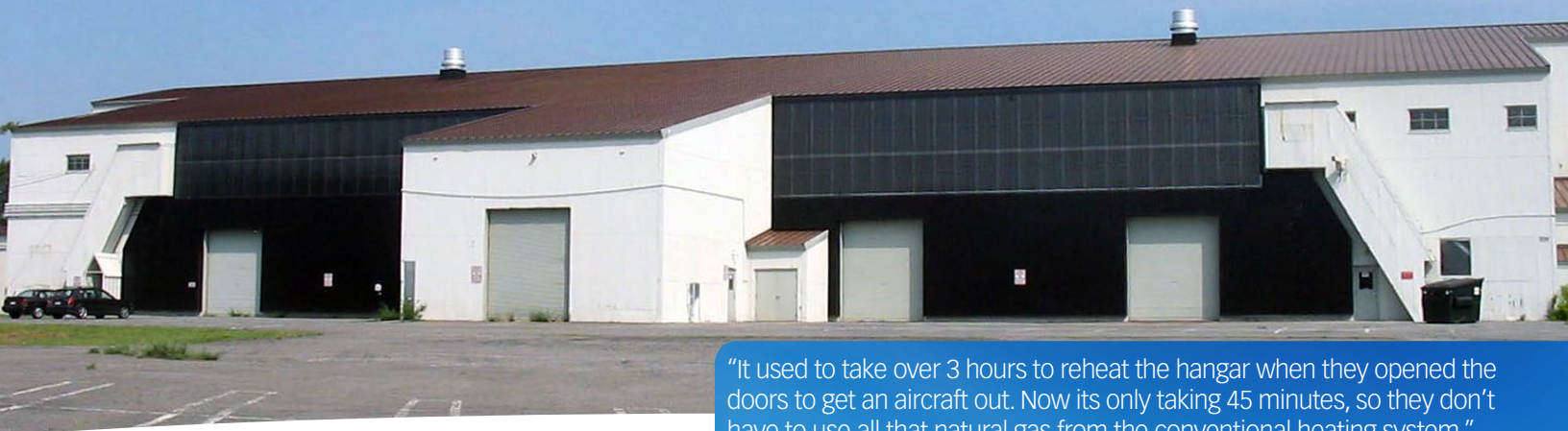


SolarWall® 2-Stage High Performance Solar Air Heating



"It used to take over 3 hours to reheat the hangar when they opened the doors to get an aircraft out. Now its only taking 45 minutes, so they don't have to use all that natural gas from the conventional heating system."
-Tom Long, Airport Manager at Plattsburgh International Airport

The SolarWall® air heating technology has always produced the fastest solar payback on the planet for commercial & industrial buildings due to its high efficiency & low capital costs. It has been primarily used for ventilation heating or process applications, with a consistent track-record of delivering high energy performance in all projects around the world.



Up to 54% More Thermal Energy

Independent testing and field applications have shown that at a wind speed of 7.6 MPH, SolarWall 2-Stage will deliver 54% more energy than a conventional SolarWall system*

* Test Conditions; 1 CFM/ft and 900 watts of solar radiation

Introducing SolarWall® 2-Stage

SolarWall® 2-Stage is the latest version of the SolarWall® technology and it builds on the technological success of the original solar air heating system. SolarWall® 2-Stage has been configured to deliver a higher temperature rise – up to 36-85 °F (20-47 °C) above ambient temperature - which makes it more applicable for space heating applications. It is also ideally suited for windy locations and roof-mount projects where the wind speeds are higher than 7 MPH. [And as the wind speed increases, the energy output of the 2-stage system will continue to increase relative to the conventional SolarWall system.]

It operates on the same premise as the original SolarWall® technology in that outside air is heated and drawn into an air cavity via tiny micro-perforations in the SolarWall collector. With the 2-Stage system, the air is then heated a second time (which boosts the temperature rise) as it passes through a second stage of the system. The solar heated air is then directed into the building's ventilation system - or through a dedicated SolarWall fan & ducting system - where it is distributed throughout the building.

SolarWall®

by Conserval Engineering Inc.

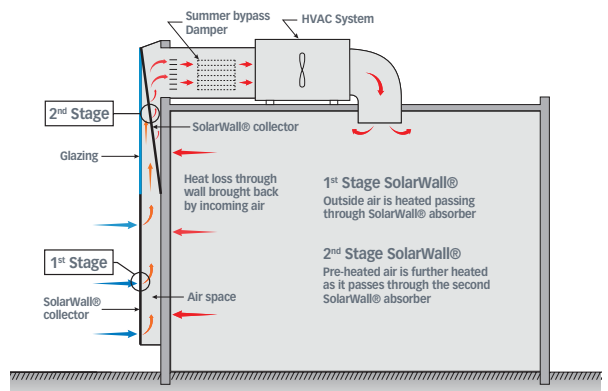
www.solarwall.com

SolarWall® 2-Stage High Performance Solar Air Heating



Features & Advantages

- Higher energy output that substantially lowers heating bills
- Delivers significantly more thermal energy (up to 50% more) than a conventional low-flow SolarWall® system
- Heats air 36-85 °F (20-47 °C) above ambient on a sunny day
- Maintenance free
- Up to 9+ LEED® Points
- Heats fresh air and improves indoor air quality
- Destratification savings for industrial buildings
- Provides both space heating & ventilation air heating
- Huge reduction in CO₂ emissions
- Building integrated - variety of colors



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