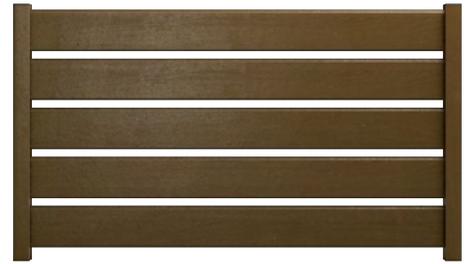




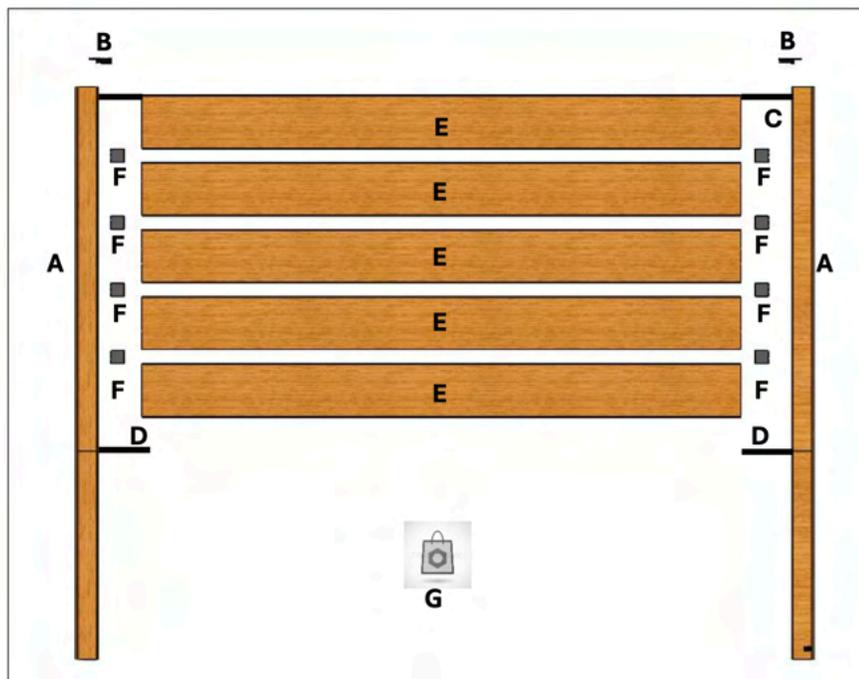
MODERN SEMI-PRIVACY HORIZONTAL PERIMETER FENCE
INSTALLATION GUIDE



**MODERN SEMI-PRIVACY
HORIZONTAL PERIMETER FENCE**

COMPONENTS

ITEM	QTY	DESCRIPTION	NC PART
Complete Product		Composite Modern Horizontal Semi-Privacy Perimeter Fence (6' x 6')	100307XX30600
A	2	U POST - POST, 2.5" X 2.5" X 94.5" COMPOSITE U-CHANNEL MODERN ROUTING	300722XX094
B	2	TOP CAP - POST CAP ASSEMBLY, 2.5" U-CHANNEL SLIDING TOP CAP	200721BK00000
C	1	TOP CABLE - TOP CABLE ASSEMBLY	200030GV06900
D	2	POST DEPTH STICK - ACPC POST DEPTH STICK (qty 2)	ACPC POST DEPTH STICK
E	5	SQUARE EDGE BOARD - HOLLOW PROFILE, 43" X 6" X 7/8" SQUARE EDGE BOARD (qty 9)	300341XX043
F	8	NC Spacers (1 1/2 inches)	200723XX147
G	5	PostScrew Bag #8 1-5/8" BRONZE STAR TRUSS HEAD SCREW	ACSCR#8X1-5/8BRONXET RUSS



BEFORE YOU BEGIN

Before You Begin:

1. **Verify Underground Utilities**
Use aids such as local building departments, utility companies, or utility location services to ensure the area is free from underground lines or hazards.
2. **Locate Property Lines**
Ensure the fence is installed within your property boundaries to avoid encroachment and comply with legal requirements.
3. **Consult Local Building Codes**
Review local codes to ensure the fence and gate installation meets all requirements. Obtain any necessary permits before starting the installation.
4. **Wear Appropriate Safety Equipment**
Always wear gloves, safety goggles, and work boots to avoid injuries during installation.

