001	GK1007	GK1005	GK1004	GK1002	FF50TB101	PD-20256	SSX01	PD-20268	FF50DS301



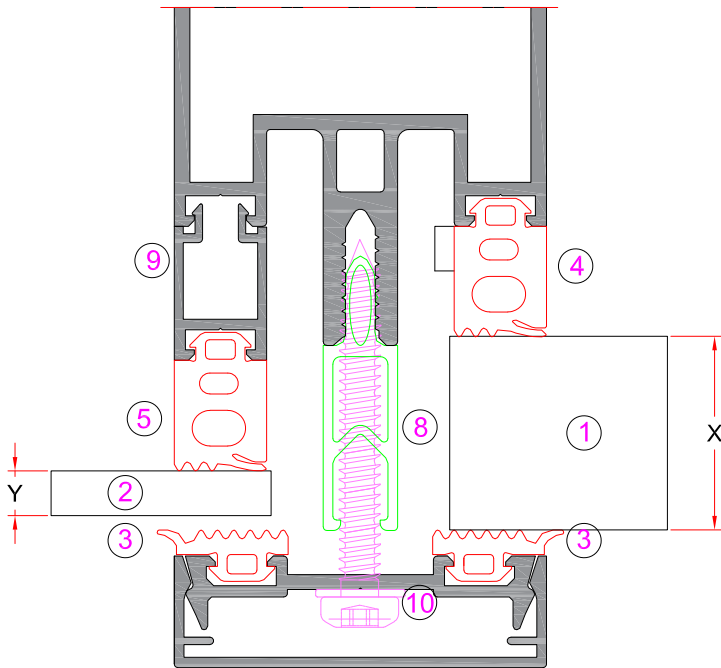
MULLION DETAIL



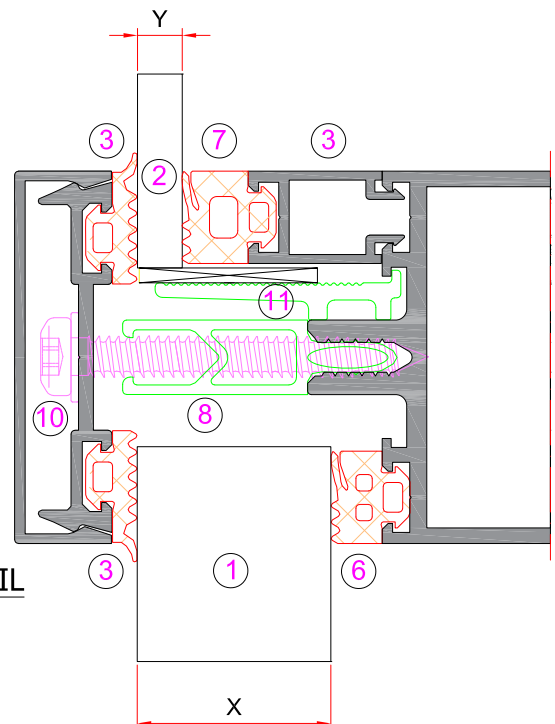
TRANSOM DETAIL

## Glazing thickness : 28mm - 32mm

Double Glass Thickness ①	Single Glass Thickness ②	Pressure Plate Gasket ③	Mullion Gasket ④	Mullion Gasket ⑤	Transom Gasket ⑥	Transom Gasket ⑦	Isolator ⑧	Adaptor Profile ⑨	Pressure Plate Screw ⑩	Glass Support Block ⑪	Drainage Spout ⑫
28mm - 32mm	6mm	GK1001	GK1007	GK1008	GK1004	GK1005	FF50TB102	PD-20257	SSX01	PD-20268	FF50DS301
	8mm	GK1001	GK1007	GK1007	GK1004	GK1004	FF50TB102	PD-20257	SSX01	PD-20268	FF50DS301
	10mm	GK1001	GK1007	GK1006	GK1004	GK1003	FF50TB102	PD-20257	SSX01	PD-20268	FF50DS301
	12mm	GK1001	GK1007	GK1005	GK1004	GK1002	FF50TB102	PD-20257	SSX01	PD-20268	FF50DS301



