

Stuppy Greenhouse

Greenhouse Design, Manufacturing & Construction



Deep experience, quality design and reliable manufacturing.

Stuppy is a greenhouse structure and growing systems company that you should get to know. When you do, you'll see that we know growing, and we know growers. That's how we are able to offer the quality products you need and the excellent customer service you deserve. Located in the Midwest, Stuppy Greenhouse has built a team with the knowledge and experience it takes to meet the needs of customers like you. We know that details matter. That's why we strive to provide exceptional design and fabrication services, the most precise and complete drawings in the business, and reliable order fulfillment. Our versatile greenhouse designs can be built to spec for every sector of the industry.

A history of commitment

For 150 years Stuppy has been supplying quality products and building strong relationships with growers. Our commitment to customer success means we offer only the best greenhouse structures, growing systems, ventilation and shade products in the industry. Plus, a full spectrum of hydronic heat products in our exclusive Heat₂O line. But we provide more than cutting edge products; we create tailored solutions to meet the unique needs of commercial growers, retail operations and educational facilities all over the country. You can count on it.



Good to know.

Stuppy
GREENHOUSE



Commercial Greenhouse Structures

Custom greenhouses with space to grow

Maximum control over the growing process and environment is essential to the success of any crop, from germinating and producing young plants, to hardening off and displaying plants at retail. Whether you're growing in 2,000 sq. ft. or 1 million sq. ft., our knowledgeable staff will work with you to customize the ideal structure with efficiencies and controls to ensure the success of your crops.

CS3

A traditional "A" frame greenhouse, the CS3 fuses beauty with superior strength and quality construction. Designed for rigid or corrugated metal coverings, it accommodates single or double-roof motorized vents. Standard 12' truss spacing easily houses trolley systems, rolling benches, doors, fans and evaporative cooling installations. Perfect for horticulture and hemp growers, or retail garden centers, the CS3 can be easily adapted to a wide range of standard sizes to suit your unique growing needs.



Rainbow® Plus

Offering versatility for small and large-scale growers, the Rainbow® Plus is an affordable, long-lasting greenhouse. With Rainbow (rounded-arch) or Diamond (peaked-arch) profile options, these low-profile roof lines reduce heated surface area and increase summer cooling efficiency. Direct connection of bows to columns through the Y and L connectors accommodates higher loads. A greenhouse for the toughest weather conditions.

The Rainbow® Plus Transplant is available for growers seeking a wider house with more square footage (standard 35') for seedlings, plugs or transplants.



Rainbow® Super

The 12' or 14' sidewall options of the Rainbow® Super offer maximum space for movement and efficient environmental control. This gutter-connectable greenhouse's flexible design can be tailored to accommodate a wide variety of crops. Strong and durable, this workhorse covers large growing areas, while the option of roof vents and side curtains provide efficient, natural ventilation that is ideal for high volume commercial production.



PowerHouse®

With all-weather strength and versatility, the PowerHouse® was engineered for nurseries and horticulture growers. It is a highly serviceable, efficient and cost-effective greenhouse with a flexible design. Make it a fully climate-controlled greenhouse, or an economical, four-season high tunnel/cold frame, with the strength to protect your crops all year round. Featuring 2.40" O.D. columns and bows that slip together by wedging each column, the free-standing PowerHouse® is easy to construct and eliminates water infiltration into the columns.



Pro-Line Series

The Pro-Line AeroMax® is a flexible Venlo style greenhouse for commercial growers who need maximum lighting, open-roof technology or shade/blackout systems. Perfect for production as well as display and retail, this structure's open roof versatility allows for polycarbonate panel roofing and natural ventilation of your crops.

The Pro-Line Fortress is designed with maximum clearance and sidewall height. The low roof profile is easier to cover and minimizes exposure to wind, reducing heating costs. The frame supports automated screening applications and overhead equipment installations.



