

KASTLEGARD™

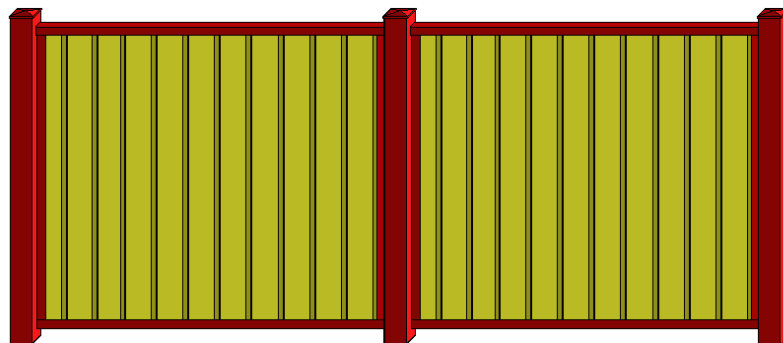
TITAN



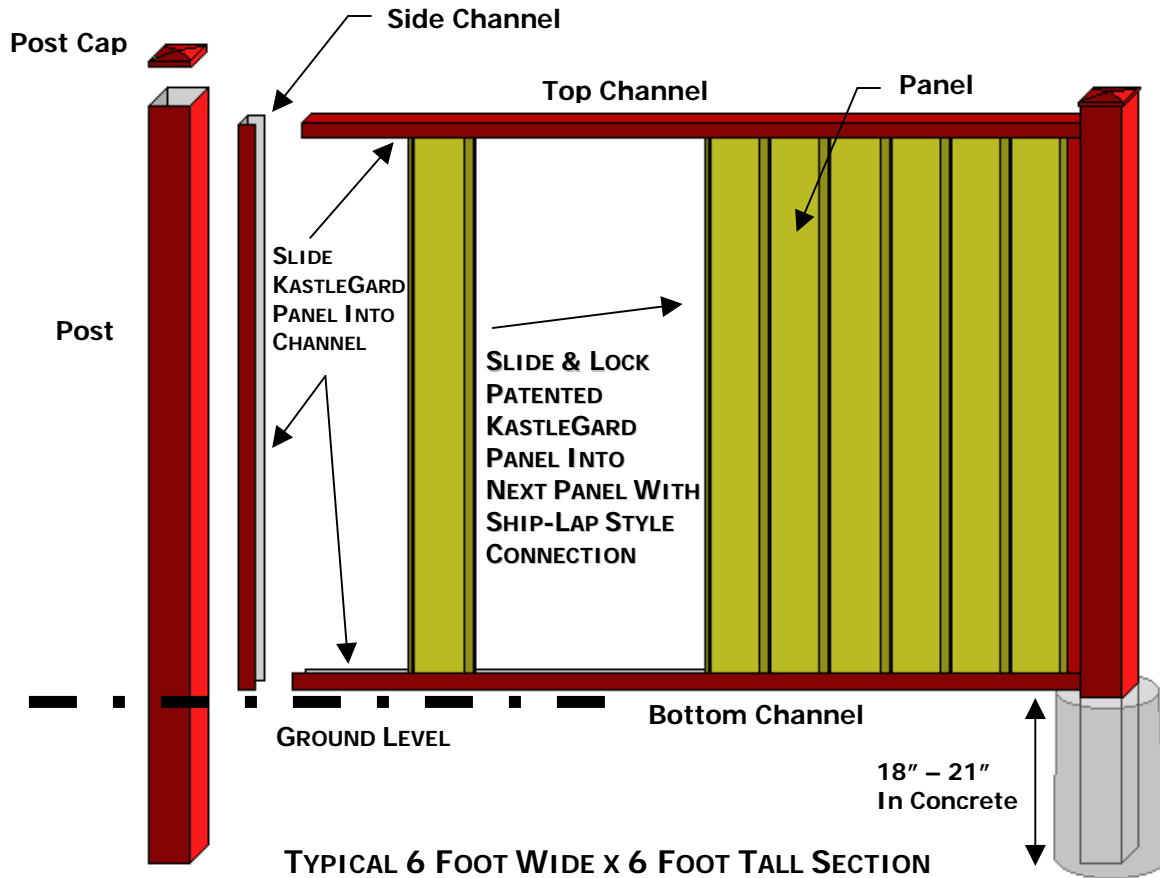
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INSTALLATION INSTRUCTIONS

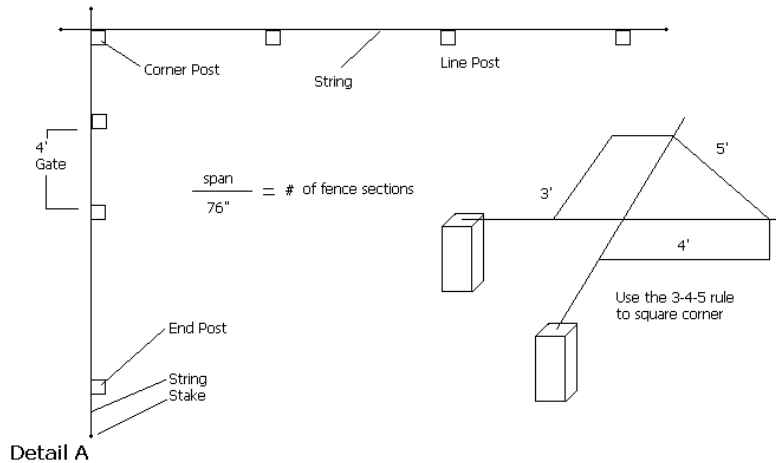
Privacy Fence Installation 6' x 6'



