

# PRO-RIB FENCE SYSTEM



## INSTALLATION GUIDELINES



- **Virtually Maintenance Free**
- **Available in 24 Colors**
- **Custom Heights Available by the Inch**

# TOOLS NEEDED



# COMPONENTS NEEDED

For 96 ft of Fence (16 - 6' sections)		For 144 ft of Fence (24 - 6' sections)		For 192 ft of Fence (32 - 6' sections)	
Qty	Description	Qty	Description	Qty	Description
32	38"x6' Steel Panels	48	38"x6' Steel Panels	64	38"x6' Steel Panels
17	4"x4" Treated Posts	25	4"x4" Treated Posts	33	4"x4" Treated Posts
48	2"x4"x6' Treated Supports	72	2"x4"x6' Treated Supports	96	2"x4"x6' Treated Supports
339	Color-Matched Fasteners	507	Color-Matched Fasteners	675	Color-Matched Fasteners
26	Bags of Instant Post Set Mix	38	Bags of Instant Post Set Mix	50	Bags of Instant Post Set Mix

# OPTIONAL COMPONENTS

For 96 ft of Fence (16 - 6' sections)		For 144 ft of Fence (24 - 6' sections)		For 192 ft of Fence (32 - 6' sections)	
Qty	Description	Qty	Description	Qty	Description
1*	Gate Kit	1*	Gate Kit	1*	Gate Kit
16	6' Composite Gradeboard	24	6' Composite Gradeboard	32	6' Composite Gradeboard
16	6' Fence Top Trim**	24	6' Fence Top Trim**	32	6' Fence Top Trim**

\*Quantities may vary based on design.

\*\*If adding fence trim, additional color-matched fasteners will be needed.

# FENCE PANEL INSTALLATION STEPS



**1** Install Fence Posts  
see page 3

**2** Install Support Beams  
see page 4

**3** Install 1st Steel Panel  
Install Overlap Panels  
see page 6

**4** Install Fence Trim  
see page 7

# INSTALL FENCE POSTS

## STEP 1.1

## STAKE OUT FENCE LINE

Prior to construction, check with your local regulatory agency for special code requirements in your area. Before digging postholes, contact Diggers Hotline or your local utility companies to mark any underground cables and pipelines.

1. Determine location of your fence and drive stakes into the ground beyond the corners and the ends of the fence. So you do not disturb the stakes when digging, locate them out an additional 6" beyond where the post is to be set (see Fig. 1.1).
2. Stretch twine or heavy string between stakes and pull tight to mark layout of the fence line.

