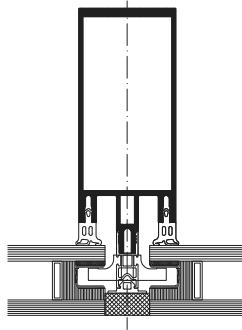


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Anwendungsbeispiele <i>Examples of application</i>	3/8
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Allgemein:

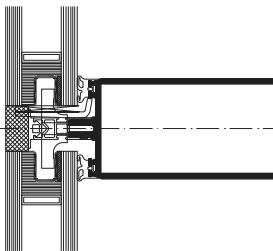
- Das System der Ganzglasfassade WICTEC 50SG ist eine gestalterische Erweiterung der Pfosten-Riegel-Fassade WICTEC 50.
- Fassaden-Grundkonstruktion WICTEC 50 in Pfosten-Riegelbauweise aus Aluminiumprofilen mit Wärmedämmleisten.
- Vorgerichtet für Verglasung von außen auf innere EPDM-Dichtungen und Wetterversiegelung von außen.



Gestaltungsmöglichkeiten:

Rationelle Herstellung von

- Ebenen und 90° abgewinkelten Vorhangsfassaden
- Geneigten Glasdachkonstruktionen, Dachneigung $\geq 10^\circ$
- Semi-Fassaden, horizontal oder vertikal



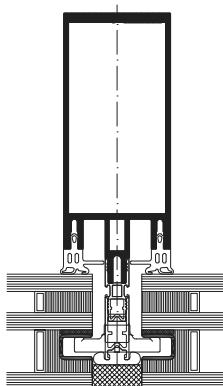
Ganzglasfassade:

Profilprogramm

- Pfosten- bzw. Riegelprofile

Profiltechnik:

- Ganzglasfassade mit Wetterversiegelung: 23 mm
- Pfosten- und Riegelprofile aus dem Standardprogramm WICTEC 50
- Ansichtsbreite: 50 mm innen
- Schraubenabstand der Halter zwischen 300 mm und 500 mm



Semifassade:

Profilprogramm

- Pfosten- bzw. Riegelprofile, 90° Eckpfostenprofile
- Abdeckprofile wahlweise in Aluminium oder in Edelstahl, rostfrei

Profiltechnik:

- 10 mm bis 30 mm Andruckprofile bzw. Abdeckprofile und höhere Sonderprofile
- Pfosten- und Riegelprofile aus dem Standard-Programm WICTEC 50

General:

- The system of WICTEC 50SG structural glazing is a creative extension of the WICTEC 50 stick construction.
- Façade basic construction is the WICTEC 50 in stick installation method with aluminium profiles and thermal break strips. Glazing from outside on inner EPDM gaskets. Weather proofing with sealant from outside.

Design possibilities:

Economical fabrication of

- Plane and 90° angled curtain walls
- Inclined glass roof constructions, roof pitch $\geq 10^\circ$
- Semi-facades, horizontal or vertical

Structural glazing:

Profile Programme

- Mullion and transom profiles

Profile technique:

- Structural glazing with weather proofing: 23 mm sealant
- Mullion and transom profiles of the WICTEC 50 standard programme
- Inner sight lines: 50 mm
- Screw distance of glass holder between 300 mm and 500 mm

Semi-facade:

Profile Programme

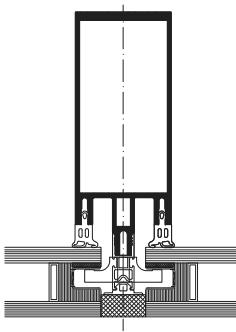
- Mullion, transom and 90° corner mullion profiles
- Cover profiles made either of aluminium or stainless steel

Profile technique:

- Pressure / cover profiles of 10 mm up to 30 mm depth and deeper special profiles
- Mullion and transom profiles of the WICTEC 50 standard programme

Einsatzelemente:

Spezielle Fensterelemente mit Einspannblendrahmen, für Parallelausstellflügel und Senkklapfenster in SG Ausführung.



Füllungsdicken:

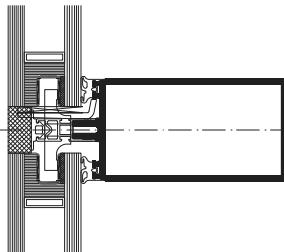
- 32 - 64 mm

Oberflächenbehandlung der Profile:

- Elokalverfahren
- Pulver- u. Nasslackierungen

Wärmeschutz:

- U/f - Wert ≥ 1.2 nach
 - EN 12412-2
 - DIN EN ISO 10077-2
- HI - Hinterlegeprofil, Wärmedämmleisten und Füllungen ab 32 mm, sowie innere Verglasungsdichtungen mit Fahne für erhöhte Anforderungen an die Wärmedämmung.



Schallschutz

- nach EN ISO 717-1

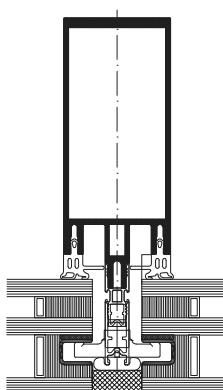
System-Nachweis:

Zulassung: ETA-12/0551
Luftdurchlässigkeit, Schlagregendichtheit und Verhalten bei Windbelastung, geprüft an großflächigem Fassadenelement, entsprechend den Prüf- und Einstufungsgrundlagen der EN 13830.

Weiteren Serien-Merkmale und Verarbeitungsrichtlinien, entsprechend der Standard Serie WICTEC 50.

Sicherheit:

Je nach nationalen Anforderungen benötigen die Außenscheiben eine mechanische Sicherung.



Integration units:

Special window units with clamping frame for parallel outward opening sash and top-hung sash with friction stays in SG design.

Infill thicknesses:

- 32 - 64 mm

Surface treatment of profiles:

- Anodic treatments
- Powder - and wet coatings

Thermal insulation:

- U/f - Value ≥ 1.2 acc. to
 - EN 12412-2
 - EN ISO 10077-2
- High insulation backlining profile, thermal break strips and infill thickn. from 32 mm onwards as well as inner glazing gaskets with lug for higher requirements on thermal insulation.

Sound insulation

- acc. to EN ISO 717-1

Evidence of system:

Approval: ETA-12/0551
Air permeability, tightness against driving rain force and reaction to wind load tested on large surface façade unit in accordance with the testing and classification fundamentals of EN 13830.

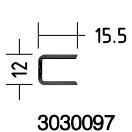
Further specific series characteristics and processing guidelines corresponding to the standard WICTEC 50 series.

Safety:

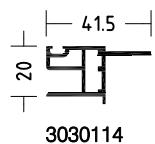
The outer glass panes need a mechanical safeguard depending on the national requirements.

Blendrahmenprofile

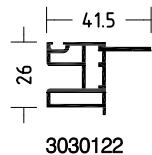
Frame profiles



3030097

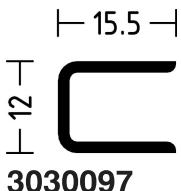


3030114



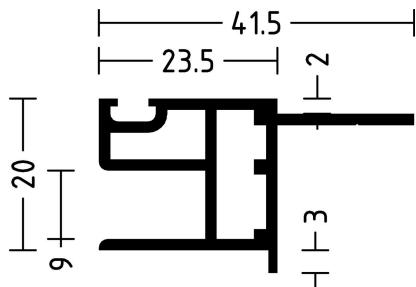
3030122

	m	mm	mm							
<input checked="" type="checkbox"/> 3030097	6,5	79	0	-	-	-	-	-	-	-
<input checked="" type="checkbox"/>				-	-	-	-	-	-	-
3030114	6,5	163	0	-	-	-	-	5010582	-	5040353 5030073
				4050481	2x4070009	-	-	5010582	5040355	5040353 5030073
3030122	6,5	175	0	-	-	-	-	5010582	-	5040353 5030074
				4050481	2x4070009	-	-	5010582	5040355	5040353 5030074



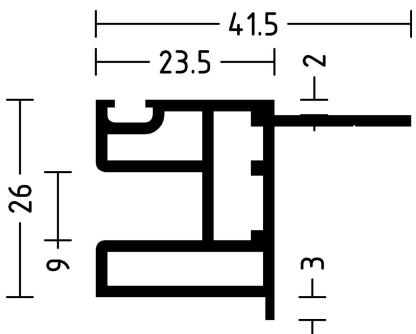
3030097

Nur in eloxierter Ausführung lieferbar.
Deliverable only in anodized finish.



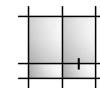
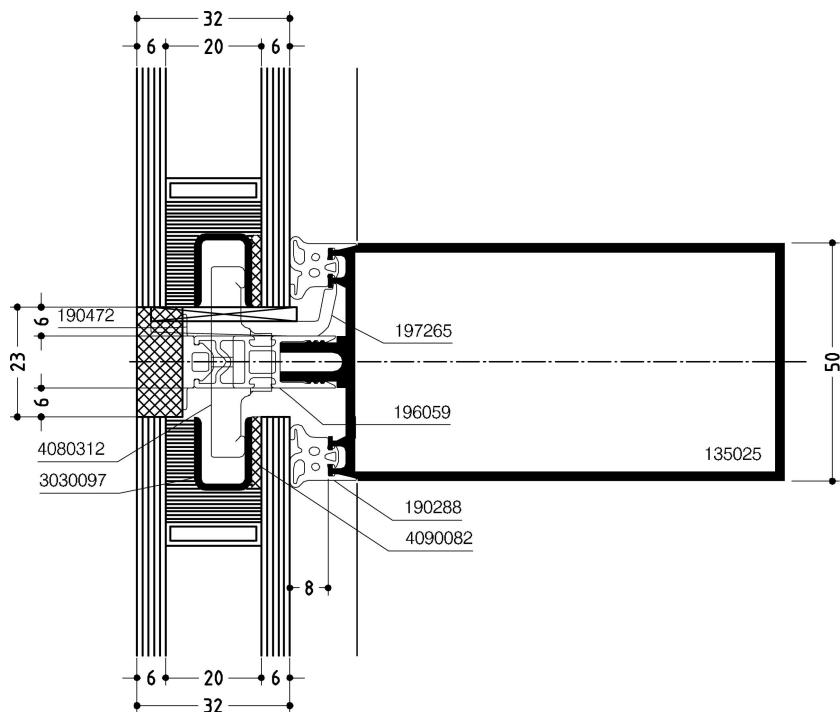
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Nur in eloxierter Ausführung lieferbar.
Deliverable only in anodized finish.