Polar Series

Polar and Polar Cub cold-frame greenhouses are the ideal, low-cost solution for over-wintering crops. These structures are a flexible option for nursery growers, functioning as a shade structure or summer storage during the "off-season," while a gothic roof profile will easily shed rain and snow.



MADE IN THE USA

Stuppy greenhouses are engineered and manufactured right here in the USA.

Heat₂O Hydronic Heat

Heat Solutions from the Ground Up

Heat₂O Hydronic Heat is engineered and manufactured in-house at Stuppy and customized to give each grower accurate temperature control. Hydronic heat responds quickly to temperature adjustment; it can be used in different zones throughout a greenhouse and configured to provide root-zone warming from germination to finished plant. Stuppy provides a full range of hydronic heat options to suit every grower's needs.

Bench Heat

Heat₂O-BT

Bench tube heat provides on-the-bench heating options for any grower, from higher seed germination to accelerated rooting in young plant production. Growers can use this flexible system set on 2 or 3-inch centers to create different temperature zones for crops in the same growing environment. Made from high quality, flexible EPDM tubing that withstands UV light, fertilizers and extreme temperatures.



Under-Bench Fin Heat

Heat₂O-UBF

Under-bench fin heat provides radiant heat and natural convection. As water warms the aluminum fins, they radiate a canopy of heat around the bench, enveloping the soil, roots and foliage of the crop. Using water temperatures of up to 230F, under-bench heat distributes evenly and gives you more precise temperature control. With more surface area and a unique wave design, Heat₂O-UBF heat gives off 30% more than typical fin designs, and its lightweight material and rugged construction make installation and configuration easy.



Ground Heat

Heat₂O-GT

Ground tube heating works in gravel, sand or soil to accelerate rooting and plant growth through radiant heat at the ground level. EPDM rubber tubes spaced at 4 to 6-inches generate even heat, providing a flexible and affordable choice for growers. Ground heat offers a wide range of options to increase yields for many growing applications, including the nursery industry, starter houses and for growing vegetables.



Floor Heat

Heat₂O-PT

PEX tube heating offers in-ground radiant heat. Installed directly in the concrete, PEX tube heating is crafted from ultra-durable, cross-linked high-density polyethylene, giving growers and retailers an efficient and cost-effective heating option that will endure the toughest greenhouse conditions. With high corrosion resistance, PEX tube heat resists freeze-breakage, acidic water and scale build-up. Heat plants directly at the root-zone and control multiple temperature zones at once. Perfect for large production facilities and retail garden centers looking to create a comfortable shopping environment.



Heat₂O Hydronic Heat is engineered and manufactured in-house at Stuppy and customized to the needs of each growing operation.

Interior Shade/ Energy Curtains

Designed in-house and manufactured to your specifications, our internal shade systems are easy to install and provide complete truss-to-truss incremental coverage. Interior shades feature a motorized system with controls that operate the curtain based on light level or temperature. Our automated systems typically follow the roof line and are provided as a slope-flat-slope configuration to allow extra clearance for equipment and overall ventilation. With this system, potential energy savings could reach 30% – 40% (depending on cloth type) by closing during the day or at night to conserve energy and reduce heat loss. Our interior shade systems accommodate most interior curtain fabrics, which range from 15% – 70%.



Exterior Shade Cloth

Our durable black, woven or knitted shade cloth is ideal for controlling sunlight, with shade percentages ranging from 30% – 95%. Panels are available in 6', 10' or 12', and can be customized to any size. Brass grommets are spaced according to your needs, and cloth edges can be reinforced to eliminate fraying.



Hydroponics

Hydroponic growing is a reliable, technology-driven method for growers to increase efficiency while reducing crop disease and pesticide use. Greenhouse growers are increasingly turning to hydroponics for faster production and to save on labor, energy and space. If you are looking to create the ideal nutrient environment to elevate crop quality and increase yields, Stuppy can help you design and customize your own hydroponic growing system.

