

May, 2019

## AmeriLux News



### Polycarbonate Retractable Roof "Function Meets Visual Appeal"

Built in the early 1970's, Adventureland Park is a fun-for-all-ages amusement complex located in the central part of Iowa.

Within walking distance of the theme park, is the Adventureland Inn: A full-service hotel constructed in 2001 featuring rooms that surround a central courtyard with a fantastic pool area.

It was important to the design of the hotel that the courtyard area be a space that could be enjoyed all year round.

However, the climate in Iowa is not always favorable, particularly in the winter months. The resort worked directly with OpenAire\* to make their vision of a weatherproof indoor/outdoor space a reality. The solution: A custom retractable roof system!

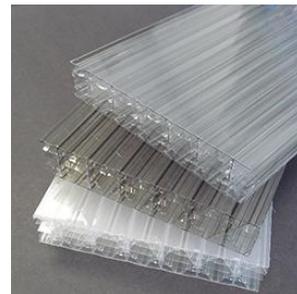


The motorized, retractable roof enclosure is approximately 140 feet by 70 feet, opens with the push of a button, and includes a rain sensor that closes it at the first sign of inclement weather.

The all-aluminum frame is covered with multiwall polycarbonate glazing. Because cost is a major factor with large roof spans, glass was simply

### Featured Product

**LEXAN™ THERMOCLEAR™ 25mm 5X**



A member of the LEXAN™ THERMOCLEAR™ product portfolio, the 25mm 5X sheet offers remarkable impact strength. The X-structure allows for longer spans and needs less support than thinner gauge panels, saving on both labor and material costs.

The cellular construction of this polycarbonate sheet traps a great deal of air between its five walls, leading to excellent thermal insulation performance and increased energy efficiency.

The 25mm 5X sheet is also UV protected on both sides. This feature minimizes installation mistakes and delivers long-term weather resistance.

AmeriLux stocks the LEXAN™ THERMOCLEAR™ 25mm 5X sheet in Opal (49% LT), Clear (57% LT), and Bronze (50% LT).

[Product Brochure](#)

**Ask the Tech Expert**

cost-prohibitive. Approximately fifty percent of the polycarbonate roof is open when fully retracted.



Since that initial project, OpenAire has maintained a long-term relationship with the resort, providing service to the retractable roof through their full warranty and as a preferred

vendor. Most recently, OpenAire was hired to replace and upgrade the retractable roof's glazing.

"As the poly fits seamlessly into the OpenAire custom extrusion system, we were easily able to replace the polycarbonate panels with little to no impact on the operation of the facility," explained Nancy Patterson, Director Design and Business Development at OpenAire. "We simply took off the caps and inserted the new material."

The original glazing was replaced with 25mm Blue 5X-Wall polycarbonate panels.



The translucent blue color helps decrease the amount of heat and UV light transmitted during the hot summer months while still letting in plenty of natural light.

"The client really likes the bright blue color," Cathy Cleland with OpenAire added, "as this is part of a larger resort with a huge outdoor waterpark full of brightly coloured slides and play structures."

In addition, the cellular structure of the 25mm 5X-Wall panel met the engineering load requirements of the site and has the durable strength to best perform against the tough Iowa weather.

"We have been very pleased with the overall look and performance of the polycarbonate," said Joseph Formaro, General Manager of Adventureland Resort.

[\\* Headquartered in Oakville, Ontario, Canada, OpenAire is the world's premier designer, manufacturer, and installer of custom retractable roof enclosures and operable skylights.](#)

*Photos courtesy of OpenAire.*



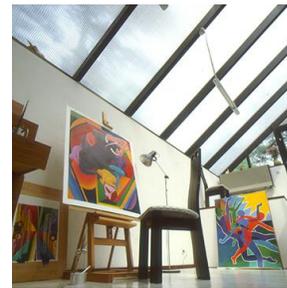
**Q.** What causes the formation of condensation within the walls of a multiwall sheet?

**A.** There are many environmental factors that can cause condensation to form in the flutes, including temperature changes and humidity conditions. The effects of excess moisture within a multiwall sheet are minimal, only temporarily reducing light transmission and clarity.

To minimize condensation build-up, seal the top edge of the sheet with an aluminum tape. This will help prevent moisture from entering the flutes. On the bottom edge, use a vent tape so the flutes can breathe. The air movement will allow moisture to drain out of the flutes.

[More FAQ's](#)

## DIY Tip of the Month "Maximize Natural Light"



There are many benefits to increasing the natural light in your home or workspace.

Well-designed daylighting not only saves money on energy bills but also increases mental and physical well-being.

Daylighting Benefits:

- Increases Productivity
- Enhances Concentration
- Lowers Energy Costs
- Reduces Fuel Consumption
- Boosts Mood/Immune System

*Need help choosing the right glazing product for your next project? Call 1-888-602-4441 today and speak with a knowledgeable A-Team member.*

# Company Highlights

## Meet the A-Team | Tim Sausen

Tim Sausen joined the AmeriLux Logistics Division this past January. During his interview for a full-time driver position, Tim discovered there was a need for someone to do both dispatch and drive. According to Tim: "It was one of those meetings where we didn't realize where it would take us, but it turned out to be a win-win for both of us."

As an Account Manager, Tim's role includes dispatching AmeriLux trucks and, as needed, filling in as a driver for AmeriLux Transportation. The biggest challenges in his current role have been coming up with systems for dispatching and learning what it takes to support the drivers.

When asked what the future holds for the Logistics Industry, Tim had this response: "Logistics trends are constantly changing and as long as we have a strong economy, products will need to be moved." He added, "Technology is playing a huge part with the planning, managing, and moving freight. And... that's not about to change!"

**Fun Fact:** Tim enjoys cooking, grilling, smoking, and all of the gadgets that go along with it.



*"My direction has always been to solve the customer problems and stay ahead of their needs. Because I was a driver and saw what happened outside of the office, it's been a great challenge to learn planning and supporting drivers from inside."*



## May's Brand Ambassador

Congratulations to Cody Potts for being nominated this month's Brand Ambassador! Cody is being recognized for exemplifying the AmeriLux core value statement "Make a Play".

*"Individuals are responsible for making their own decisions. But I think this statement speaks from a team-oriented focus. From my experience, I've always relied heavily on the knowledge and expertise of my team members. It is with their help and guidance that I am able to*

*make well-informed decisions that have a positive impact on the day-to-day operations at AmeriLux." – Cody Potts, Distribution Center, Retail Area Leader*

TO LEARN MORE ABOUT HOW WE SUCCEED AT AMERILUX, [CLICK HERE](#)

## Links of Interest:

- [At the heart of the Lobbs Café in Melbourne, Australia is a service counter clad in corrugated polycarbonate sheets.](#)
- [The boom of skyscraper construction over the last decade has reduced the levels of natural light in and around them.](#)
- [Social housing upgrade in France included cladding the new facades with corrugated polycarbonate panels to increase natural light.](#)

*AmeriLux was named a Constant Contact All Star for 2018. A big "Thank you" to all our subscribers for being part of our monthly newsletter community!*

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