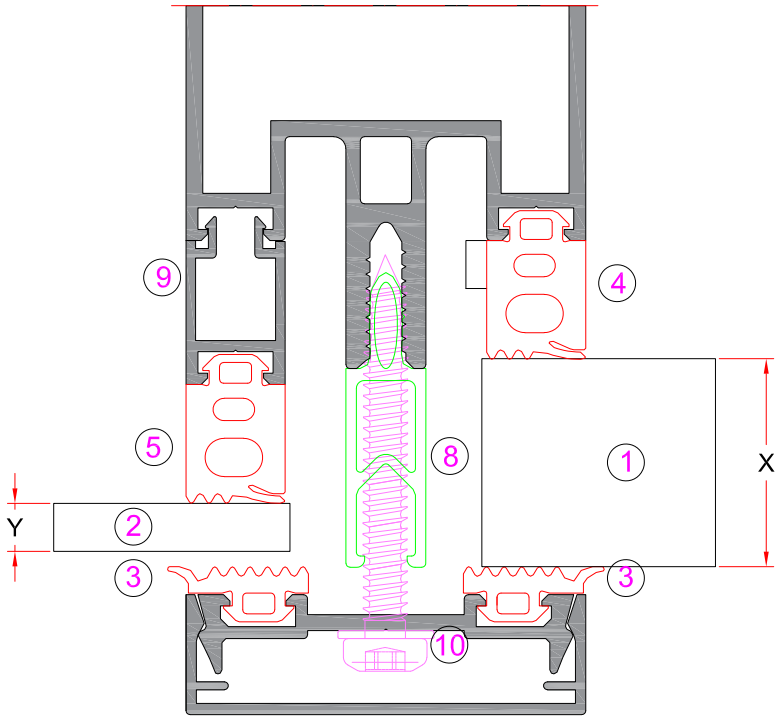
MULLION DETAIL



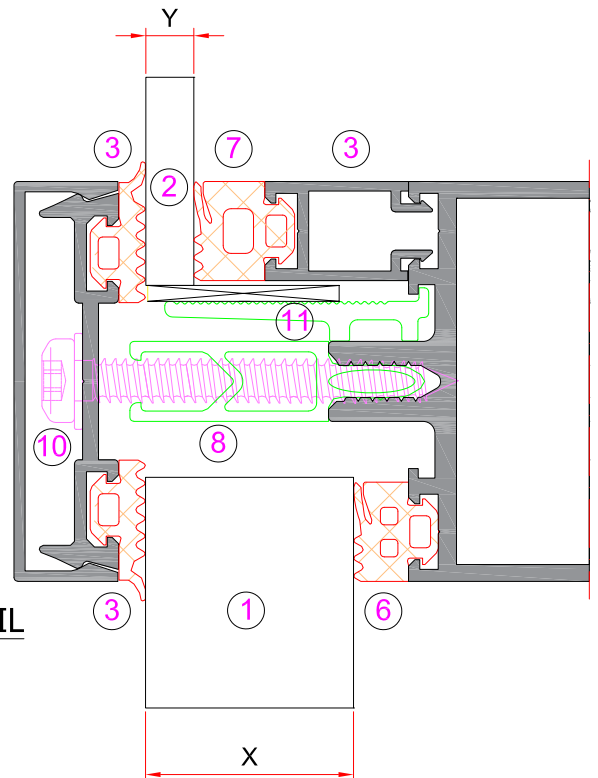
TRANSOM DETAIL

# Glazing thickness : 34mm - 38mm

Double Glass Thickness ①	Single Glass Thickness ②	Pressure Plate Gasket ③	Mullion Gasket ④	Mullion Gasket ⑤	Transom Gasket ⑥	Transom Gasket ⑦	Isolator ⑧	Adaptor Profile ⑨	Pressure Plate Screw ⑩	Glass Support Block ⑪	Drainage Spout ⑫
34mm - 38mm	6mm	GK1001	GK1007	GK1008	GK1004	GK1005	FF50TB103	PD-20258	SSX02	PD-20269	FF50DS302
	8mm	GK1001	GK1007	GK1007	GK1004	GK1004	FF50TB103	PD-20258	SSX02	PD-20269	FF50DS302
	10mm	GK1001	GK1007	GK1006	GK1004	GK1003	FF50TB103	PD-20258	SSX02	PD-20269	FF50DS302
	12mm	GK1001	GK1007	GK1005	GK1004	GK1002	FF50TB103	PD-20258	SSX02	PD-20269	FF50DS302



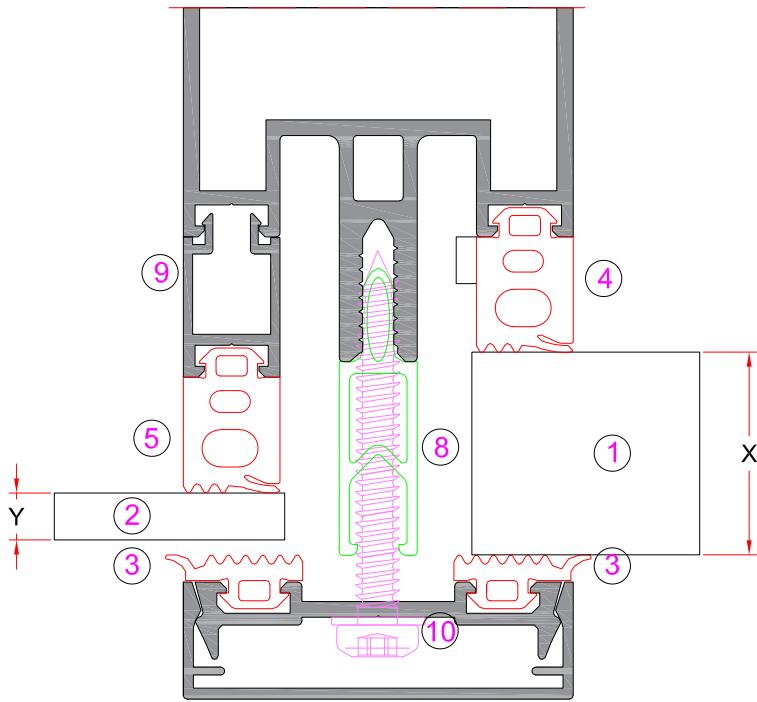
**MULLION DETAIL**



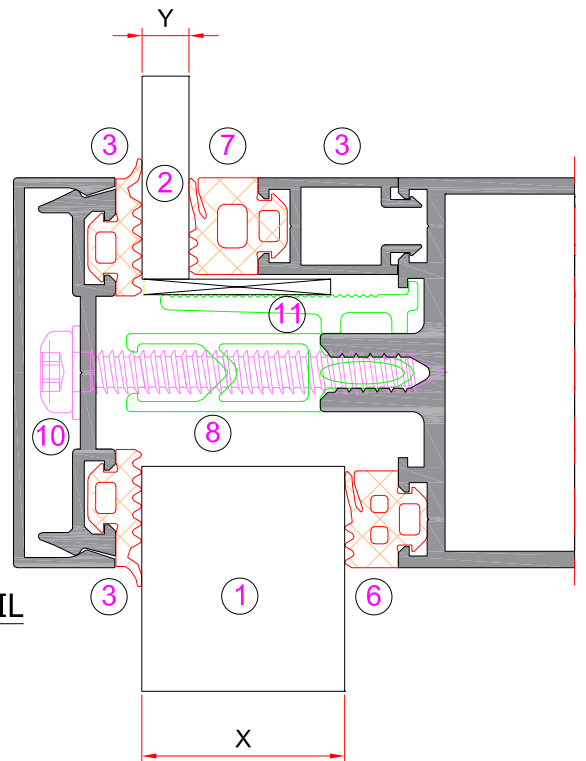
**TRANSOM DETAIL**

# Glazing thickness : 40mm - 44mm

Double Glass Thickness ①	Single Glass Thickness ②	Pressure Plate Gasket ③	Mullion Gasket ④	Mullion Gasket ⑤	Transom Gasket ⑥	Transom Gasket ⑦	Isolator ⑧	Adaptor Profile ⑨	Pressure Plate Screw ⑩	Glass Support Block ⑪	Drainage Spout ⑫
X	Y										
40mm - 44mm	6mm	GK1001	GK1007	GK1008	GK1004	GK1005	FF50TB104	PD-20259	SSX02	PD-20269	FF50DS302
	8mm	GK1001	GK1007	GK1007	GK1004	GK1004	FF50TB104	PD-20259	SSX02	PD-20269	FF50DS302
	10mm	GK1001	GK1007	GK1006	GK1004	GK1003	FF50TB104	PD-20259	SSX02	PD-20269	FF50DS302
	12mm	GK1001	GK1007	GK1005	GK1004	GK1002	FF50TB104	PD-20259	SSX02	PD-20269	FF50DS302