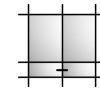
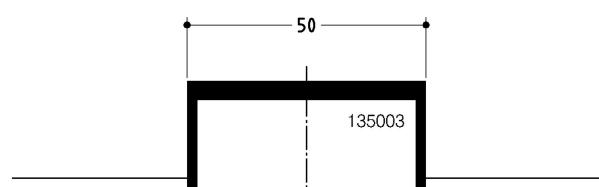
3030122

Nur in eloxierter Ausführung lieferbar.
Deliverable only in anodized finish



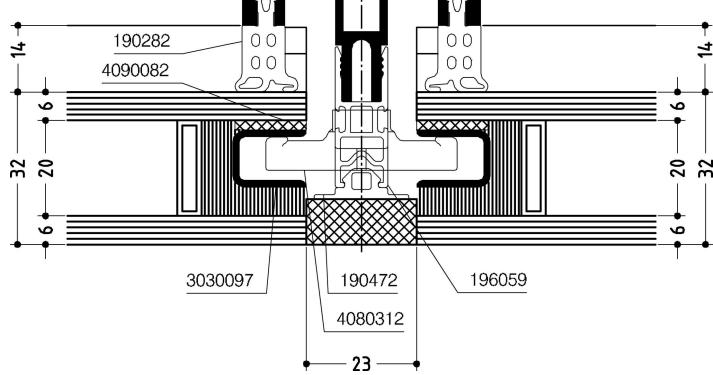
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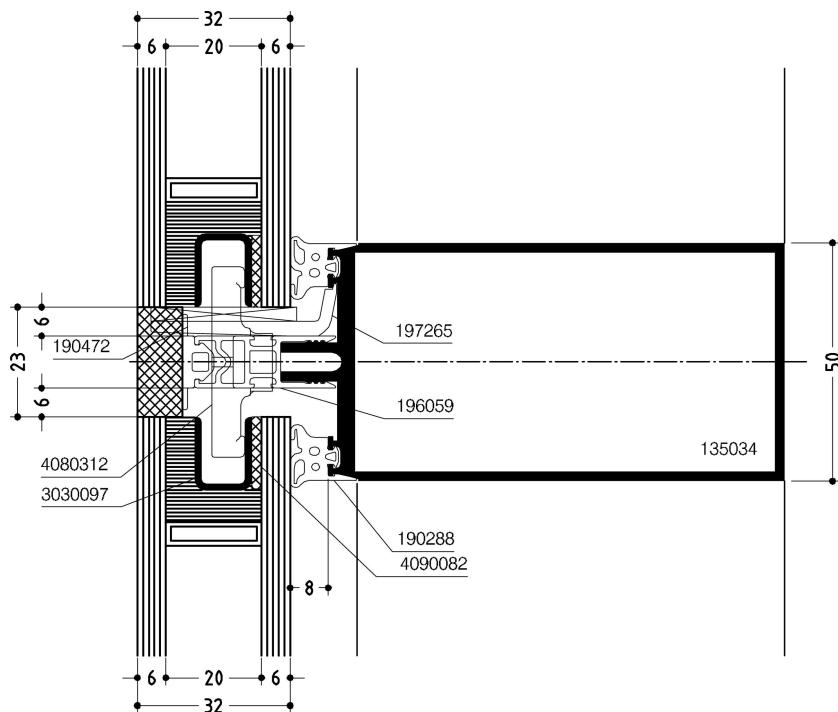
Festverglasung
Fixed glazing



DOC-0000754035

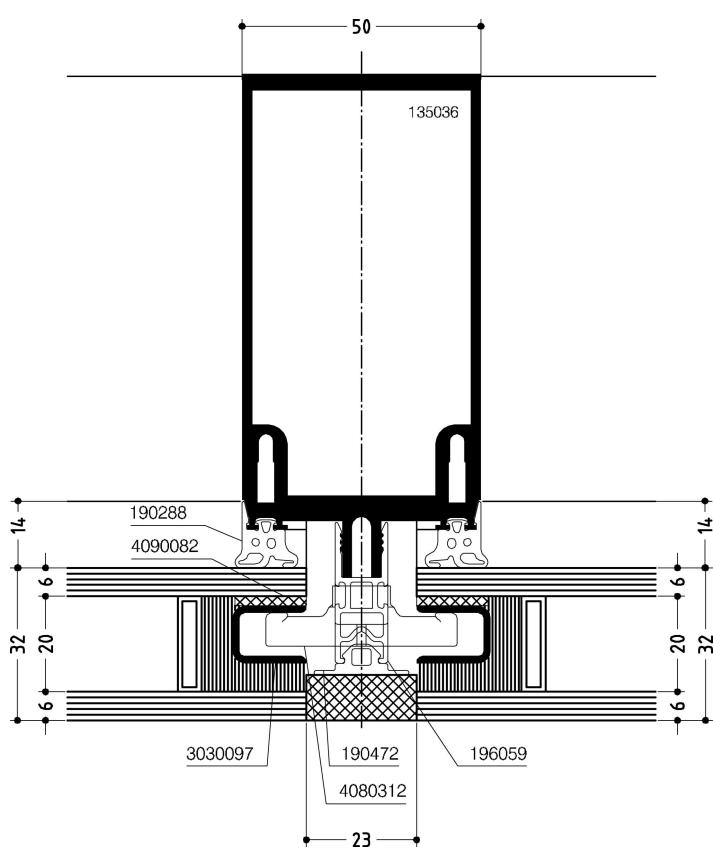
Festverglasung
Fixed glazing





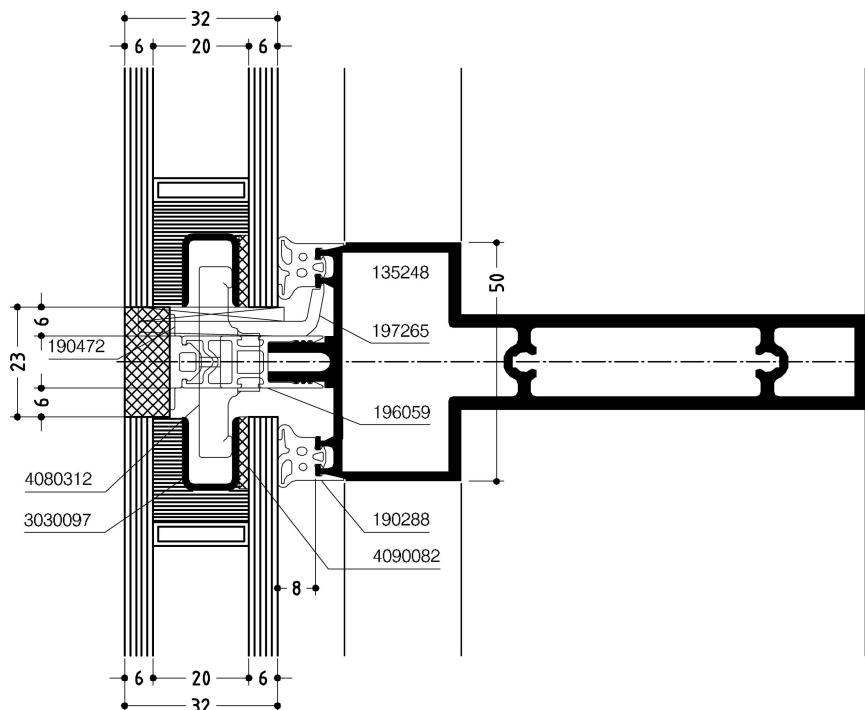
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Festverglasung
Fixed glazing



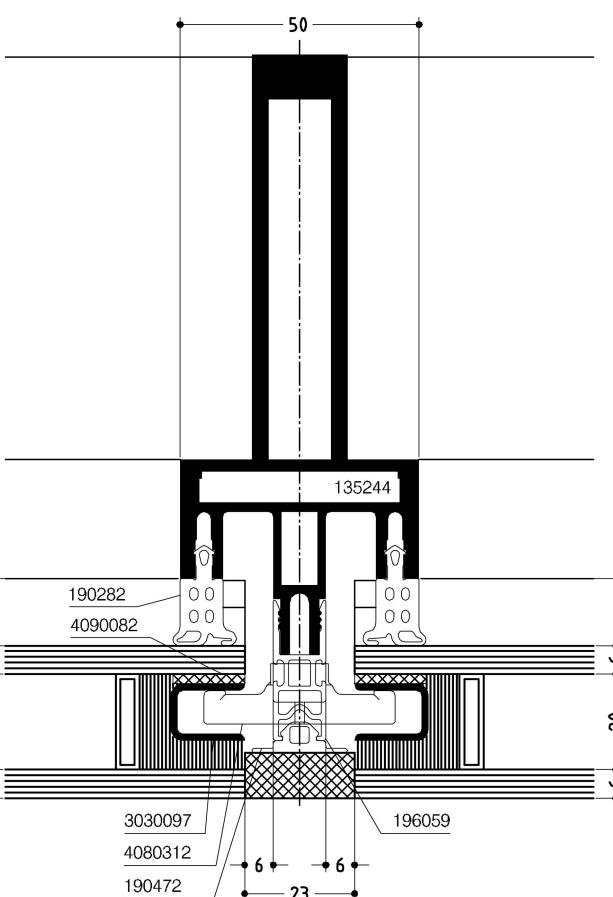
DOC-0000756471

Festverglasung
Fixed glazing



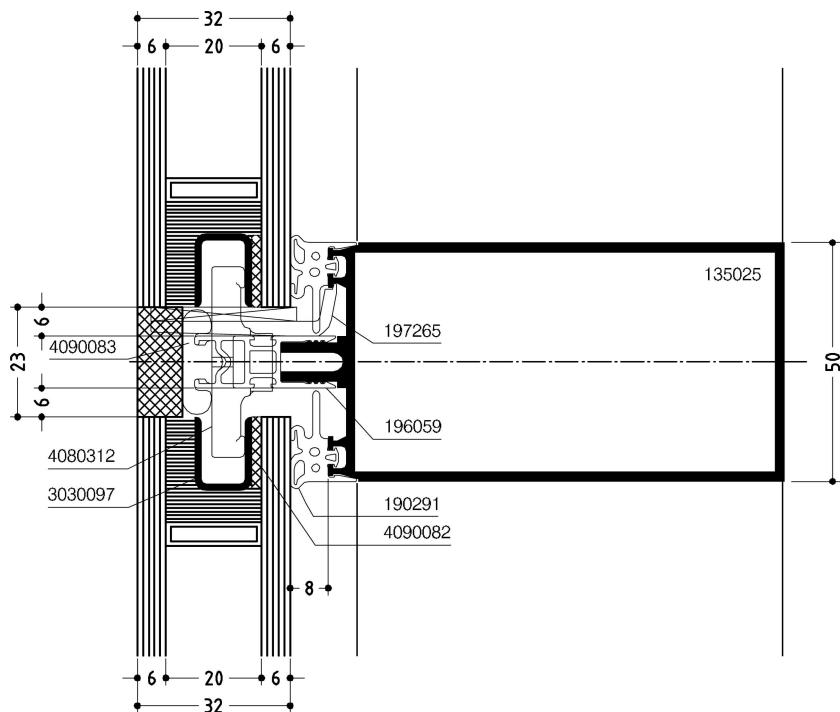
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Festverglasung
 Industriedesign
*Fixed glazing
 industrial design*



