Leader and Expert in High Performance CURTAIN WALLS SYSTEMS
STEEKAR CURTAIN WALLS SYSTEMS

Definition:
A SYSTEM IS A SET OF ELEMENTS THAT INTERACT WITH ONE ANOTHER ACCORDING TO CERTAIN PRINCIPLES OR RULES.

We offer a state-of-the-art curtain wall system designed by our engineers to meet the most stringent structural requirements.

Our curtain wall systems meet the major science principles of the building envelope.

Technical description of the system

1. Rain screen principle ensuring water flow and pressure balance
2. Wide Range of Mullions of different sizes to meet the structural requirements and allow embedding standard steel reinforcement
3. Anchoring system designed for the needs of each project
4. Wide range of glazing inserts to suit your project
5. Different thermal barrier developed to optimize performance
6. Incorporation of blind panels
7. Various models of pressure caps to choose from
8. Choice of anodized or painted color
ESTIMATING DEPARTMENT
- Customized proposal in compliance with budgets
- Assistance in design (engineering) and preparation of specifications
- Detailed bid deposit

PROJECT MANAGEMENT: ONE SINGLE POINT OF CONTACT
- Experienced Project manager assigned to your project
- Project manager’s proactive attitude that can foresee and prevent things
- Detailed planning at each phase of your project
- Fulfillment of commitments

ENGINEERING AND DESIGN
- Application of the main principles of the science of the building envelope
- Verification of the design and compliance with current standards and codes
- Calculation of loads
- Design and validation of anchors
- Optimization at the thermal bridges level
- Recommendations for the design of architectural details
- Verification of potential conflicts between structural and architectural plans
- Ensure compatibility of the different materials

STATE-OF-THE-ART FACTORY
- Cutting-edge equipment
- Compuretized mobile management
- Application of management principles in LEAN manufacturing

TURNKEY INSTALLATION SERVICE
- One single responsibility
- Specifically trained team for the installation of our products
We offer three levels of performance:
- STE-6000-BT3 (3mm thermal barrier)
- STE-6000-BT6 (6mm thermal barrier)
- STE-6000-BT10 (10mm thermal barrier)

And two configurations with bonded glazing
- STE-6000-SSG2 (Structural Silicone Glazing) horizontal or vertical

The simulations were made with the THERM 6.3 software; outside temperature of -30 degrees Celsius and inside temperature of 21 degrees Celsius.
Stekar offers a wide range of curtain walls with optimized thermal break according to the rain screen principle that meets the highest structural standards and can adapt to the boldest design.

See the most common configurations:

- **Curtain walls with horizontal bonded glazing** available in:
  - STE-6000 - BT3
  - STE-6000 - BT6
  - STE-6000 - BT10

- **Curtain walls with vertical bonded glazing** available in:
  - STE-6000 - BT6 SSG2
  - STE-6000 - BT10 SSG2

- **Curtain walls with 4-side pressure cap** available in:
  - STE-6000 - BT3
  - STE-6000 - BT6
  - STE-6000 - BT10

- **Curtain walls with vertical bonded glazing** available in:
  - STE-6000 - BT6 SSG2
  - STE-6000 - BT10 SSG2

- **Curtain walls with 4-side pressure cap** available in:
  - STE-6000 - BT3
  - STE-6000 - BT6
  - STE-6000 - BT10
STE-5000 SERIES
Short span system

LIGHT CURTAIN WALL
with 51 mm mullions for structures
which do not require high structural resistance

STE-5000 - BT³
STE-5000 - BT⁶
STE-5000 - BT¹⁰

SELECT YOUR CURTAIN WALL

<table>
<thead>
<tr>
<th></th>
<th>STE-5000 Series</th>
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<th>STE-6000 Series</th>
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<tbody>
<tr>
<td></td>
<td>BT-3</td>
<td>BT-6</td>
<td>BT-10</td>
<td>BT-3</td>
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<tr>
<td>Global U Factor (W/m²*K)</td>
<td>1.850</td>
<td>1.755</td>
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<td>Global U Factor (BTU/h·pi²·F)</td>
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<td>RSI Value (m²·K/W)</td>
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<tr>
<td>R Value (hr·ft²·F/Btu)</td>
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<tr>
<td></td>
<td>BT-3</td>
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<td>BT-10</td>
<td>SSG</td>
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<td>Global U Factor (W/m²*K)</td>
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<td>Global U Factor (BTU/h·pi²·F)</td>
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<td>0.302</td>
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<td>R Value (hr·ft²·F/Btu)</td>
<td>3.227</td>
<td>3.307</td>
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Note: Global U, R and RSI value obtained for a section of curtain wall with 1500 mm x 2133 mm vision part and 1500 mm x 915 mm tympanum Series 6000: STE-6505 mullion, galvanized steel purlins, 5 in. Roxul insulation 5000 Series: STE-5504 mullion, galvanized steel purlins, 4 in. Thermal Roxul insulation (6 mm glass SNX6227(F2) + Argon + 6 mm glass). THERM 6.3 softaware used with outside temperature of -30C and inside 21C.

OTHER OPTIONS AVAILABLE

• Easy integration of door frames
• Opening vents for ventilation with visible and invisible frames (frameless)
ON-SITE INSTALLATION CONTROL
Stekar in collaboration with its partner Vitralum Pro-Installation Inc. offers a turnkey service. Its technical team closely works with its installers to ensure flawless and on time execution. It takes care of your projects and guarantees manufacturing through installation.

PERFORMANCE GUARANTEED
5 years on installation • 20 years on finish • 10 years on glass

Adding a touch of refinement, prestige, and elegance to buildings and contributing to the architectural heritage of tomorrow, that is what being a shaper of cities is all about.