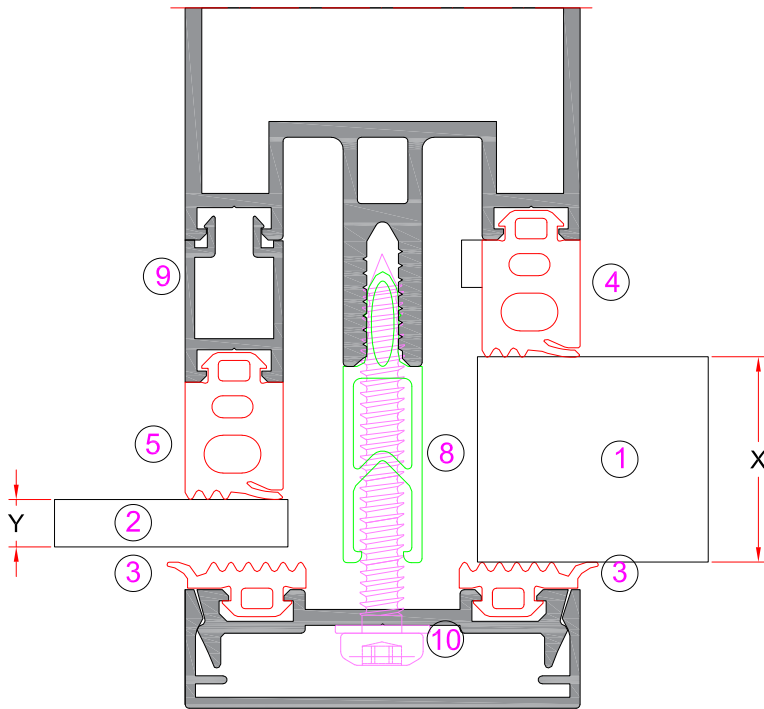
**MULLION DETAIL**



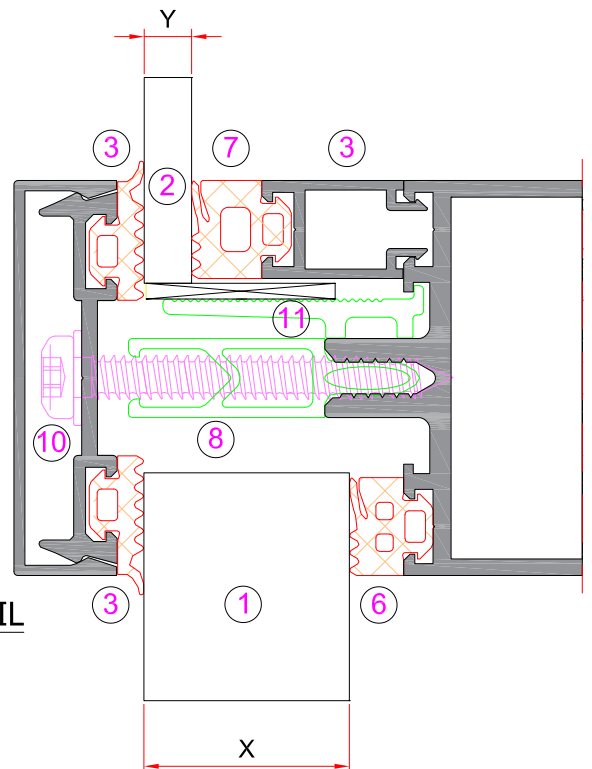
**TRANSOM DETAIL**

## Glazing thickness : 46mm - 50mm

Double Glass Thickness ①	Single Glass Thickness ②	Pressure Plate Gasket ③	Mullion Gasket ④	Mullion Gasket ⑤	Transom Gasket ⑥	Transom Gasket ⑦	Isolator ⑧	Adaptor Profile ⑨	Pressure Plate Screw ⑩	Glass Support Block ⑪	Drainage Spout ⑫
46mm - 50mm	6mm	GK1001	GK1007	GK1008	GK1004	GK1005	FF50TB105	PD-20260	SSX03	PD-20270	FF50DS303
	8mm	GK1001	GK1007	GK1007	GK1004	GK1004	FF50TB105	PD-20260	SSX03	PD-20270	FF50DS303
	10mm	GK1001	GK1007	GK1006	GK1004	GK1003	FF50TB105	PD-20260	SSX03	PD-20270	FF50DS303
	12mm	GK1001	GK1007	GK1005	GK1004	GK1002	FF50TB105	PD-20260	SSX03	PD-20270	FF50DS303



