

BUILD

A HIGH-PERFORMING GREENHOUSE OPERATION

Quick Guide to Building & Scaling a Successful Operation

SUCCESS CHECKLIST:

1. GOALS & BUSINESS PLAN

- Define crops & target markets
- Set production scale & yield targets
- Budget & financing plan
- Labor requirements

2. GREENHOUSE STRUCTURE

- Frame type: freestanding vs. gutter-connected
- Covering: poly, polycarbonate, or glass
- Orientation for max sunlight
- Local climate durability

3. CLIMATE CONTROL SYSTEMS

- Heating: boilers, unit heaters, radiant floors
- Cooling: vents, evaporative, HVAC
- Ventilation & humidity control
- Shade/retractable curtains

4. LIGHTING SOLUTIONS

- LED vs. HPS
- Uniform canopy coverage
- Supports photoperiod needs

5. IRRIGATION & FERTIGATION

- Drip irrigation for efficiency
- Overhead misting for propagation
- Ebb-and-flow benches
- Automated fertigation + water monitoring

6. GROWING SYSTEMS & BENCHING

- Stationary or rolling benches
- Vertical/multi-level racking
- Hydroponic options (NFT, DWC, aeroponics)
- Space & workflow optimization

7. INTEGRATED PEST MANAGEMENT

- Sanitation protocols
- Beneficial insects & microbes
- Adjust climate to deter pests
- Monitoring tools (sticky cards, scouting)

8. AUTOMATION & CONTROLS

- Centralized climate software
- Automated irrigation/fertigation
- Sensors & real-time data logging

9. WORKFLOW & LABOR EFFICIENCY

- Wide aisles & ergonomic workstations
- Conveyors, rails, rolling benches
- Layout reduces plant handling

10. COMPLIANCE & SAFETY

- Building codes & permits
- Worker safety standards
- Crop-specific regulations
- Food safety protocols

11. SCALABILITY & EXPANSION

- Expandable bays
- Modular equipment & automation
- Utility capacity sized for growth

12. PARTNERING WITH EXPERTS

- Work with greenhouse engineers & suppliers
- Support for design & equipment selection
- Avoid costly mistakes

TREAT YOUR GREENHOUSE AS A FINELY TUNED SYSTEM.

Every decision, from structure to fertigation, shapes crop quality, workflow efficiency, and profitability.

GET A QUOTE



- 📞 (905) 562-7341
- 🌐 ggs-greenhouse.com
- ✉ sales@ggsstructures.com
- 📍 3559 North Service Road,
Vineland Station, Ontario L0R 2E0