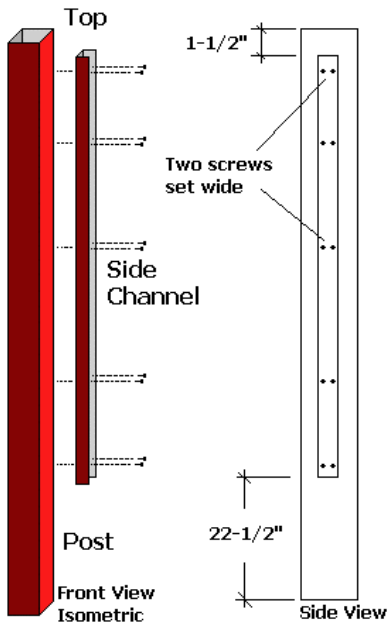
Installation Instructions for KASTLEGARD Titan Series



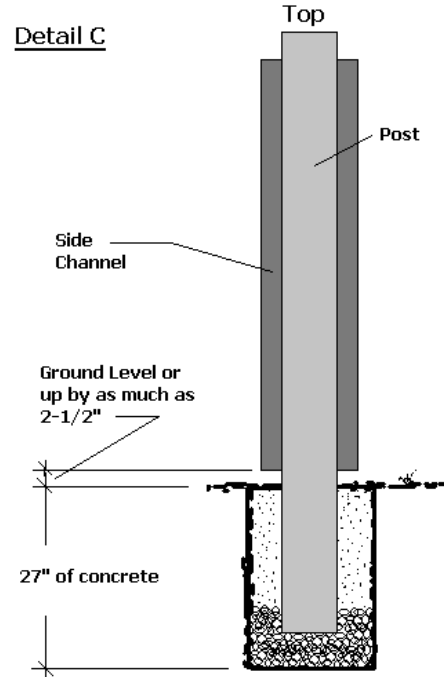
- 1) Check with local ordinances on rules and regulations before building fence in your area.
- 2) Before any digging is done, contact the local utility companies to identify any buried lines, cables, pipelines, etc.
- 3) Layout fence line. (See Detail A).
 - a. Check property line and establish correct line for your fence.
 - b. Establish fence line approximately $\frac{1}{4}$ " from outside edge of posts. We suggest using a couple of stakes with nylon string stretched tight to create a straight line.



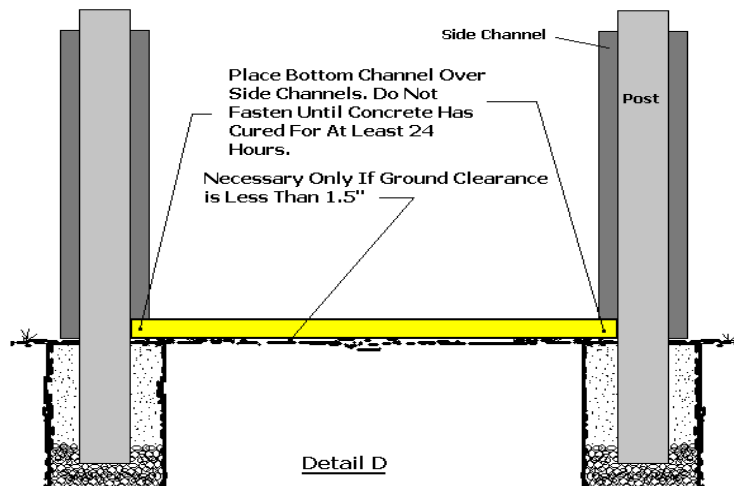
- 4) Using the layout, mark and dig all holes 9" x 9" wide and 27" deep at 76" center to center of holes. Use of an actual "Bottom Channel" and a "Post" for spacing is recommended. Top and Bottom Channel may be trimmed for Gates and Sections less than 72" wide.
- 5) Install Side Channel to Post prior to setting post in concrete mix. You will determine the height of the fence to the ground and the distance from the top channel and the bottom of the cap at this stage. (See Detail B). You may set the Bottom Channel directly on the ground or raise the Bottom Channel up as much as 2-1/2" from ground level.



