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rainscreen cladding facade

System build-up (horizontal section): Axial arrangement of carrier profiles indented sideways from the panel joint

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**System build-up (vertical section): System build-up of a facade**

- **wall construction**
- **Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet**
- **Sto-Stainless Steel Wall Bracket**
- **Sto-Board Carrier Profile**
- **StoVentec Aluminium Agraffe Profile**
- **Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)**

1) Arrange the Sto-Aluminium-T-Profiles so that the joint between the Sto-Aluminium-T-Profiles lies in the area of the joint between the StoVentec Glass panels.

<table>
<thead>
<tr>
<th>A</th>
<th>length of the wall bracket (see VGP-SAR-0015)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>edge distance of the board carrier profile in accordance with technical approval, structural analysis, and/or project-specific planning</td>
</tr>
</tbody>
</table>

**Technical Details**

- **Sto-Ventec Glassrainscreen cladding facade**
- **System build-up (vertical section): System build-up of a facade**
- **Sto-Stainless Steel Wall Bracket**
- **Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)**
- **Sto-Board Carrier Profile**
- **StoVentec Aluminium Agraffe Profile**
- **Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet**
rainscreen cladding facade

System build-up (vertical section): Determining the length of the wall bracket

Wall construction

Anchoring element in accordance with structural analysis

Sto-Stainless Steel Wall Bracket

Sto-Board Carrier Profile

StoVentec Aluminium Agraffe Profile

Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)

Sto-Aluminium-T-Profile

StoVentec Glass panel

Optimal length of wall bracket

W max. = A + 95 mm; W min. = A + 65 mm

<table>
<thead>
<tr>
<th>A</th>
<th>Length of the wall bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>Total width measured from the leading edge of wall construction to the leading edge of the glass panel.</td>
</tr>
</tbody>
</table>

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rainscreen cladding facade

System build-up (vertical section in longitudinal direction): System build-up of a ceiling with wall bracket for an entire system width of ≤ 440 mm

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System build-up (vertical section in longitudinal direction): System build-up of a ceiling with wall bracket for an entire system width of ≤ 440 mm

StoVentec Glass

Fix the aluminium L-profile (min. 30 x 40 x 2 mm) as a retaining bracket with a self-tapping screw.

self-tapping screw (e.g. 5.5 x 19 mm) for securing the glass panel

Sto-Board Carrier Profile

StoVentec Aluminium Agraffe Profile

Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)

Sto-Stainless Steel Wall Bracket

1) Observe national fire protection requirements.
rainscreen cladding facade

System build-up (vertical section in transverse direction): System build-up of a ceiling with two-force member

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Secure the ceiling elements from hanging out using a retaining bracket and one self-tapping screw per element. alternative: If installation without torsional stress is ensured, use two self-tapping screws.

1) Observe national fire protection requirements.
2) observe the positioning of the screws
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system build-up (view): Axial arrangement of carrier profiles for standing panel for a rated value of building element resistance at wind load of \( \leq 1.5 \text{kN/m}^2 \).

C span width of the StoVentec Aluminium Agraffe Profile in accordance with technical approval, structural analysis, and project-specific planning

K cantilever length of the StoVentec Aluminium Agraffe Profile in accordance with technical approval, structural analysis, and project-specific planning: \( K \leq C \) and \( K \leq 250 \text{ mm} \)

R edge distance of the board carrier profile in accordance with technical approval, structural analysis, and/or project-specific planning

s spacing between the StoVentec Aluminium Agraffe Profiles in accordance with technical approval, structural analysis, and project-specific planning

arrangement of T-profiles and agraffe profiles in accordance with the technical approval

Note: See VGP-SAR-0045 and -0046 for how to produce fixed points and sliding points.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
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System build-up (view): Axial arrangement of carrier profiles for standing panel for a rated value of building element resistance at wind load $\leq 2.4 \text{kN/m}^2$

StoVentec Glass panel
StoVentec Aluminium Agraffe Profile
Sto-Aluminium-T-Profile
Sto-Aluminium-T-Profile, installation length max. 3 m
GP/GP
FP
GP
10-15
max. s = 550
max. R = 200
max. C = 1262
StoVentec Aluminium Agraffe Profile, installation length max. 3 m

C  | span width of the StoVentec Aluminium Agraffe Profile in accordance with technical approval, structural analysis, and project-specific planning
K  | cantilever length of the StoVentec Aluminium Agraffe Profile in accordance with technical approval, structural analysis, and project-specific planning: $K \leq C$ and $K \leq 250$ mm
R  | edge distance of the board carrier profile in accordance with technical approval, structural analysis, and/or project-specific planning
s  | spacing between the StoVentec Aluminium Agraffe Profiles in accordance with technical approval, structural analysis, and project-specific planning

Note: See VGP-SAR-0045 and -0046 for how to produce fixed points and sliding points.
Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

**rainscreen cladding facade**

System build-up (view): Axial arrangement of carrier profiles for standing panel for a rated value of building element resistance at wind load $\leq 3.3 \text{ kN/m}^2$

<table>
<thead>
<tr>
<th>C</th>
<th>span width of the StoVentec Aluminium Agraffe Profile in accordance with technical approval, structural analysis, and project-specific planning</th>
</tr>
</thead>
<tbody>
<tr>
<td>K</td>
<td>cantilever length of the StoVentec Aluminium Agraffe Profile in accordance with technical approval, structural analysis, and project-specific planning: $K \leq C$ and $K \leq 250$ mm</td>
</tr>
<tr>
<td>R</td>
<td>edge distance of the board carrier profile in accordance with technical approval, structural analysis, and/or project-specific planning</td>
</tr>
<tr>
<td>s</td>
<td>spacing between the StoVentec Aluminium Agraffe Profiles in accordance with technical approval, structural analysis, and project-specific planning</td>
</tr>
</tbody>
</table>

arrangement of T-profiles and agraffe profiles in accordance with the technical approval

Note: See VGP-SAR-0045 and -0046 for how to produce fixed points and sliding points.
rainscreen cladding facade

System build-up (vertical section): Producing fixed points and sliding points

1. Sto-Stainless Steel Wall Bracket FP/GP
2. Sto-Stainless Steel Wall Bracket GP
3. Sto-Aluminium-T-Profile
4. anchoring element in accordance with structural analysis
5. Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)

Note: All values are subject to structural analyses.