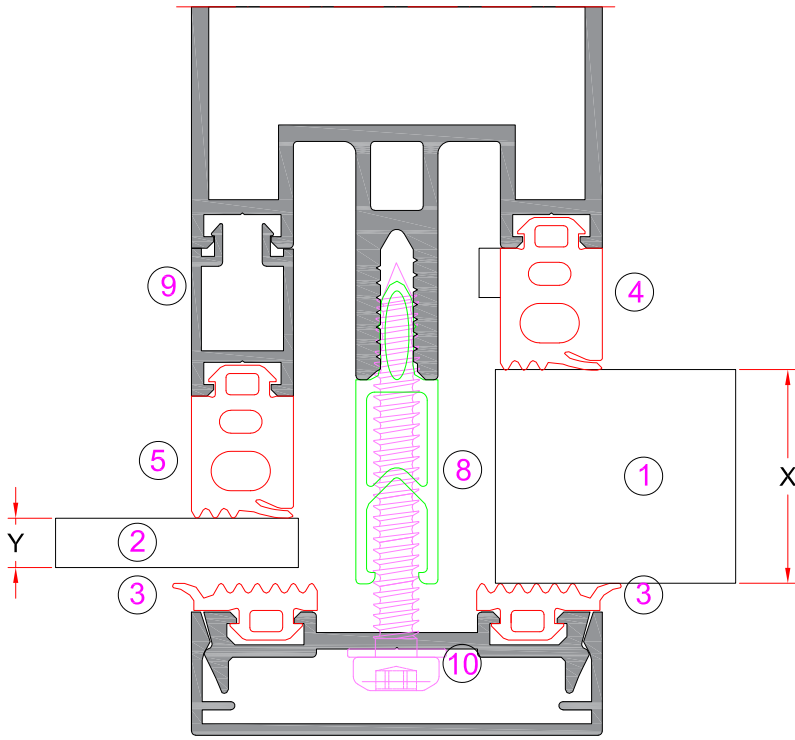
MULLION DETAIL



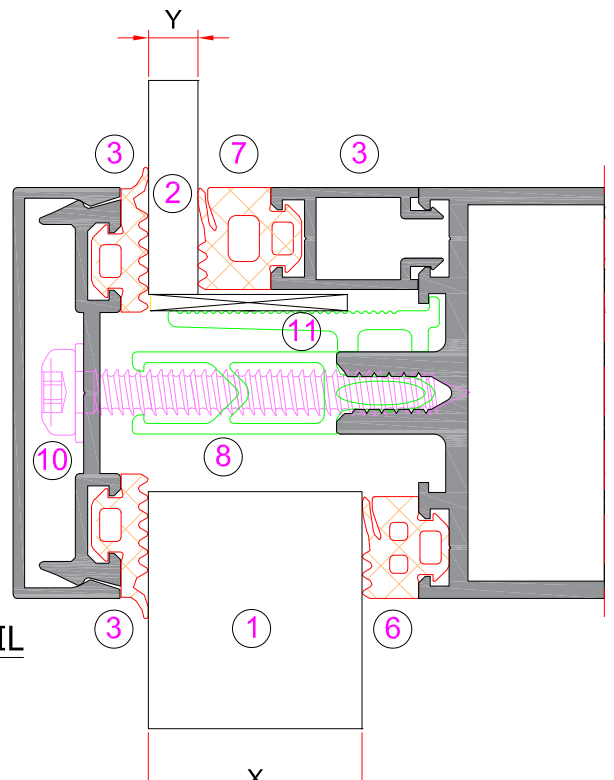
TRANSOM DETAIL

# Glazing thickness : 52mm - 56mm

Double Glass Thickness ①	Single Glass Thickness ②	Pressure Plate Gasket ③	Mullion Gasket ④	Mullion Gasket ⑤	Transom Gasket ⑥	Transom Gasket ⑦	Isolator ⑧	Adaptor Profile ⑨	Pressure Plate Screw ⑩	Glass Support Block ⑪	Drainage Spout ⑫
X	Y										
52mm - 56mm	6mm	GK1001	GK1007	GK1008	GK1004	GK1005	FF50TB105	PD-20261	SSX03	PD-20270	FF50DS303
	8mm	GK1001	GK1007	GK1007	GK1004	GK1004	FF50TB105	PD-20261	SSX03	PD-20270	FF50DS303
	10mm	GK1001	GK1007	GK1006	GK1004	GK1003	FF50TB105	PD-20261	SSX03	PD-20270	FF50DS303
	12mm	GK1001	GK1007	GK1005	GK1004	GK1002	FF50TB105	PD-20261	SSX03	PD-20270	FF50DS303