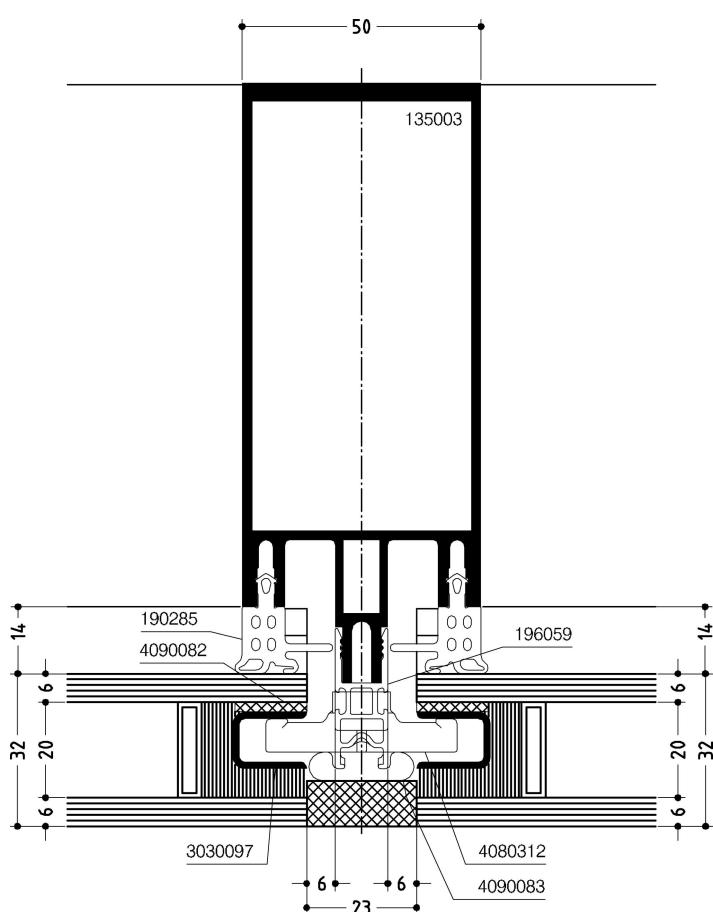
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Festverglasung
 Industriedesign
*Industrial design,
 fixed glazing*



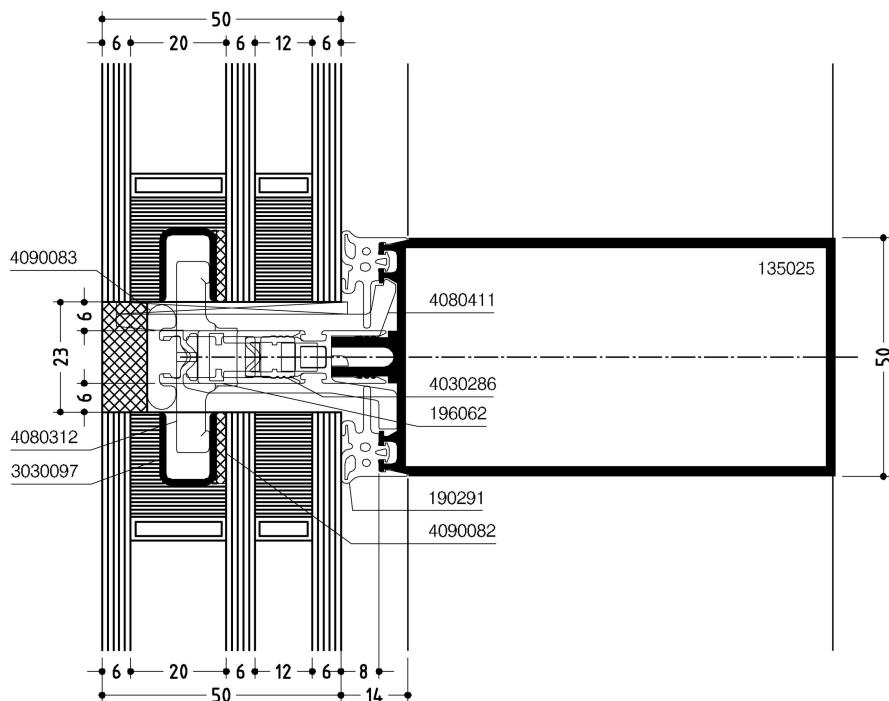
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Höhere
Wärmedämmung
Higher insulation



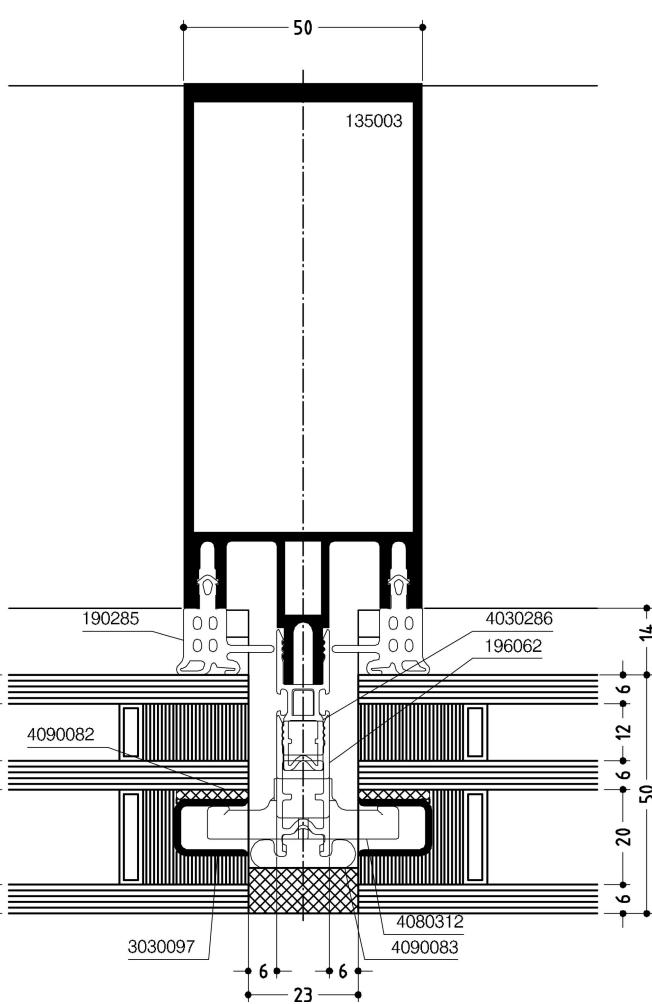
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Höhere
Wärmedämmung
*Higher thermal
insulation*



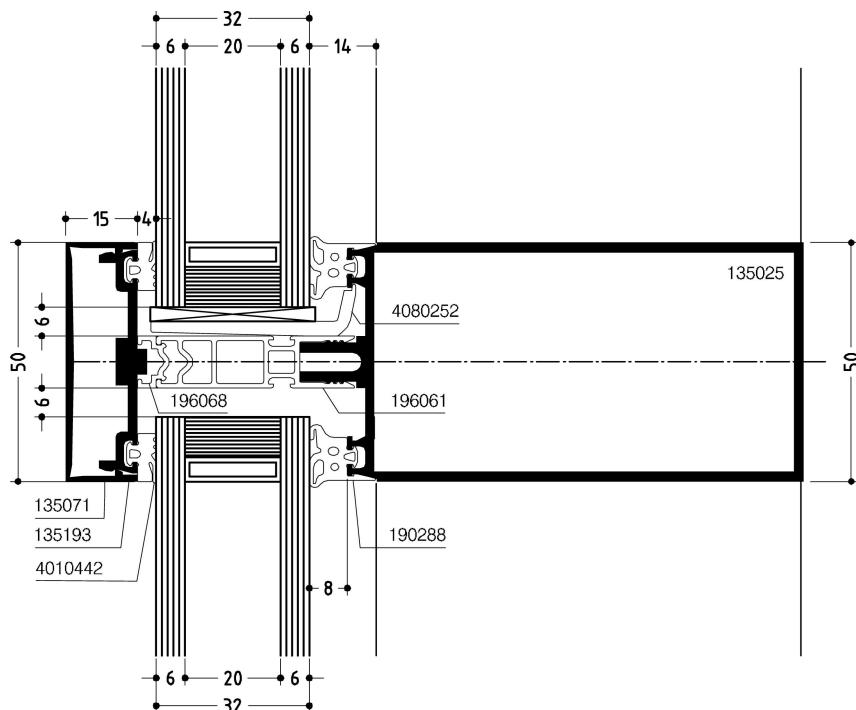
DOC-0000813539

Höhere
 Wärmedämmung
*Higher thermal
 insulation*



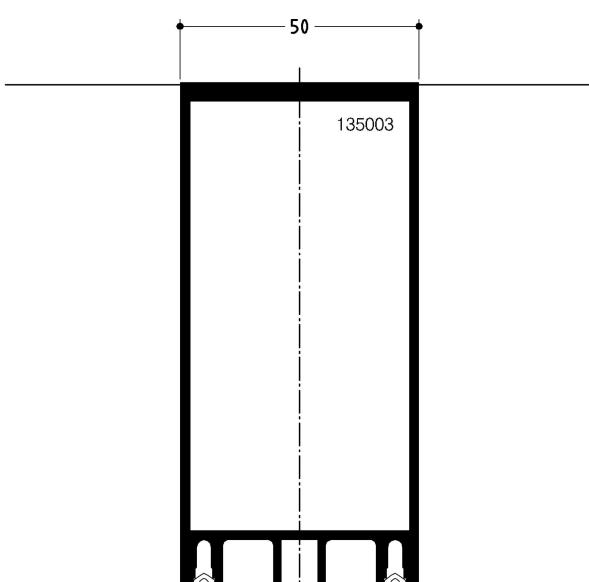
DOC-0000813572

Höhere
 Wärmedämmung
*Higher thermal
 insulation*



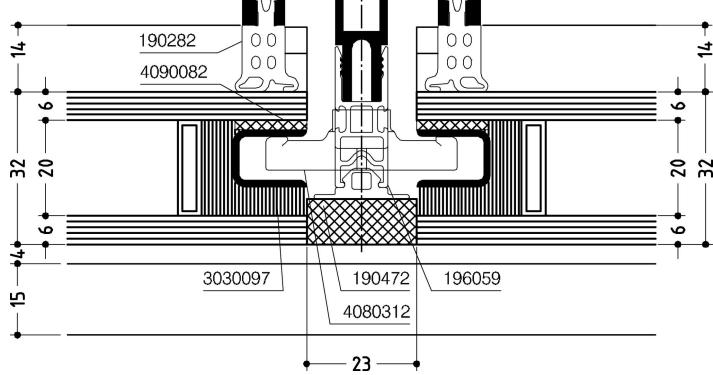
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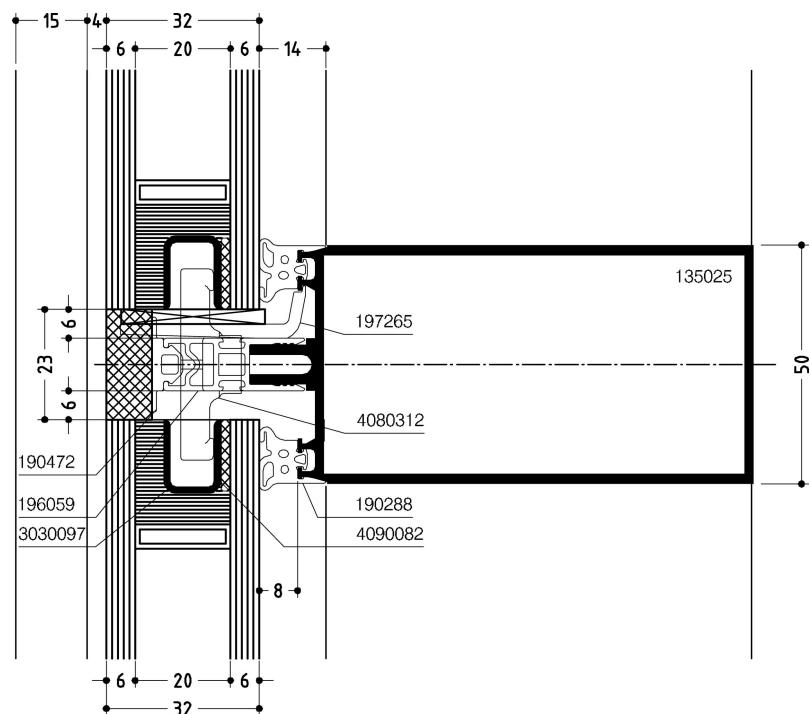
Semi-Fassade
horizontal
*Semi-Facade
horizontal*



