



OPEN STYLE

DUAL ATRIUM

The Best of Both Worlds



Lucas Greenhouses, NJ

THE DUAL ATRIUM

The Dual Atrium is ideal for finish growers who want the best of both worlds — a protected greenhouse environment with outdoor access for crop conditioning. It works well as a passive-cooled house with double the roof ventilation of the Vail Atrium. Unique roof vents open upward and outward for air removal and to prevent heat build-up for optimal air mixing without crop stress. Crack the vents during storms without fear of rain getting in the house. With ample light for crops, the Dual Atrium is a great choice for multi-tier production.



Goodmark Nurseries, IL



Lucas Greenhouses, NJ

Get to Know the Dual Atrium

- ✓ One-piece factory-welded trusses
- ✓ High-strength Tenzaloy column caps and gutter saddles
- ✓ Large walkable gutter for ease of installation of chosen glazing
- ✓ Optional powder-coated frame, flashings, and extrusions available
- ✓ High-strength, double-toothed steel rack arms offer stronger wind resistance
- ✓ Atrium Roof vent opens vertically to 85° to maximize passive ventilation. Patented Nex-Hood for partial roof opening
- ✓ Covering options: Polycarbonate, acrylic, or glass
- ✓ Roof extrusion design with gasketing prevents leaks and channels condensation out of building

Indoor Protection with Outdoor Benefits

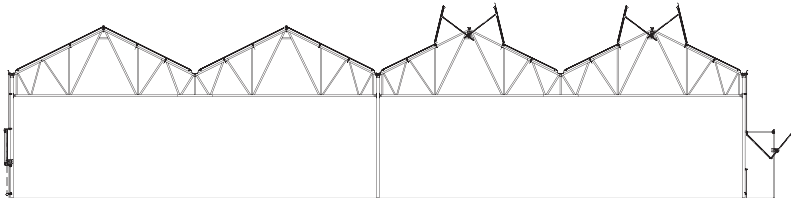
- **Maximize light**
The 42' wide-span two-peak truss design allows for superior light transmission and ventilation.
- **Manage plant growth**
Create a near-outdoor environment for crop conditioning. Easily adjust climate and temperature for crop steering to reduce PGR use.
- **Vent in inclement weather**
Partially open roof for de-humidification with a rain guard and peak gutter that catch precipitation. Rapid roof closure in less than three minutes.

Strength for Peak Performance

- **Handles the weather**
Meets regional wind and snow load requirements.
- **Provides stability in wind**
High-quality, heavier extrusions hold up to strong winds while the vents are open. Added strength at crucial stress points in windy conditions with double-tooth steel rack arm.
- **Operates in winter conditions**
Roof vents hinge halfway up roof slope for ventilation even with snow or ice build-up in the valleys.
- **Lasts for generations**
Triple-galvanized U.S. square steel for strength and longevity. Aluminum extrusions and flashing for a long-lasting clean finish.

Adaptability at Its Core

- **Integrate overhead equipment**
Exposed truss bottom cord, even with a flat shade system installed, allows for multiple types of overhead equipment (e.g., heaters, fin-tube, basket systems, irrigation, supplemental lighting, etc.)
- **Boost curb appeal**
Great option for year-round passive retail ranges in more temperate climates. The Dual Atrium's impressive dominating profile from a distance demands attention from street traffic.



CAD Drawing shows edge vents (left), double atrium vents (right), and swing out vents (right).

DUAL ATRIUM SPECIFICATIONS

- Standard widths: 42' spans
- Standard gutter heights: 10'-16'
- Roof vent opens vertically to 85°
- Bay Spacing: 10', 12'
- Load ratings: 20 psf+
- Non-standard heights and loads available upon request

Side ventilation option: The EDDG vent is a drop-down exterior guillotine vent that allows for the option of having a clear vent opening incremented to the desired dimension. You can cover the EDDG Vent with glass, or single or double-wall polycarbonate.

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