Detail B

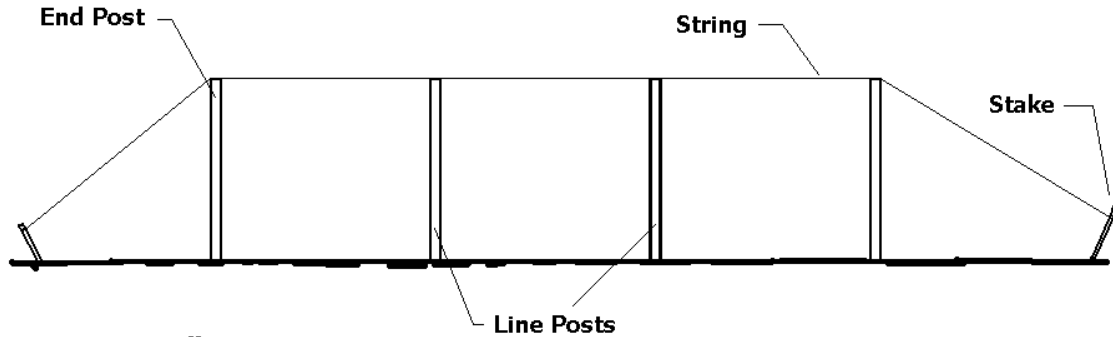


- 6) Place a spacer such as a brick, rock or gravel in the bottom of the hole to allow for post height adjustment. Spacer may be used to hold the post in place until the concrete mix is poured. (See Detail C).
- 7) When mixing concrete to pour around the base of the post, use one part cement, two parts gravel, four parts sand and enough water to make into a thick consistency. You may also use a commercial "pre-mix" and follow the instructions on the bag.
 - a. After the concrete is mixed, pour it around the outside base of the post. Filling the inside of the post should be done after fence sections are installed. Before the concrete is set, make sure the posts are plumb and straight. If you are setting the Bottom Channel at less than 1-1/2" from ground level, you should have the Bottom Channel in place (not fastened to side channel at this point). (See Detail D).



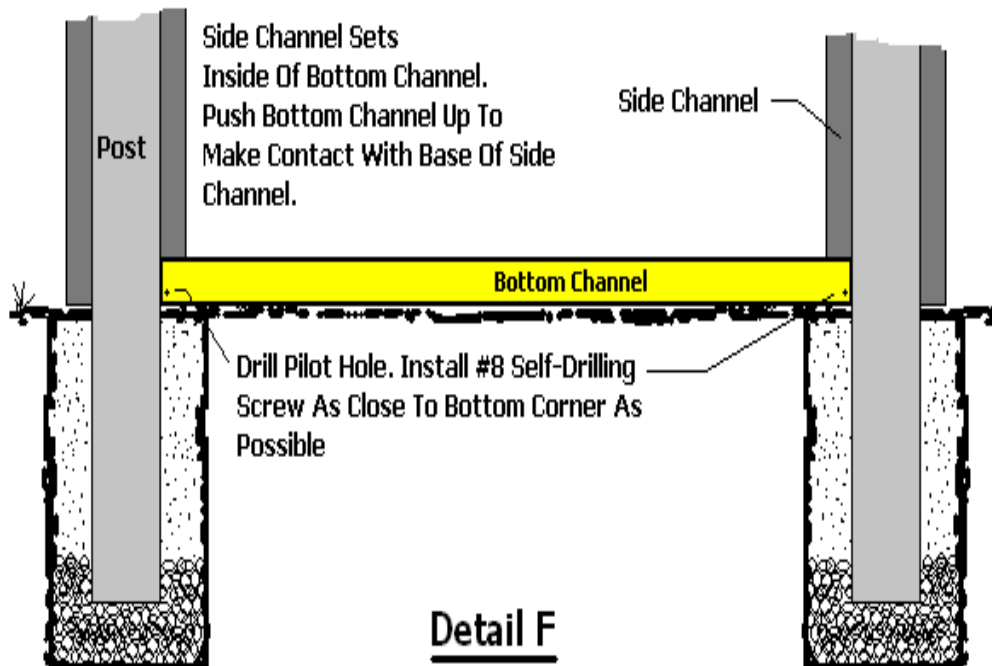
Detail D

- b. To maintain post height, we suggest setting up a string plumb line. (See Detail E). The post heights may be adjusted lower by placing a block of wood on top of the post and gently hammering the post deeper. Should the post need to be raised, a 1 x 4 can be placed under the Side Channel and used as a handle to pull the post up to the desired height. Allow the posts to set for 24 hours before installing fence panels. Posts must be leveled before concrete sets.