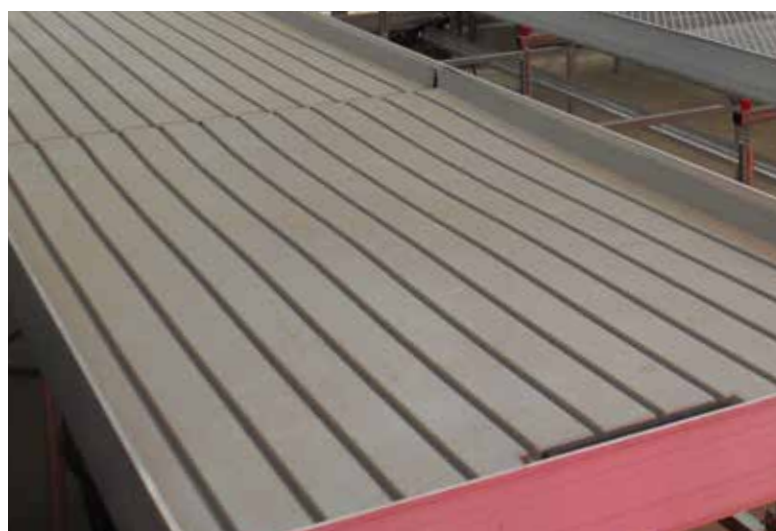
NFT Systems

Hydroponic NFT systems make growing easy by economizing space, maximizing crop propagation and increasing turnover. Our NFT systems stand apart when it comes to quality and dependability, using durable, all PVC-based irrigation and a heavy-duty steel-based frame. Set-up and expansion are engineered to be easy, with premanufactured segments, assemblies and components. Our highly flexible NFT tables are offered as NFT36 or NFT72 and feature an open gutter with spacing that can be tailored or removed to meet the needs of your crop.



Ebb & Flood Systems

With plants immersed directly in the nutrient solution, this system is a simple and effective means of greenhouse growing. Ebb & Flood systems include Lifetime Technical Support, are shipped with a 75-gallon reservoir and contain all necessary plumbing and parts to get you growing.



Bucket Systems

Hydroponic Bucket Systems are ideal for growing vine-type crops, such as tomatoes, cucumbers and peppers. Each system's central reservoir and circulation pump provide water to each bucket between irrigation intervals. Nutrients, pH and EC can be automated with an Autogrow® dosing system.





Greenhouse Equipment

Stuppy partners with the best greenhouse equipment companies in the business. We will work with you to recommend top-quality equipment that fits your growing requirements, including:

- Benching
- Cooling and Ventilation
- Coverings
- Curtains
- Doors
- Environmental Controls
- Heating
- Insect Screening
- Irrigation – Boom, Drip, Flood Floor
- Lighting

Our People and Our Process Make a Difference

Our experienced sales team works with every sector of the growing industry, from the largest commercial growers to retail garden centers, educational institutions and research projects. Plus, we offer design and building services, meaning we can partner with customers from concept to construction and beyond.

This is our process:

DEFINE IT: First, we get to know your business, budget, expectations and desired results.

DESIGN IT: Once we agree to a design concept and cost proposal, we fine-tune and finalize all design details, begin engineering your structure, confirm materials, components and coverings as well as heating, cooling and environmental controls. We coordinate with contractors while our own internal teams work together to review and refine all the details of your project to fit your growing environment.

DO IT: Your greenhouse will start to take shape as soon as plans are approved, beginning with manufacturing and materials procurement, followed by construction, testing and commissioning, owner training and final approval.

CONTINUED SUPPORT: After the project is complete, we support your greenhouse with warranties, maintenance training, parts and technical support, ensuring your success.

Contact us today to learn how we can help you grow.

Good to know.

Stuppy
GREENHOUSE
150
YEARS

800-733-5025 www.stuppy.com