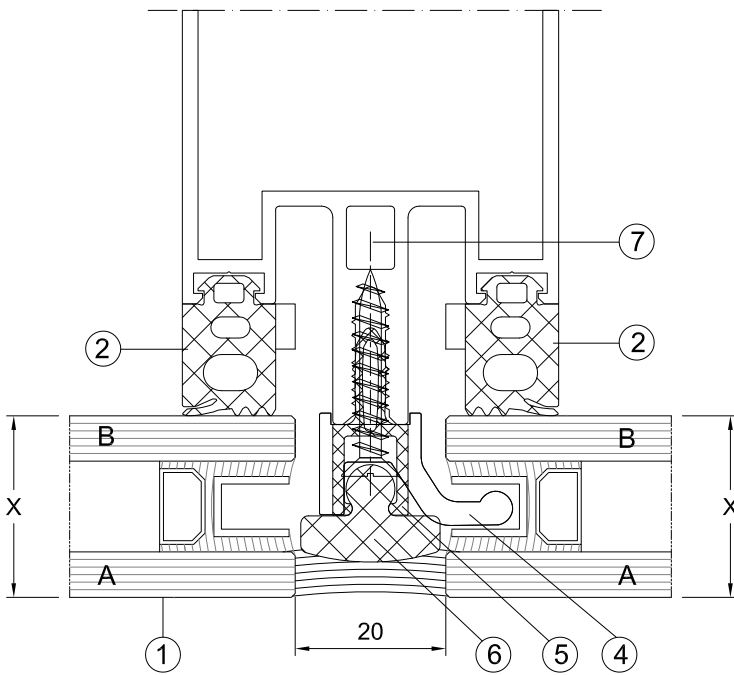
**MULLION DETAIL**



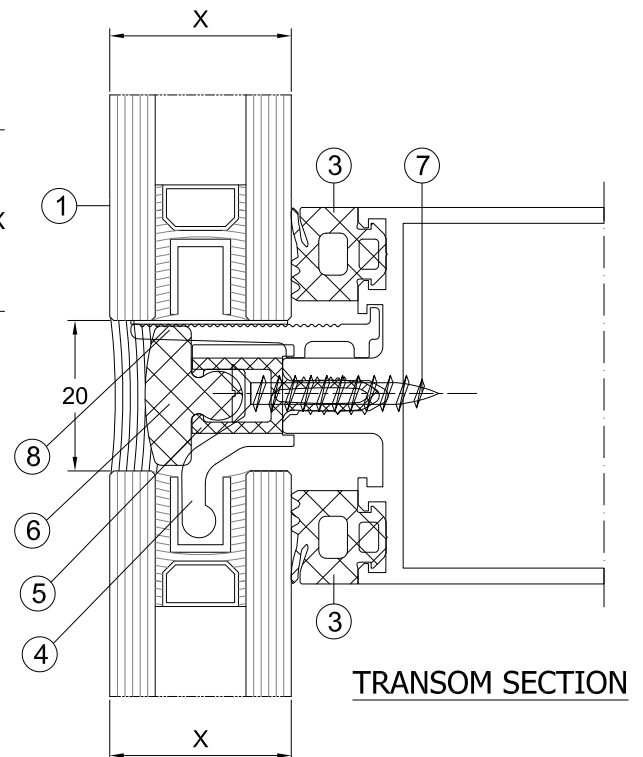
**TRANSOM DETAIL**

# Glazing Chart : 24mm to 38mm (4 way glazing)

Total Glazing Thickness ①	Double Glass Thicknesses		Mullion Gasket ②	Transom Gasket ③	Toogle Profile ④	Isolator ⑤	Backer Rod ⑥	Toggle Screw ⑦ <small>CSK Ø4.8mm Lg25mm</small>	Glass Support Block ⑧
	A	B							
24/26/28mm	6mm	6mm	GK1008 <small>(15mm)</small>	GK1006 <small>(9mm)</small>	PD-20271	FF50TB1XX	FF50BR1XX	SSXL02	PD-20268 <small>(33mm)</small>
32mm	6mm	6mm	GK1006 <small>(11mm)</small>	GK1003 <small>(5mm)</small>					
32mm	6mm	8mm	GK1006 <small>(11mm)</small>	GK1003 <small>(5mm)</small>					
32mm	6mm	10mm	GK1006 <small>(11mm)</small>	GK1003 <small>(5mm)</small>					
36mm	6mm	10mm	GK1006 <small>(9mm)</small>	GK1002 <small>(3mm)</small>					
38mm	10mm	8mm	GK1006 <small>(9mm)</small>	GK1002 <small>(3mm)</small>					PD-20269 <small>(43mm)</small>



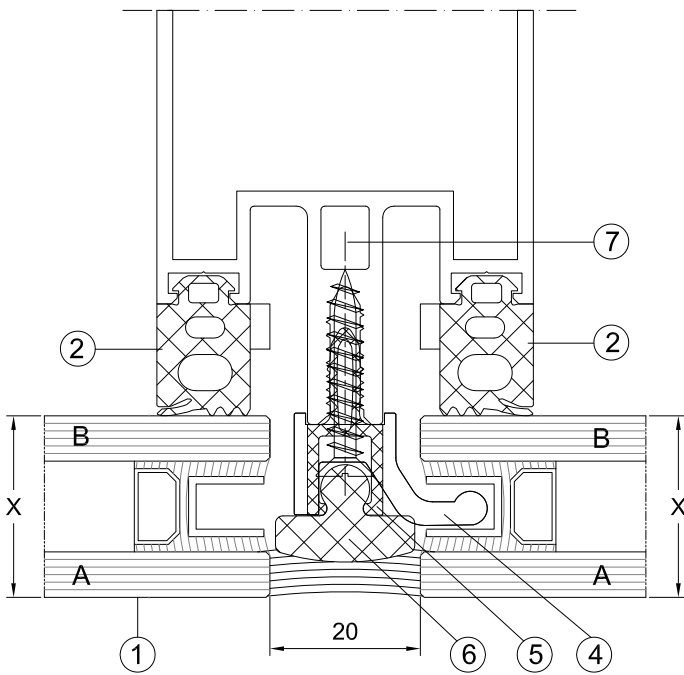
**MULLION SECTION**



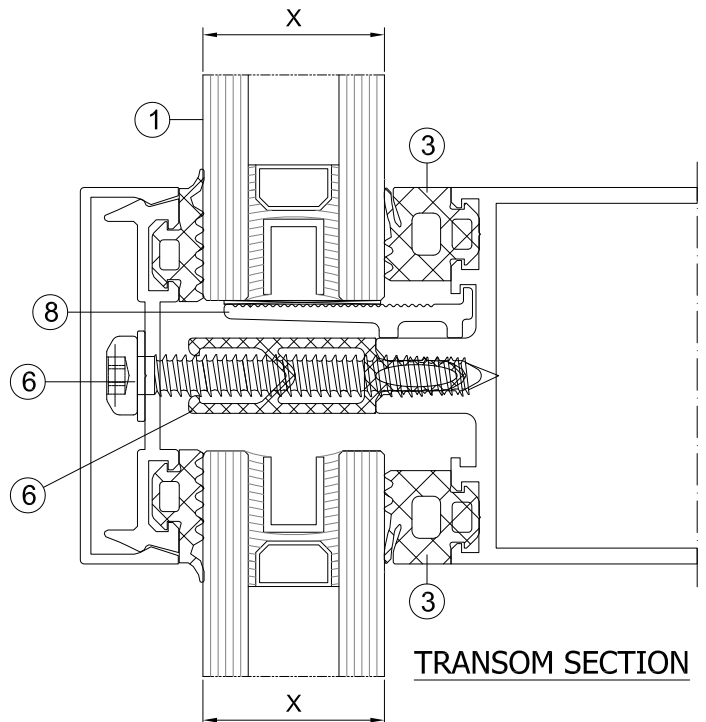
**TRANSOM SECTION**

# Glazing Chart : 24mm to 38mm (2 way glazing -Vertical)

Total Glazing Thickness (1)	Double Glass Thicknesses		Mullion Gasket (2)	Transom Gasket (3)	Toogle Profile (4)	Isolator (5)	Backer Rod (6)	Toggle Screw (7)	Isolator (5)	P plate Screw (7)	Glass Support Block (8)
24/26/28mm	6mm	6mm	GK1008 (15mm)	GK1006 (9mm)	PD-20271	FF50TB1XX	FF50BR1XX	SSXL02	FF50TB105	SSX01	PD-20268 (33mm)
32mm	6mm	6mm	GK1006 (11mm)	GK1003 (5mm)						SSX02	
32mm	6mm	8mm	GK1006 (11mm)	GK1003 (5mm)						SSX02	
32mm	6mm	10mm	GK1006 (11mm)	GK1003 (5mm)						SSX02	
36mm	6mm	10mm	GK1006 (9mm)	GK1002 (3mm)						SSX03	PD-20269 (43mm)
38mm	10mm	8mm	GK1006 (9mm)	GK1002 (3mm)						SSX03	