DOC-0000757126

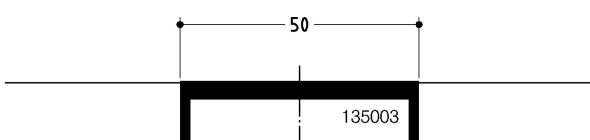
Semi-Fassade,
horizontal
*Semi-façade,
horizontal*





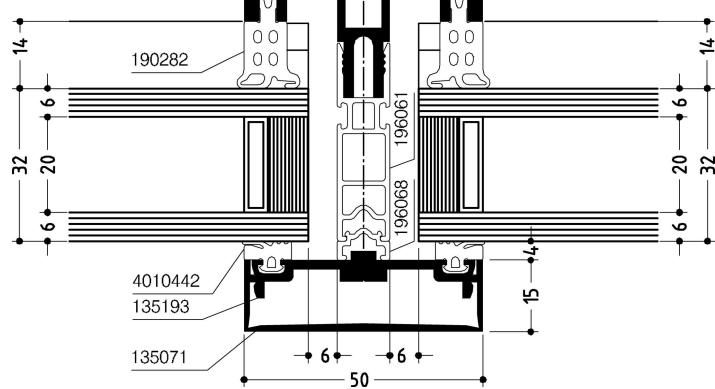
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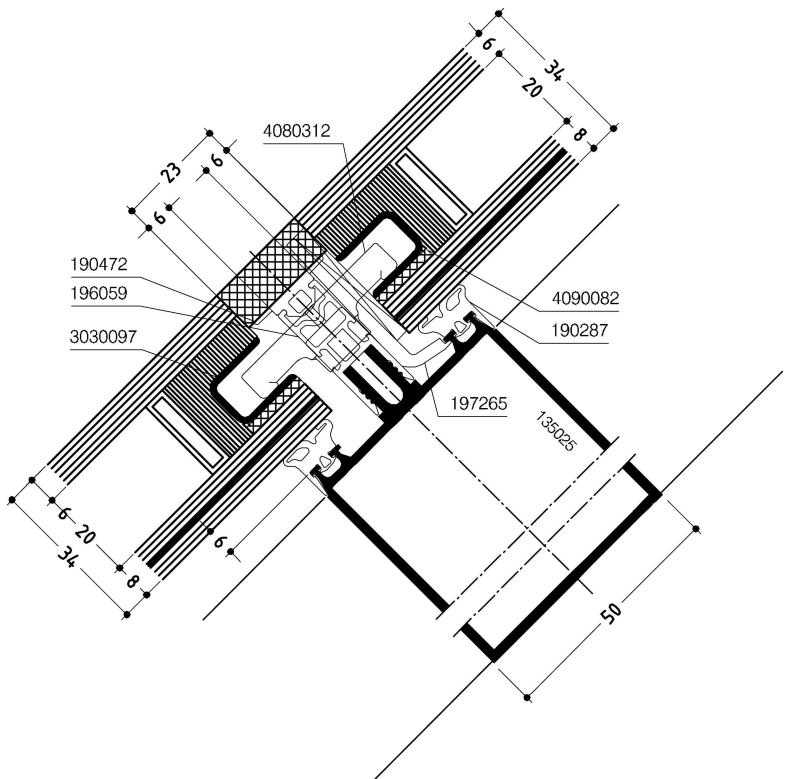
Semi-Fassade
vertikal
*Semi-Facade
vertical*



DOC-0000757162

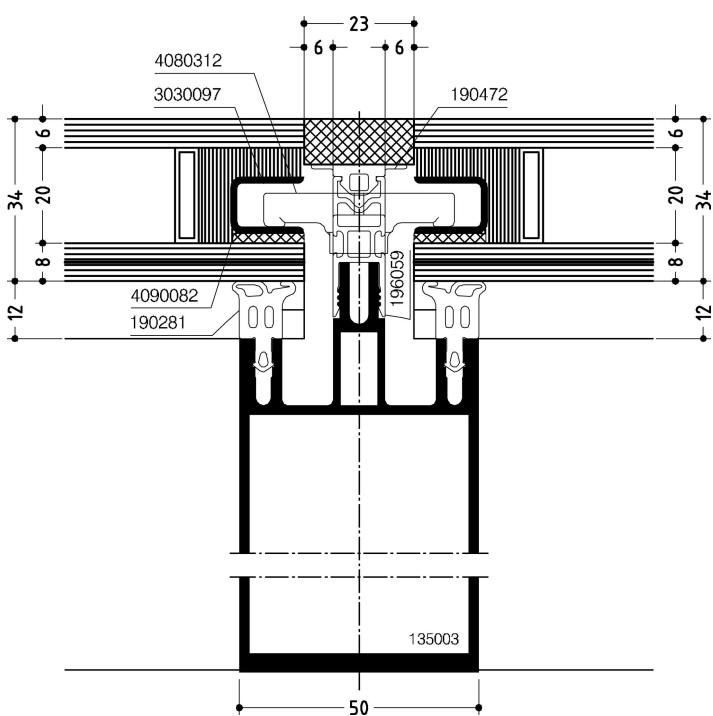
Semi-Fassade,
vertical
*Semi-façade,
vertical*





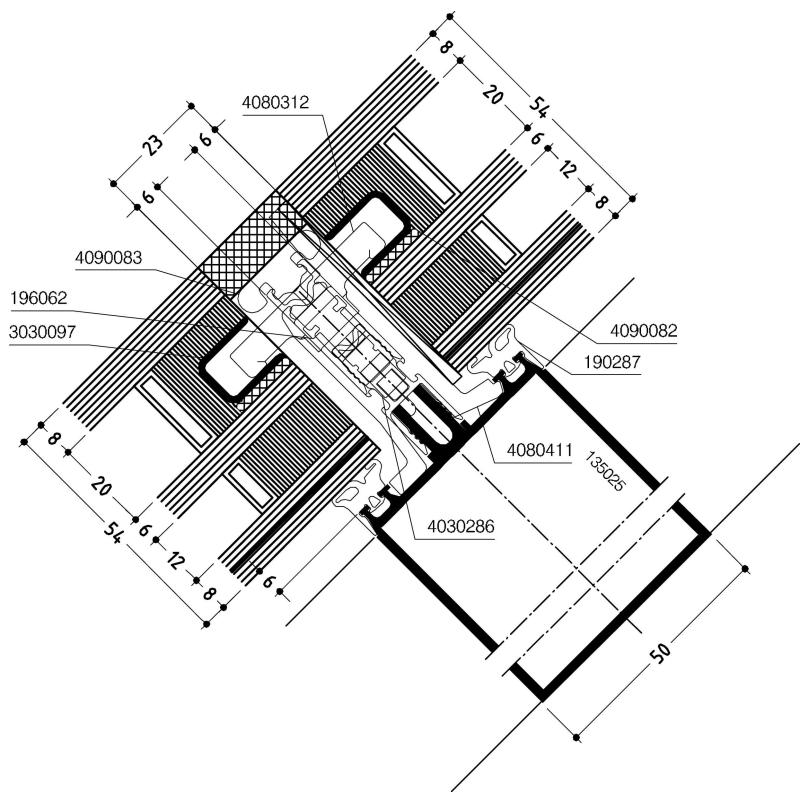
DOC-0000758229

Schnitt in der
 Dachschräge
Roof Section



DOC-0000758292

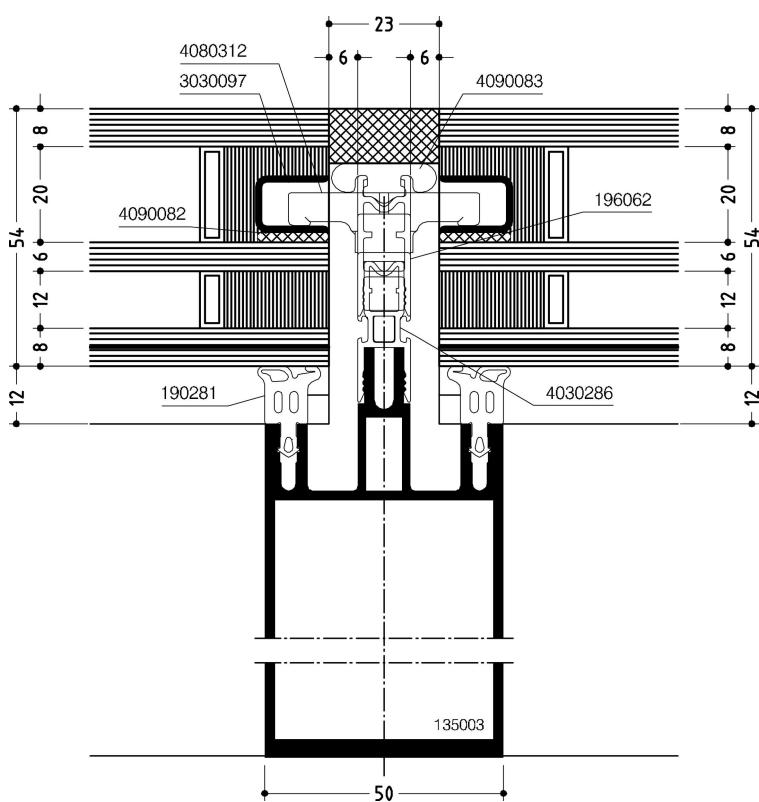
Dachschräge
Roof pitch



A 3D perspective drawing of a rectangular prism. The front face is shaded in gray, while the rest of the faces are white. The prism is oriented with its front face slightly towards the viewer.

DOC-0000813587

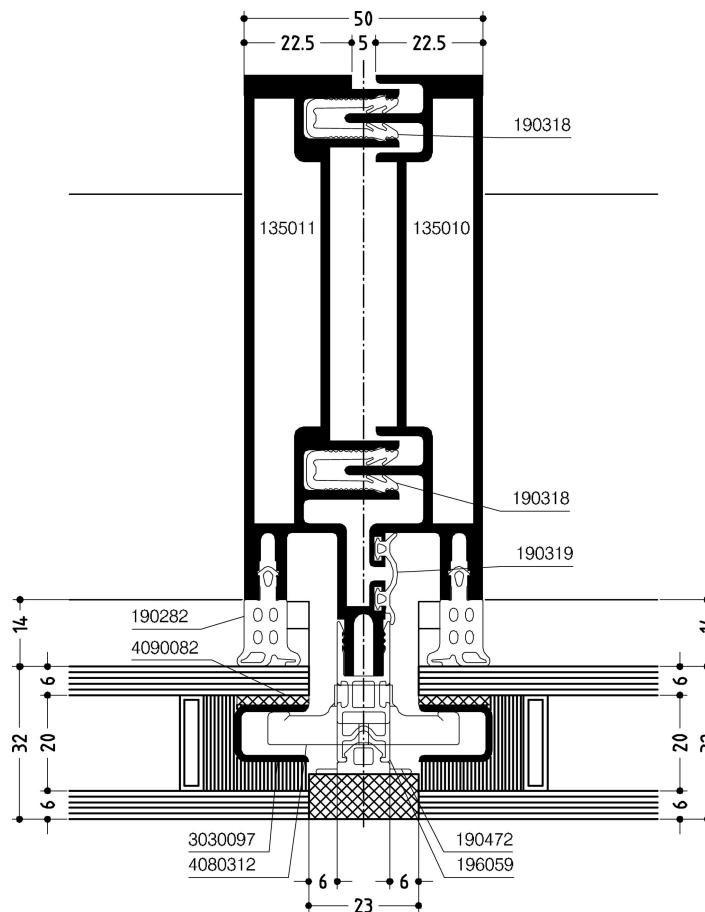
Dachschräge
Roof pitch



A 3D perspective grid diagram showing a vertical column of three squares. The top square is shaded grey. The middle square has a horizontal line through its center. The bottom square is shaded grey.