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 rainscreen cladding facade

System build-up (vertical section): Distance for inserting the Sto-Board Carrier Profile and the StoVentec Aluminium Agraffe Profile

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rainscreen cladding facade

System build-up (vertical section): Arrangement of the StoVentec Aluminium Agraffe Profile to the StoVentec Glass panel

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rainscreen cladding facade
System build-up (facade surface): Arrangement and fixing of insulation boards with nonwoven fabric facing on the facade and on the ceiling in accordance with DIN 18516-1

On the facade, use the Sto-Insulation Dowel, the Sto-Insulation Dowel DH, or the Sto-Screw Dowel H 60, if necessary with Sto-Dowel Head H.

On ceilings use the Sto-Insulation Dowel DH, the Sto-Screw Dowel H 60, if necessary with Sto-Dowel Head H, or the Sto-Ceiling Insulation Screw SW with Sto-Ceiling Insulation Retaining Disk.

Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet

- Use an average of 5 insulation fasteners/m² in accordance with DIN 18516-1. Use 1 to 2 insulation fasteners in the centre of the board.

- If the ventilation airspace is < 6 cm (see VGP-SAR-0011 and -0012), fix the insulation fasteners adjacent to the carrier profile axes.

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**rainscreen cladding facade**

System build-up (facade surface): Arrangement and fixing of the Sto-Stone Wool Insulation Boards with nonwoven fabric facing on the facade with the one-anchor technique

- number of insulation fasteners: min. 1.6 pieces/m²
- If insulation board thickness ≥ 10 cm, only use insulation fasteners after project-specific tests and with approval of the insulant manufacturer; otherwise fix with anchors in accordance with DIN 18516-1 (see VGP-SAR-0090).
- If the ventilation airspace is < 6 cm (see VGP-SAR-0011 and -0012), fix the insulation fasteners adjacent to the carrier profile axes.

Use the Sto-Insulation Dowel, the Sto-Insulation Dowel DH, or the Sto-Screw Dowel H 60, if necessary, with Sto-Dowel Head H.

Sto-Stone Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet

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rainscreen cladding facade

System build-up (facade surface): Arrangement and fixing of the Sto-Glass Wool Boards with nonwoven fabric facing on the facade with the one-anchor technique.

Use the Sto-Insulation Dowel, the Sto-Insulation Dowel DH, or the Sto-Screw Dowel H 60, if necessary, with Sto-Dowel Head H.

Sto-Glass Wool Board RSC, with nonwoven fabric facing in accordance with the Technical Data Sheet.

- Number of insulation fasteners: in normal zone min. 1.4 pieces/m², in edge zone min. 2.7 pieces/m²
- If insulation board thickness ≥ 8 cm, only use insulation fasteners after project-specific tests (building height ≤ 100 m and pull-out strength of insulation fasteners > 200 N) and with approval of the insulant manufacturer; otherwise fix with anchors in accordance with DIN 18516-1 (see VGP-SAR-0090).
- If the ventilation airspace is < 6 cm (see VGP-SAR-0011 and -0012), fix the insulation fasteners adjacent to the carrier profile axes.

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rainscreen cladding facade

System build-up (facade surface): Arrangement and fixing of insulation boards with nonwoven fabric facing in two layers on the facade and on the ceiling in accordance with DIN 18516-1.

- Use an average of 5 insulation fasteners/m² in accordance with DIN 18516-1. Use 1 to 2 insulation fasteners in the centre of the board.
- If the ventilation airspace is < 6 cm (see VR-SAR-0011 and -0012), fix the insulation fasteners adjacent to the carrier profile axes.

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Caution: thermal bridge!

1) Coat the profile black in the joint area.

2) If the StoVentec Glass panel projects into the splash zone when it is installed, provide the system with additional protection against moisture penetration and ensure constant system ventilation by taking structural and maintenance measures. Constant, excessive stress from moisture can damage the system. The planner must determine the height and position of the splash zone on a project-specific basis.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
Rainscreen cladding facade

Plinth (vertical section): Connection to a set-back plinth with Sto-Plinth Insulation Board

- **StoVentec Glass**
- **Rev. no. 2017-06-01**
- **Sto-HQ-EN**
- **VGP-SAR-0101**

1. Coat the profile black in the joint area.
2. Alternative: If insulation board thickness ≤ 160 mm, use Sto-Plinth Profile PH-K with Sto-Packing Shim.
3. If the StoVentec Glass panel projects into the splash zone when it is installed, provide the system with additional protection against moisture penetration and ensure constant system ventilation by taking structural and maintenance measures. Constant, excessive stress from moisture can damage the system. The planner must determine the height and position of the splash zone on a project-specific basis.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade

Plinth (vertical section): Facade-flush connection to a sheeted plinth

1) Coat the profile black in the joint area.

2) If the StoVentec Glass panel projects into the splash zone when it is installed, provide the system with additional protection against moisture penetration and ensure constant system ventilation by taking structural and maintenance measures. Constant, excessive stress from moisture can damage the system. The planner must determine the height and position of the splash zone on a project-specific basis.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
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Plinth (vertical section): Connection to a set-back plinth in the splash zone with ventilation profile

1) Coat the profile black in the joint area.

2) If the StoVentec Glass panel projects into the splash zone when it is installed, provide the system with additional protection against moisture penetration and ensure constant system ventilation by taking structural and maintenance measures. Constant, excessive stress from moisture can damage the system.

