

FLORICULTURE VENLOS
VENLO PRO



PROSPIANT
Prospiant.com

EXPERTISE YOU CAN TRUST, CAPABILITIES YOU CAN COUNT ON

THE POWER BEHIND PROSPIANT

With more than 170+ years of combined experience and thousands of successful projects behind us, we bring unmatched expertise in greenhouse design, engineering, manufacturing, construction, and long-term service.

Our team has helped the most successful growing operations across North America operate more efficiently and with greater confidence by delivering the highest quality, best-crafted, and most reliable greenhouse structures and systems in the industry.

More than 10,000 growers and researchers have trusted us to deliver greenhouse solutions that perform—season after season.

LET OUR EXPERIENCE BE YOUR ADVANTAGE.



DESIGN

- ✓ Design and Consultation Services
- ✓ In-house engineering for all disciplines
- ✓ Value Engineering



BUILD

- ✓ Engineering
- ✓ Structure, Glazing, and Screening
- ✓ Site Development



INTEGRATE

- ✓ Climate Control Systems
- ✓ Automation and Growing Systems
- ✓ Heating and Cooling Systems
- ✓ Irrigation and Sterilization Solutions



OPERATE

- ✓ Operations and Maintenance
- ✓ Ongoing Support, Training, and Education

MAXIMIZE GROWTH, MINIMIZE COST

A state-of-the-art Venlo greenhouse from Prospiant combines classic design with superior performance in North American growing environments.

The Venlo's efficient design maximizes light transmission, provides excellent ventilation, and lowers square foot costs, making it ideal for large growing operations.

Plus, with endless customization options, we can design the perfect Venlo for any crop or growing system.

EXPERIENCE THE VENLO PRO EDGE

- Maximize light transmission with glass roof system
- Enhance ventilation and maintain climate uniformity with increased floor-to-vent space
- Grow a variety of crops, both on the ground and overhead
- Choose from versatile cladding options for added flexibility
- Ensure stability with engineering for high winds and heavy loads
- Prevent crop damage with condensation gutter channeling
- Choose mechanical ventilation with pad and fan cooling or passive ventilation with high pressure fog
- Optimize space with fewer structural columns
- Get custom sizes, gutter heights, bay spacing, and layouts tailored to you



GET TO KNOW THE VENLO PRO

- ✓ Versatile cladding options for different crop requirements (polycarbonate, glass, insulated metal panels)
- ✓ Hot-dipped galvanized North American square steel
- ✓ Heavy-duty aluminum glazing system
- ✓ Single-piece factory-welded energy trusses
- ✓ Insulated aluminum gutters suitable for roof washing equipment and chalk machines
- ✓ Single or Double Shade/Energy Curtains
- ✓ Optional: powder-coated frame, flashings, and extrusions
- ✓ Optional: direct and indirect drive roof vents
- ✓ Optional: insect-screened roof vents

Standard Specifications

- Widths: 8 and 12 meters (26.24' and 39.36')
- Gutter height: 7.3 m (24')
- Bay spacing: 4 m (13.12')
- Load rating: up to 30# roof
- Non-standard sizes available upon request
- Built-In Drainage System: Downspouts run inside the posts of the greenhouse to divert roof water for stormwater collection.
 - Efficiently handles large volumes of water
 - Keeps excess water from spilling off the roof
 - Eliminates external pipes for a cleaner look



ONE SOURCE FOR ALL YOUR VENLO NEEDS

At Prospiant, we make every aspect of your Venlo greenhouse work smarter for you.

From custom heating and irrigation designs to install, everything is handled in-house—no need for multiple vendors.

Our in-house design and engineering team tailors solutions based on crop, location, climate, and growing methods. With integrated climate, energy, and irrigation systems, we cut manual processes, boosting efficiency and consistency.

The result? Better crop quality and higher yields.



SYSTEMS AND EQUIPMENT



PERIMETER HEAT PIPE



BOILERS AND CO₂ RECOVERY

Warehouse Spaces

We design and build wide-span warehouse spaces for headhouses, staging/packing, shipping docks, and corridors to connect to your grow facilities.

- Up to 20-meter truss spans minimize columns
- Large, open layouts for flexibility
- Insulated, climate-controlled areas ensure worker comfort and protect stored goods

Custom Engineering

We design growing systems and Venlo structures for any crop to meet your cultivation needs.

- Water Treatment and Irrigation Delivery
 - ▣ Ozone, UV, and filtration
 - ▣ Water storage
 - ▣ Fertigation
- Flood Floors
- Basket systems
- In-floor radiant heating
- Perimeter/snowmelt heating



IRRIGATION



FLOOD FLOORS



HANGING BASKET SYSTEMS



WATER MANAGEMENT



WE DESIGN, MANUFACTURE, AND BUILD GREENHOUSES



Contact us to purchase

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