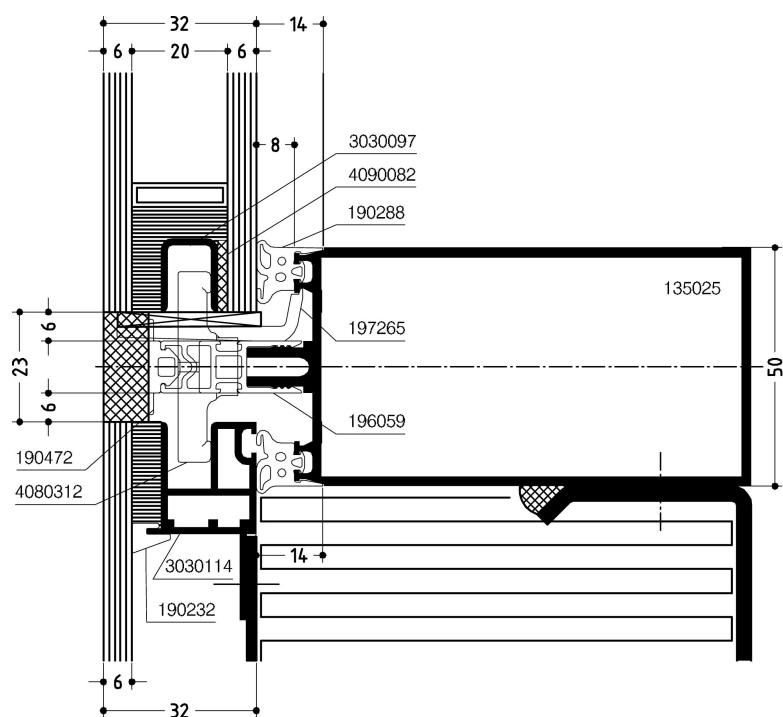
DOC-0000813608

Dachschräge
Roof pitch



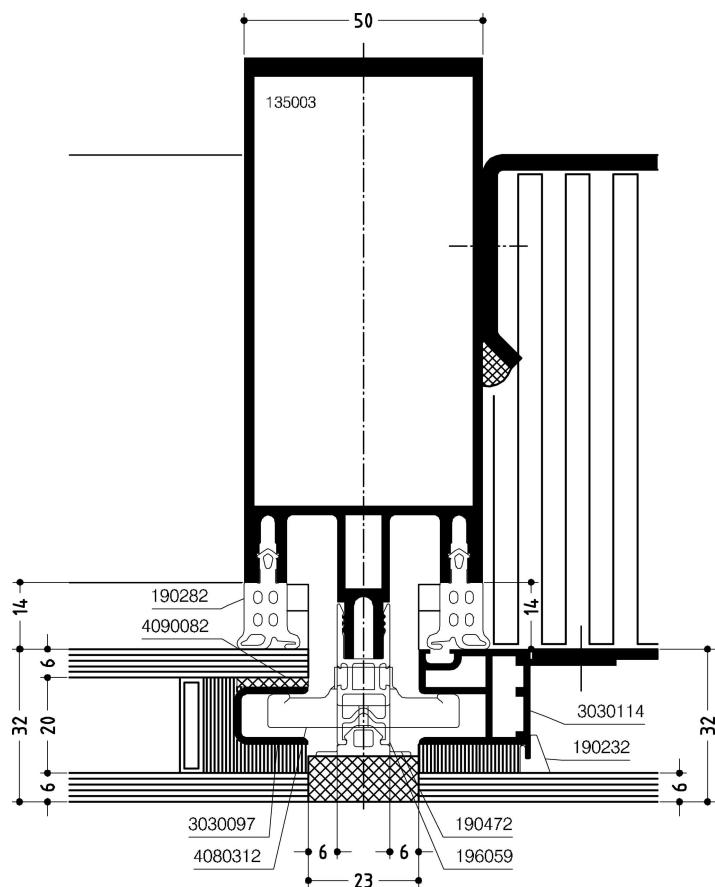
DOC-0000758315

Festverglasung,
 Dehnstoß
*Expansion joint
 split mullion, fixed
 glazing*



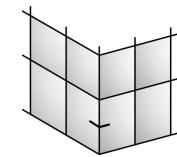
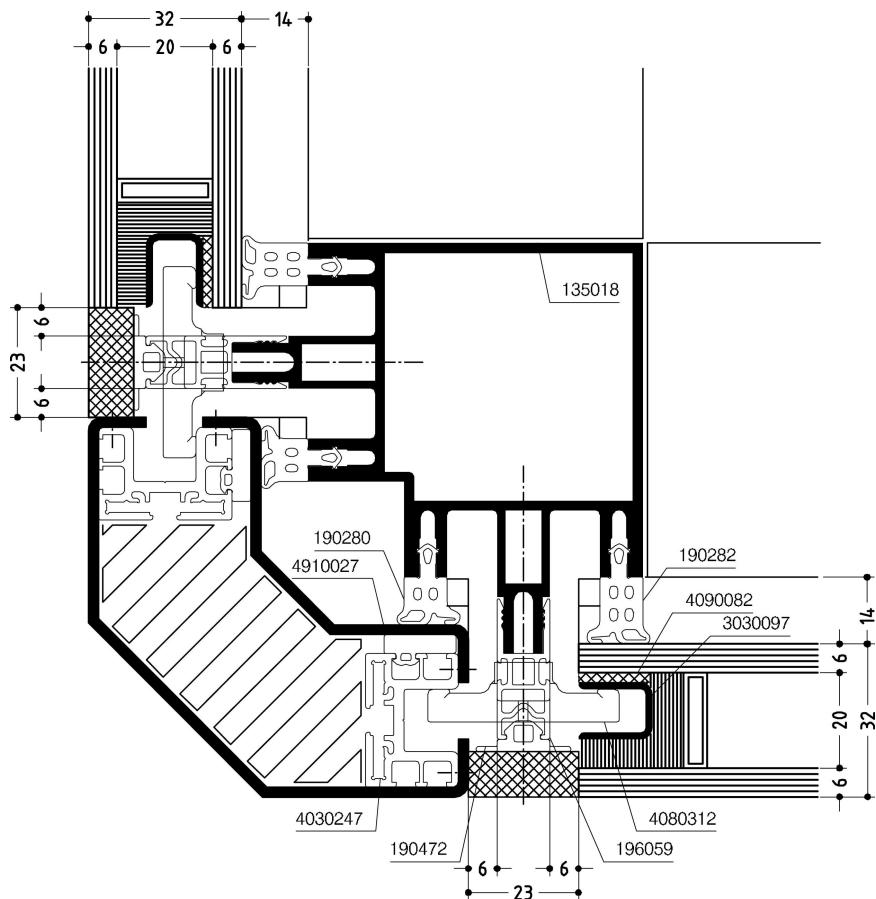
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Glaspaneel
Glas panel