The planner must determine the height and position of the splash zone on a project-specific basis.
Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

rainscreen cladding facade

External wall/system transition (horizontal section): Connection of an external corner to glass panel with mitre

- wall construction
- Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
- anchoring element in accordance with structural analysis
- Sto-Stainless Steel Wall Bracket
- Sto-Aluminium-T-Profile
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
- Sto-Board Carrier Profile
- StoVentec Glass panel
- Install Sto-Aluminium-L-Profile with a max. installation length of 3 m without torsional stress.
- StoVentec Aluminium Agraffe Profile
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm) or a locking pin
- adjustment screw (M5 x 10)

X min. distance to the building shell edge in accordance with the approval of the anchoring elements and structural analysis

1) bigger distance possible if L-profile is structurally calculated
rainscreen cladding facade

External wall/system transition (horizontal section): Connection of an external corner to glass panel with glass projection

wall construction
Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
anchoring element in accordance with structural analysis
Sto-Stainless Steel Wall Bracket
Sto-Aluminium-T-Profile
Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
Sto-Board Carrier Profile
StoVentec Glass panel
Install Sto-Aluminium-L-Profile with a max. installation length of 3 m without torsional stress.
StoVentec Aluminium Agraffe Profile
Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm) or a locking pin adjustment screw (M5 x 10)

X min. distance to the building shell edge in accordance with the approval of the anchoring elements and structural analysis

1) bigger distance possible if L-profile is structurally calculated
2) Depending on the light, the colour shade of the glass projection may differ from that of the glass panel.
Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
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External wall/system transition (horizontal section): Connection of an external corner with corner projection support to glass panel with glass projection

wall construction
Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
aluminium U-profile as corner support in accordance with structural analysis
anchoring element in accordance with structural analysis
Sto-Thermal Blocking Element PH
drilling screw in accordance with structural analysis
Sto-Board Carrier Profile
StoVentec Glass panel
Sto-Stainless Steel Wall Bracket
Sto-Aluminium-T-Profile
Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
Install Sto-Aluminium-T-Profile with a max. installation length of 3 m without torsional stress.
StoVentec Aluminium Agraffe Profile
Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm) or a locking pin adjustment screw (M5 x 10)

P min. pair spacing in accordance with the approval of the anchoring elements and structural analysis
X min. distance to the building shell edge in accordance with the approval of the anchoring elements and structural analysis

1) Depending on the light, the colour shade of the glass projection may differ from that of the glass panel.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade

External wall/system transition (horizontal section): Connection of an external corner with stainless steel flat profile as corner protection

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade

External wall/system transition (horizontal section): Connection of an external corner with four-sided tube as corner protection

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Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

Note: Complete external wall insulation system before installing the rainscreen cladding facade (RSC).

1) Install the folded aluminium sheet with an overlap of 30 mm to the profile joint, in order to conduct water away.
rainscreen cladding facade

External wall/system transition (horizontal section): Connection of an external corner with visible aluminium sheet

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

1) Install the folded aluminium sheet with an overlap of 30 mm to the profile joint, in order to conduct water away.
Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

StoVentec Glassrainscreen cladding facade
External wall/system transition (horizontal section): Connection of an internal corner

StoVentec Glass panel
Sto-Board Carrier Profile
StoVentec Aluminium Agraffe Profile
Sto-Aluminium-T-Profile
Sto-Stainless Steel Wall Bracket
Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm) or a locking pin
adjustment screw (M5 x 10)
Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
wall construction

C  span width of the StoVentec Aluminium Agraffe Profile (see VGP-SAR-0030 to -0034)
K  cantilever length of the StoVentec Aluminium Agraffe Profile (see VGP-SAR-0030 to -0034)
rainscreen cladding facade

External wall/system transition (horizontal section): Connection of an internal corner to an external wall insulation system

Note: Complete external wall insulation system before installing the rainscreen cladding facade (RSC).

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade

External wall/system transition (horizontal section): Connection of an internal corner to a solid wall

Caution: thermal bridge!

- Sto-Ventilation Profile (coated black on-site)
- StoVentec Aluminium Agraffe Profile
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm) or a locking pin
- adjustment screw (M5 x 10)
- anchoring element in accordance with structural analysis
- Sto-Stainless Steel Wall Bracket
- Sto-Aluminium-T-Profile
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
- Sto-Board Carrier Profile
- StoVentec Glass panel
- Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
- wall construction

**Note:** This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

**Legend:**
- **C** span width of the StoVentec Aluminium Agraffe Profile (see VGP-SAR-0030 to -0034)
- **K** cantilever length of the StoVentec Aluminium Agraffe Profile (see VGP-SAR-0030 to -0034)
External wall/system transition (horizontal section): Connection to a post and beam construction in an internal corner.

- StoVentec Glassrainscreen cladding facade
- StoVentec Aluminium Agraffe Profile
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm) or a locking pin
-调整螺丝 (M5 x 10)
- anchoring element in accordance with structural analysis
- Sto-Stainless Steel Wall Bracket
- Sto-Aluminium-T-Profile
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
- Sto-Board Carrier Profile
- StoVentec Glass panel
- Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
- wall construction

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade
External wall/system transition (horizontal section): Transition between StoVentec Glass and a set-back external wall insulation system with visible aluminium sheet

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

Note: Complete external wall insulation system before installing the rainscreen cladding facade (RSC).

1) Install the folded aluminium sheet with an overlap of 30 mm to the profile joint, in order to conduct water away.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade
External wall/system transition (horizontal section): Transition between StoVentec Glass and a set-back external wall insulation system with aluminium sheet metal cover

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

1) Depending on the light, the colour shade of the glass projection may differ from that of the glass panel.
2) Install the folded aluminium sheet with an overlap of 30 mm to the profile joint, in order to conduct water away.

Note: Complete external wall insulation system before installing the rainscreen cladding facade (RSC).
rainscreen cladding facade

External wall/system transition (horizontal section): Connection to a set-back solid wall with glass panel and visible aluminium sheet

1) Install the folded aluminium sheet with an overlap of 30 mm to the profile joint, in order to conduct water away.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade

External wall/system transition (horizontal section): Connection to a set-back solid wall with glass panel and aluminium sheet

1) Depending on the light, the colour shade of the glass projection may differ from that of the glass panel.

