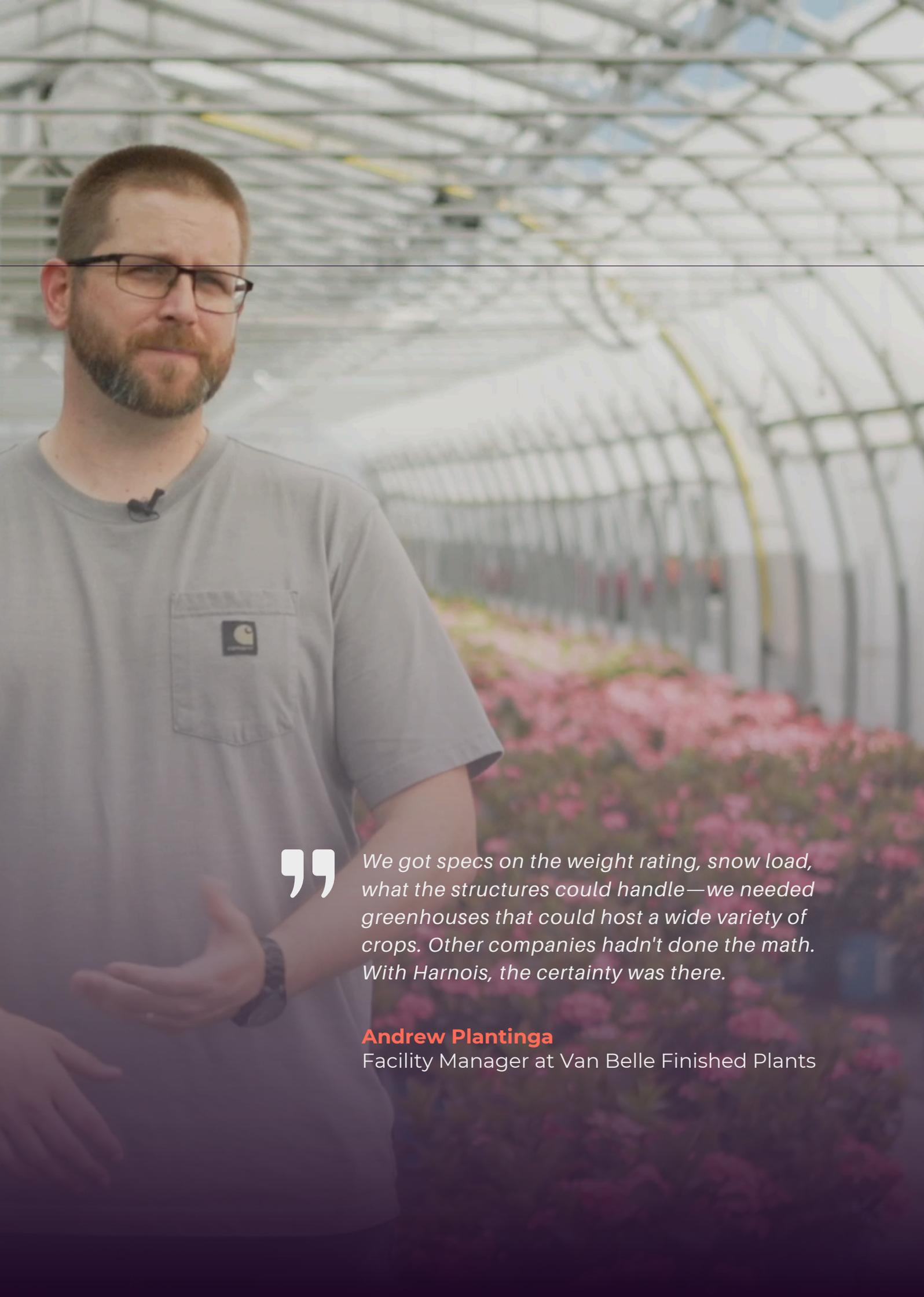


COMMERCIAL GREENHOUSE SOLUTIONS

DESIGNED FOR PREDICTABILITY





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We got specs on the weight rating, snow load, what the structures could handle—we needed greenhouses that could host a wide variety of crops. Other companies hadn't done the math. With Harnois, the certainty was there.