**MULLION SECTION**

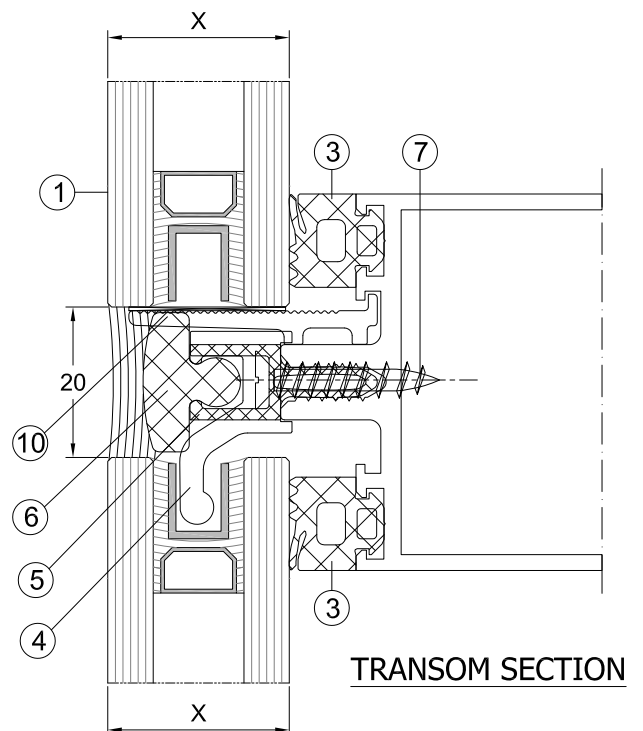
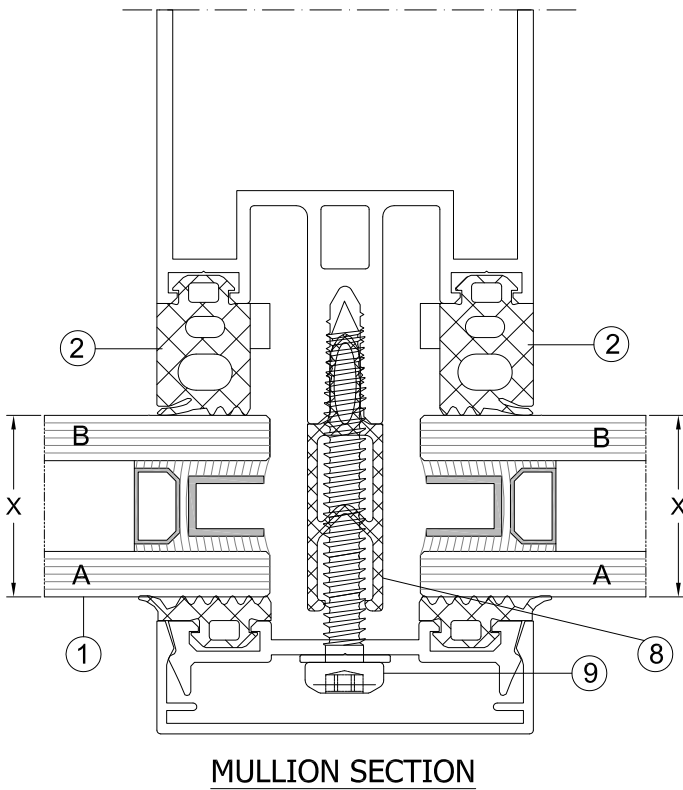


**TRANSOM SECTION**



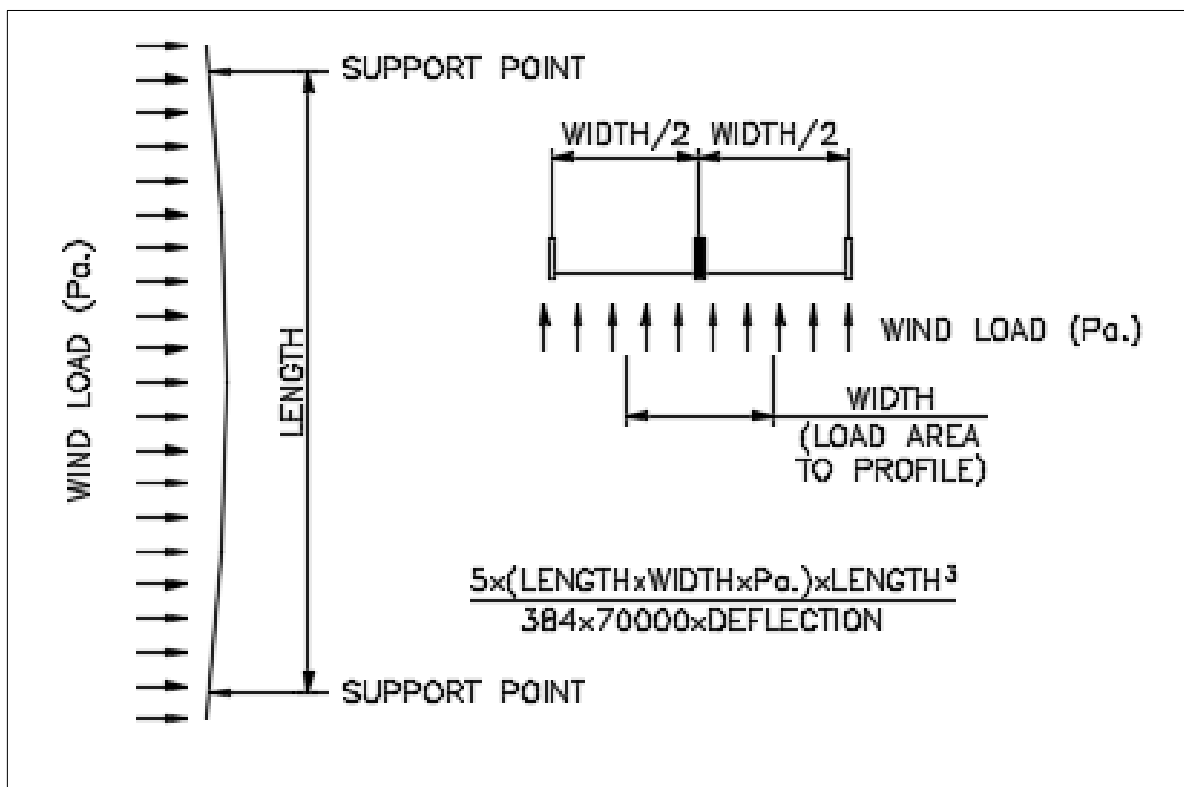
# Glazing Chart : 24mm to 38mm (2 way glazing -Horizontal)