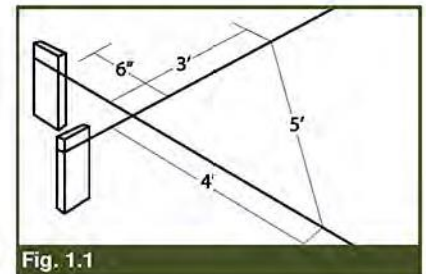


Fig. 1.1

## STEP 1.2

## SETTING THE POSTS

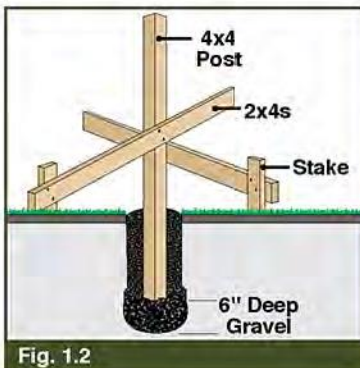


Fig. 1.2

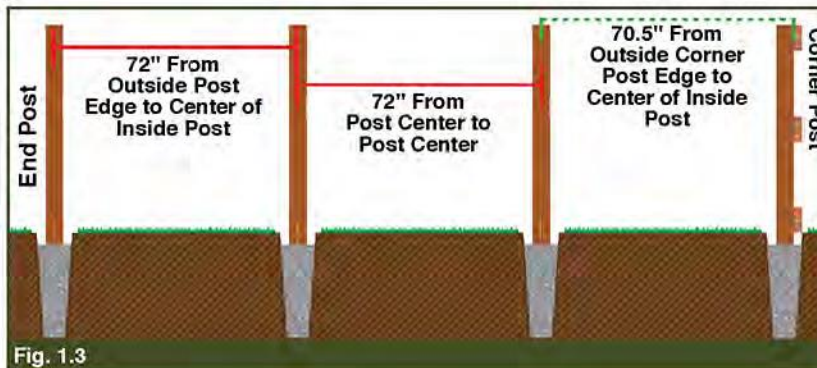


Fig. 1.3



Fig. 1.4 Corners

1. Install the end and corner posts first. Brace the posts using 2x4s nailed to both the post and a stake pounded into the ground (see Fig. 1.2).
2. Measure and dig post holes. The post hole should be dug 6" deeper than needed and back filled with 6" of gravel to drain water away from the bottom of the post.  
  
The required depth may vary based on the local frost line; check the requirements for your area. As a general rule, approximately 1/3 of the total length of the post should be buried in the ground. (Example: For a 10' post, 3-1/2' will be in the ground and 6-1/2' above.)
3. Set posts. On a straight run with no corners, the distance from the outside of the very first post to the center of the second is 72". All inside posts should be 72" from post center to post center. The distance from the center of the second-to-last post to the outside of the last post should be 72" (see Fig. 1.3).

On a run with corners, the distance from the outside of the very first post to the center of the second is 70.5". This will ensure that after supports and steel are added, the corner will be closed with no gaps (see Fig. 1.4 and Fig. 1.5).

5. Be sure the posts are in an exact upright position. Check the alignment of each post with a regular level taking a reading on two adjacent sides.

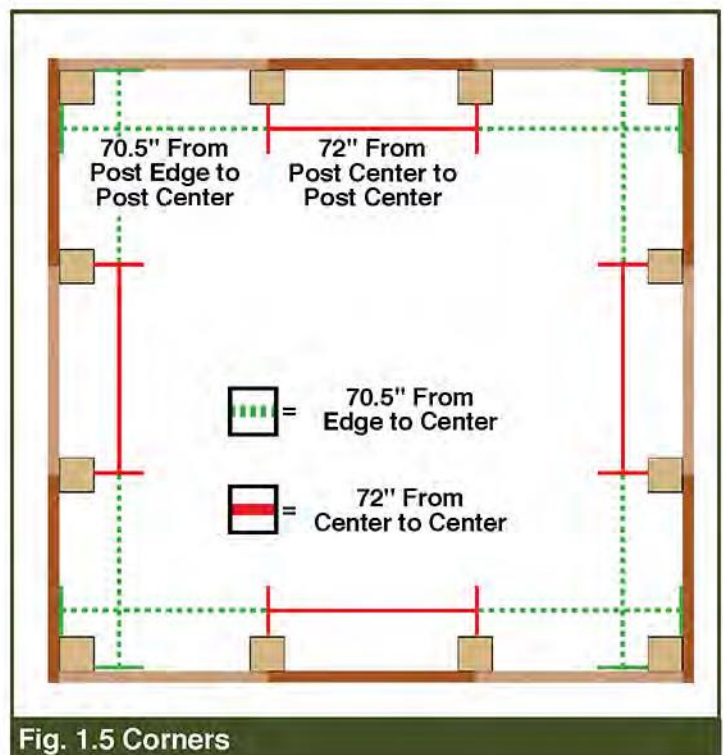


Fig. 1.5 Corners

Recommended Gate Kit: Homax Gate Kit, Easy Gate Bracket System, sku 173-1352. See gate packaging for installation instructions. Available at Menards.

