

**SOLSTeX**<sup>®</sup>  
SOLAR FACADE SYSTEM

by  **elemex**<sup>®</sup>



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# BUILDING INTEGRATED PHOTOVOLTAICS (BIPV) RAINSCREEN COMPARISON

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# JOINT COMPARISON

SEAMLESS INTEGRATION IS ACHIEVED THROUGH AN AUTO-ALIGNING DRY JOINT INFILL, ELIMINATING THE INSTALLATION COMPLEXITY AND FLASHING DETAIL AT JOINTS.

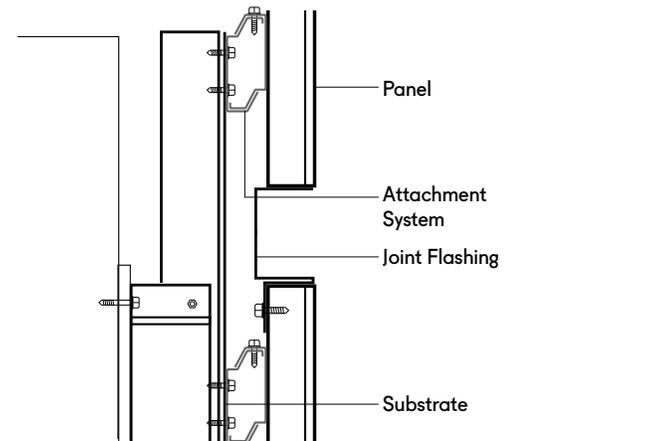
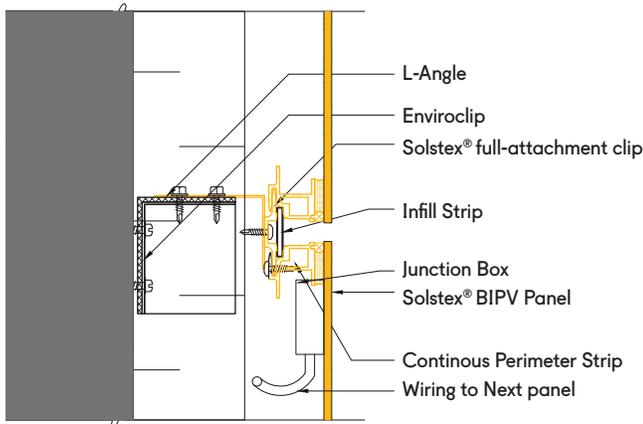
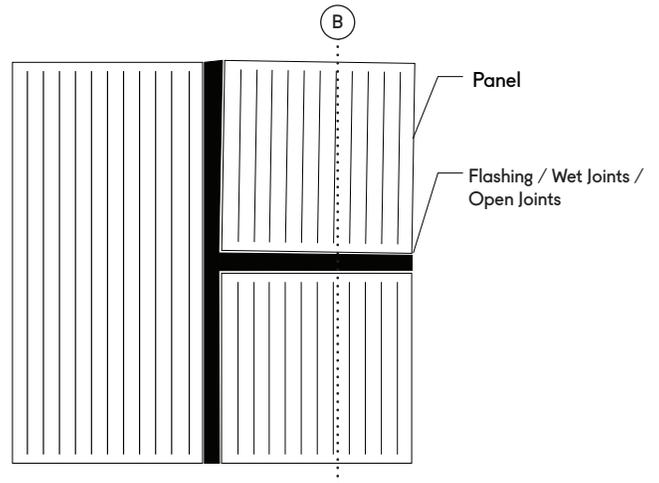
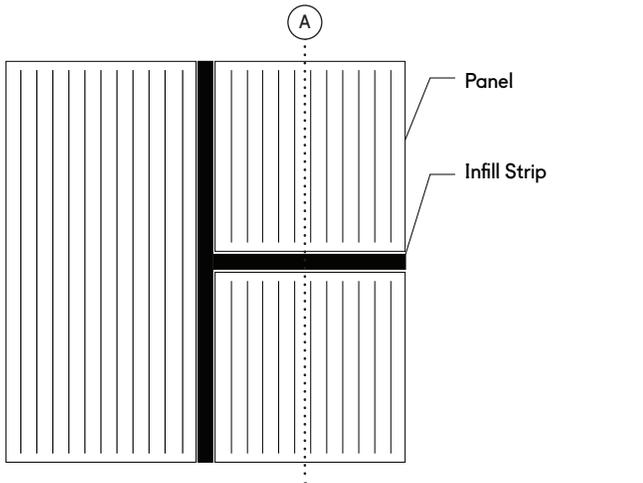