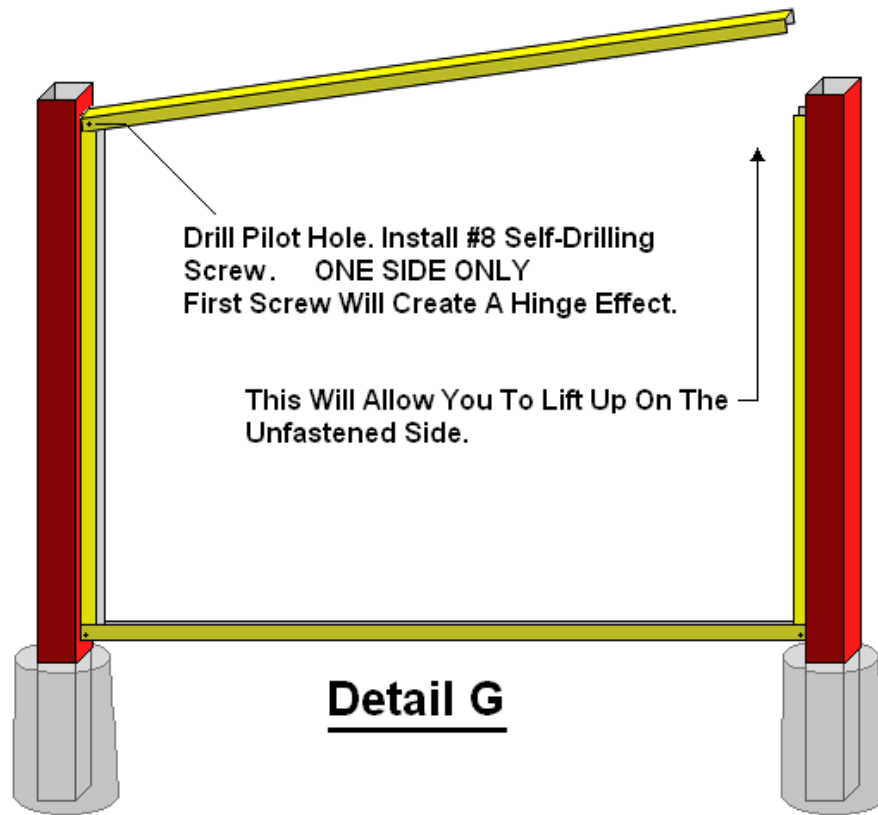
Detail E

- 8) Check parts received with packing list, which corresponds with the length of fence purchased. Typical 6' x 6' Fence Section Contains The Following:
- One Top and One Bottom, 1-1/2" x 2" "U" Channels.
 - Two Side, 1-3/8" x 2-13/16" "U" Channels.
 - Twenty-Two Panel Halves
 - Twenty #8 x 9/16" Self -Drilling Screws. Note: Always drill a 1/8" pilot hole for best results.
 - One 3-1/2" x 3-1/2" x 96" Painted Post.
 - One Standard Square Post Cap (Unpainted)
- 9) Using #8 x 9/16" screws, attach Bottom Channel to outside of Side Channel. (See Detail F).