# INSTALL FENCE POSTS, CONT.

## STEP 1.3

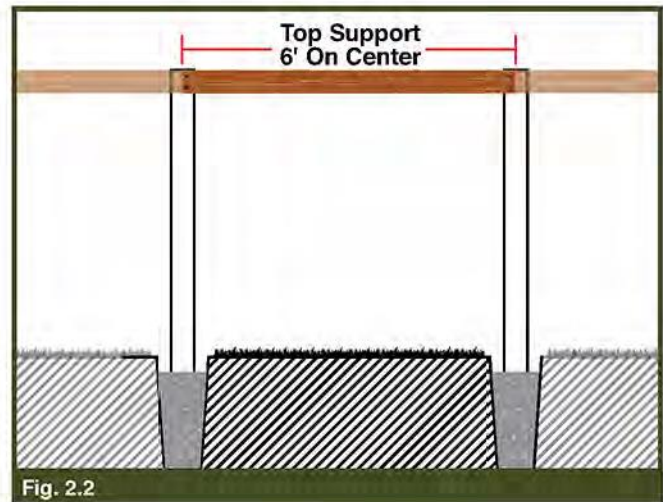
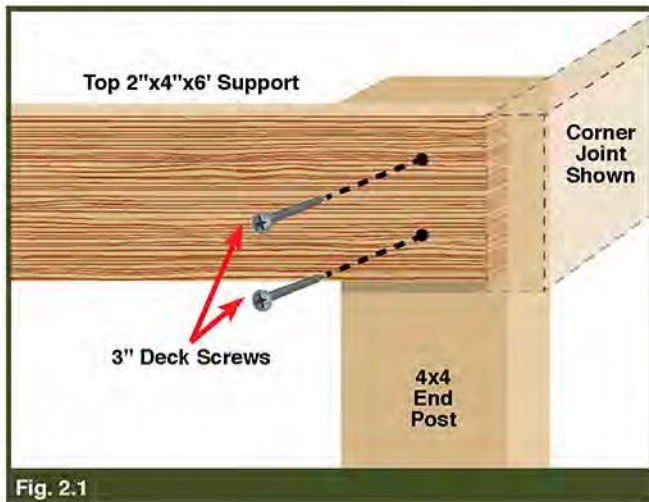
## FILLING POST HOLES

1. Option 1) Pack the post in with the dirt removed from the hole, adding a little at a time around the post and tamping it down as you go along.
2. Option 2) Fill the post hole with instant post cement, stopping just below grade. Follow manufacturer's instructions on the cement bag.
3. Use a level to check for vertical plumb alignment and the spacing between the posts. This should be 72" on center of each post or 68-1/2" between posts.
4. Using the line stretched between end posts, ensure the front edge of each post is parallel with the fence line.

# INSTALL SUPPORT BOARD

## STEP 2.1

## INSTALL TOP SUPPORT



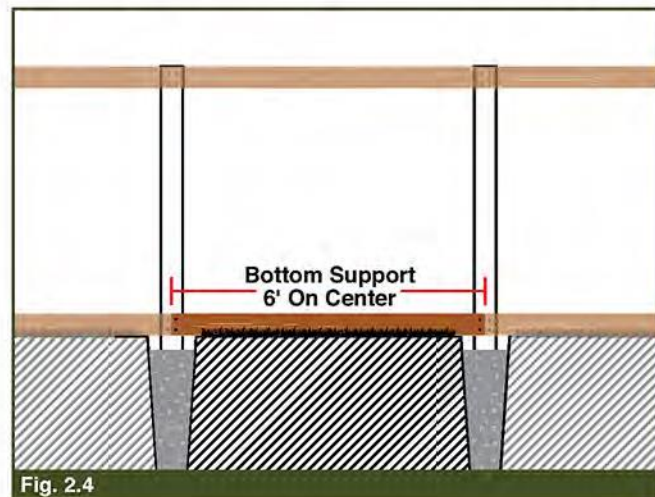
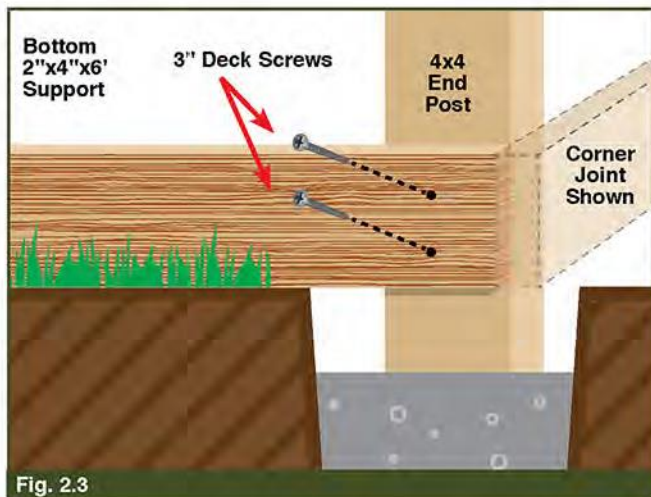
Support boards must be attached to all 4x4 posts. 2"x4"x6' treated lumber is recommended for use as supports.