2) Install the folded aluminium sheet with an overlap of 30 mm to the profile joint, in order to conduct water away.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

If using a StoVentec Glass panel as side completion, the width and length of the panel must have a ratio of max. 1 : 10.

1) Depending on the light, the colour shade of the glass projection may differ from that of the glass panel.
rainscreen cladding facade

External wall/system transition (horizontal section): Facade-flush transition between StoVentec Glass and StoVentec R

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
Rainscreen cladding facade

External wall/system transition (horizontal section): Facade-flush transition between StoVentec Glass and VeroStone Massive

- **StoVentec Glass rainscreen cladding facade**
- **Sto-Stone Carrier Profile**
- **Sto-Aluminium-T-Profile**
- **Sto-Stainless Steel Wall Bracket**
- **Sto-Board Carrier Profile**
- **StoVentec Glass panel**
- **StoVentec panel**
- **StoVentec Aluminium Agraffe Profile**
- **Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)**
- **Sto-Self-Drilling Facade Screw with locking pin**
- **Sto-Aluminium-T-Profile**
- **Sto-Board Carrier Profile**
- **StoVentec Glass panel**
- **anchoring element in accordance with structural analysis**

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**Notes:**
- This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
External wall/system transition (vertical section): Transition between StoVentec Glass and a projecting external wall insulation system with ventilation gap

- wall construction
- external wall insulation system in accordance with system approval
- Sto-Hammer Dowel S UEZ 8 with thermal stop
- Sto-Starter Track Universal
- Sto-Ventilation Profile (coated black on-site)
- StoVentec Glass panel
- adjustment screw (M5 x 10)
- Sto-Board Carrier Profile
- StoVentec Aluminium Agraffe Profile
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
- Sto-Stainless Steel Wall Bracket
- Sto-Aluminium-T-Profile
- anchoring element in accordance with structural analysis
- Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
- R edge distance of the board carrier profile in accordance with technical approval, structural analysis, and/or project-specific planning

1) Alternative: Sto-Starter Profile PH-P, if necessary with Sto-Packing Shim to compensate for unevenness of the wall construction, and Sto-Plinth Profile PH or Sto-Plinth Profile PH-A.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade

External wall/system transition (vertical section): Transition between StoVentec Glass and a projecting thermal-bridge-free external wall insulation system with ventilation gap

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

Note: Complete external wall insulation system before installing the rainscreen cladding facade (RSC).

1) Alternative: If insulation board thickness ≤ 160 mm, use Sto-Plinth Profile PH-K with Sto-Packing Shim.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
External wall/system transition (vertical section): Transition between StoVentec Glass and a set-back external wall insulation system with ventilation gap

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade
External wall/system transition (vertical section): Transition between StoVentec Glass and a set-back thermal-bridge-free external wall insulation system with ventilation gap

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade
External wall/system transition (vertical section): Facade-flush transition between StoVentec Glass and a thermal-bridge-free external wall insulation system with ventilation gap

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

Note: Complete external wall insulation system before installing the rainscreen cladding facade (RSC).
1) Caution: The rendered surfaces can be easily soiled.
Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade

Roof (vertical section): Connection to a flat roof or balcony with ventilation gap and Sto-Ventilation Profile

- wall construction
- Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
- anchoring element in accordance with structural analysis
- Sto-Stainless Steel Wall Bracket
- Sto-Board Carrier Profile
- StoVentec Aluminium Agraffe Profile
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
- Sto-Aluminium-T-Profile
- StoVentec Glass panel
- 1) Sto-Ventilation Profile (coated black on-site)

1) Coat the profile black in the joint area.

2) If the StoVentec Glass panel projects into the splash zone when it is installed, provide the system with additional protection against moisture penetration and ensure constant system ventilation by taking structural and maintenance measures. Constant, excessive stress from moisture can damage the system. The planner must determine the height and position of the splash zone on a project-specific basis.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade

Reveal/lintel (horizontal section): Connection to a reveal with mineral wool insulation board and visible aluminium sheet

- wall construction
- Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
- anchoring element in accordance with structural analysis
- Sto-Board Carrier Profile
- StoVentec Glass panel
- Sto-Stainless Steel Wall Bracket
- Sto-Aluminium-T-Profile
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
- adjustment screw (M5 x 10)
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm) or a locking pin
- StoVentec Alumínium Agraffe Profile

- joint sealing tape (already available on-site)
- aluminium F-profile (already available on-site)
- stainless steel screw (already available on-site)

Note: Wind-proofing, waterproofing, and fixing the window in accordance with the RAL directive and information of the window manufacturer.

1) Before installing the aluminium F-profile, clarify the screw connection with the persons responsible.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade

Reveal/lintel (horizontal section): Connection to a reveal with visible aluminium sheet

- wall construction
- Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
- anchoring element in accordance with structural analysis
- Sto-Board Carrier Profile
- StoVentec Glass panel
- Sto-Stainless Steel Wall Bracket
- Sto-Aluminium-T-Profile
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
- adjustment screw (M5 x 10)
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm) or a locking pin
- StoVentec Aluminium Agraffe Profile
- install frame made of aluminium sheet without torsional stress (already available on-site)
- stainless steel screw (already available on-site)
- joint sealing tape (already available on-site)
- aluminium F-profile (already available on-site)

C  span width of the StoVentec Aluminium Agraffe Profile (see VGP-SAR-0030 to -0034)
K  cantilever length of the StoVentec Aluminium Agraffe Profile (see VGP-SAR-0030 to -0034)
X  min. distance to the building shell edge in accordance with the approval of the anchoring elements and structural analysis

Note: Wind-proofing, waterproofing, and fixing the window in accordance with the RAL directive and information of the window manufacturer.