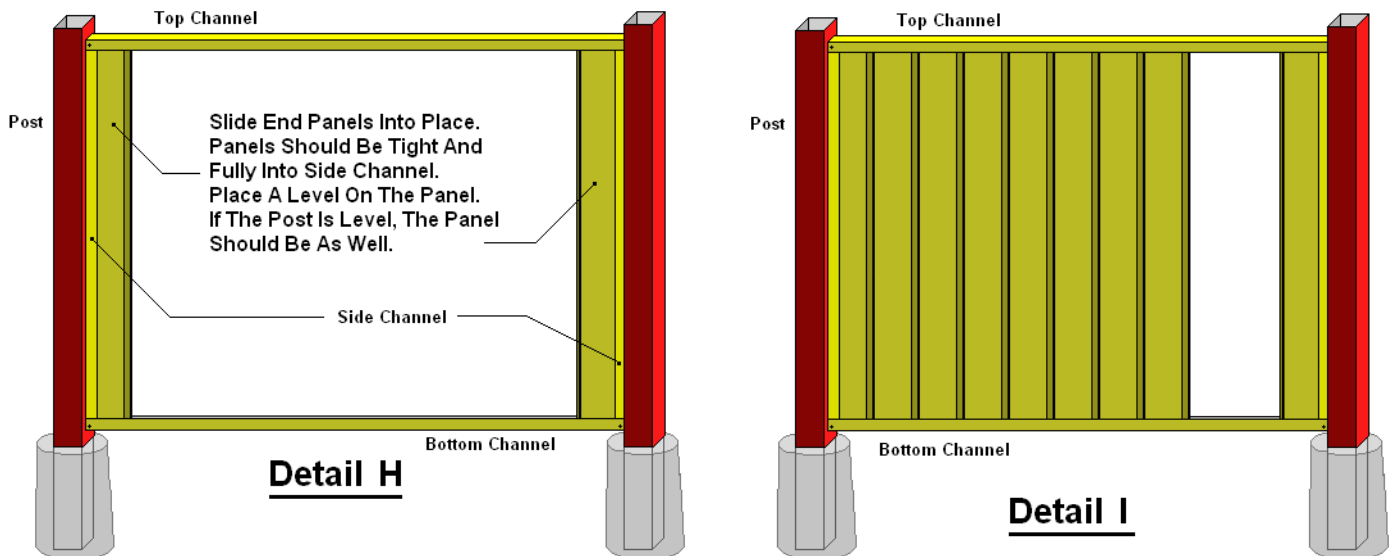


Detail F

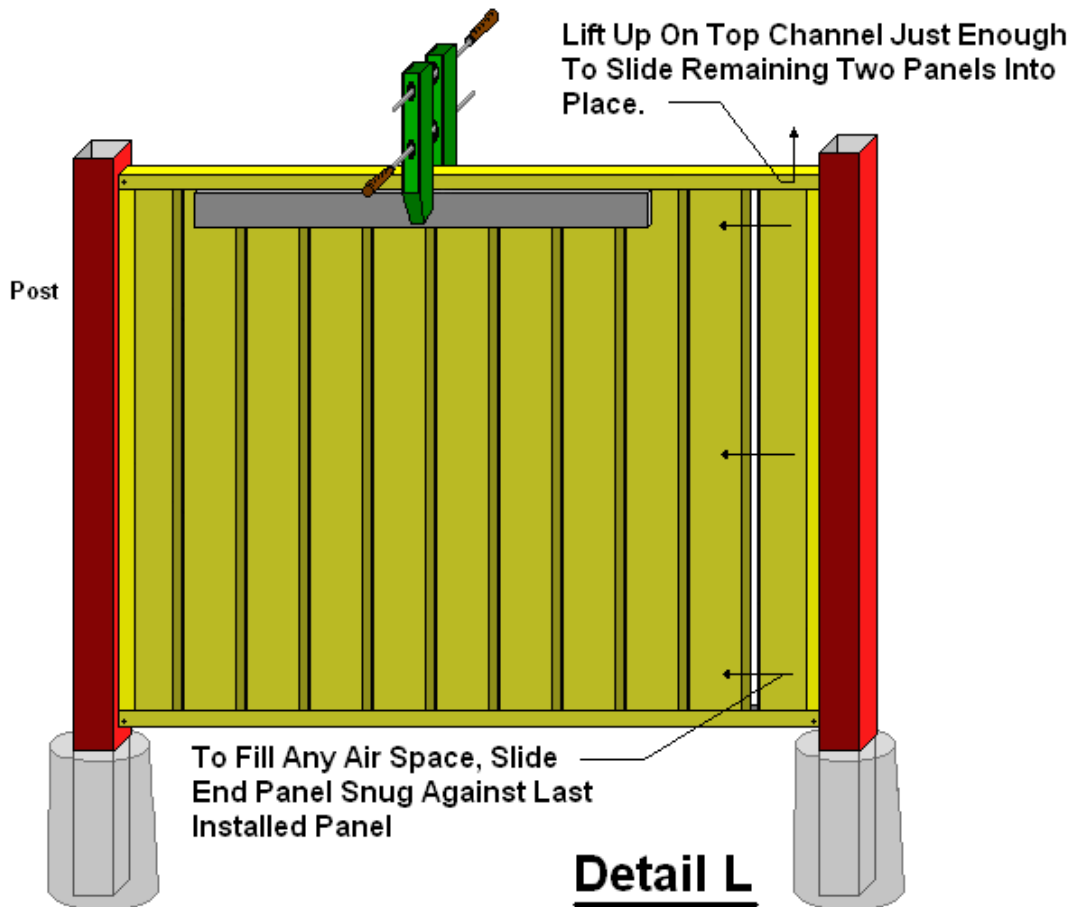
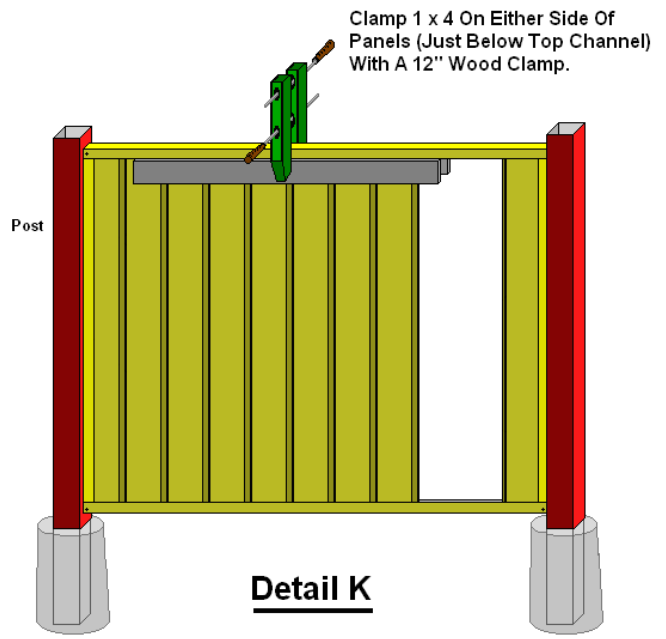
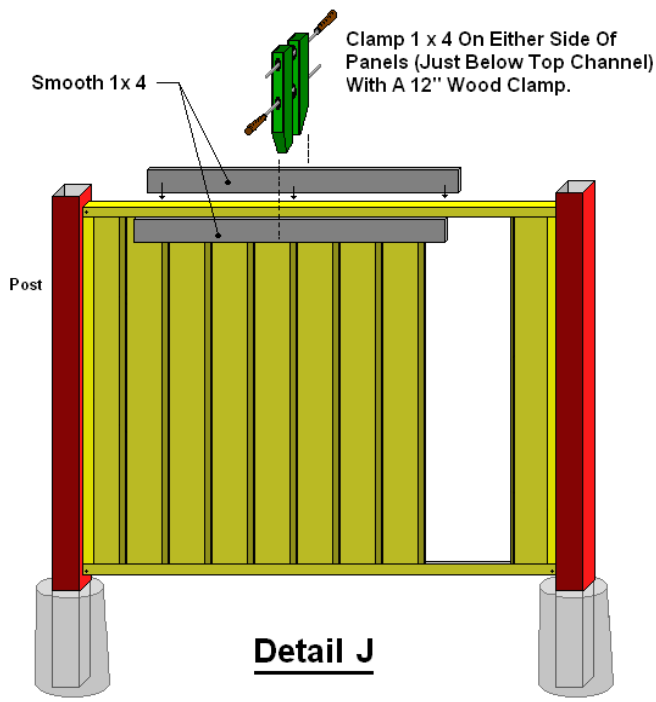
- 10) Using one #8 x 9/16" screw, attach Top Channel to outside of Side Channel. Attach only one end for now. (See Diagram G).