1. Using two 3" deck screws spaced evenly on each end (see Fig. 2.1 and Fig. 2.2), install the first 2"x4"x6' support board at the top of the post. Each end of the support beams to follow will fall directly in the middle of each 4x4 post.
2. Continue installing all top supports. The outside end of the last top support board will be flush with the outside edge of the last 4x4 post.

# INSTALL SUPPORT BOARD, CONT.

## STEP 2.2

## INSTALL BOTTOM SUPPORT



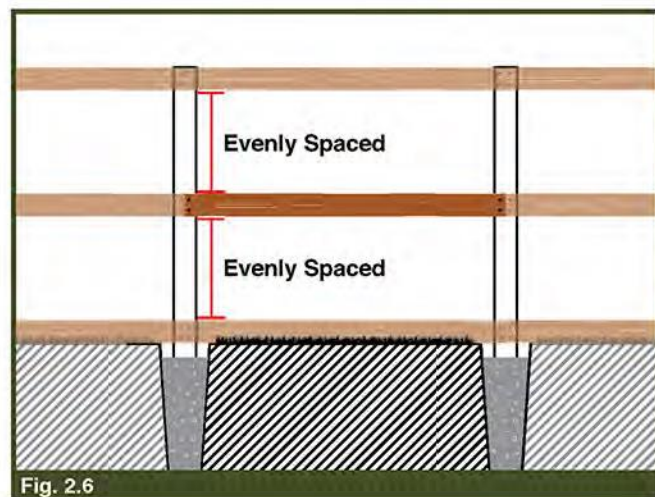
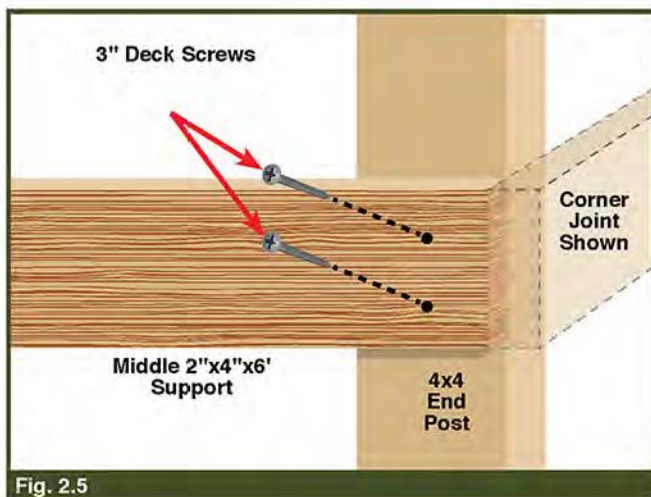
1. Install bottom 2"x4"x6' support boards at the bottom of each post, so each support is at ground level.

Like step 2.1, space each end of the 2"x4"x6' support board directly in the middle of each 4x4 post. Use two 3" deck screws spaced evenly on each end (see Fig. 2.3 and Fig. 2.4).

2. Continue installing all bottom supports.

## STEP 2.3

## INSTALL MIDDLE SUPPORT



1. Install middle support board in the middle of each post, so each support is equal distance between the top and bottom supports.

Like step 2.1, space each end of the support board directly in the middle of each 4x4 post. Use two 3" deck screws spaced evenly on each end (see Fig. 2.5 and Fig. 2.6).

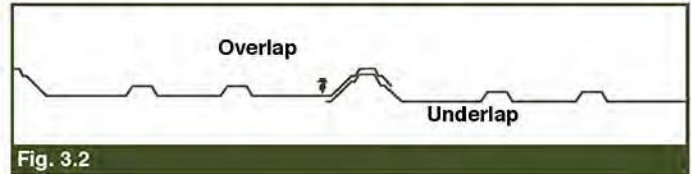
For corners, the outside edge of the support will be flush with the outside edge of the outside post.

