



# COMMERCIAL GROW SOLUTIONS

Design to Install, We Handle It All



# EXPERTISE YOU CAN TRUST. CAPABILITIES YOU CAN COUNT ON.

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Prospiant delivers the expert touch your business demands. With three legacy greenhouse companies including Rough Brothers, Nexus Greenhouse Systems, and ThermoEnergy Systems, united under the Prospiant name, we have unmatched greenhouse manufacturing, design, engineering, construction, and maintenance capabilities. Our end-to-end expertise is backed by more than 150 years of combined experience in the industry, so you can trust us to deliver the results you need. Don't settle for less. Choose Prospiant and leverage the power of true greenhouse expertise for your business.



## Proven Track Record of Success

- 10,000+ customers
- 3,000+ completed projects

## Powered by Qualified In-House Talent

- Comprehensive engineering, including structural and MEP
- Experienced OSHA 10/30 certified project managers
- Extensive installer network
- Licensed in 50 states and Canada (engineering and general contracting)

## Local Manufacturing in North America

- Multiple manufacturing facilities across U.S. and Canada
- National Greenhouse Manufacturers Association member



# END-TO-END GREENHOUSE SOLUTIONS UNDER ONE ROOF

Your business is unique, and so are your greenhouse needs. At Prospiant, we get it. We offer a diverse range of products and services, including every type of greenhouse structure available on the market. With such extensive capabilities, we're confident we can provide you with the perfect solution.

But we don't just stop at the breadth of our offerings. We go beyond, customizing your greenhouse project to fit your specific needs. Prospiant doesn't just sell greenhouses—our team of experts works closely with you from start to finish to ensure your greenhouse performs at its absolute best.



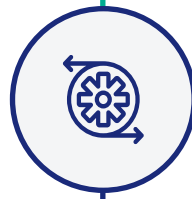
## DESIGN

- ✓ Design and Consultation Services
- ✓ In-house structural and mechanical engineers
- ✓ Value Engineering



## BUILD

- ✓ Engineering
- ✓ Greenhouse & Indoor Grow
- ✓ Site Development



## INTEGRATE

- ✓ Control and Zoning Systems
- ✓ Automation and Growing Equipment
- ✓ Heating Systems



## OPERATE

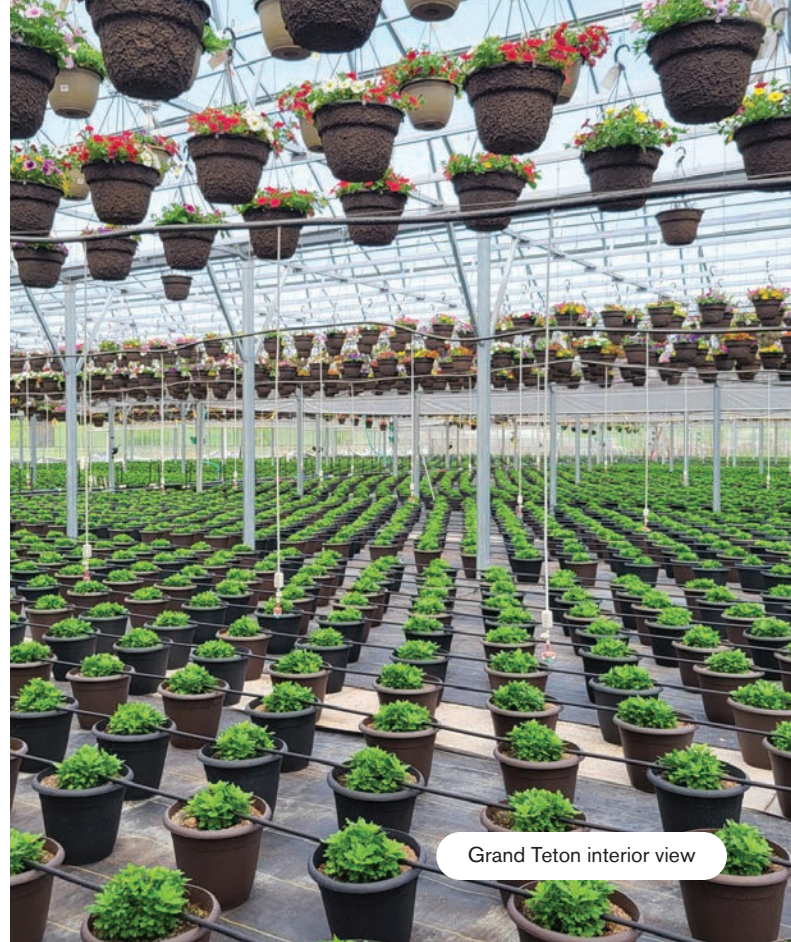
- ✓ Operations and Maintenance
- ✓ Ongoing Support, Training, and Education



# YOUR PARTNER FOR ALL-INCLUSIVE GREENHOUSE SOLUTIONS

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Prospiant is the largest North American provider of complete commercial greenhouses and growing equipment. With a comprehensive suite of greenhouse structures and services, we meet all your greenhouse needs.