- 11) Slide first two Panels into Top & Bottom Channels and make sure the Panels are tight against and fully into Side Channels. (See Diagram H). You will be able to slide all but the last two Panels into place without difficulty. (See Diagram I).

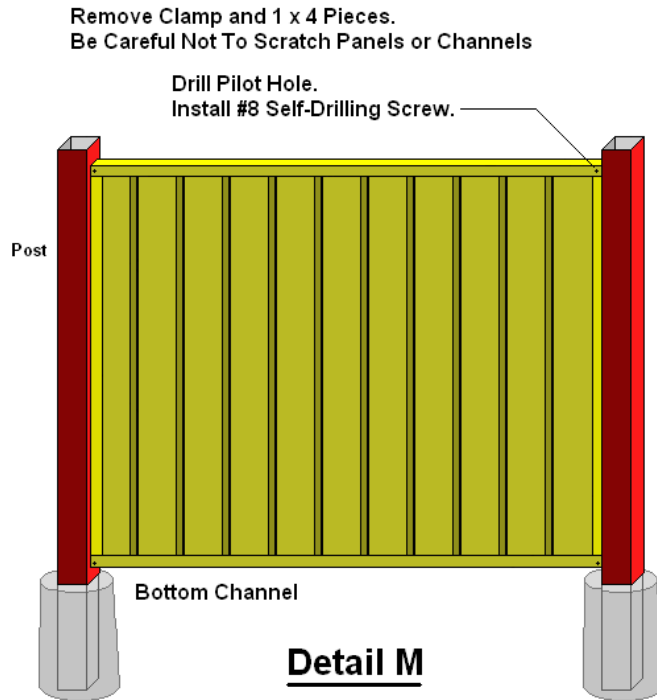


- 12) Hold the installed Panels in their place with two smooth 1 x 4's and a large wooded clamp. Lift Top Channel from non-fastened end. The clamped panels should stay in place. Slide the remaining Panels into place, lower the Top Channel and adjust the Panel spacing. Secure Top Channel with a #8 x 9/16" screw. (See Diagram J, K, L and M).

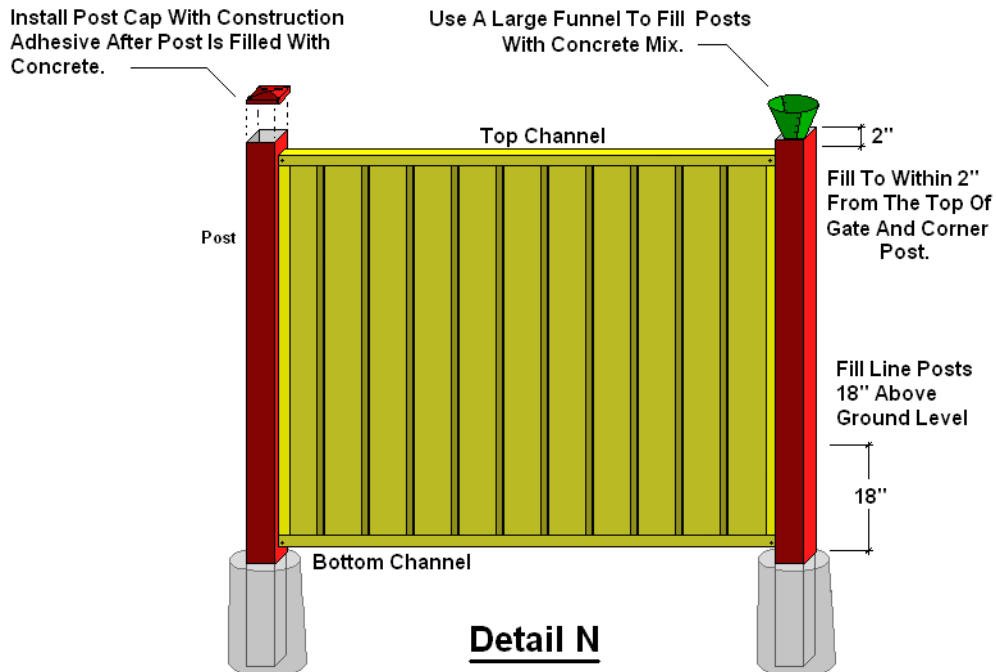


- 13) **Repeat this process until all sections have been completed.** After all gate and fence sections are secure and all gate hardware is installed, concrete may be added to the inside of the posts for added strength. Gate and Corner Posts must be filled with concrete.