2. Continue installing all middle supports.

# INSTALL STEEL PANELS

## STEP 3.1

## UNDERSTANDING OVERLAP



1. The first installed panel of steel will determine the flow for the entire fence. Each panel has two sides; one side is the underlap, and the other side is the overlap (see Fig. 3.1).
2. Each additional panel's overlap side will cover the previous panel's underlap side (see Fig. 3.2 and Fig. 3.3).

## STEP 3.2

## INSTALLING FIRST STEEL PANEL

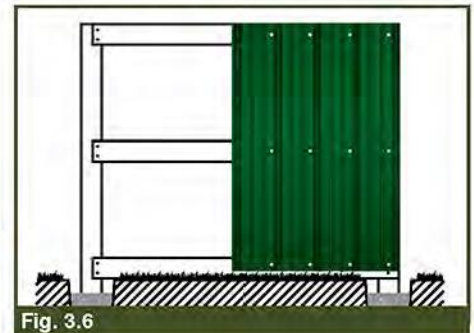
1. Align overlap edge of first panel with the outside edge of fence frame.

Leave a minimum gap of 2" from the ground to the bottom of the steel panel, exposing a portion of the bottom support (see Fig. 3.4).

2. Attach panel using color-matched fasteners. Each fastener will be inserted on the side of each raised rib. It is not necessary to use a fastener near the underlap rib for this panel (see Fig. 3.5).

Install fasteners along each support, for a total of 12 fasteners on this panel (see Fig. 3.6).

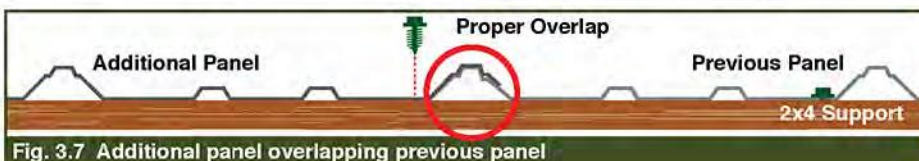
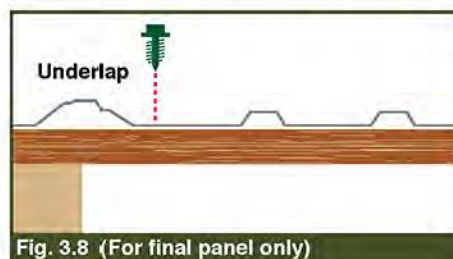
**Helpful Tip:** While fastening the panel with the color-matched fasteners, use padded clamps along the top brace and the flat of the steel panel to hold the panel in place.



## STEP 3.3

## INSTALLING OVERLAP PANELS

1. Position the next panel's overlap edge over the underlap edge of the newly installed panel (see Fig. 3.7).
2. Attach panel using color-matched fasteners. If adding more panels, follow fastening instructions in Fig 3.5. If installing the final panel, add fasteners along the underlap side (see Fig. 3.8 and Fig. 3.9).



# INSTALL FENCE TRIM

## STEP 4.1

## INSTALL FENCE TRIM

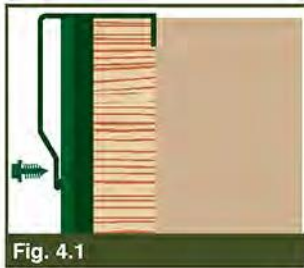


Fig. 4.1

1. Tuck back edge of fence trim between top support and 4x4 post. Fasten with color-matched fasteners through the center of every-other raised rib on the steel panel.

When overlapping trim, fasten with one color-matched fastener (see Fig. 4.1 and Fig. 4.2).

2. Fasten back edge of trim to the top support. Install one color-matched fastener near each 4x4 post, and one in the middle of the panel (see Fig. 4.3).