Andrew Plantinga

Facility Manager at Van Belle Finished Plants

OUR COMMITMENT

At Harnois Greenhouses, sustainability lies at the heart of every commercial greenhouse solution we create. We design greenhouses and develop technologies that address today's needs while preparing for tomorrow's challenges. Our solutions minimize environmental impact while maximizing productivity, combining innovative technology with durable materials for long-lasting performance.

REDEFINING THE STANDARDS OF CEA

VERTICAL APPROACH TO INNOVATION

Innovation has been part of Harnois since the 60s. With a complete range of greenhouses from high tunnels to advanced glass structures, we transfer innovations throughout our lineup. What we develop for high-tech models strengthens our entire offering, while practical feedback from the field helps improve even our most advanced systems.



***Our mission:** To enhance predictability, efficiency, and sustainability in agriculture, paving the way for a more resilient future in a controlled environment.*



EVERY STRUCTURE HAS A STORY. LET'S BUILD YOURS.

As a family-owned company, we have built lasting relationships with growers across generations. Many customers still write directly to our owners to share their goals and ideas. **That spirit of closeness defines how we work**, as trusted advisors and technology partners committed to helping you build a greenhouse that truly performs in your climate and for your crops.

FULL-SERVICE PARTNER

As a turnkey provider, we can manage every step of your project, from design and engineering to manufacturing and installation.

INTERNAL EXPERTISE

Our in-house team of engineers, agronomists, and project managers works closely with growers to deliver structures tailored to your crop.

NORTH AMERICAN BUILT

We design, engineer, and manufacture our structures entirely in Canada to meet the demands of North American climates, building codes, and growers.

SERVING DIVERSE MARKETS

We proudly support growers and operations across agriculture, horticulture, research, and commercial production throughout North America.

UNDER COVER. AHEAD OF THE CURVE.

The strength of Harnois' engineering relies on close collaboration between its engineers and an experienced team of horticultural experts. Together, they create specific solutions for each project, balancing the requirements of the projected crop, the site's climate constraints, and the grower's financial expectations.

ROUND CAN'T. SQUARE WON'T. OVAL DOES.

At Harnois, our exclusive oval tube framing isn't just stronger; it's also more durable. Stronger by design, oval tubes allow for fewer arches, less steel, and faster installation; saving you time, labor, and materials.

The result? **A high-performing structure that delivers real-world ROI from day one.**

Stronger by Design

Oval tubes offer superior load resistance with less steel, resulting in increased strength, reduced material usage, and enhanced efficiency.

More Space, More Stability

The wider and taller profile increases internal air volume, helping maintain more stable temperatures for your crops.

Gothic Arch = Peak Light Performance

The optimized roof angle, combined with high-performance polyethylene, delivers up to 90-91% light transmission. The steep slope also helps shed snow efficiently and minimize condensation, protecting both your structure and your plants.

Fewer Arches, Brighter Greenhouse

A stronger tube allows you to space arches farther apart, providing more open growing space and fewer shaded areas.

Longer Cover Lifespan

The smooth, continuous shape of our oval tubing reduces wear on the greenhouse covering, minimizing stress points and extending the lifespan of your film over time.



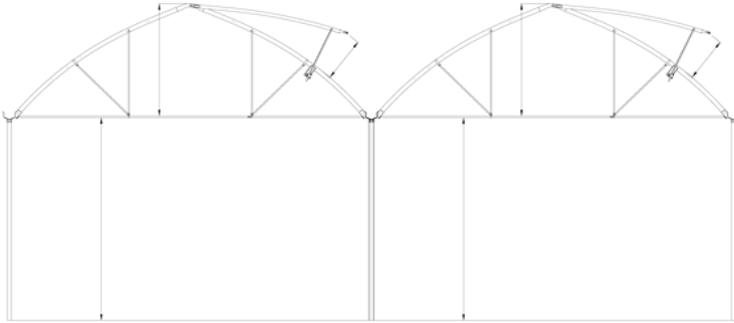
HIGH-GRADE GALVANIZED STEEL

We build all our structures using our exclusive oval steel tubing, made from 50 ksi certified structural steel, which is 52% stronger than standard commercial-grade steel rated at 36 ksi. We also use Galvalume coating, which offers superior corrosion resistance compared to standard galvanization (G90).