Total Glazing Thickness (1)	Double Glass Thicknesses		Mullion Gasket (2)	Transom Gasket (3)	Toogle Profile (4)	Isolator (5)	Backer Rod (6)	Toggle Screw (7)	Isolator (8)	P plate Screw (9)	Glass Support Block (10)
24/26/28mm	6mm	6mm	GK1008 (15mm)	GK1006 (9mm)	PD-20271	FF50TB1XX	FF50BR1XX	SSXL02	FF50TB105	SSX02	PD-20268 (33mm)
32mm	6mm	6mm	GK1006 (11mm)	GK1003 (5mm)						SSX03	
32mm	6mm	8mm	GK1006 (11mm)	GK1003 (5mm)						SSX03	
32mm	6mm	10mm	GK1006 (11mm)	GK1003 (5mm)						SSX03	
36mm	6mm	10mm	GK1006 (9mm)	GK1002 (3mm)						SSX04	PD-20269 (43mm)
38mm	10mm	8mm	GK1006 (9mm)	GK1002 (3mm)						SSX04	



# SIZE LIMITATION

MULLION SECTION NO.	MULLION DIMENSION	MAX.UNSUPPORTED MULLION HEIGHT	MAX. SPACING BETWEEN MULLION	MAXIMUM WIND PRESSURE
PD-20215	105mm X 50mm	3200mm	1500mm	800Pa
PD-20215	105mm X 50mm	3100mm	1400mm	1000Pa
PD-20215	105mm X 50mm	3050mm	1200mm	1200Pa
PD-20215	105mm X 50mm	3000mm	1000mm	1500Pa
PD-20216	125mm X 50mm	3500mm	1400mm	1000Pa
PD-20216	125mm X 50mm	3400mm	1250mm	1200Pa
PD-20216	125mm X 50mm	3300mm	1200mm	1400Pa
PD-20216	125mm X 50mm	3200mm	1175mm	1600Pa
PD-20217	150mm X 50mm	3750mm	1400mm	1200Pa
PD-20217	150mm X 50mm	3675mm	1300mm	1400Pa
PD-20217	150mm X 50mm	3600mm	1200mm	1600Pa
PD-20217	150mm X 50mm	3450mm	1200mm	1800Pa
PD-20218	175mm X 50mm	4400mm	1200mm	1200Pa
PD-20218	175mm X 50mm	4100mm	1200mm	1500Pa
PD-20218	175mm X 50mm	4100mm	1000mm	1800Pa
PD-20218	175mm X 50mm	3750mm	1200mm	2000Pa
PD-20219	200mm X 50mm	4250mm	1500mm	1500Pa
PD-20219	200mm X 50mm	4100mm	1400mm	1800Pa
PD-20219	200mm X 50mm	3850mm	1500mm	2000Pa
PD-20219	200mm X 50mm	3900mm	1350mm	2200Pa