VS

## Leading Competitor

- ✓ SOLSTEX®'s Unity system 'auto-sets' every joint at a consistent 1/2"
- ✓ SOLSTEX®'s infill hides all fasteners on the façade and integrates directly into the panel extrusion, ensuring it stays exactly where it belongs
- ✓ No open joints
- ✓ No joint caulking required

- ✓ Joints are left up to site installers, usually set via a shim or a spacer which can lead to inconsistent or wandering joints – resulting in a higher installation cost
- ✓ Open joint option leaves access to unsightly elements like framing and insulation
- ✓ Dry joint option utilizes flashings that are field riveted to the backside of the panels – leading to inconsistent elements that can be bent or manipulated out of place
- ✓ Wet joint option uses caulking to close off joints that discolors and disintegrates over time



A Section view

B Section view

# ATTACHMENT COMPARISON

THE UNITY ATTACHMENT PLATFORM GUARANTEES ALIGNMENT AND EASE OF INSTALL OPERATIONS.

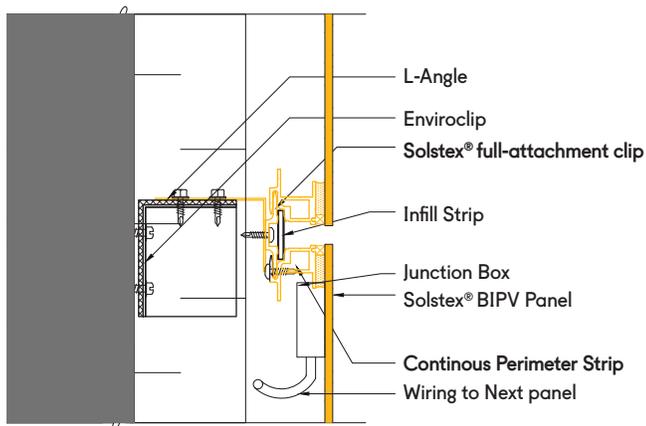


VS

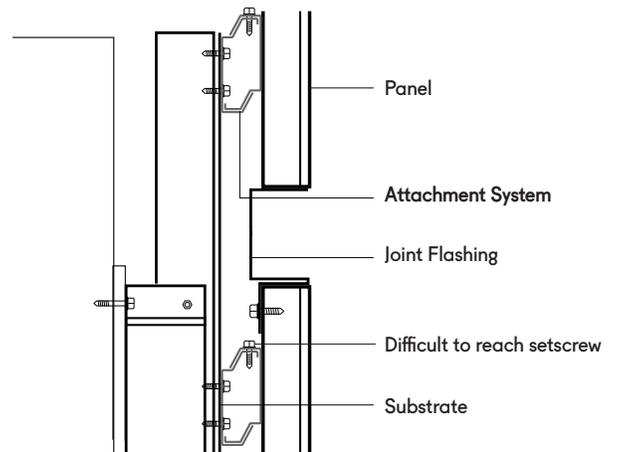
## Leading Competitor

- ✓ Aluminium panel framing system with clips that attach the panel around the perimeter, meaning panel adjustment and alignment is done from the face of the panel
- ✓ Held in place by mechanical fasteners

- ✓ Back hung system that utilizes setscrews to adjust the panel alignment – leading to installers reaching behind the panel to perform alignment operations
- ✓ If there are no setscrews, system is aligned purely on channels that are site installed before the panels are put into place which can lead to inconsistent or wandering joints – resulting in a higher installation cost
- ✓ Held in place by gravity



