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AmeriLux News



Polycarbonate Equipment Screen "Modern Aesthetic Appeal"

Located in Santa Clara, California, the River of Life Christian Church recently expanded its church facility to accommodate its growing congregation. The 30,000 square-foot-addition includes a new lobby and a 2,000-seat sanctuary.

One of the design elements of the River of Life project is a translucent polycarbonate equipment screen. Screen enclosures are often used to hide rooftop mechanical equipment, improving the buildings overall aesthetic appearance.



The general contractor overseeing the project turned to the expertise of [RoofScreen Manufacturing](#) located in Santa Cruz, California. "The equipment screen was designed by the architect and structural engineer on this project," explained RoofScreen Operations Manager, Kristina SanSo. "The GC came to us asking if we could provide the specified panels as well as installation."

The screen design follows a curve at

Featured Product LEXAN™ 16mm 3-Wall



LEXAN™ THERMOCLEAR™ 16mm has three walls and two "air-trapping" layers, increasing its thermal insulation properties and its ability to withstand higher wind and snow loads.

This multiwall polycarbonate sheet is UV protected on both sides, delivering long-term weather resistance. Installation mistakes are also minimized since either side of the sheet may face outwards.

LEXAN THERMOCLEAR is a trademark of SABIC

[Product Brochure](#)

Ask the Tech Expert



Q. How should you store and handle Polycarbonate and PVC panels during the winter months?

A. Panels can be stored outside temporarily in the rain or snow. Stack panels on a raised platform protected from the wind. Even though the sun's



the top to achieve a specific 'flow' and is lit from below. The material specified by the architect was a 16mm 5-wall X-structure panel. Multiwall polycarbonate offers

high stiffness, light weight, translucency, ease of fabrication, and UV protection on both sides, making it a good choice for this type of mechanical screen.

"All of the panels had to be cut with a specific radius. They needed to fit together just right and follow the radius and wave specified by the Architect," explained Kristina.



"Installation was actually very easy and went very fast. These panels were easy for our installer to cut and install. The base and cap system worked great and made install a breeze!"

When asked if they would consider using polycarbonate panels in future projects, Kristina had this to say: "We would. Although polycarbonate panels do not match the spanning abilities of the metal ribbed panels we typically use, they do have a unique aesthetic that metal cannot match. Now that we know the specific needs of these panels and their attachment method, we can propose these on future projects if they fit the look our customer is going for."

[Additional photos of the River of Life Christian Church can be viewed by clicking on this link.](#)

strength decreases during the winter, do not expose stacked panels to direct sunlight. Cover panels with an opaque, protective material.

Prior to installation, bring panels inside, lay flat (uncovered), and allow panels to adjust to the temperature of the room for a period of at least 48 hours.

[More FAQ's](#)

DIY Tip of the Month "Defining Spaces"



Room dividers or wall partitions are a great way to define a space.

Polycarbonate has many attractive qualities that make it a good material choice for a partial wall, folding screen, sliding door, or a hanging room divider.

- Lightweight
- Translucent
- Highly Durable
- Easily Fabricated
- Printable

Interested in using polycarbonate for your next project? Please contact a friendly member of the A-Team today for more information.

Company Highlights

Meet the A-Team | Lauren Chamberlain

Shortly after joining AmeriLux in the Fall of 2018, Lauren Chamberlain, who has a background in HR, transitioned into the role of Human Resources Manager.

As the company's HR Manager, Lauren oversees all areas of human resources including benefits administration, on-boarding new hires, developing and updating policies, and facilitating leadership and organizational development.

"I truly enjoy helping people, which is something that I love about this role. I get to help people in various ways, and ultimately, I think my whole purpose as an HR Manager is to do just that." Lauren smiles and goes on to say, "Sometimes it is simple, such as



"My first impression of AmeriLux was that it was a very flexible place to work. The focus was on getting

submitting insurance paperwork or answering a benefits question; other times, it is more involved, such as taking on leadership and organizational development initiatives. All of these things are about helping people, and that is very fulfilling for me!"

Fun Fact: Lauren was an Arabic linguist in the Army. She spent fifteen months in Monterey, California learning the language.

the job done. If you wanted to start your day early so that you could finish early, that was ok."

Links of Interest:

- [Nine striking examples of public and commercial structures featuring polycarbonate panels](#)
- [Translucent polycarbonate wall brings diffused daylight into this reimagined Victorian home.](#)
- [The 2018 AJ Architecture Awards 'Leisure Project of the Year' winner is clad with monochrome polycarbonate.](#)

AmeriLux International | AmeriLux Logistics
Phone: 920-336-9300 or 888.602.4441
Email: info@ameriluxinternational.com
Website: www.ameriluxinternational.com

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