TOOLS REQUIRED

Tools for Preparing the Fence and Post Burial

- Tape Measure
- Post Hole Digger & Shovel
- **Post Bubble Level** (for ensuring posts are vertically aligned at 90 degrees)
- Level and String Line
- Wheelbarrow
- Stakes or Markers

Tools for Installing the Fence

- **Torx T20 Bit** (for fastening the self-drilling composite screws provided by NC for both securing the posts and attaching the post cap)
- We recommend using a **power tool** for both operations to ensure proper installation of the fasteners.

FENCE LOCATION

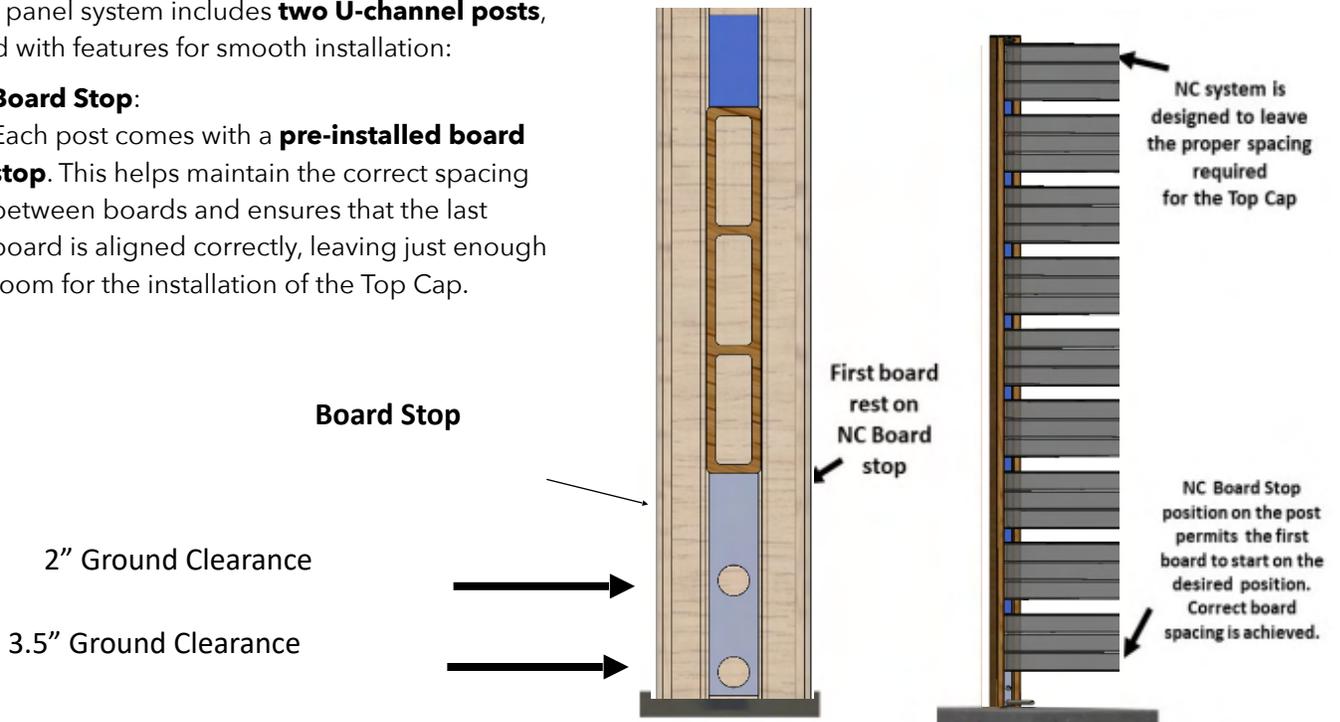
1. **Mark the Fence Layout**
Use stakes and a string line to outline the fence location. The string helps ensure the fence remains straight during installation.
2. **Locate Gate Placement**
Mark the post hole locations for gate posts according to the gate installation instructions.
3. **Mark Corners and Ends**
Identify the locations of corner and end posts.
4. **Mark Intermediate Fence Posts**
Posts should be placed no wider than **69 inches (5.75 feet)** between posts for each fence panel.