Harnois' Oval Tube	A	B	C
	 1 5/8" x 2 3/4" 16 gauge	 2" x 3 9/16" 16 gauge	 2 3/4" x 4 5/16" 14 gauge
Commonly Used Round Tube	 1.90" 14 gauge	 2" 14 gauge	 2 3/8" 16 gauge
Oval vs Round	Oval is 2x stronger	Oval is 3.9x stronger	This tube is in a class of itself; it compares to none! It allows Harnois to design the widest & strongest greenhouses on the market!

POLY GREENHOUSES

GUTTER-CONNECTED



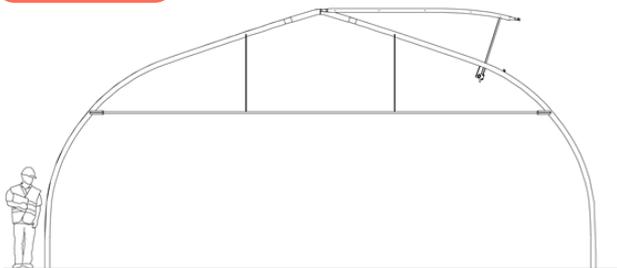
LUMINOSA

- Single peak
- Bay spacing: 21' 4", 24', 25', 26' 3", 28', 30', 31' 6" & 36'
- Standard Gutter Heights: 12' to 20'
- Heavy-duty 3.5-inch-square columns

- ✓ **Advanced Climate Control:** Optimized airflow, higher under-gutter clearance (up to 20'), and gothic peak design ensure better air volume, temperature stability, and condensation control.
- ✓ **Light Transmission & Crop Versatility:** Single-piece oval steel arches maximize natural light and minimize shadowing.

- ✓ **Stamped Plans:** Built to meet local snow, wind, and seismic requirements, and fully compatible with advanced automation systems.
- ✓ **Large Growing Area:** Optimized interior space for maximum crop capacity and continuous, year-round production.

FREESTANDING

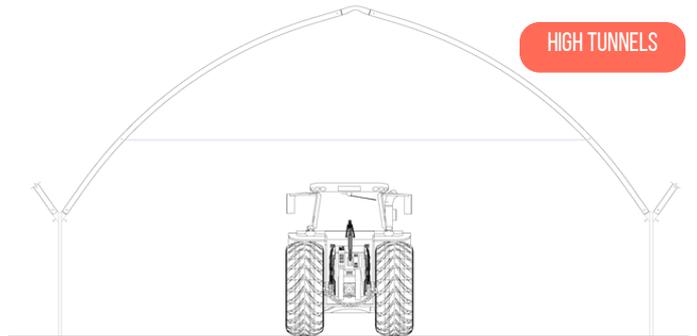


OVALTECH

Widths: 20', 25', 27', 30', 32', 35' & 42'
Snow load: Up to 80 inches
Wind load: Up to 155mph

- ✓ **Stamped Plans:** Designed to meet local requirements for snow, wind, and seismic loads, the Ovaltech greenhouse can be configured for either three-season or four-season use.
- ✓ **Ready to Perform:** Pre-drilled structural-grade steel ensures superior strength and fast installation. Compatible with both anchors and concrete foundations.
- ✓ **Versatility:** Designed for both heated, four-season production and use as a cold-frame structure, offering flexibility for all types of growing operations.
- ✓ **Supported overhead space:** Optional webbed trusses integrated into the bows provide strong, reliable support for hanging baskets or equipment.

