

THE ULTIMATE GREENHOUSE

Total Climate Control. No Compromises.

CTR

Constant Tension Retractable Roof System

PATENT PENDING

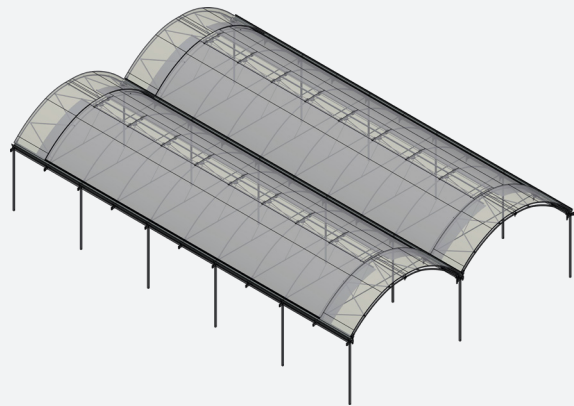
True environmental control depends on more than simply opening or closing the roof.

The CTR system is built for fine adjustment.

Thanks to a constant-tension retractable mechanism, the roof can be positioned anywhere along its travel and left there securely - even in changeable conditions.

This allows growers to fine-tune light levels and ventilation to suit the crop, the weather, and the moment, without compromising stability or performance in windy conditions.

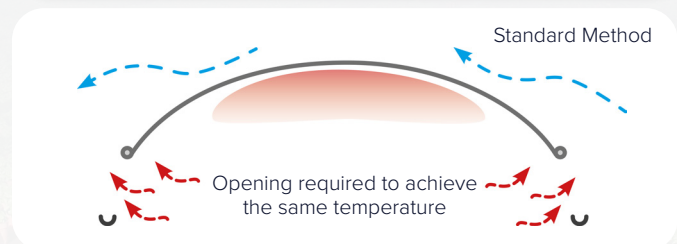
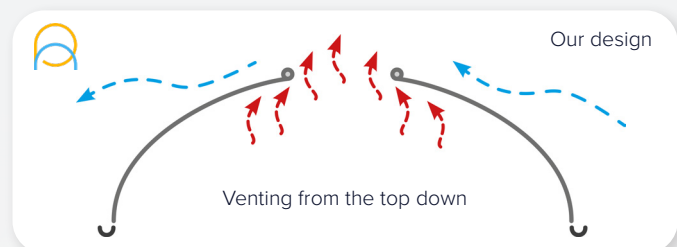
With instant access to natural light, and airflow, crops can be hardened off in situ - **without moving plants, without additional land, and without extra labour.**

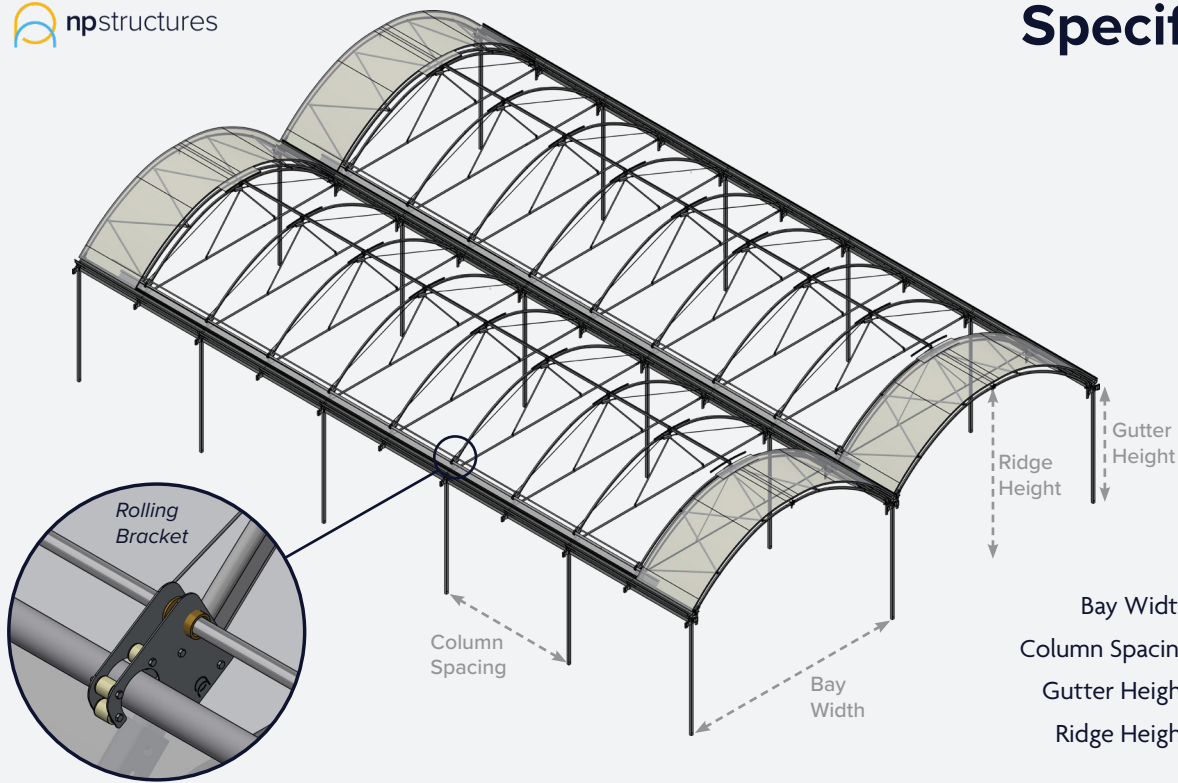


Find the Perfect Balance

Closed

Open





| | |
|----------------|------------|
| Bay Width | 8m |
| Column Spacing | 2.5m, 3m |
| Gutter Height | 2m, 3m, 4m |
| Ridge Height | 4m, 5m, 6m |

Venting Done Differently

Unlike conventional retractable systems, the CTR roof opens from the apex downwards and can be stopped at any point along its travel. This allows warm air to be released gradually from the highest point of the structure - where heat naturally accumulates - giving growers precise, controlled temperature reduction.

By opening the roof incrementally, excess heat can be vented without overcorrecting the internal climate. This avoids sudden temperature swings and helps maintain a stable growing environment throughout the day.

Systems that vent from the bottom upwards typically release air lower in the structure,

which can leave pockets of warm air trapped at the apex or require the roof to be fully opened. The CTR approach delivers measured, progressive venting, allowing growers to fine-tune conditions rather than react to extremes.

Designed Around the Crop

The Constant Tension Retractable Roof System allows growers to introduce natural light and airflow progressively, rather than through a simple open-or-closed approach. This enables crops to be hardened off in situ, improving resilience, uniformity, and overall quality without relocating plants.

By fine-tuning exposure to match crop stage and local conditions, the system

supports consistent growth across the bay and maximises usable growing space throughout the season.

Built for Operational Efficiency

CTR gives growers precise environmental control without adding operational complexity. The roof can be positioned anywhere along its travel and held securely by a constant-tension mechanism, delivering stable, repeatable performance even in windy or changeable conditions.

By removing the need for separate hardening-off areas or repeated plant handling, the system reduces labour demands while maintaining crop protection - allowing one structure to perform multiple roles within the growing cycle.

One structure. One growing space. Complete control.