Posts Set Up

The **NC patented Universal Post System** is designed for maximum flexibility. Unlike traditional systems that require specific post types (start/end posts, line posts, and corner posts), the NC Modern system uses a **single, versatile U-channel post** that can be adapted for any configuration, simplifying the ordering process and providing flexibility during installation.

Each NC panel system includes **two U-channel posts**, designed with features for smooth installation:

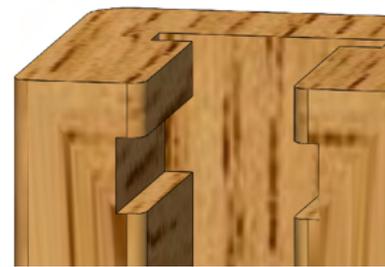
- Board Stop:**
 Each post comes with a **pre-installed board stop**. This helps maintain the correct spacing between boards and ensures that the last board is aligned correctly, leaving just enough room for the installation of the Top Cap.



- Grooves at the Top:**
 The posts have **grooves at the top** to accommodate the **Top Cable Fastener** during installation. These grooves also serve as the attachment points for the **Top Cap**, which finalizes the installation and gives the fence a finished look.



TOP CABLE GROOVE



TOP CAP GROOVE

Prepare Your Posts

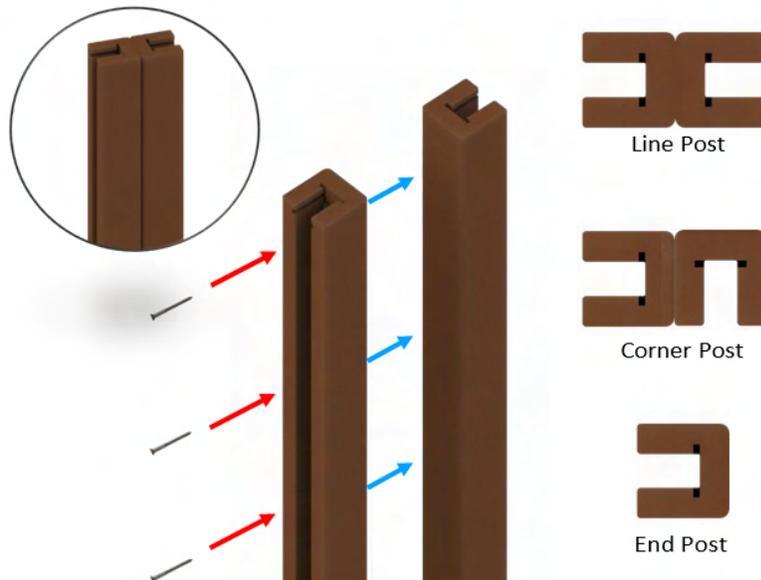
For **Multiple Panel Sections:**

- **Note:** When installing multiple panels, bolt the posts together before the burial process. This ensures proper alignment and simplifies installation.

Procedure for Line Sections, Corner Posts, and End/Gate Posts:

The **NC system** uses a patented design with a **versatile U-channel post**. The **5 composite screws** provided should be used to assemble the posts in the desired configuration. We recommend using a **Torx T20 Bit** and power tool for faster, secure assembly:

- **For Line Sections:** Install two U-channel posts **back-to-back** to seamlessly connect panels.
- **For Corner Posts:** Install two U-channel posts **adjacent to each other**, ensuring correct orientation for corners.
- **For Start/End or Gate Posts:** Install a **single U-channel post** at the start, end, or gate section.



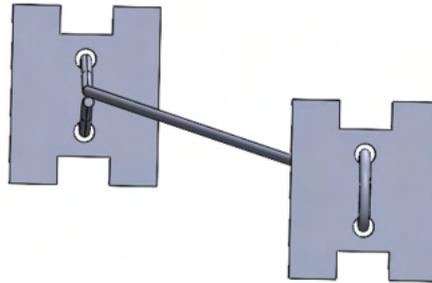
Precise Post Spacing for Installation

NC Top Cable Solution

Another patented feature of the NC system is the **Top Cable Fastener**, which ensures precise post spacing during installation.