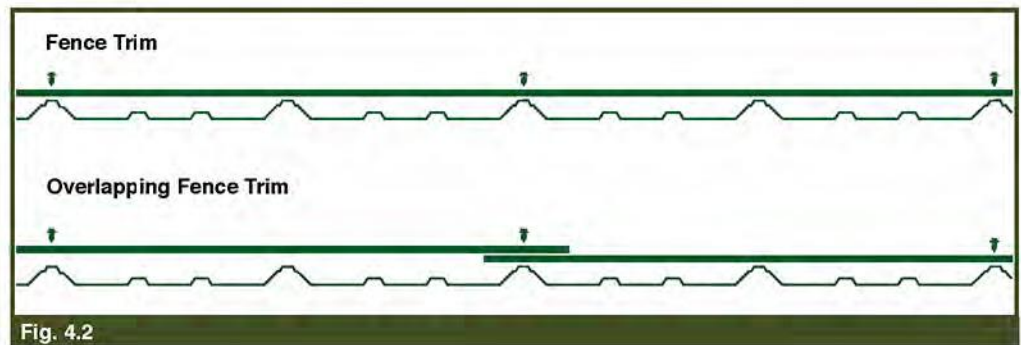


Fig. 4.2

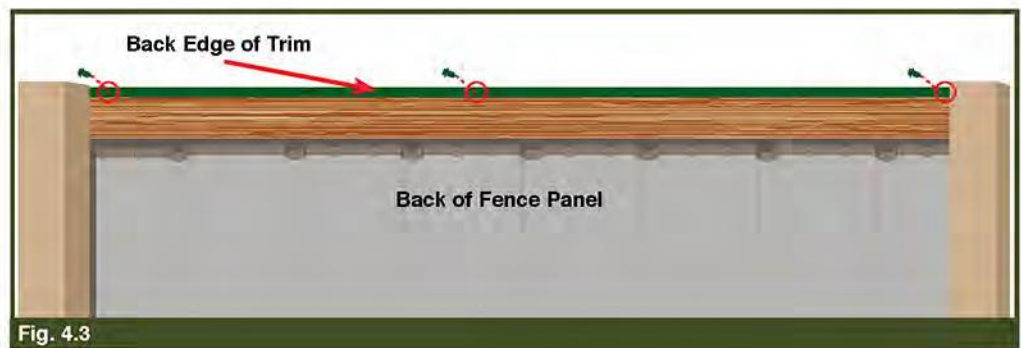
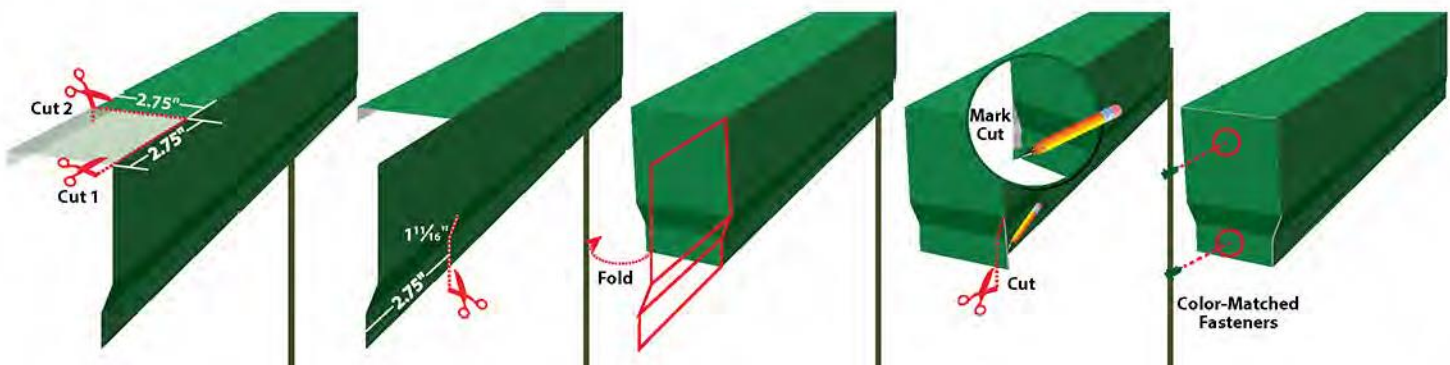