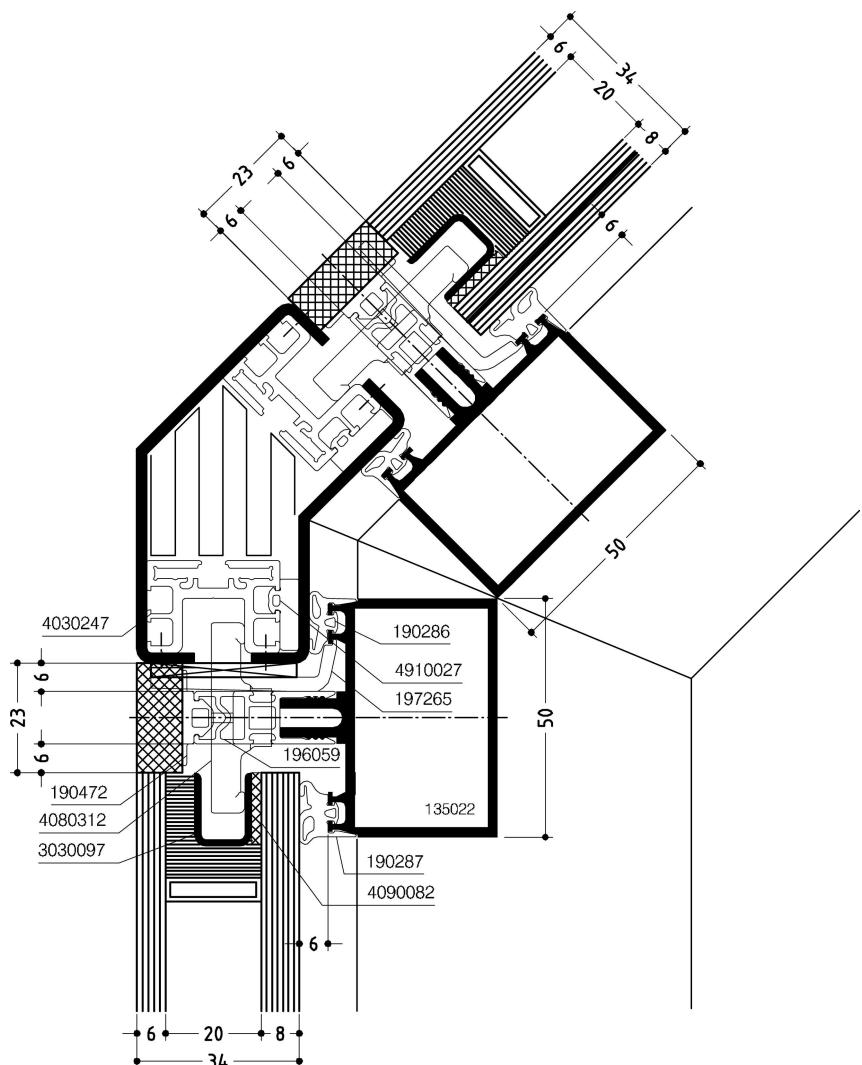
DOC-0000758324

Glaspaneel
Glas panel



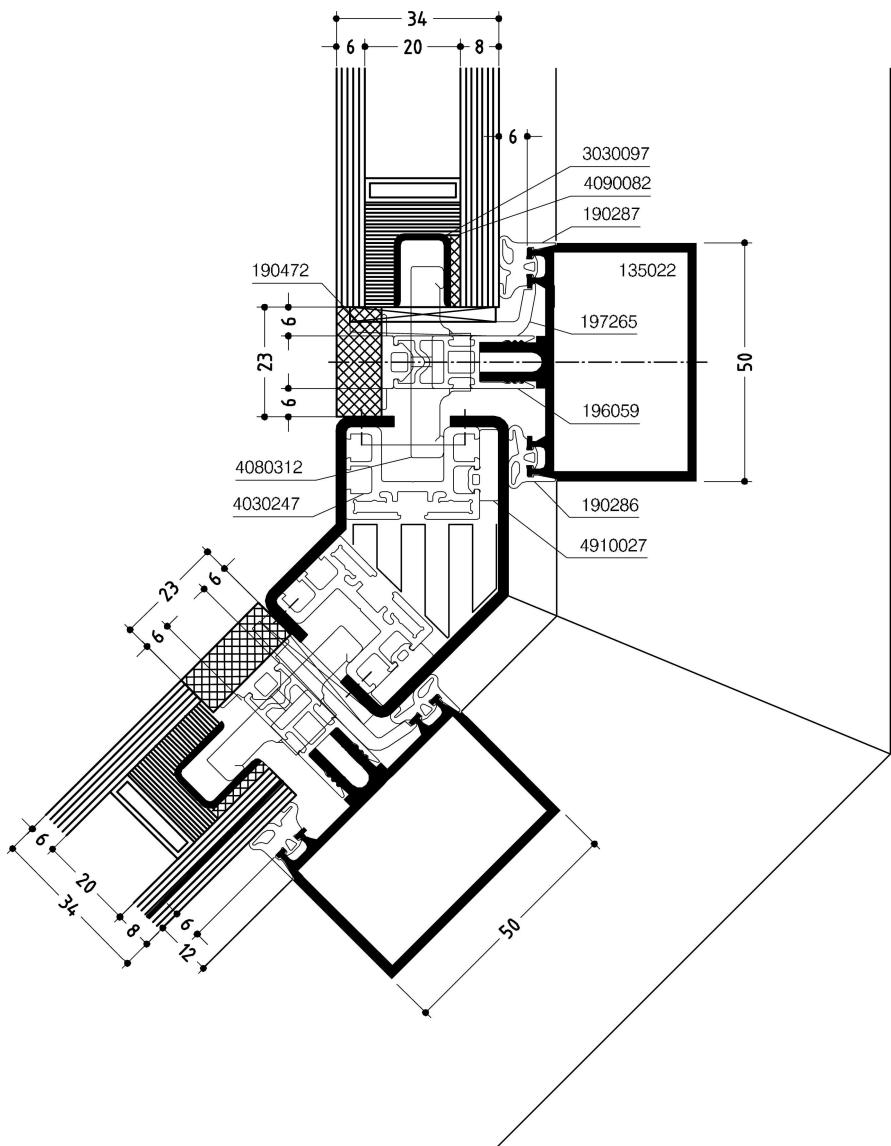
DOC-0000758338

90° Außencke
90° Outer corner



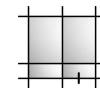
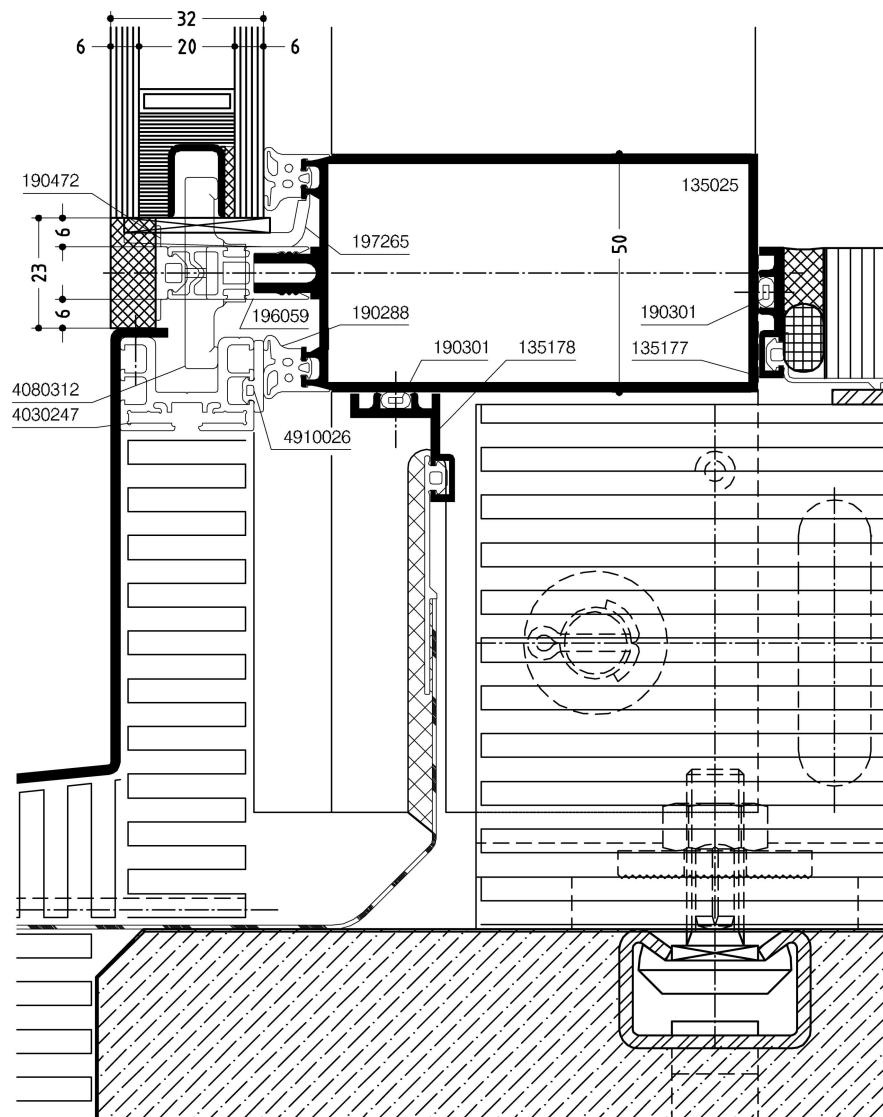
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Traufriegel *Eaves transom*



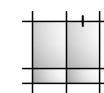
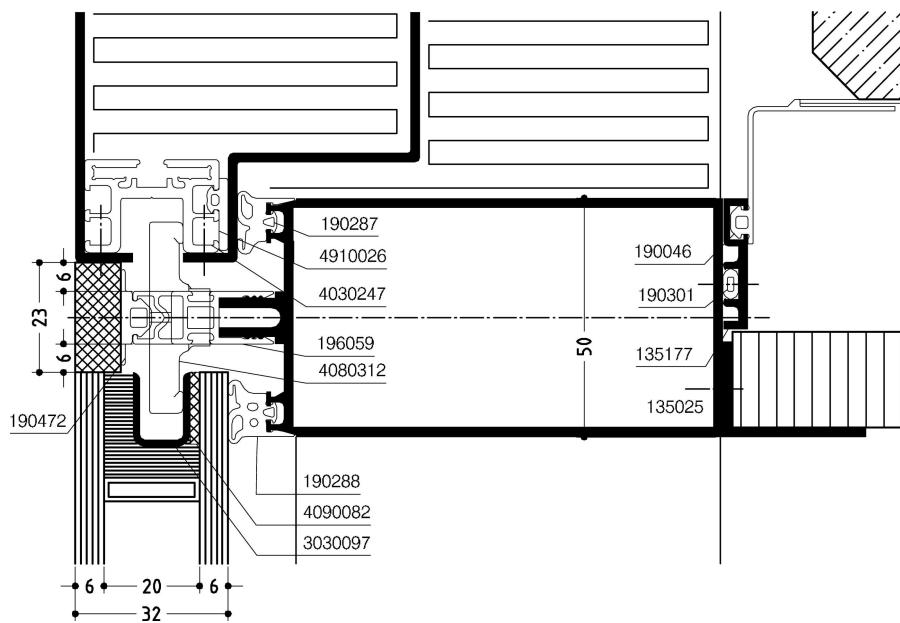
DOC-0000758498

Traufriegel
Eaves transom



DOC-0000758757

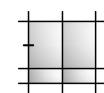
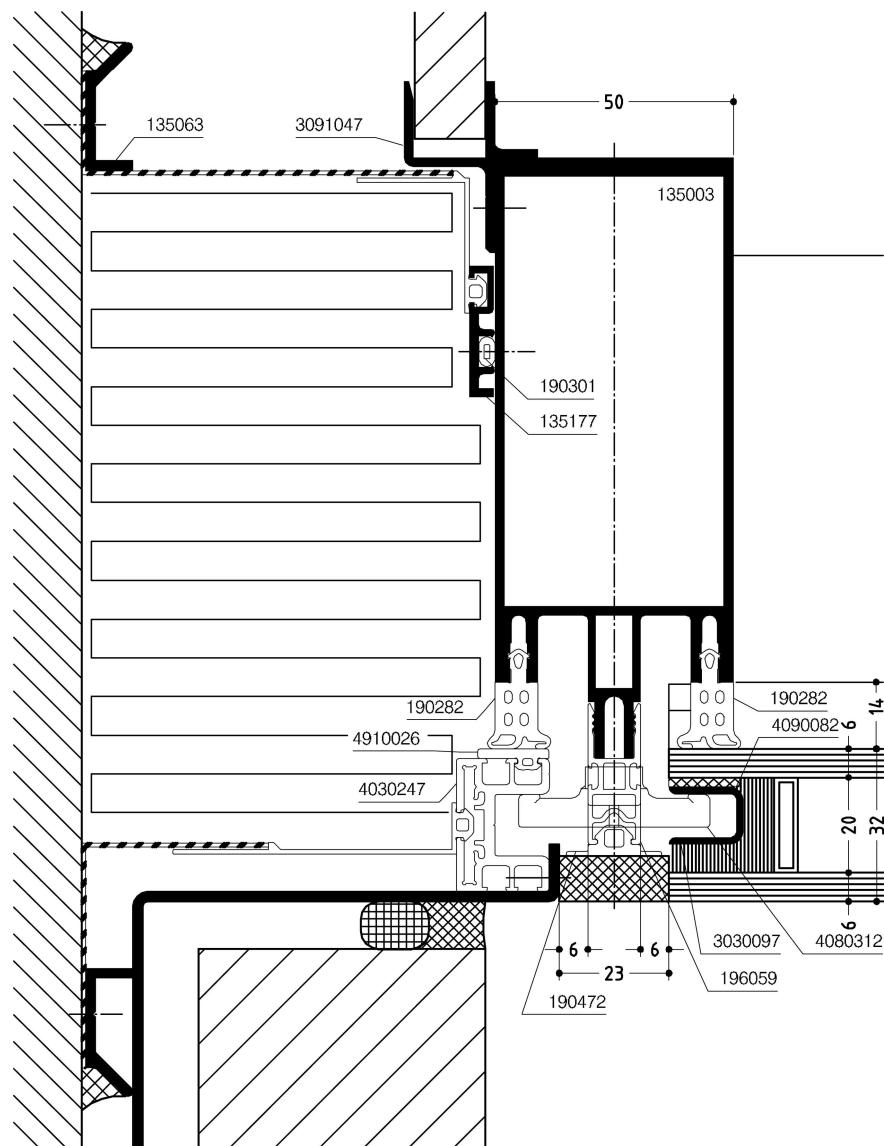
Bauanschluss unten
Bottom junction to structure