1. Precise Post Spacing During Installation

- The **Top Cable system** consists of two H-type fasteners and a **69-inch cable** connecting them. This ensures the precise spacing required for the fence panels to function properly.
- **Install the Top Cable before the burial process:** Insert the H-shaped fasteners into the grooves of the U-shaped posts. Spread the posts apart until the cable is **fully extended**. This keeps the posts aligned and properly spaced during this critical stage. the posts are spaced at exactly **69 inches**.



2. Maintaining Post Alignment During Curing

The **Top Cable Fastener** should remain in place throughout the concrete curing process. This keeps the posts aligned and properly spaced during this critical stage.

Note: The Top Cable Fastener is essential for maintaining the correct spacing for the free-floating board system, allowing the boards to move slightly without binding or falling out.

- **If Spacing is Too Short:** Boards will not fit correctly between the posts.
- **If Spacing is Too Wide:** Boards may become loose and potentially fall out of the channels.

Post Installation

1. Dig Post Holes to the Correct Depth

Dig **12-inch diameter holes** at least **26 inches deep** to ensure proper stability when burying posts **24 inches**.



2. Add Gravel for Drainage

Pour **6 inches of gravel** into the bottom of each post hole to improve drainage and ensure long-term stability.

3. Set the Posts in Concrete: Two Critical Factors to Monitor

When setting the posts in concrete, monitor two critical factors to ensure the correct installation:

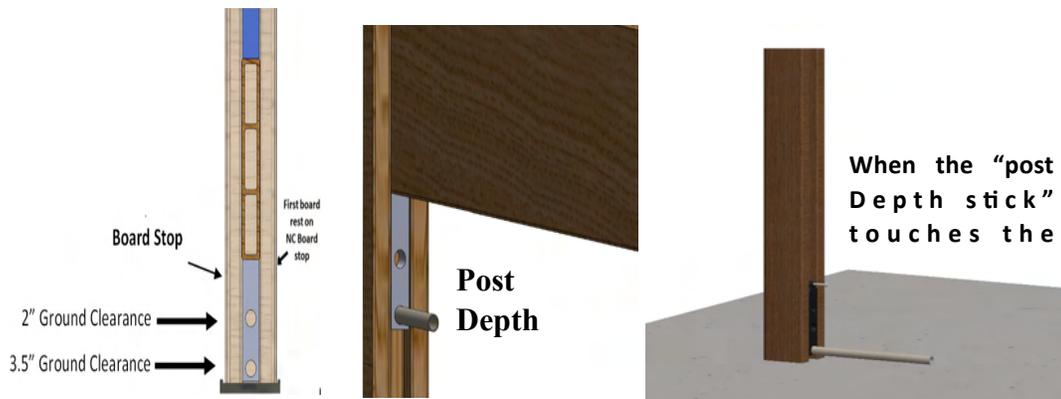
1. Precise Post Spacing:

Use the **NC Top Cable Fastener** to ensure posts are spaced correctly at **69 inches**. Before pouring the concrete, ensure that the **Top Cable is fully extended** to lock the posts in place at the correct distance, allowing proper fence panel installation. Keep the **Top Cable tensioned** throughout the curing process to prevent any movement or misalignment of the posts.

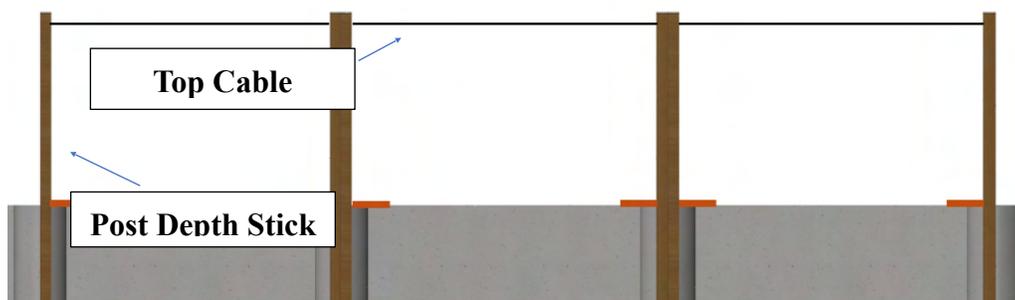
2. Ground Clearance:

Ground clearance is essential for the proper function and appearance of the fence. The **NC system** includes a **Post Depth Stick**, which provides a visual guide to ensure posts are buried to the correct depth, allowing for the intended ground clearance:

- If the **Post Depth Stick** is installed in the **bottom cavity**, the ground clearance will be **3 ½ inches**.
- If installed in the **top cavity**, the ground clearance will be **2 inches**.