HIGH TUNNELS



TUNNELPRO PLUS

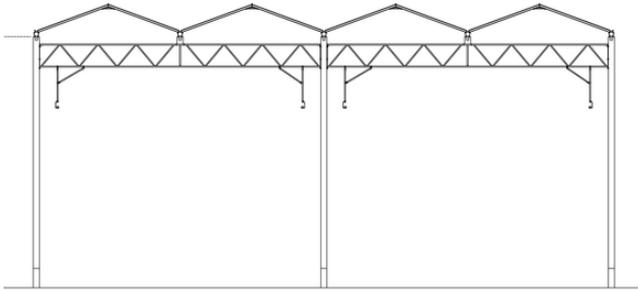
Width: 31'6"
Peak: 18'
Number of tunnels: 3+

- ✓ **Extended growing season:** As a 3-season high polytunnel greenhouse, growers can extend the growing season by up to 3 months.
- ✓ **Better Yield. Better Quality:** Compared to open-field growing, get higher yields, greater crop density, and improved product quality with predictable results.
- ✓ **Better Climate, Healthier Crops:** Reduces moisture to help prevent botrytis, mildew, and other humidity-related diseases, while minimizing scorch, bleaching, and the need for pesticides.
- ✓ **Grow More, Spend Less:** Lowers operating costs by reducing labor and machinery needs, increasing harvest speed by up to 40% with elevated benches, and minimizing the use of phytosanitary products.

Note: Poly film must be rolled up at the ridge during winter in areas where snow exceeds 3 inches.

GLASS GREENHOUSES

VENLO GREENHOUSE



VERMAX

- Bay spacing: 21' 3"
- Gutter Heights: 21' 3" to 26' 3"
- Light Transmission: 98%

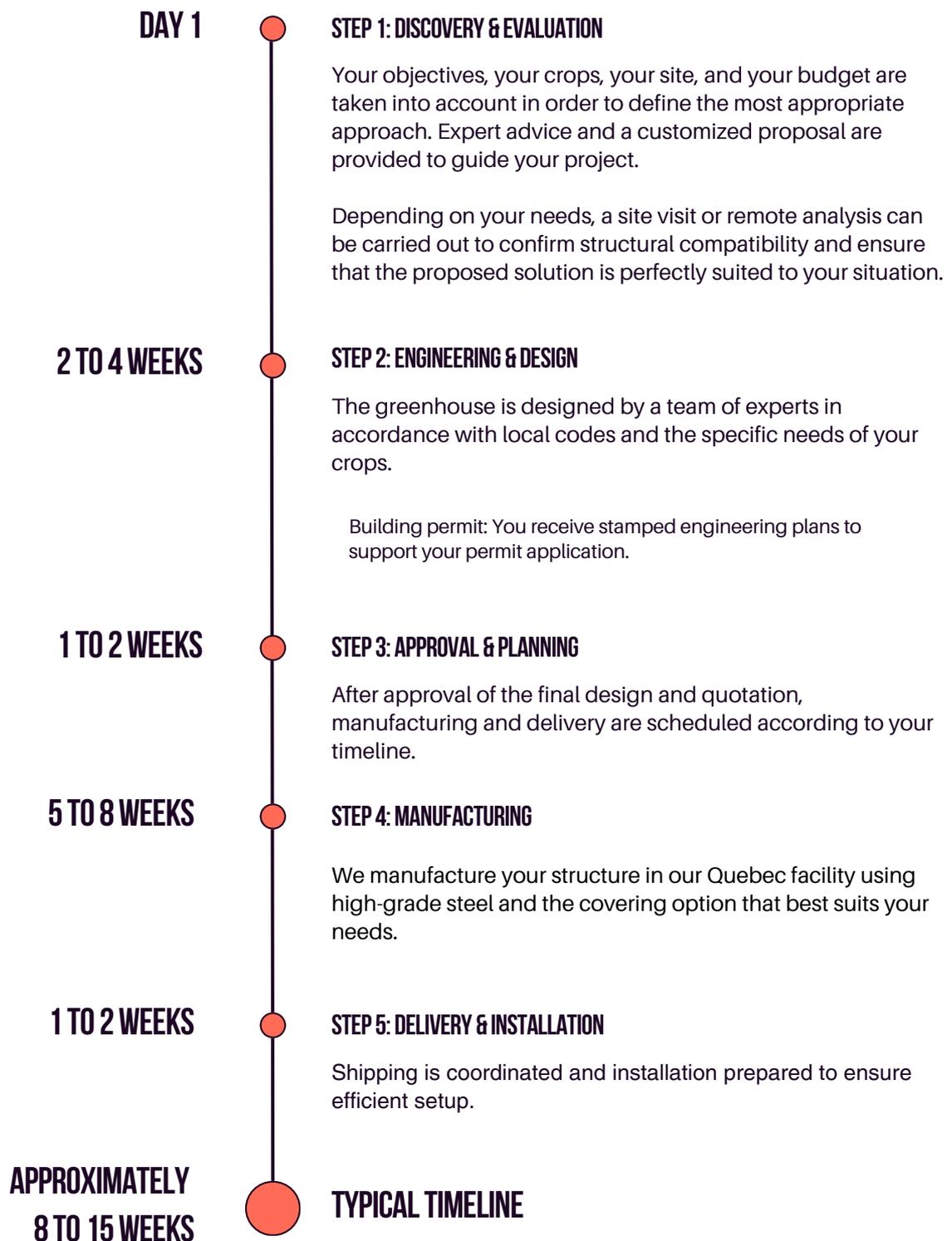
- ✓ **Patented Technology:** An advanced climate management system that optimizes the growing environment while reducing energy consumption.
- ✓ **NZEB:** Vermax is designed with Nearly Zero Energy Building (NZEB) principles, combining passive design strategies and ground-breaking energy technologies to reduce consumption and maximize efficiency.
- ✓ **Water Management:** A revolutionary circular water treatment system that enables zero wastewater and eliminates the need for additional water intake after startup, marking a key advancement in sustainable agriculture.
- ✓ **Proprietary structure:** We engineer and manufacture Vermax in Canada, combining superior performance with patented zero-emission environmental technologies developed entirely in-house.
- ✓ **Semi-closed:** Its advanced energy storage system achieves a peak coefficient of performance (COP) of up to 7.5, thanks to plug-and-play integration with thermal recovery projects, maximizing energy efficiency and reducing operating costs.

