



LIBERTY ELECTRIC PRODUCTS

As building design adapts and changes to meet the challenges of a world in climate change and our availability of skilled labor has also declined, the need for logical, high-value, and easy-to-install solutions has never been more important. Liberty Electric Products has helped architectural and engineering specifiers meet these challenges with expert product knowledge, service, and more than a thousand successful jobs over our 34-year history. Please take a look at some of our specific product and application solutions and contact our team to learn more.



Low Voltage Comfort Heating & Snow Melting

Our STEP Warmfloor system can provide primary or secondary interior heating comfort, can be used under roofing materials, or embedded in concrete to melt snow using 240V or 120V AC circuits, or, direct (DC) photovoltaic power. It does not need to pass through an inverter.

This incredibly flexible and thin homogeneous polymer is self-regulating and has a service life expectancy of well over 30 years (warranty 20 years) and is incredibly easy to install. STEP has recently developed a seamless switch to go between DC photovoltaic power during the day and when the sun's out to using the building's AC circuits if needed after sunset if the system has no storage capacity.



STEP's heating element can be screwed, nailed, stapled through with non-ferrous fasteners, and also doesn't require GFI code compliance. Simple wiring connections and a single point of control.



STEP heating elements also protect roofs and the building interior from water damage, along with providing safe walkways and keeping damaging salt out of the building. STEP systems can save up to 66% more electrical costs vs. industry standard electric melting cables.

Air Curtains and Environmental Containment

An air curtain is a machine that blows a controlled stream of air across an opening to the other side to create an air seal. This seal separates different environments while allowing a smooth, uninterrupted flow of traffic and unobstructed vision through the opening.

By containing heated or conditioned air, they provide sizable energy savings and increased comfort when applied in industrial or commercial settings. They also help to stop the infiltration of pollutants and flying insects.

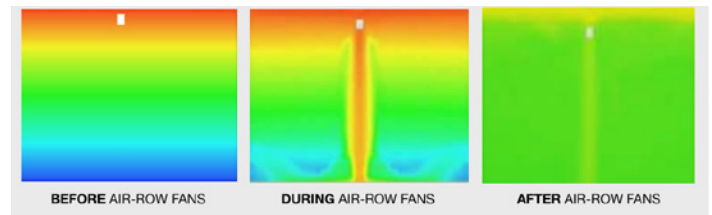


Meet building codes (ASHRAE Standard 90.1-2019, IECC, IgCC) for main entrances with AMCA NSF/EPH Certified Berner Air Curtains.

- Fully assembled when they ship.
- Mount and connect power/heat- simple, effective, lasting efficiency gain.
- Covid-19 package also available, featuring ionization and MERV 8 filters.

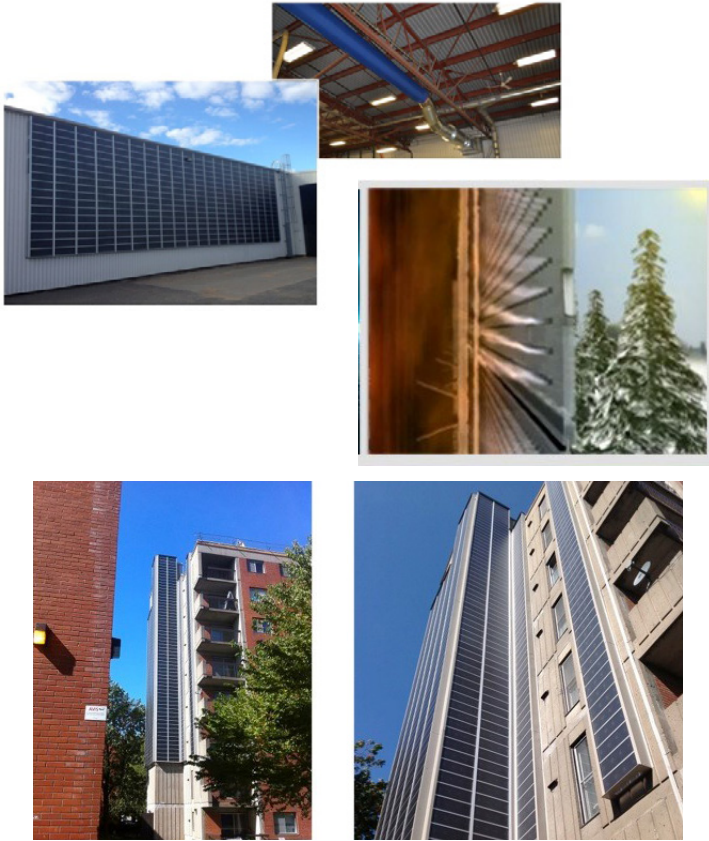
Air Destratification Fans

Air “stratifies” into layers of warm air near the ceilings of any interior room when air circulation is low or not affecting the warmest layers. Cold, dense air pushes warm air upwards past the room’s thermostat and it signals for more heat. The warmest air near the ceiling is often +15-20F higher vs. temps from 3-6’ from the floor. Destratification fans are a very simple, low-cost/ high-return equipment that provides years of efficiency and returns with proper sizing and selection.



HVLS fans work great in wide open areas where the air isn’t being deflected. Targeted fans blow a concise column of air, giving precise ceiling to floor performance. In addition to big heating efficiency gains and money savings, other benefits of using destrat. fans include: consistent comfortable temps from feet to head for occupants, prevents condensation, mold and mildew with moving air, and helps dry foyer wet floors.

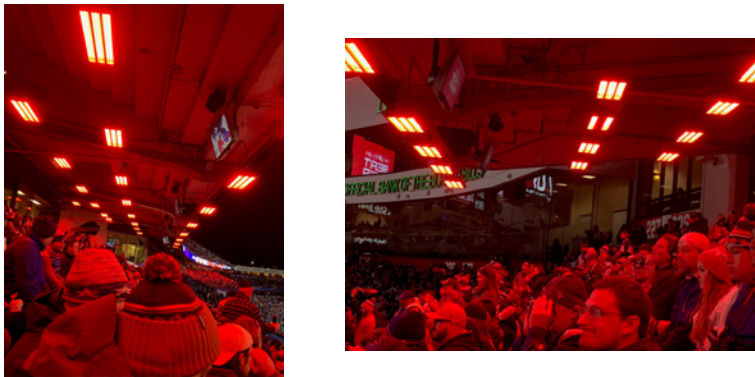
Solar Air Collection Panel



The SRP Lubi Solar Air Collection Panel is an exterior building fascia made up of patented perforated and smoked polycarbonate panels that heat fresh air with up to 80% solar light to heat/air transfer. This year-round performing simple solution can significantly reduce the costs and workload of primary building air systems and increase the amount of fresh air exchanges.

Very easy to mount the rail system and snap panels in. Tie ins to the main HVAC system can be done simply with fabric duct and an EC motorized fans. System can be reversed during warm months to expel warm air out of the building.

Infrared & Radiant Heating/Outdoor Heating



Infrared heating warms objects, not air directly. When an object absorbs enough heat to raise its surface temp. higher than the ambient air temp., the air temp begins to increase. Infrared heat is great for high ceiling and outdoor spaces.

Mounting and wiring is not complex, and modern control systems allow for efficient, high turndown comfort modulation. Building Management System controls monitoring & interface is also available. Adding heat comfort to outdoor spaces can also provide more revenue generating traffic.