DOC-0000758785

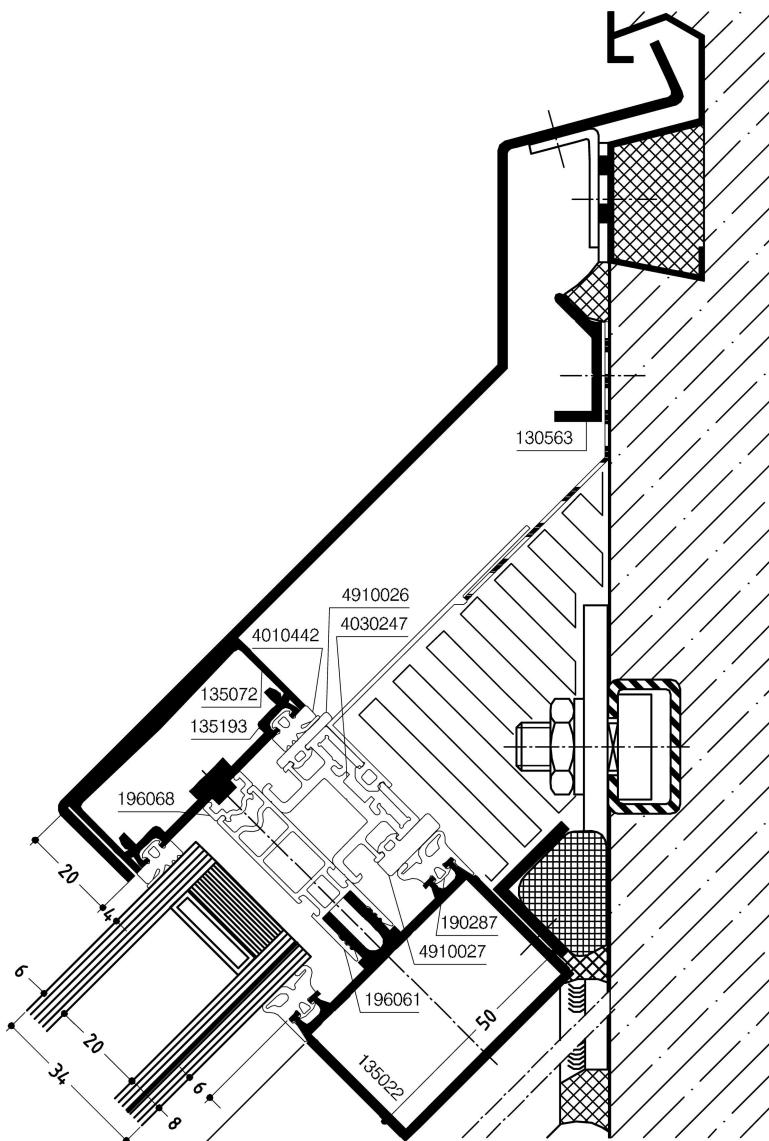
Bauanschluss
oben

*Top junction of
structure*



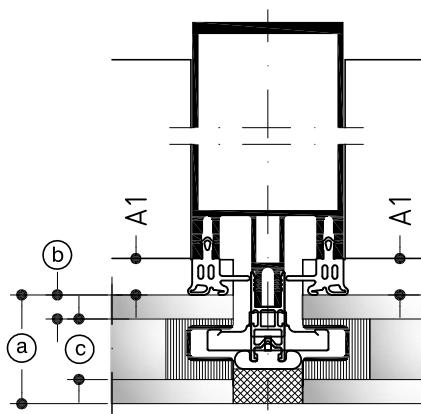
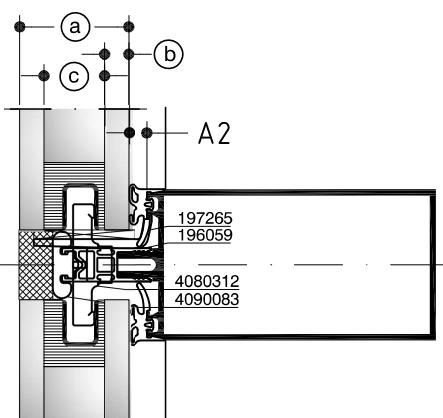
DOC-0000758814

Bauanschluss
seitlich
*Lateral junction to
structure*



DOC-0000759988

Bauanschluss
oben Dachschräge
*Top junction to
structure roof pitch*



Alternativ, bei geringeren Anforderungen an die Wärmedämmung.
Alternative, for lower requirements on thermal insulation.

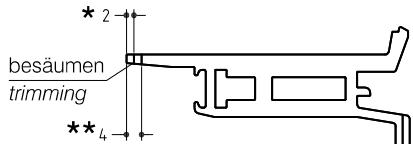
Alternative, for lower requirements on thermal insulation.

	190282 (14) 190281 (12) 190280 (10)		190288 (8) 190287 (6) 190286 (4)
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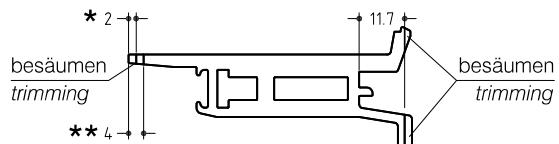
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(a)		(b)		(c)							
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34	8				4080253	190284 (12)	190290 (6)				
36	10					190283 (10)	190289 (4)				
34	6				4080251	190285 (14)	190291 (8)				
36	8				4080254	190284 (12)	190290 (6)				
38	10					190283 (10)	190289 (4)				
36	6				4080252	190285 (14)	190291 (8)				
38	8				4080255	190284 (12)	190290 (6)				
40	10					190283 (10)	190289 (4)				
38	6 (12)				4080409 **	190285 (14)	190291 (8)				
40	8 (14)				196069	190284 (12)	190290 (6)				
42	10 (16)					190283 (10)	190289 (4)				
40	6 (12)				4080409 *	190285 (14)	190291 (8)				
42	8 (14)				196069	190284 (12)	190290 (6)				
44	10 (16)					190283 (10)	190289 (4)				
42	6 (12)				4080409	190285 (14)	190291 (8)				
44	8 (14)				196069	190284 (12)	190290 (6)				
46	10 (16)					190283 (10)	190289 (4)				
44	6 (12)				4080410 **	190285 (14)	190291 (8)				
46	8 (14)				196069	190284 (12)	190290 (6)				
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56	10 (16)					190283 (10)	190289 (4)				
54	6 (12)				4080411	190285 (14)	190291 (8)				
56	8 (14)				196069	190284 (12)	190290 (6)				
58	10 (16)					190283 (10)	190289 (4)				

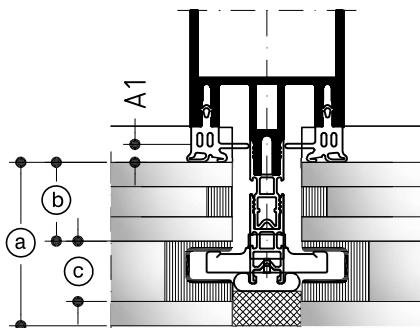
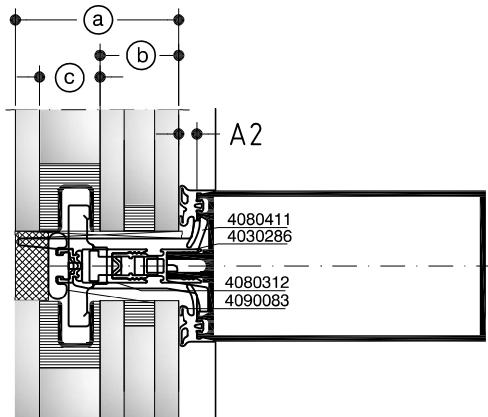
() Bauhöhe / construction height

Bearbeitung bei Riegelprofilen E2
Adaptation for transom profiles E2



Bearbeitung bei Riegelprofilen E3
Adaptation for transom profiles E3





Alternativ, bei geringeren Anforderungen an die Wärmedämmung.

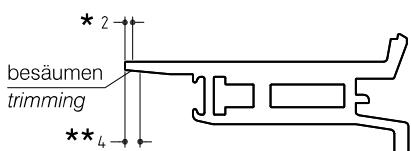
Alternative, for lower requirements on thermal insulation.

190472	190282 (14) 190281 (12) 190280 (10)	190288 (8) 190287 (6) 190286 (4)

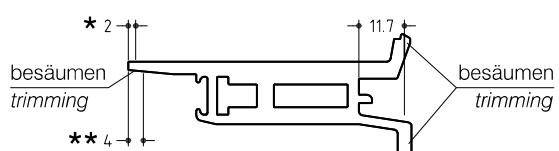
									ST5.5 T25		
50	24		4080411** 196069	4080414** 196069	4090083	190285 (14) 190284 (12) 190283 (10)	190291 (8) 190290 (6) 190289 (4)	4080312	4070516	4030286	196059
52	26	≥ 20									
54	28										
52	24		4080411* 196069	4080414* 196069	4090083	190285 (14) 190284 (12) 190283 (10)	190291 (8) 190290 (6) 190289 (4)	4080312	4070516	4030286	196059
54	26	≥ 20									
56	28										
54	24		4080411 196069	4080414 196069	4090083	190285 (14) 190284 (12) 190283 (10)	190291 (8) 190290 (6) 190289 (4)	4080312	4070516	4030286	196059
56	26	≥ 20									
58	28										
56	24 (30)		4080412** 196069	4080415** 196069	4090083	190285 (14) 190284 (12) 190283 (10)	190291 (8) 190290 (6) 190289 (4)	4080312	4070516 [4080373]	4030286	196060
58	26 (32)	≥ 20									
60	28 (34)										
58	24 (30)		4080412* 196069	4080415* 196069	4090083	190285 (14) 190284 (12) 190283 (10)	190291 (8) 190290 (6) 190289 (4)	4080312	4070516 [4080373]	4030286	196060
60	26 (32)	≥ 20									
62	28 (34)										
60	24 (30)		4080412 196069	4080415 196069	4090083	190285 (14) 190284 (12) 190283 (10)	190291 (8) 190290 (6) 190289 (4)	4080312	4070516 [4080373]	4030286	196060
62	26 (32)	≥ 20									
64	28 (34)										