1) Before installing the aluminium F-profile, clarify the screw connection with the persons responsible.
Rainscreen cladding facade

Reveal/lintel (horizontal section): Connection to a reveal with mineral wool insulation board and aluminium sheet

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade

Reveal/lintel (horizontal section): Connection to a reveal with aluminium sheet

- wall construction
- Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
- anchoring element in accordance with structural analysis
- Sto-Board Carrier Profile
- StoVentec Glass panel
- Sto-Stainless Steel Wall Bracket
- Sto-Aluminium-T-Profile
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
- adjustment screw (M5 x 10)
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm) or a locking pin
- StoVentec Aluminium Agraffe Profile
- joint sealing tape (already available on-site)
- stainless steel screw (already available on-site)
- aluminium F-profile (already available on-site)
- install frame made of aluminium sheet without torsional stress (already available on-site)

Note: Wind-proofing, waterproofing, and fixing the window in accordance with the RAL directive and information of the window manufacturer.

1) Depending on the light, the colour shade of the glass projection may differ from that of the glass panel.
2) Before installing the aluminium F-profile, clarify the screw connection with the persons responsible.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade
Reveal/lintel (horizontal section): Connection to a reveal with mineral wool insulation board and glass panel

- wall construction
- Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
- Sto-Stainless Steel Wall Bracket
- Sto-Aluminium-T-Profile
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
- StoVentec Glass panel
- Sto-Stainless Steel Lintel Bracket anchoring element in accordance with structural analysis
- Sto-Board Carrier Profile
- adjustment screw (M5 x 10)
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm) or a locking pin
- StoVentec Aluminium Agraffe Profile
- permanently elastic joint with Sto-Backing Rod in accordance with DIN 18540
- aluminium window sill with notch and upstanding edge on the side (already available on-site)
- installation length of 3 m without torsional stress.

C = span width of the StoVentec Aluminium Agraffe Profile (see VGP-SAR-0030 to -0034)
K = cantilever length of the StoVentec Aluminium Agraffe Profile (see VGP-SAR-0030 to -0034)
X = min. distance to the building shell edge in accordance with the approval of the anchoring elements and structural analysis

If using a StoVentec Glass panel as a reveal element, the width and length of the panel must have a ratio of max. 1 : 10.

Note: Wind-proofing, waterproofing, and fixing the window in accordance with RAL directive and information of the window manufacturer.

1) Depending on the light, the colour shade of the glass projection may differ from that of the glass panel.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
reenscreen cladding facade

Reveal/lintel (horizontal section): Connection to a reveal with glass panel

wall construction
Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
Sto-Stainless Steel Wall Bracket
Sto-Aluminium-T-Profile
Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
StoVentec Glass panel
Sto-Stainless Steel Lintel Bracket
anchoring element in accordance with structural analysis
Sto-Board Carrier Profile
adjustment screw (M5 x 10)
Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm) or a locking pin
StoVentec Aluminium Agraffe Profile
Sto-Aluminium-T-Profile
Sto-Stainless Steel Lintel Bracket
StoVentec Aluminium Agraffe Profile
aluminium window sill with notch and upstanding edge on the side (already available on-site)
Permanently elastic joint with Sto-Backing Rod in accordance with DIN 18540

| C | span width of the StoVentec Aluminium Agraffe Profile (see VGP-SAR-0030 to -0034) |
| K | cantilever length of the StoVentec Aluminium Agraffe Profile (see VGP-SAR-0030 to -0034) |
| X | min. distance to the building shell edge in accordance with the approval of the anchoring elements and structural analysis |

If using a StoVentec Glass panel as a reveal element, the width and length of the panel must have a ratio of max. 1 : 10.

Note: Wind-proofing, waterproofing, and fixing the window in accordance with the RAL directive and information of the window manufacturer.

1) Depending on the light, the colour shade of the glass projection may differ from that of the glass panel.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade

Reveal/lintel (horizontal section): Facade-flush connection to a reveal

Wall construction
- Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
- Sto-Aluminium-T-Profile
- StoVentec Glass panel
- Sto-Stainless Steel Wall Bracket
- anchoring element in accordance with structural analysis
- Sto-Board Carrier Profile
- adjustment screw (M5 x 10)
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm) or a locking pin
- StoVentec Aluminium Agraffe Profile

Note:
- Wind-proofing, waterproofing, and fixing the window in accordance with the RAL directive and information of the window manufacturer.
- Depending on the light, the colour shade of the glass projection may differ from that of the glass panel.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade

Reveal/lintel (vertical section): Connection to a lintel with mineral wool insulation board and visible aluminium sheet with ventilation

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

Before installing the aluminium F-profile, clarify the screw connection with the persons responsible.

X min. distance to the building shell edge in accordance with the approval of the anchoring elements and structural analysis

R edge distance of the board carrier profile in accordance with structural analysis, and/or project-specific planning

Note: Wind-proofing, waterproofing, and fixing the window in accordance with the RAL directive and information of the window manufacturer.

Drill holes in the aluminium sheet for ventilation.

**Notes:**

1) Drill holes in the aluminium sheet for ventilation.
2) Free airflow cross-section \( \geq 50 \text{ cm}^2/\text{m} \)
3) Before installing the aluminium F-profile, clarify the screw connection with the persons responsible.
Rainscreen cladding facade

Reveal/lintel (vertical section): Connection to a lintel made of visible aluminium sheet with ventilation

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

1) Drill holes in the aluminium sheet for ventilation.
2) Free airflow cross-section $\geq 50 \text{ cm}^2/\text{m}
3) Before installing the aluminium F-profile, clarify the screw connection with the persons responsible.

Note: Wind-proofing, waterproofing, and fixing the window in accordance with the RAL directive and information of the window manufacturer.

Diagram: Wall construction components and connection details.
Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

Before installing the aluminium F-profile, clarify the screw connection with the persons responsible.

1) Drill holes in the aluminium sheet for drainage.
2) Before installing the aluminium F-profile, clarify the screw connection with the persons responsible.

Note: Wind-proofing, waterproofing, and fixing the window in accordance with the RAL directive and information of the window manufacturer.