EQUIPMENT

	<p>Climate</p> <ul style="list-style-type: none"> • Cooling 	<p>Irrigation</p> <ul style="list-style-type: none"> • Boom • Drip • Flood/Floor • Recirculation
<p>Harnois offers a wide variety of high-quality greenhouse equipment to enhance your greenhouse operation, from basic systems to the most sophisticated ones. They all integrate seamlessly with the greenhouse installation, offering you the possibility of sourcing a complete growing system from a single supplier.</p>	<p>Lighting</p> <ul style="list-style-type: none"> • LED • HPS 	<p>Ventilation</p> <ul style="list-style-type: none"> • Roof • Side • Mechanical
	<p>Covering & Screens</p> <ul style="list-style-type: none"> • Polyethylene • Polycarbonate (PCSS) • Glass • Thermal, Insects & Blackout Screens 	<p>Accessories</p> <ul style="list-style-type: none"> • Elevated Benches • Flood Benches • Doors



A CLEAR TIMELINE: 8 TO 15 WEEKS DEPENDING ON COMPLEXITY



Please note: This timeline is indicative and may be adjusted due to unforeseen circumstances, including but not limited to supply chain disruptions or external factors beyond our control.



harnoisgreenhouse.com
sales@harnois.com
Call: 888.427.6647
SMS: 302.216.8712

**PLANNING IS EVERYTHING.
LET'S GET IT RIGHT.**

Discover how Maison Fleurs Vivaces brought innovation to life by connecting 4 Luminosa greenhouses to a single extended Luminosa header house, then linking 12 Ovaltech greenhouses. This project showcases the simplicity and flexibility of connecting Harnois structures through a true plug-and-play approach.