**TRANSOM WIND LOAD CALCULATION:**

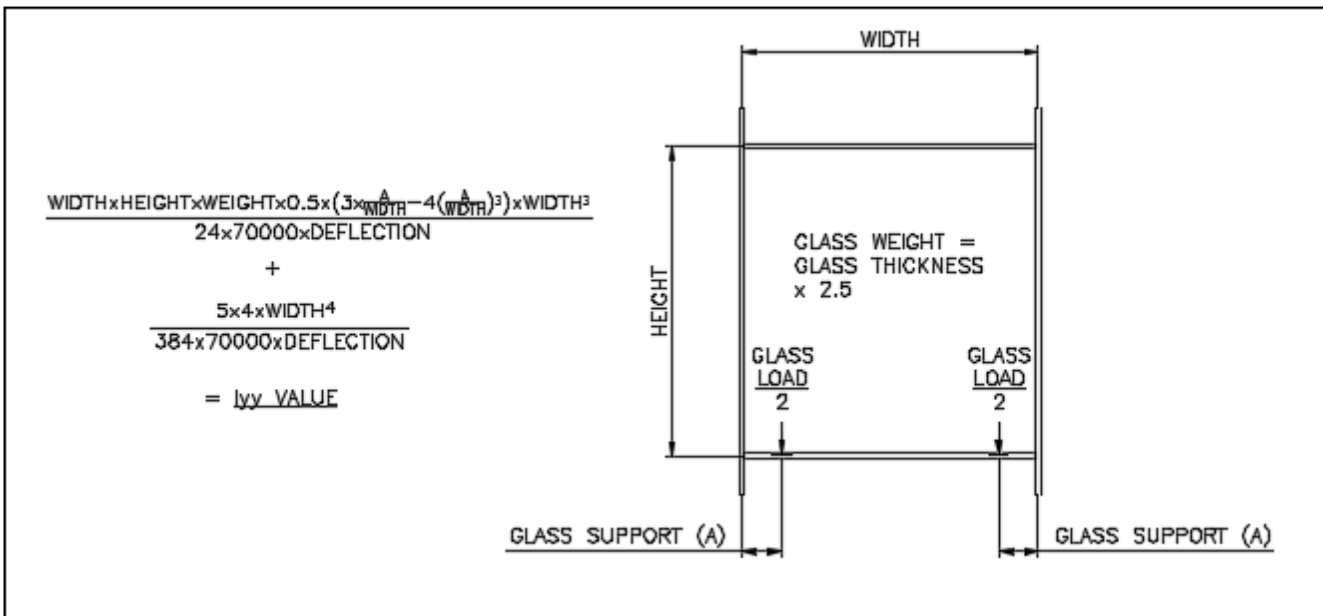
TRANSOM SECTION NO.	TRANSOM SIZE	MAXIMUM TRANSOM LENGTH	MAXIMUM TRANSOM CENTERS	MAXIMUM WIND PRESSURE	Maximum allowable deflection due to wind loading L/200 or maximum deflection 15mm
PD-20221	55mm X 50mm	≤ 1500mm	2000mm	≤ 1200Pa	
PD-20222	70mm X 50mm	≤ 1600mm	2000mm	≤ 1700Pa	
PD-20223	90mm X 50mm	≤ 1700mm	2000mm	≤ 2500Pa	
PD-20224	110mm X 50mm	≤ 1950mm	2000mm	≤ 2800Pa	
PD-20225	130mm X 50mm	≤ 2200mm	2000mm	≤ 3000Pa	
PD-20226	155mm X 50mm	≤ 2300mm	2500mm	≤ 3200Pa	
PD-20227	180mm X 50mm	≤ 2500mm	2500mm	≤ 3500Pa	
PD-20228	205mm X 50mm	≤ 2800mm	2200mm	≤ 3800Pa	

NOTE : REFER TRANSOM LOADS TABLE BELOW FOR CORRESPONDING WIND LOADS

**TRANSOM DEAD LOAD CALCULATION:**

TRANSOM WIDTH	MAXIMUM TRANSOM LOAD	MAXIMUM TRANSOM LOAD	MAXIMUM TRANSOM LOAD	MAXIMUM TRANSOM LOAD	MAXIMUM TRANSOM LOAD	MAXIMUM TRANSOM LOAD	MAXIMUM TRANSOM LOAD	MAXIMUM TRANSOM LOAD
	(PD-20221)	(PD-20222)	(PD-20223)	(PD-20224)	(PD-20225)	(PD-20226)	(PD-20227)	(PD-20228)
1000mm	200Kg	220Kg	240Kg	260Kg	280Kg	300Kg	320Kg	340Kg
1100mm	180Kg	200Kg	220Kg	240Kg	260Kg	280Kg	300Kg	320Kg
1200mm	160Kg	180Kg	200Kg	220Kg	240Kg	260Kg	280Kg	300Kg
1300mm	140Kg	160Kg	180Kg	200Kg	220Kg	240Kg	260Kg	280Kg
1400mm	120Kg	140Kg	160Kg	180Kg	200Kg	220Kg	240Kg	260Kg
1500mm	100Kg	120Kg	140Kg	160Kg	180Kg	200Kg	220Kg	240Kg
1600mm	-	100Kg	120Kg	140Kg	160Kg	180Kg	200Kg	220Kg
1700mm	-	-	100Kg	120Kg	140Kg	160Kg	180Kg	200Kg
1800mm	-	-	-	100Kg	120Kg	140Kg	160Kg	180Kg
1900mm	-	-	-	-	100Kg	120Kg	140Kg	160Kg
2000mm	-	-	-	-	-	100Kg	120Kg	140Kg
2200mm	-	-	-	-	-	-	100Kg	120Kg
2400mm	-	-	-	-	-	-	-	100Kg

Note : 1.Transom dead load and transom wind load tables must be read in conjunction to determine the correct transom.  
 2.For glass weight over 340Kg or larger transom length contact technical department.  
 3.Maximum allowable deflection due to dead loading L/400 or maximum deflection 3mm



**Interpon D Approved Applicator**

**Interpon D2000 Series**

**FUTURE SCAFFOLDING &  
ALUMINIUM INDUSTRIES**

**L.L.C**

DUBAI INDUSTRIAL CITY, U.A.E.

Has fulfilled AkzoNobel's tests and inspection regarding the pre-treatment, application, quality management standards and procedures, and complies with the requirements of the Architectural Range Approved Applicator schedule.

This certificate is effective from

**12 November 2019 to 11 November 2020**

Approved for Aluminium Alloys AA 6063

Approved for Pre-treatment Type Chrome Free



**António Balsinha**

Technical Service Manager  
Powder Coatings – Middle East

Date: 12/11/2019

Certification number N° UAE39D2



# Certificate of Assessment

Awarded to

**FUTURE SCAFFOLDING AND ALUMINIUM  
INDUSTRIES LLC**

at

P.O. BOX NO: 119950, DUBAI INDUSTRIAL CITY, DUBAI, UAE

Quality Registrar Systems certify that the management system of the above organization has been audited and found to be in compliance with the QRS requirements for registration of the management system standard detailed below:

**ISO 9001:2015**

Quality Management Systems

Scope of work

ALUMINIUM EXTRUSION, ALUMINIUM FORM WORK, ALUMINIUM SCAFFOLDING,  
ALUMINIUM & STEEL FABRICATION AND METAL COATING

Certificate No: DQU-10431

Originally Registered: 25 OCT 2016

Latest Issue: 15 OCT 2017

Valid up-to: 24 OCT 2018

Quality Registrar Systems



CB-037-MS



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www.qrsyst.com

WORLD WIDE CERTIFICATION

Quality Registrar Systems is accredited by Dubai Accreditation Department (DAC)  
for the Scope mention on Quality Registrar Systems (QRS) Accreditation Certificate No. CB-037-MS



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