≥ 10 – 12

≥ 20

≥ 30

X

min. distance to the building shell edge in accordance with the approval of the anchoring elements and structural analysis

edge distance of the board carrier profile in accordance with technical approval, structural analysis, and/or project-specific planning

wall construction

Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet

anchoring element in accordance with structural analysis

Sto-Stainless Steel Wall Bracket

Sto-Board Carrier Profile

StoVentec Glass panel

StoVentec Aluminium Agraffe Profile

Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)

Sto-Aluminium-T-Profile

joint sealing tape (already available on-site)

aluminium F-profile (already available on-site)

install frame as aluminium sheet closed at the sides without torsional stress (already available on-site)

stainless steel screw (already available on-site)
Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
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Reveal/lintel (vertical section): Connection to a lintel with mineral wool insulation board and aluminium sheet

1) Depending on the light, the colour shade of the glass projection may differ from that of the glass panel.
2) Drill holes in the aluminium sheet for drainage.
3) Before installing the aluminium F-profile, clarify the screw connection with the persons responsible.
Rainscreen cladding facade

StoVentec Glass

Reveal/lintel (vertical section): Connection to a lintel with aluminium sheet

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
Rainscreen cladding facade

Reveal/lintel (vertical section): Connection to a lintel with mineral wool insulation board and glass panel

Wall construction
- Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
- Sto-Stainless Steel Wall Bracket
- Sto-Board Carrier Profile
- StoVentec Glass panel
- StoVentec Aluminium Agraffe Profile
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
- Sto-Stainless Steel Lintel Bracket anchoring element in accordance with structural analysis
- Sto-Aluminium-T-Profile
  - Install Sto-Aluminium-L-Profile with a max. installation length of 3 m without torsional stress.
  - Install the drainboard before the ceiling element and ensure a gap of min. 15 mm for inserting the ceiling element.
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
- Adjustment screw (M5 x 10)

R
edge distance of the board carrier profile in accordance with technical approval, structural analysis, and/or project-specific planning

X
min. distance to the building shell edge in accordance with the approval of the anchoring elements and structural analysis

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

If using a StoVentec Glass panel as a lintel element, the width and length of the panel must have a ratio of max. 1 : 10.

Note: Wind-proofing, waterproofing, and fixing the window in accordance with the RAL directive and information of the window manufacturer.

1) Depending on the light, the colour shade of the glass projection may differ from that of the glass panel.
Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

**rainscreen cladding facade**

**Reveal/lintel (vertical section): Connection to a lintel made of glass panel**

- wall construction
- Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
- Sto-Stainless Steel Wall Bracket
- Sto-Board Carrier Profile
- StoVentec Glass panel
- StoVentec Aluminium Agraffe Profile
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
- Sto-Stainless Steel Lintel Bracket anchoring element in accordance with structural analysis
- Sto-Aluminium-T-Profile

Install Sto-Aluminium-L-Profile with a max. installation length of 3 m without torsional stress.

Install the drainboard before the ceiling element and ensure a gap of min. 15 mm for inserting the ceiling element.

| R | edge distance of the board carrier profile in accordance with technical approval, structural analysis, and/or project-specific planning |
| X | min. distance to the building shell edge in accordance with the approval of the anchoring elements and structural analysis |

If using a StoVentec Glass panel as a lintel element, the width and length of the panel must have a ratio of max. 1 : 10.

Note: Wind-proofing, waterproofing, and fixing the window in accordance with the RAL directive and information of the window manufacturer.

1) Depending on the light, the colour shade of the glass projection may differ from that of the glass panel.
rainscreen cladding facade

Reveal/lintel (vertical section): Facade-flush connection to a lintel

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

StoVentec Glass panel
StoVentec Aluminium Agraffe Profile
Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
anchoring element in accordance with structural analysis
Sto-Stone Wool Insulation Board or Sto-Glass
Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
Sto-Aluminium-T-Profile

Create the upstanding edge on the side of the waterproofing profile so that water is conducted away.

Depending on the light, the colour shade of the glass projection may differ from that of the glass panel.

1) Wind-proofing, waterproofing, and fixing the window in accordance with the RAL directive and information of the window manufacturer.

Note: Wind-proofing, waterproofing, and fixing the window in accordance with the RAL directive and information of the window manufacturer.

1) Depending on the light, the colour shade of the glass projection may differ from that of the glass panel.

2) Create the upstanding edge on the side of the waterproofing profile so that water is conducted away.
rainscreen cladding facade

Window sill (vertical section): Facade-flush connection to a window sill with ventilation gap

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

1) Depending on the light, the colour shade of the glass projection may differ from that of the glass panel.

Note: Wind-proofing, waterproofing, and fixing the window in accordance with the RAL directive and information of the window manufacturer.
Rainscreen cladding facade

Roller shutter/window blind (vertical section): Connection to a window blind box with visible aluminium sheet

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
Rainscreen cladding facade

Roller shutter/window blind (vertical section): Connection to a window blind box with visible aluminium L-profile

- Wall construction
- Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
- Anchoring element in accordance with structural analysis
- Sto-Stainless Steel Wall Bracket
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
- Sto-Board Carrier Profile
- StoVentec Glass panel
- StoVentec Aluminium Agraffe Profile
- Sto-Aluminium-T-Profile
- Window blind box with cover (already available on-site)
- Aluminium L-profile with upstanding edge on the side (already available on-site)
- Rivet (already available on-site)

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade

Roller shutter/window blind (vertical section): Connection to a window blind box with aluminium sheet

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

1) Depending on the light, the colour shade of the glass projection may differ from that of the glass panel.
2) Drill holes in the aluminium sheet for drainage.

Note: Wind-proofing, waterproofing, and fixing the window in accordance with the RAL directive and information of the window manufacturer.
Rainscreen cladding facade

Roller shutter/window blind (vertical section): Connection to a window blind box with aluminium L-profile

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

Note: Wind-proofing, waterproofing, and fixing the window in accordance with the RAL directive and information of the window manufacturer.

