

**Do It Yourself**

# FENCE INSTALLATION

## BEFORE YOU BUILD

- ❑ Check your local building codes
- ❑ Verify neighborhood association covenants regarding the height, design, and material usage
- ❑ Apply for building permits if needed
- ❑ Consult official lot survey for boundary lines and easements
- ❑ Mark all buried utility lines

## MATERIALS (for each 8' section):

- ❑ Posts\*: 4"x4" (1 per section)
- ❑ Rails: 2"x4" in either 8' or 16' lengths
- ❑ Pickets: 1"x6"x6"
  - Stockade: 18
  - Shadowbox: 19
  - Board-on-Board: 19
- ❑ Rail Fasteners: 3" hot-dipped galvanized nails or screws (9 per section)
- ❑ Fencing Fasteners: 2" hot-dipped galvanized nails or screws (6 per picket)
- ❑ Gate Hardware

**CONSTRUCTION TIPS  
ON REVERSE SIDE**

*\* Note: Post length will be determined by the fence height and the hole depth which should extend below the local frost line.*

## TOOLS:



Circular Saw  
or Handsaw



Shovel



Post Hole Digger  
or Auger



Hammer, Nail Gun,  
Cordless Drill



Level



Tape Measure



Wheel Barrow

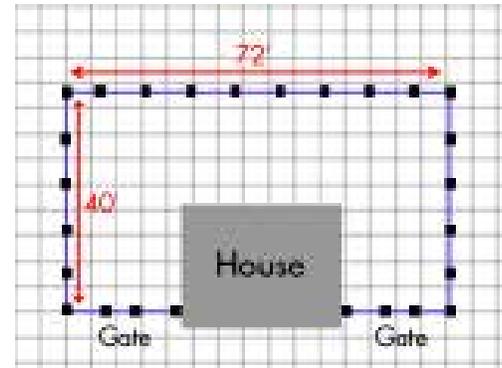
Other Supplies: Quick Set Concrete, Gravel, Hot-Dipped Galvanized Fasteners, Work Gloves, String, Goggles, Dust Mask, Hoe

## PLANNING YOUR FENCE

Using graph paper, pencil and a straight edge, draw your fence plan (see sample at right). This drawing will help you visualize the fence on your property and will help you complete your material list for the number of pickets, panels, posts and gates.

## BUILD YOUR FENCE

- 1 Stake out your fence making note of all gate locations.
- 2 Tie masonry string between corner post locations to determine the fence line. Mark post locations along this line. Posts should be spaced no more than 8' on-center.
- 3 Beginning with your corners, dig a 10" wide hole that is deep enough to extend below frost line. A good rule of thumb is for 1/3 of each post to be buried below ground.
- 4 Backfill each hole with 4" of gravel to help with drainage. Mix the concrete and pour into hole checking for plumb and bracing if necessary.
- 5 Once corner posts are set, pull a string between them to establish a reference for setting line posts in line.
- 6 Dig holes and align each post with the string. Check each for plumb and set with concrete mix. Allow concrete to set (24- to 48-hours).
- 7 Attach 2"x4" rails to the posts being sure to stagger joints. Each rail should be no more than 24" apart. A 6' tall fence will need three rails. Attach with hot-dipped galvanized or stainless steel nails or screws.
- 8 Beginning on one end attach fence pickets with galvanized or stainless steel nails or screws. Butt the boards together tightly to minimize the gap created from shrinkage. For a consistent picket height, you may want to pull a string along the length of the run. All pickets should be at least 2" off the ground.
- 9 Install gates with appropriate hardware.
- 10 Apply a water repellent, stain with water repellent or paint when pickets are surface dry.



## FENCE STYLES



BOARD-ON-BOARD



SHADOWBOX



STOCKADE