() Bauhöhe / construction height

Bearbeitung bei Riegelprofilen E2
Adaptation for transom profiles L2



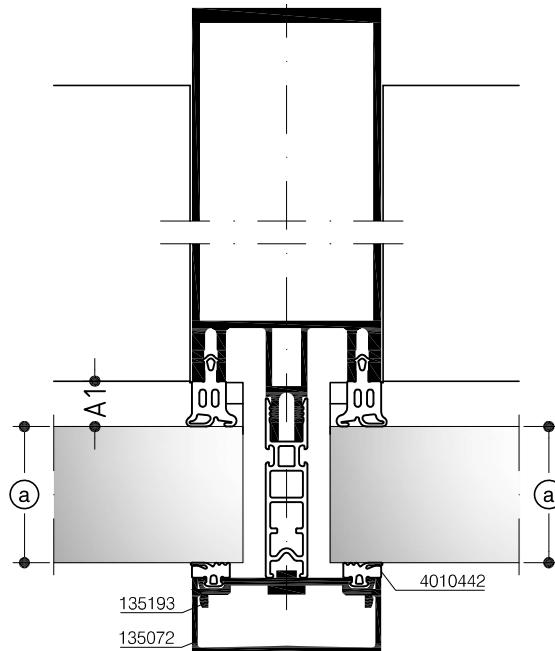
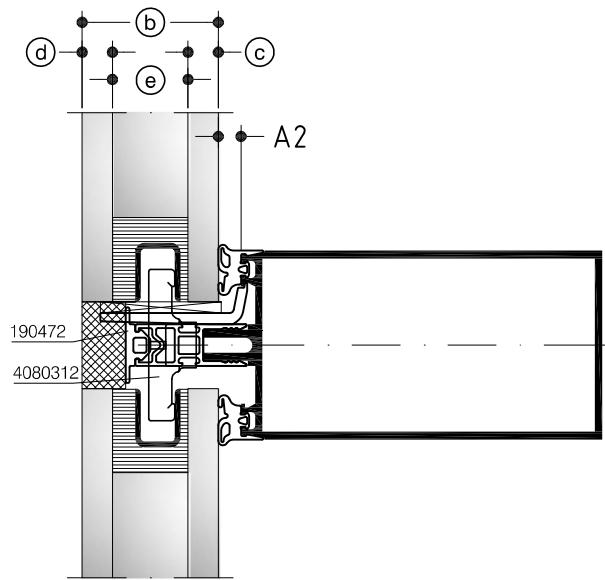
Bearbeitung bei Riegelprofilen E3
Adaptation for transom profiles L3



WICTEC 50SG

Semi-Fassade vertikal
Semi façade vertical

Auswahltabellen
Selection tables



								A1	A2
32		6		32		197265	4080253	190282 (14)	190288 (8)
34	6	8	20	34	196059 (18)		190472	190281 (12)	190287 (6)
36		10		36				190280 (10)	190286 (4)
34		6		34		4080251	4080254	190282 (14)	190288 (8)
36	8	8	20	36	196059 (18)		190472	190281 (12)	190287 (6)
38		10		38				190280 (10)	190286 (4)
36		6		36		4080252	4080255	190282 (14)	190288 (8)
38	10	8	20	38	196059 (18)		190472	190281 (12)	190287 (6)
40		10		40				190280 (10)	190286 (4)

() Bauhöhe / construction height



Entwässerungsteile siehe
Verarbeitungsrichtlinie WICTEC 50SG
Drainage parts refer to
Workshop Manual WICTEC 50SG

Normenhinweis:
Geklebte Verglasung; Abtragung des Eigengewichts DIN EN 13022-1
Glas im Bauwesen; Verglasungsklötzte DIN EN ISO 14439.

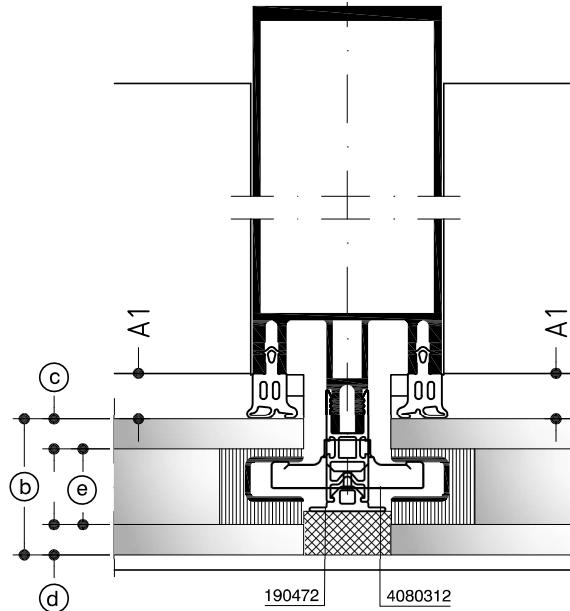
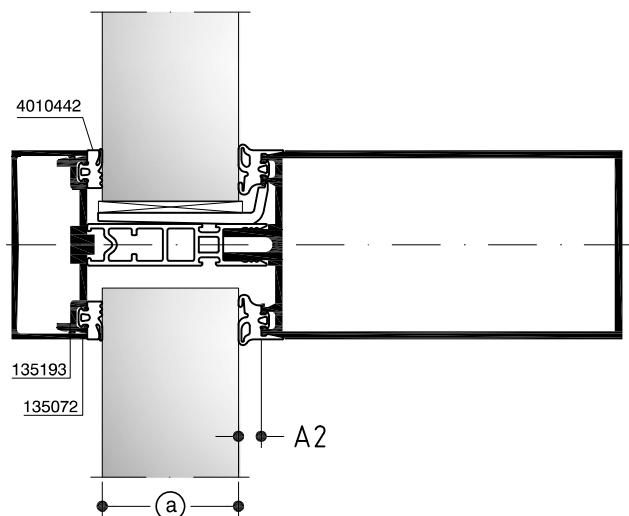
Standards note:
Structural sealant glazing; supported glazing DIN EN 13022-1
Glass in building; glazing wedges DIN EN ISO 14439.

ST5.5 T25		
4070512 (51)	196068 (4)	196061 (30)
4070094 (53)	---	196062 (36)
4070249 (55)	196066 (2)	196062 (36)

WICTEC 50SG

Semi-Fassade horizontal
Semi façade horizontal

Auswahltabellen
Selection tables



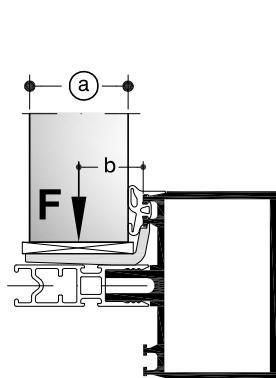
							A1	A2	ST5.5 T25
32 34 36	6	6 8 10	20	32 34 36	196059 (18)	190472	190282 (14) 190281 (12) 190280 (10)	190288 (8) 190287 (6) 190286 (4)	4070512 (51)
34 36 38	8	6 8 10	20	34 36 38	196059 (18)	190472	190282 (14) 190281 (12) 190280 (10)	190288 (8) 190287 (6) 190286 (4)	4070094 (53)
36 38 40	10	6 8 10	20	36 38 40	196059 (18)	190472	190282 (14) 190281 (12) 190280 (10)	190288 (8) 190287 (6) 190286 (4)	4070249 (55)

() Bauhöhe / construction height



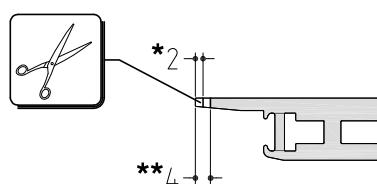
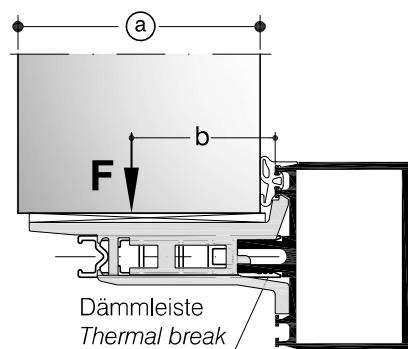
Entwässerungsteile siehe
Verarbeitungsrichtlinie WICTEC 50SG
Drainage parts refer to
Workshop Manual WICTEC 50SG

196068 (4)	196061 (30)	197266	197279 196067
---	196062 (36)	197266	197279 196069
196066 (2)	196062 (36)	197266	197279 196069 196066



Standard-Vorklötzte
Standard glazing supports

32 - 36	196059	197265 E2 E3	750	24	
34 - 38	196059	4080251 E2 E3	700	25	
36 - 40	196059	4080252 E2 E3	650	26	



Vorklötzte für größere Belastungen
Glazing supports for higher load

32 - 36	196059	4080253 E2 E3	1800	24	
34 - 38	196059	4080254 E2 E3	1800	25	
36 - 40	196059	4080255 E2 E3	1800	26	
38 - 42	196060	** 4080409 E2 E3	2800	27	
40 - 44	196060	* 4080409 E2 E3	2600	28	
42 - 46	196060	4080409 E2 E3	2400	29	
44 - 48	196061	** 4080410 E2 E3	2200	30	
46 - 50	196061	* 4080410 E2 E3	2000	31	
48 - 52	196061	4080410 E2 E3	1900	32	
50 - 54	196062	** 4080411 E2 E3	1800	33	
52 - 56	196062	* 4080411 E2 E3	1700	34	
54 - 58	196062	4080411 E2 E3	1600	35	
56 - 60	196063	** 4080412 E2 E3	1500	36	
58 - 62	196063	* 4080412 E2 E3	1400	37	
60 - 64	196063	4080412 E2 E3	1300	38	

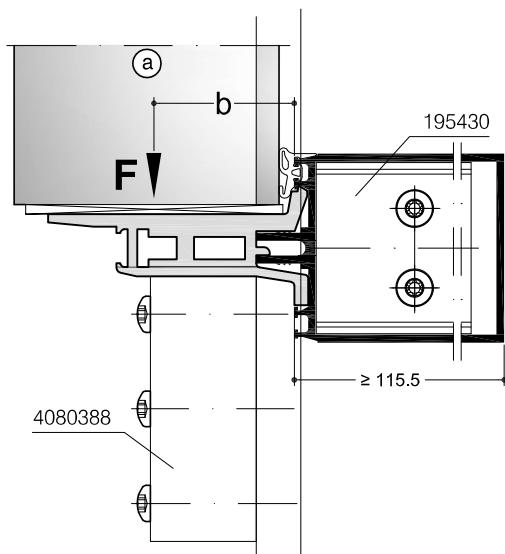


Zulässige Belastungen für Pfosten-Riegelverbindungen beachten !
Pay attention of admissible loads for transom-mullion connections !

WICTEC 50SG

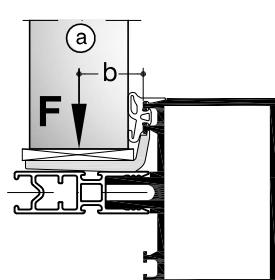
Verglasungs-Vorklöte, zulässige Belastung F und Anwendungen
Glazing supports, admissible load F and applications

Auswahltabellen
Selection tables



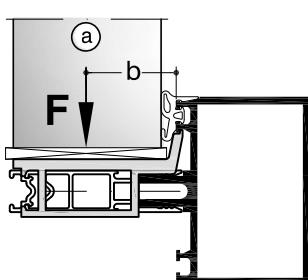
Übergreifende-Vorklöte
Overall glazing supports

50 - 54	4030286	4080414 **			
52 - 56	+ 196059	4080414 *			
54 - 58		4080414			
56 - 60	4030286	4080415 **			
58 - 62	+ 196060	4080415 *			
60 - 64		4080415			
			2 x 2400	35	
			2 x 2000	38	



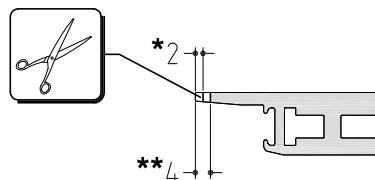
Standard-Vorklöte
Standard glazing supports

32 - 40	196068 (4) - 196066 (2)	196061 (30) 196062 (36) 196062 (36)	197266 E2 E3	700	25



Vorklöte für größere Belastungen
Glazing supports for higher load

32 - 40	196068 (4) - 196066 (2)	196061 (30) 196062 (36) 196062 (36)	197279 E2 E3	2000	25



Zulässige Belastungen für
Pfosten-Riegelverbindungen beachten !
Pay attention of admissible loads for
transom-mullion connections !