Fig. 4.3

## STEP 4.2

## FINISHING an END with TRIM



1. Cut 2.75" along bend (cut 1). Move to the back lip, and cut 2.75" toward end of first cut. Remove steel piece.

2. Measuring 2.75" from edge, make a single cut approximately 1-11/16" straight up from bottom.

3. Fold section back, creating a 90° angle. For a cleaner folded edge, fold 180°, then unfold to 90°.

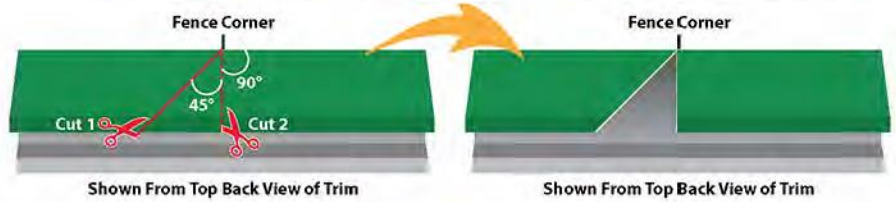
4. Using a pencil, trace edge of folded flap along the piece of steel that is extending outward. Cut and remove edge.

5. Fasten with two color-matched fasteners in the areas indicated above.

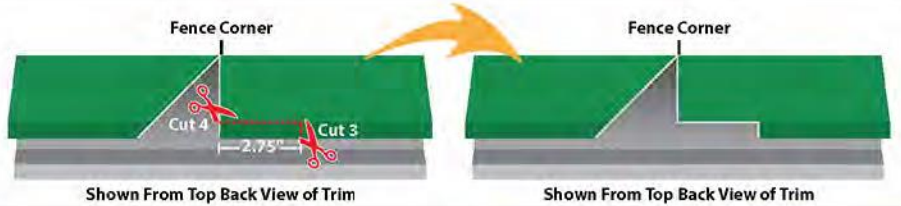
# INSTALL FENCE TRIM

## STEP 4.3 CREATING CORNERS with TRIM

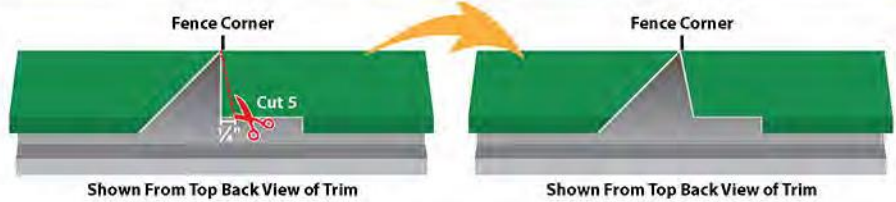
1. Determine where the bend will occur in your fence trim for the fence corner. On the left side (looking from back of trim), cut at a 45° angle, ending at fence corner mark. Make a second cut from the back of the trim to the fence corner mark, and remove steel piece.



2. Measure 2.75" to the right of cut 2 along the back lip. At that mark, make cut 3 up the back of the lip. Cut 4 will begin at the edge of cut 2, meeting up with cut 3. Remove steel piece.

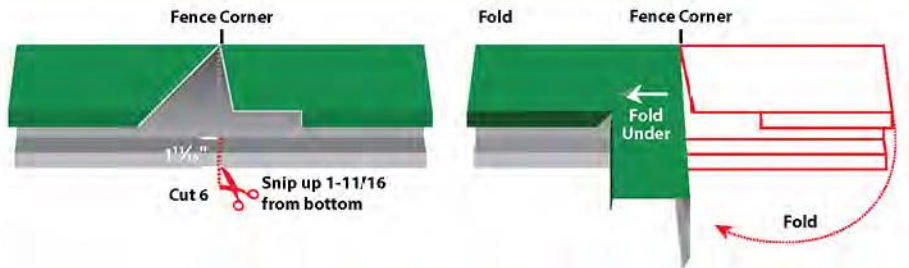


3. Measure 1/4" from cut 2. From that mark, make cut 5, meeting at the end of cut 1. Remove steel piece.



4. To make cut 6, snip up approximately 1-11/16" at the bottom of the trim, at the same line of the fence corner.

Fold right side inward and under the left, creating a 90° angle.



5. Using a pencil, trace edge of folded flap along the piece of steel that is extending outward. Cut and remove edge.

6. Fasten with four color-matched fasteners in the areas indicated to the right.

