



DESIGN // BUILD // GROW

# 7 Steps to Building Your Structure

## Structure Installation Made Easy

We pride ourselves on supplying high-quality products that are easy to install from start to finish. Here you will find a simplified overview of the process.

**Please note that this is a condensed overview; be sure to consult the complete manual that comes with your kit before you get started.**

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### Install Ground Posts

- **Kit parts:** Ground Posts
- **Recommended tools:** Ground post driver cap; sledge hammer; 12" level; vice grips/clamps; two 300' tape measures; laser level/mason twine with level line.

Calculate the length of your tunnel's diagonals in order to square the corner posts. Determine your grade, set the four corner posts, and install ground posts.

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### Assemble Bows and Trusses

- **Kit parts:** Half-bows; truss bottom chords; truss braces; 1.9" brace bands; 1.315" brace bands; 2.5" bolts; 1.5" bolts; 5/16" nuts.
- **Recommended tools:** Impact driver with 1/2" deep socket; speed square; tape measure; hammer; two stakes.

Assemble all bows and trusses on the ground and then lift them into place onto the ground posts. Assembly may be done before ground post installation.

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### Install Wind Bracing and Purlins

- **Kit parts:** 54" wind braces; 1.9" brace bands; 1 1/2" bolts; 5/16" nuts and washers; ridge purlins; 4" bolts; purlins; 1" pipe straps; 1" #14 Tek screws; 1" #14 sheet metal screws.
- **Recommended tools:** Impact driver with 1/2" deep socket plus 5/16" and 3/8" hex bits; 12" level; tape measure; marker; hammer; sledge hammer; vice grip/clamp; ladders; metal saw.

Install all wind bracing to corners of hoops. Attach ridge purlin (two people recommended), followed by all lower and upper purlins.

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## Install Baseboards and Hip Boards

- **Kit parts:**
  - **All baseboards:** 1½” pipe strap ; 1½” Tek screws.
  - **Wooden baseboards:** Metal 2x4 splice brackets; 1½” GRK screws; 4” bolt; ⅝” and ⅜” nuts and washers; 6” eye bolt; baseboard lumber (not provided).
  - **Metal baseboards:** 1½” square tube with swaged ends; 1½” square tube chunks with predrilled holes; angle brackets; 1½” Tek screws with neoprene washers; single wire lock base; polycarbonate sheets.
- **Recommended tools:**
  - **All baseboards:** Pickaxe/shovel; clamps/vice grips; tape measure.
  - **Wooden baseboards:** 3’ level; impact driver with ½” deep socket plus ⅜” and ⅞” hex bits; drill with ⅜” metal bit; speed square.
  - **Metal baseboards:** Impact driver with ⅝” hex bit and step bit; metal cut off saw; 12” level; hammer; marker; circular saw.

Installation steps will depend on your baseboard system. Refer to the manual for proper installation.

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## Build and Cover End Walls, Install Doors

- **Kit parts:** 1.75” square tube; 1.5” end wall ground posts; twisted end wall brackets; brace end brackets; 1.9” brace band; 1½” bolts with nuts; angle brackets; 1½” Tek screws; mason twine; wire lock base.
- **Recommended tools:** Clamps/vice grips; 3’ level; impact driver with ½” deep socket, ⅝” hex bit, step bit, and #2 Philips bit ; metal cut off saw; ladder; tape measure; 12” level; hammer; marker.

Assemble end walls and attach covering. Assemble and attach doors (hinged or sliding).

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## Sidewall Upgrades

- **Kit parts (all optional):**  
Bug exclusion netting;  
wind exclusion panels;  
7-year roll ups.

Customized upgrades must be installed before top covering is added. Refer to your manual for installation.

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## Install Top Covering

- **Kit parts:** 6 mil greenhouse plastic; wiggle wire; inflation blower and bracket.
- **Recommended tools:** Ladders; sawhorses.

Your kit may include a single or double layer of plastic. With two people, position the plastic at the peak of the greenhouse and unroll it on each side.

# Questions About Building Your Structure?

Get in Touch:  [info@ctgreenhouse.com](mailto:info@ctgreenhouse.com)