Flat Shade structure



Vail Greenhouse



Dual Atrium Greenhouse



Venlo Greenhouse





Hicks Nursery, NY



Lucas Greenhouse, NJ



Meiring Greenhouse and Farms, MI

## VAIL

The Vail is the undisputed workhorse of the Prospiant family, combining high-performance strength and unmatched versatility in one multi-purpose package. This tough greenhouse has a variety of uses for crop production, retail, shipping, headhouses, and more. It is also durable enough to handle high wind, heavy snow loads, and even seismic activity, giving you the peace of mind that your crops have the best protection possible.

## 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.

## VENLO

The Venlo greenhouse is a great choice for large commercial operations, offering optimal light transmittance and exceptional ventilation. It features a high light transmitting tempered-glass roof and a truss design that accommodates energy/shade curtains, growing systems, and more. Alternating skip vents allow for the release of heat and humidity at a controlled pace.



Young's Plant Farm, AL

## OPEN ROOF

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The Open-Roof greenhouse provides a protected environment with easy outdoor access for crop conditioning and steering. It has excellent ventilation with a unique roof design that features full vertical vents that pivot at the gutter sides for 86° natural ventilation with the roof fully open, or partial roof opening during bad weather.



## GRAND TETON

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The Grand Teton is a great production greenhouse with high overhead clearance for hanging baskets and equipment. This house is the perfect solution for growers seeking a pad-wall and fan style growing environment, or for those who want to start with a poly-film covering and later convert to a rigid covering without major renovations.



Olson's Greenhouse, UT

## WINDJAMMER

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The Windjammer is a versatile ground-to-ground, freestanding greenhouse perfect for finishing and multi-tier production. Use it as a standalone house or add double-bolted ground stakes and heavy-gauge, easy walk-in gutters for an alternative to "traditional" gutter-connected designs where building permits are not required.





Red Oak Greenhouse, IA

## MULTI-PEAK POLYARCH

Whether used for production or retail, the Multi-Peak Poly-Arch greenhouse offers maximum airflow and cooling. A large, continuous ridge vent runs the full length of the house to allow trapped air to escape. The structure accommodates passive and/or mechanical ventilation and is an obvious choice for large-scale facilities that require a controlled growing environment for production.



Rivendale Farm, PA

## ZEPHYR

The Zephyr is an ideal choice for natural ventilation and dehumidification. Its curved roof shape and peak vent allow heat to escape from the top of the house, eliminating the need for exhaust fans and vents, even with the gutters full of snow. Sidewall heights leave ample room for equipment such as booms, shade systems, and hanging baskets. The curved truss design gives you the flexibility to start with a poly-film covering and retrofit to a hard covering later.



Elm Avenue Greenhouse, CO

## COLUMBINE

The Columbine is a durable ground-to-ground house ideal for winter greenhouse protection, early spring starts, and inexpensive greenhouse expansions. This freestanding structure is competitively priced and easy to assemble. With up to 12' peak height, many growers use Columbines for multi-tier production with hanging baskets overhead and flats or containers below and along the sidewalls.



## SYSTEMS INTEGRATION DELIVERS ULTIMATE CONTROL

Our in-house design and engineer experts consider factors such as crop, location, climate, production needs, and growing style to recommend an integrated greenhouse design to suit your unique needs. By seamlessly integrating automated systems, we enhance control and efficiency to help you optimize your climate, produce high-quality crops, and maximize your throughput and profits.



Large hydronic heating system with CO<sub>2</sub> recovery



Rolling benches increase space efficiency



Curtain system in retail setting

### Environmental Control

The environmental controller is the most important labor-saving and energy-efficiency tool in your greenhouse. It not only monitors and adjusts the growing conditions, but also ensures all integrated systems work together effectively to help you consistently maximize your production efficiency.

### Heating and Cooling

With today's higher energy costs, you need to maximize heating and cooling efficiency. Temperature also influences plant growth and development, making it a valuable production tool to manipulate for crop steering.

- Overhead heating
- Hot water/hydronic heating
  - Boiler CO<sub>2</sub> recovery
- Fan/pad cooling
- High-pressure fogging

### Water Management

Effective irrigation and water management streamlines your operating costs, saves water, and boosts crop quality and yield. When selecting a watering system, it's important to match the delivery method to the needs of your plants and consider the potential impact on the greenhouse environment.

- Boom
- Drip
- Flood/Floor
- Recirculation

### Benching

A well-designed benching layout allows you to get the most out of your available space, resulting in increased productivity per square foot. Benching reduces the physical strain on workers and reduces the labor required for moving plants. It also facilitates better air circulation to improve plant health, particularly at the root zone.

- Rolling
- Stationary
- Palletized
- Flood trays
- Porous plastic
- And more

### Curtains

Curtain systems boost greenhouse efficiency by providing additional insulation or shade to help reduce energy costs. They assist with climate management and help facilitate light regulation and distribution to support healthy crop growth.



# NOTES



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# PROSPIANT

## EXPERIENCE THE POWER OF OUR EXPERT TEAM IN ACTION

Prospiant has a strong legacy, built on the foundation of three industry-leading brands, including Rough Brothers, Nexus Greenhouse Systems, and ThermoEnergy Solutions. With more than 150 years of combined expertise in greenhouse manufacturing, design, construction, and integration, our employees support customers in the commercial floriculture and nursery, retail, institutional, produce, and cannabis markets.

- ✓ **Design and value engineer your project**
- ✓ **Build with local manufacturing and general contracting**
- ✓ **Integrate the perfect growing environment**
- ✓ **Operate your facility in optimum condition**

## Contact us to purchase

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