Lower the post into the ground until the **Post Depth Stick** touches the surface. This ensures that the post has been buried to the correct depth. If the terrain is uneven, ensure that both posts are at a consistent depth and aligned horizontally. Use a **Post Bubble Level** to check for vertical alignment.



1. **Maintain Proper Post Alignment and Spacing**

Keep the **Base Cable Assembly taut** to ensure the posts remain correctly spaced. Additionally, continue to use the **Top Cable Fastener** to maintain proper post alignment during the curing process.

2. **Allow the Concrete to Cure**

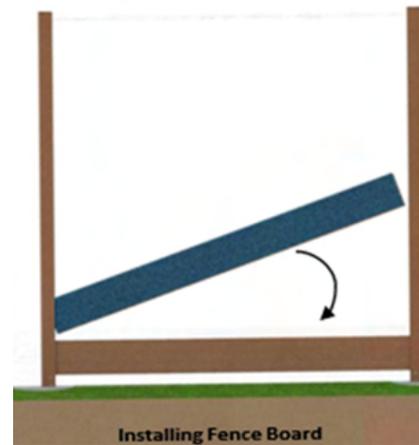
Allow the concrete to cure for **24-48 hours** before proceeding with installation.

Fence Board Installation

The **NC system** comes pre-assembled with a **Board Stop**, which ensures correct spacing for the boards.

1. **Install Bottom Square Edge Board**

- Hold the bottom board at an angle and insert one end into the U-shaped post. Rotate the other end into the opposite post.
- Push the board down until it rests against the **Board Stop Assembly**.



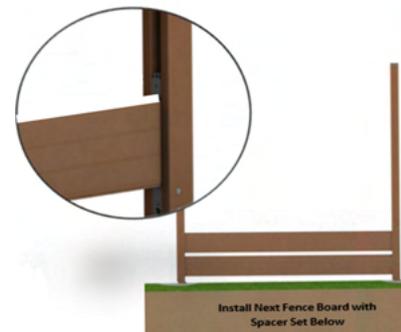
2. **Install NC Spacers with Velcro Dots**

- Attach **Velcro dots** (provided) to both ends of each **NC Spacer**.
- Position the spacers so they are properly touching the NC board and secure them in place within the U-channel.



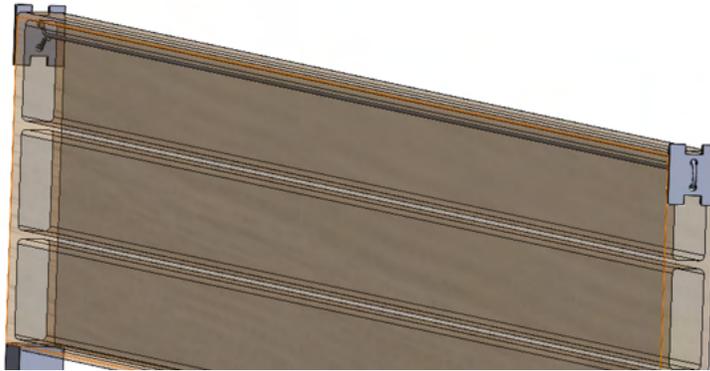
3. **Continue Adding Square Edge Boards**

Repeat the process with each **Square Edge 1x6 Board**, using the spacers to maintain alignment.



4. **Install the Top Cable Inside the Top Cavity of the Last Board**

- Before installing the last board, insert the **H-shaped fasteners** attached to the **Top Cable** into the top cavity of the board. Once secured, slide the last board into place.



5. **Ensure Proper Space for Top Cap Installation**

After the last board is installed, ensure a proper gap for installing the **Top Cap**.

Top Cap Installation

1. **Install the Top Cap**

Slide the **Top Cap** into the routed space at the top of the U-channel posts.

2. **Secure the Top Cap**

Fasten the **Top Cap** using the provided 1-3/4 inch composite screws with a **Torx T20 Bit** and power tool.



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US 11,053,707; US 12,110,703; US 12,084,880