1) Depending on the light, the colour shade of the glass projection may differ from that of the glass panel.
Rainscreen Cladding Facade

Structural Expansion Joint (Horizontal Section): Joint with Folded Aluminium Sheet

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawings as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

### Structural Expansion Joint

- **Wall Construction**
- **Sto-Stone Wool Insulation Board** or **Sto-Glass Wool Insulation Board** with nonwoven fabric facing in accordance with the Technical Data Sheet
- **Sto-Self-Drilling Facade Screw** with over-tightening protection (5.5 x 19 mm)
- **Sto-Aluminium-T-Profile**
- **StoVentec Glass Panel**
- **Sto-Board Carrier Profile**
- **Sto-Stainless Steel Wall Bracket** anchoring element in accordance with structural analysis
- **Sto-Stainless Steel Wall Bracket**
- **StoVentec Glass Panel**
- **Sto-Aluminium-T-Profile**
- **Sto-Self-Drilling Facade Screw** with over-tightening protection (5.5 x 19 mm) or a locking pin
- **anchoring element in accordance with structural analysis**
- **structural expansion joint**
- **StoVentec Aluminium Agraffe Profile**
- **Folded aluminium sheet**

#### Symbols:

- **F**: joint width in accordance with the specifications of the structural planner and the expected deformations of the structural expansion joint
- **K**: cantilever length of the **StoVentec Aluminium Agraffe Profile** (see VGP-SAR-0030 to -0034)
- **X**: min. distance to the edge in accordance with anchor approval

1) If the joint width > 20 mm, cover the joint on the rear side of the **StoVentec Glass Panels** with two folded aluminium sheets installed without torsional stress.

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**Note:** This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawings as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

rainscreen cladding facade  
Fire protection (vertical section): Sto-Stone Wool Insulation Board with horizontal fire barrier

1) Observe country-specific fire protection specifications.

2) Select the distance between the Sto-Fire Barrier Profile and the StoVentec Glass panel to ensure a free airflow cross-section of 50-100 cm²/m.
**Fire protection (vertical section): Sto-Glass Wool Insulation Board with horizontal fire barrier**

- Wall construction
- Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
- Anchoring element in accordance with structural analysis
- Sto-Stainless Steel Wall Bracket
- Sto-Board Carrier Profile
- StoVentec Glass panel
- StoVentec Aluminium Agraffe Profile
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
- Sto-Aluminium-T-Profile

1. Install the Sto-Fire Barrier Profile so their profile joints overlap by 30 mm.
2. Self-tapping screw made of stainless steel (e.g. 5.5 x 13 mm)
3. Install the Sto-Fire Barrier Profile so their profile joints overlap by 30 mm (horizontal spacing between the anchoring elements: \( \leq 60 \) cm).
4. Adjustment screw (M5 x 10)

**Notes:**
- Select the distance between the Sto-Fire Barrier Profile and of the StoVentec Glass panel to ensure a free airflow cross-section of 50-100 cm²/m.
- Observe country-specific fire protection specifications.
- Install the Sto-Fire Barrier Profile so their joints overlap by 30 mm.

---

R: edge distance of the board carrier profile in accordance with technical approval, structural analysis, and/or project-specific planning.

1) Observe country-specific fire protection specifications.
2) Select the distance between the Sto-Fire Barrier Profile and of the StoVentec Glass panel to ensure a free airflow cross-section of 50-100 cm²/m.
Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

Note: Interrupt vertical fire barriers in the area of the horizontal fire barriers.

Caution: The model according to the detail drawing here does not correspond to DIN 18516-1 and therefore requires the approval of the fire protection expert.
Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
Ceiling (vertical section in transverse direction): Connection in an internal corner

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

rainscreen cladding facade

StoVentec Glass

VGP-SAR-1001

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Ceiling sub-construction and retaining bracket (see VGP-SAR-0017 to -0020)

1) Observe national fire protection requirements.

<table>
<thead>
<tr>
<th>K</th>
<th>cantilever length of the StoVentec Aluminium Agraffe Profile (see VGP-SAR-0030 to -0034)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>edge distance of the board carrier profile in accordance with technical approval, structural analysis, and/or project-specific planning</td>
</tr>
</tbody>
</table>
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1) Observe national fire protection requirements.

2) Install the drainboard before the ceiling element and ensure a gap of min. 15 mm for inserting the ceiling element.

3) Depending on the light, the colour shade of the glass projection may differ from that of the glass panel.
Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade

Ceiling (vertical section in longitudinal direction): Connection to StoVentec R in an internal corner

1) Observe national fire protection requirements.
2) See VR-SAR-0060 to -0063 for the additional screw connections.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
rainscreen cladding facade

Ceiling (vertical section in transverse direction): Connection to StoVentec R in an internal corner

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

Rev. no.

1) Observe national fire protection requirements.
2) See VR-SAR-0060 to -0063 for the additional screw connections.

K cantilever length of the StoVentec Aluminium Agraffe Profile (see VGP-SAR-0030 to -0034)

ceiling sub-construction and retaining bracket (see VGP-SAR-0017 to -0020)
Complete StoVentec R before installing StoVentec Glass.

1) Observe national fire protection requirements.
2) See VR-SAR-0060 to -0063 for the additional screw connections.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
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rainscreen cladding facade

Ceiling (vertical section in transverse direction): Connection to StoVentec R at an external corner with an entire system width of $\leq 200$ mm

- anchoring element in accordance with structural analysis
  - Sto-Stainless Steel Wall Bracket
- Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)
  - Sto-Aluminium-T-Profile
- tension-zone-compatible anchoring element in accordance with the structural analysis
  - Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet
  - StoVentec Carrier Board
- render system in accordance with technical approval and Technical Data Sheet
  - adjustment screw (M5 x 10)
  - self-tapping screw (e.g. 5.5 x 19 mm) for securing the glass panel
  - Sto Drilling Screw stainless steel (5.5 x 24 mm)
- Sto-Edge Protection Profile G PVC white, 12 mm

KT cantilever length of the Sto-Aluminium-T-Profile in accordance with structural analysis
K cantilever length of the StoVentec Aluminium Agraffe Profile (see VGP-SAR-0030 to -0034)
X min. distance to the edge in accordance with anchor approval

ceiling sub-construction and retaining bracket (see VGP-SAR-0017 to -0020)
1) Observe national fire protection requirements.
2) See VR-SAR-0060 to -0063 for the additional screw connections.