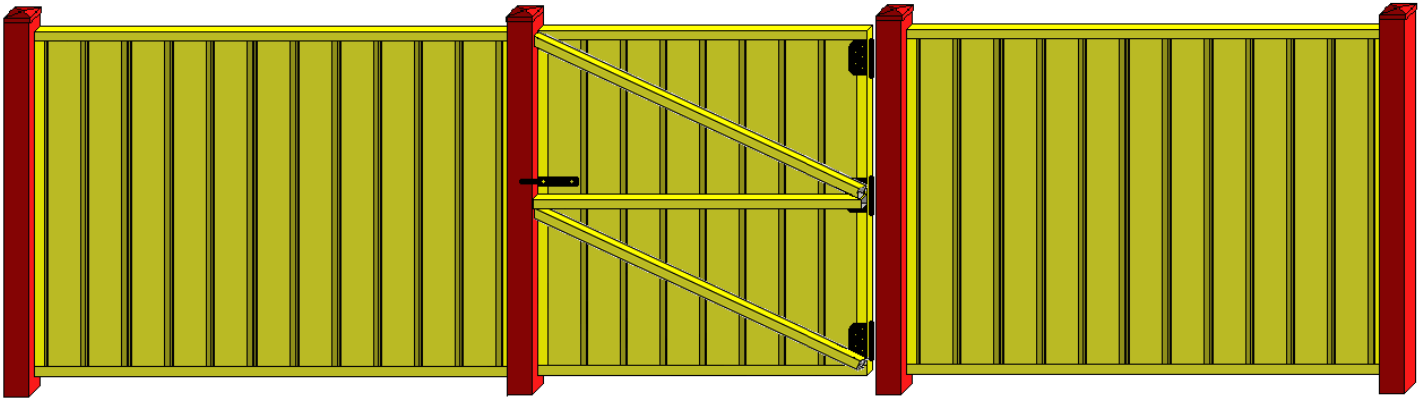
Follow the concrete mixing instructions. Carefully fill gate and corner posts to within 2" from the top. (See Detail N). Fill line posts 18" above ground level. When pouring cement into post, gently tap side of post to insure no air pockets are in the cement. **DO NOT LOOK INTO THE TOP OF THE POST WHEN FILLING WITH CEMENT TO PREVENT SPLATTERING CEMENT INTO EYES.** Do not let cement dry onto outside of post, channel or panels. Rinse off dripped concrete with clean water while concrete is still wet.



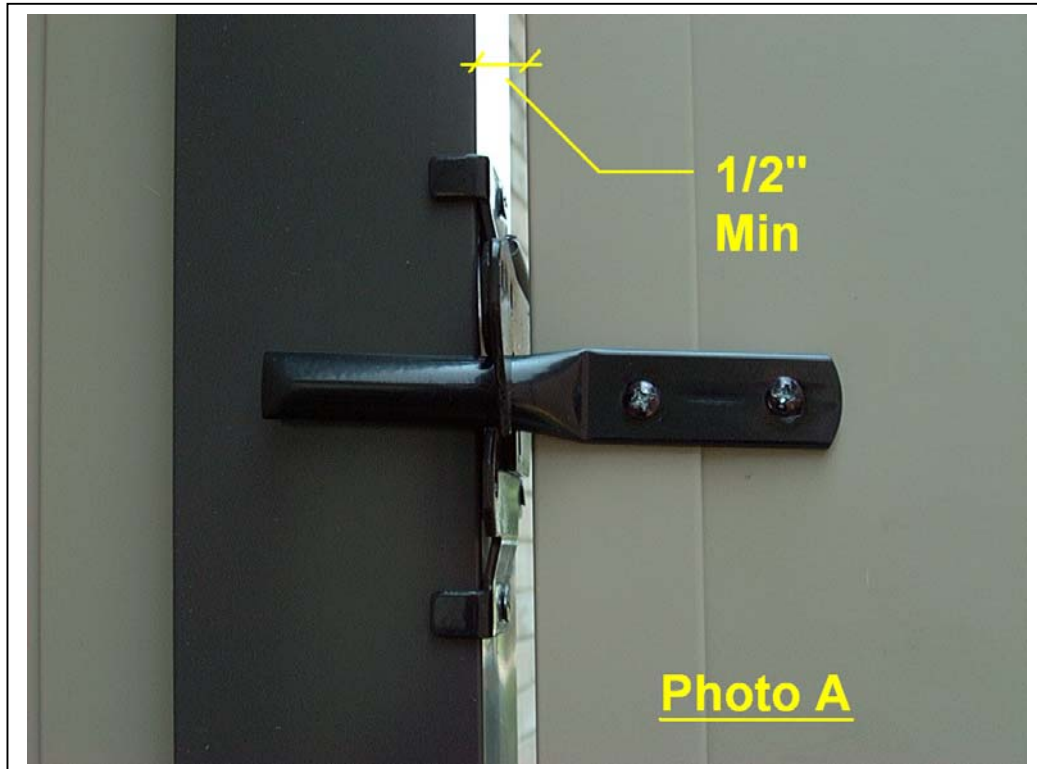
- 14) Paint Post Caps with Optional matching paint. Install Post Caps with any construction adhesive designed to bond metal-to-metal.
- 15) KastleGard paint finishes are similar to an automobile paint finish. Clean up with a mild biodegradable soap and soft sponge. Rinse with clean water.