A Section view



B Section view

# TRACK RECORD OF EXPERIENCE

SOLSTEX UTILIZES THE MOST EXPERIENCED PARTNERS ON THE MARKET

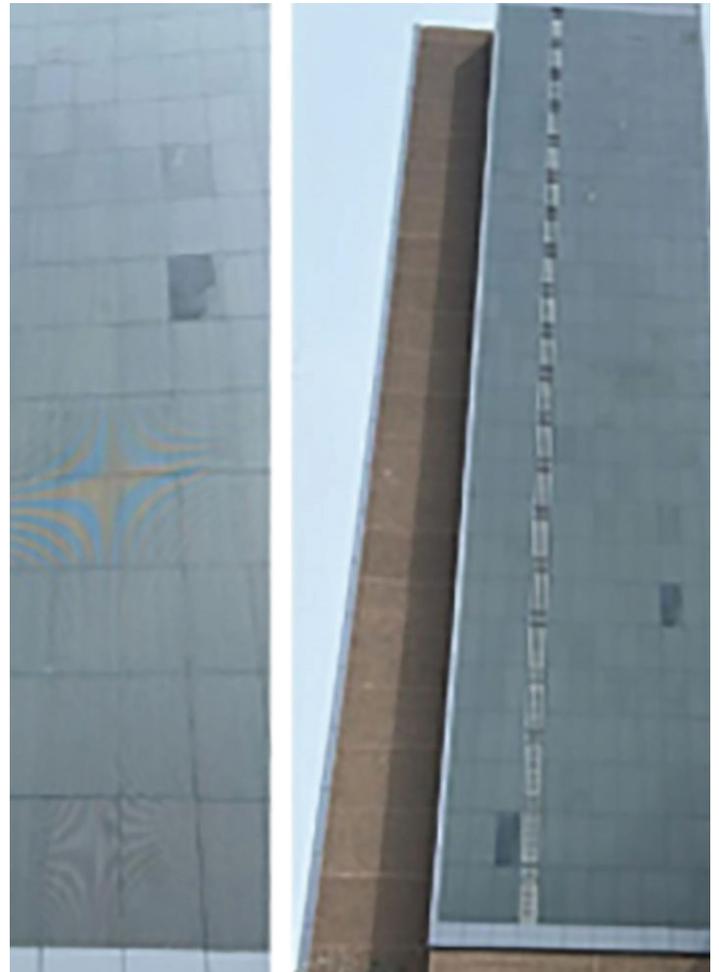


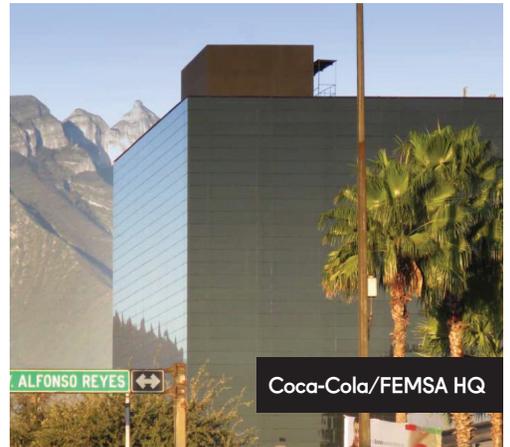
VS

## Leading Competitor

- ✓ Able to build in any jurisdiction with completed projects in the Northern, Eastern and Western quadrants of North America
- ✓ Backed by Onyx Solar, with over 16+ years of experience in manufacturing solar glass and over 500 projects across 60 countries
- ✓ Manufactured with the highest quality of care, leading to long lasting products that have a lower lifecycle cost
- ✓ Elemex® has experience navigating electrical certifications, both for standard and custom products

- ✓ Less than 7 years manufacturing solar glass





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# THE POWER OF COLOR

SOLSTEX PANELS UTILIZES COLORED GLASS, AN ADVANTAGE THAT DELIVERS EXCELLENT EFFICIENCY AND RICH COLOR THAT LASTS THE TEST OF TIME



VS

## Leading Competitor

- Incorporates front glass that uses uniform colors and patterns to reduce the risk of hot spots and reverse current
- Consistent batch production to ensure an even color across the façade
- No discoloration or fading over time

- Focus on volume of offerings rather than quality of offerings
- Risk of inconsistent batch production, leading to pockmark look or delamination
- Fading or discoloration is possible, leading to panels looking like they are failing on the side of a building

### Solstex® Color Options:



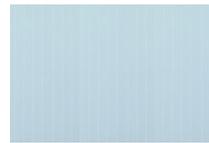
Standard Black



Standard Black  
(With Acid Edge)



Anthracite



White



Polar White



Lime White



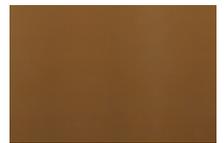
Grey



Polar Grey



Clay



Ocher



Sand



Terracotta



Corten Steel



Coral Brown



Marble Brown



Deep Blue



Blue



Green



Intense Green

In partnership with

