

TECH TEAM

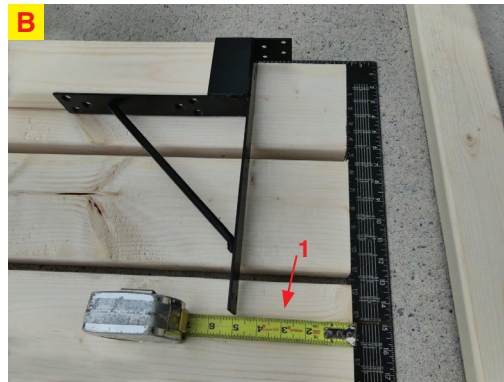
THE PERFECT GATE MAKER

The Tech Team 738 Gate Bracket Set is designed to provide the necessary fixturing to make a square solid gate. Basic carpentry tools and knowledge of basic wood working will allow you to build a solid square gate. The brackets are constructed from welded, powder coated, heavy gage, carbon steel and are cross braced so they are extremely strong and can maintain rigid 90° corners. Keeping a gate square and rigid and being able to construct it simply, quickly, and efficiently is easy to accomplish with this set.



Measure the opening for your gate. The gate we are illustrating is 36" wide x 48" high but this is for the purpose of illustration only. Using fascia boards (3/4" x 6" would be appropriate) position the corner brackets as shown.

Throughout the entire process it is suggested to use a rafter square to establish the frame and fascia slats in the correct orientation. In addition, it is a good idea to butt a straight edge against the edge to keep the brackets flush with the edges of the fascia slats.



When positioning the corner brackets, it is suggested to move them 2"-4" from the bottom and top edges of the gate as shown. (See #1) This allows sufficient overhang so that the top and bottom edges can be trimmed if necessary.

Screws have not been included since there is no "typical" installation and the choice of framing and fascia will vary from one user to another. For the frame and hinges, if 2x4's are used, our suggestion is to use #8x2" screws. 36 for the brackets and 8 for each hinge. For the fascia use #6 or 8 screws that are 3/4"-1" +/- longer than the thickness of the board. For best results all screws should be weather resistant.

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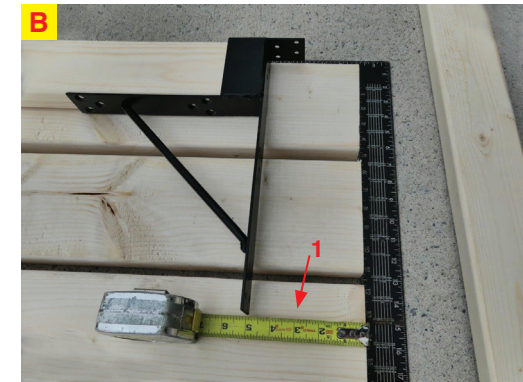
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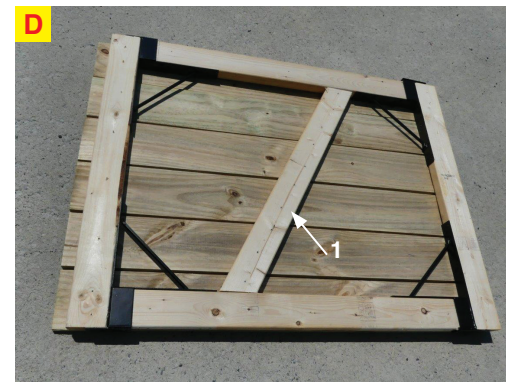
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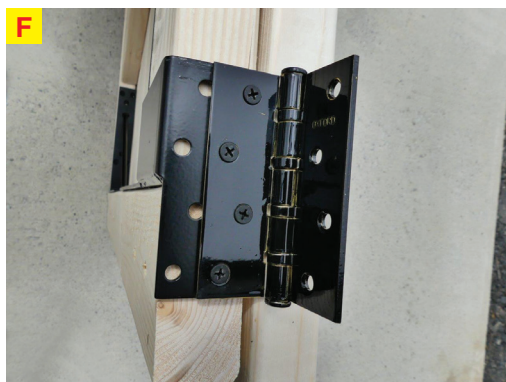
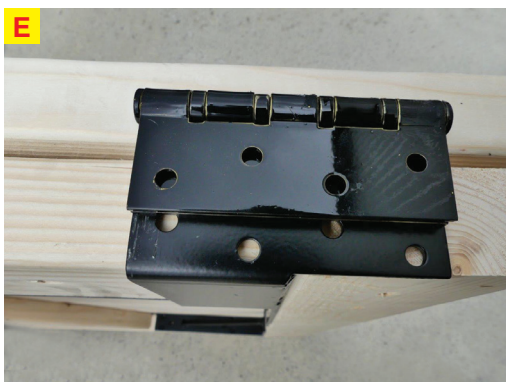
Attach the lower and upper brackets to the upper and lower 2x4 cross members (2x3" can also be used for cross members 2 x 4's must be used for side members). Make sure to use 9 screws when attaching each bracket.

Fit the brackets together as shown. This will form the basic frame. A cross brace is optional. (See #1) Turn the gate over and insert screws through the fascia.



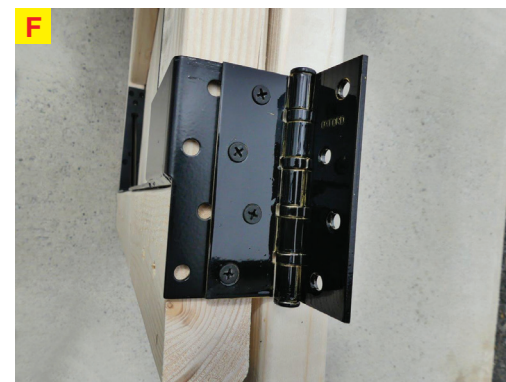
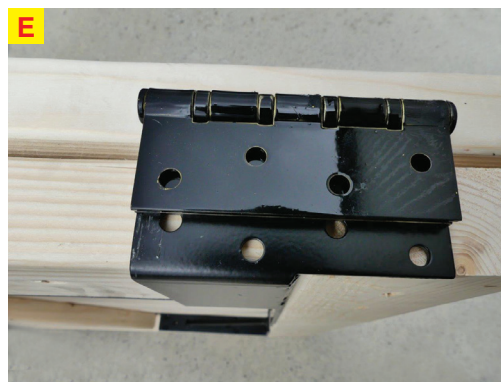
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The placement of the hinge is important. The hinge pin side of the hinge must face the direction that the gate opens. If you operate the hinge, you will see exactly what we mean. Orienting it correctly at the beginning is much easier than having to redo it afterwards. Mount the hinge before securing the fascia boards making sure that the fascia board closest to the hinges does not contact the hinges and cause binding.

Using screws of sufficient length so that they support the weight of the gate and do not pull out of the frame (remember the gate is heavy), secure the hinge to the bracket through the holes in the bracket. The holes in the corner bracket have been made to line up with the holes in the hinge. The gate is now complete and ready for hanging.



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