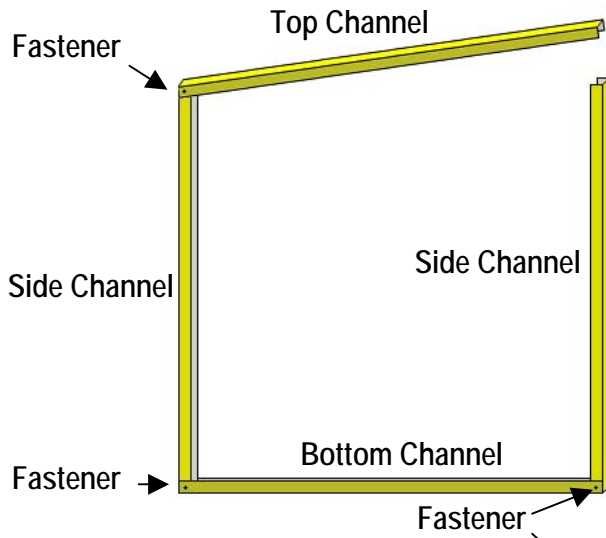
Gates



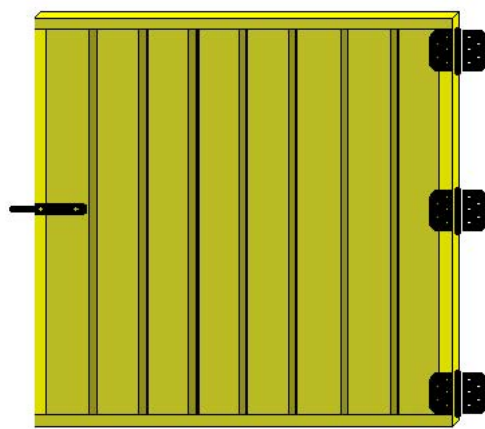
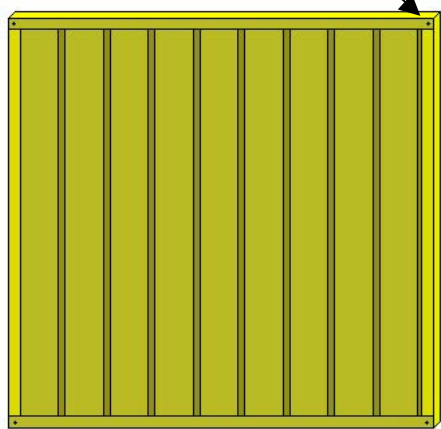
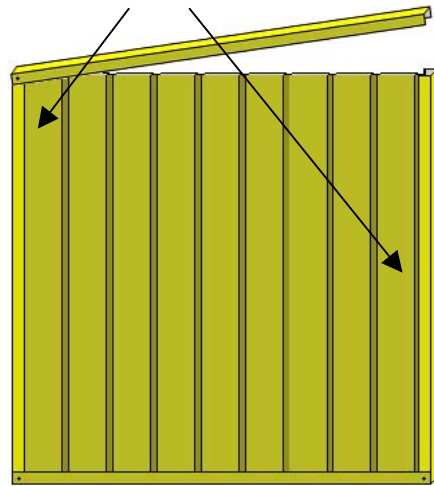
Gates are assembled in the same manner as the fence sections except that the Side Channels are not attached to the Posts.. You may custom fit your gate to any size. We suggest a maximum width of four feet. Most any kind of gate hardware may be used with KastleGard. Measure gate frame to fit between two posts. We recommend leaving at least a 1/2" space between the Post and the Gate Assembly. This is to insure the gate opens freely without contacting post to channel. (See Photo A).



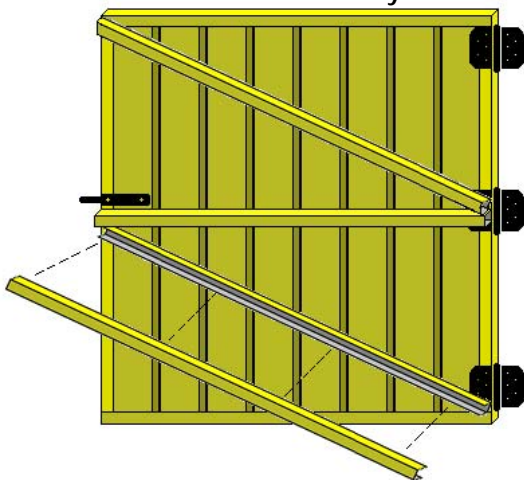
Assemble gates on a flat level surface. Insert pressure treated wood inside panel halves where gate hardware will attach. This will lessen the chance of stripping out the screws and help to insure a secure hardware-to-fence/post connection. (See Detail P).



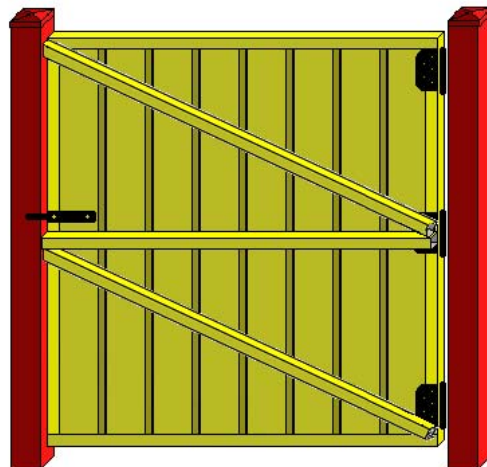
Insert Treated Wood Into Panel Halves Where Hardware Is To Be Attached



Use Double Channel For Stabilizing Bars One Side Only



Typical Completed Gate Assembly



DETAIL P