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.
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rainscreen cladding facade

Ceiling (vertical section in longitudinal direction): Connection to StoVentec R at an external corner

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1) tension-zone-compatible anchoring element in accordance with the structural analysis

2) See VR-SAR-0060 to -0063 for the additional screw connections.

3) Observe country-specific fire protection specifications.

1) Observe country-specific fire protection specifications.

2) observe the positioning of the screws

3) See VR-SAR-0060 to -0063 for the additional screw connections.

R edge distance of the board carrier profile in accordance with technical approval, structural analysis, and/or project-specific planning

X min. distance to the building shell edge in accordance with the approval of the anchoring elements and structural analysis

ceiling sub-construction and retaining bracket (see VGP-SAR-0017 to -0020)
rainscreen cladding facade
Ceiling (vertical section in transverse direction): Connection to StoVentec R at an external corner with a two-force member with an entire system width of \( \leq 200 \text{ mm} \)

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Ceiling (vertical section in longitudinal direction): Connection to an external wall insulation system in an internal corner

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StoVentec Glassrainscreen cladding facade

≥ 15 tension-zone-compatible anchoring element in accordance with the structural analysis

Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet

Sto-Ventilation Profile (coated black on-site)

Sto-Stainless Steel Wall Bracket

Sto-Board Carrier Profile

Sto-Ventec Aluminium Agraffe Profile

Sto-Aluminium-T-Profile

Sto-Ventec Glass panel

external wall insulation system in accordance with system approval

wall construction

R edge distance of the board carrier profile in accordance with technical approval, structural analysis, and/or project-specific planning

ceiling sub-construction and retaining bracket (see VGP-SAR-0017 to -0020)

Note: Complete external wall insulation system before installing the rainscreen cladding facade (RSC).

1) Observe national fire protection requirements.
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rainscreen cladding facade

Ceiling (vertical section in longitudinal direction): Connection to an external wall insulation system in an internal corner

Note: This drawing is a general, non-binding planning suggestion which depicts the execution only schematically, but is no substitute for the required working and detail drawing as well as the installation plans. The applicator/planner/customer is independently responsible for determining the suitability, completeness and dimensions of the product for the particular construction project. Neighbouring works are described only schematically. All specifications and assumptions must be adjusted or agreed in the light of local conditions. Compliance with the technical specifications contained in the Technical Data Sheets, application guidelines, and system approvals is mandatory.

Fix the aluminium L-profile (min. 30 x 40 x 2 mm) as a retaining bracket with a self-tapping screw.

self-tapping screw (e.g. 5.5 x 19 mm) for securing the glass panel

Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)

Sto-Board Carrier Profile

StoVentec Aluminium Agraffe Profile

Sto-Aluminium-T-Profile

Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)

Sto-Stainless Steel Wall Bracket FP/GP for use as fixed point

StoVentec Glass panel

Note: Complete external wall insulation system before installing StoVentec Glass panels.

1) Observe national fire protection requirements.

2) arrangement and fixing of the Sto-Facade Screws, see VR-SAR-0070 and -0073

3) Sto-Primer if necessary

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Ceiling (vertical section in transverse direction): Connection to a projecting external wall insulation system at an external corner

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rainscreen cladding facade

Ceiling (vertical section in longitudinal direction): Connection to a projecting external wall insulation system at an external corner

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1) Observe national fire protection requirements.
Ceiling (vertical section in transverse direction): Connection to a post and beam construction in an internal corner

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StoVentec Glassrainscreen cladding facade

1) bare ceiling

1) self-tapping screw (e.g. 5.5 x 19 mm) for securing the glass panel

1) Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet

1) Sto-Stainless Steel Wall Bracket

1) Sto-Aluminium-T-Profile

1) Sto-Ventilation Profile (coated black on-site)

1) StoVentec Aluminium Agraffe Profile

1) Sto-Board Carrier Profile

1) StoVentec Glass panel

1) Sto-Aluminium-T-Profile

1) Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)

1) Post and beam construction (already available on-site)

K cantilever length of the StoVentec Aluminium Agraffe Profile (see VGP-SAR-0030 to -0034)

ceiling sub-construction and retaining bracket (see VGP-SAR-0017 to -0020)

1) Observe national fire protection requirements.
rainscreen cladding facade

Ceiling (vertical section in longitudinal direction): Connection to a solid wall in an internal corner

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Caution: thermal bridge!

R  edge distance of the board carrier profile in accordance with technical approval, structural analysis, and/or project-specific planning

ceiling sub-construction and retaining bracket (see VGP-SAR-0017 to -0020)
1) Observe national fire protection requirements.
Ceiling (vertical section in transverse direction): Connection to a solid wall in an internal corner

StoVentec Glass rainscreen cladding facade

Sto-Stone Wool Insulation Board or Sto-Glass Wool Insulation Board with nonwoven fabric facing in accordance with the Technical Data Sheet

Sto-Ventilation Profile (coated black on-site)

Sto-Aluminium Agraffe Profile

Sto-Board Carrier Profile

StoVentec Glass panel

Sto-Stainless Steel Wall Bracket

Sto-Aluminium-T-Profile

Sto-Self-Drilling Facade Screw with over-tightening protection (5.5 x 19 mm)

wall construction

tension-zone-compatible anchoring element in accordance with the structural analysis

self-tapping screw (e.g. 5.5 x 19 mm) for securing the glass panel

adjustment screw (M5 x 10)

K cantilever length of the StoVentec Aluminium Agraffe Profile (see VGP-SAR-0030 to -0034)

ceiling sub-construction and retaining bracket (see VGP-SAR-0017 to -0020)

1) Observe national fire protection requirements.

Caution: thermal bridge!

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