

# Building A Patio Enclosure

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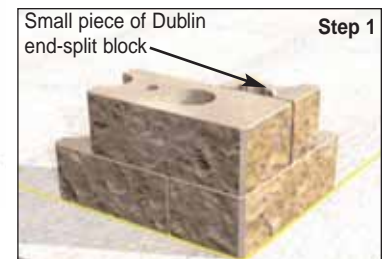
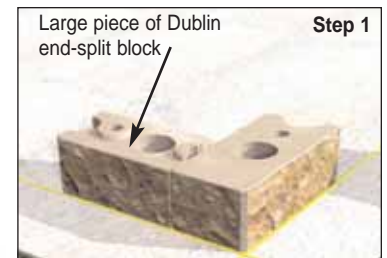
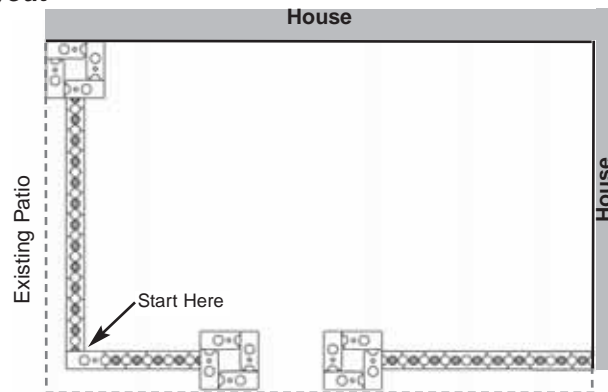
## Basic Steps for Building a Patio Enclosure



Use The Courtyard Collection to create a beautiful, maintenance-free enclosure around your patio. This project demonstrates how to build a patio enclosure using posts, corners and wall panels on a hard, level surface, such as concrete or pavers. To build on soil, you must create a foundation pad. Refer to How-to sheet #220 for more information on alternative foundations.

Determine the layout of your enclosure and mark out a guideline for the placement of the walls and posts. In this example we are incorporating corners and posts with the wall panels.

### Project Layout



Corner Block



Dublin Block



York Block



Wall Cap



Post Cap

### Step 1 Start at the Corner

If corners are in your design, always start the building process there and work out in both directions (Figure 1). Starting at the corner allows you to make adjustments if necessary at the end of the wall panels by splitting or cutting blocks. Adjustments can not be made at the corner or within the wall panels.

Figure 1: Corner Layout

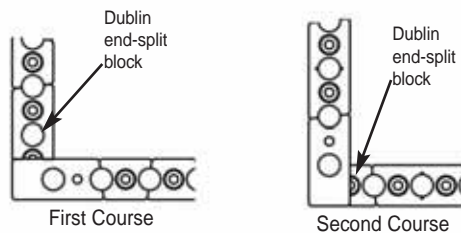
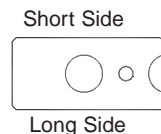


Figure 2: Corner Block



Place a Corner block along the guideline at the corner location with the long side facing out (Figure 2). Then, split a Dublin end-split block along the splitting notch and place the large piece with the split side against the Corner block (Figure 1). Splitting the block creates a straight edge so there will not be a gap where the blocks meet. See How-to sheet #210 for more information on splitting blocks.

Next build the second course of the corner, alternate the position of the Corner block to face the opposite direction of the one on the first course (Figure 1). Use the remaining small piece of the Dublin end-split block and place it with the split side against the Corner block to finish the corner. Installing the first two courses at the same time will ensure proper alignment of the entire project. See How-to sheet #180 for additional information on building corners.

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### Step 2 Build the First Wall Panel

Begin building the first two courses of the wall panel out from the corner in both directions in the pattern you have chosen. In this example we are using a combination of York and Dublin blocks (Figure 3). Continue building in both directions to where the posts will be located.

The last block on every course of the wall panel next to the post or the house will be a split block (Figure 4). Using a split block allows the panel to be flush with the post. If a standard angled block shape is used there will be a gap where the panel and the post meet. If additional adjustments to the wall panel are needed, make them here before building the post.

To end at the post, Alternate the split blocks used on every other course. We used a Dublin end-split block on every other course. Place the small piece with the split side facing out toward the post location. On the alternate courses we used a Dublin center-split block. Place one half with the split side facing out toward the post location. Depending on your wall panel pattern you may need to reverse the order of the split blocks on each course.

### Step 3 Build a Post

Install the first course of the post with 4 Corner blocks with the long sides facing out (Figure 5) centered with the wall panel. Then align them with a square making adjustments as needed. Shims can be used to help level the blocks if the existing surface being built on is not level.

On the second course, place the Corner blocks so that they overlap the blocks beneath them. This pattern will offset the vertical seams. See How-to sheet #220 for more information on building posts.

Figure 3: 1st Panel Course Layout

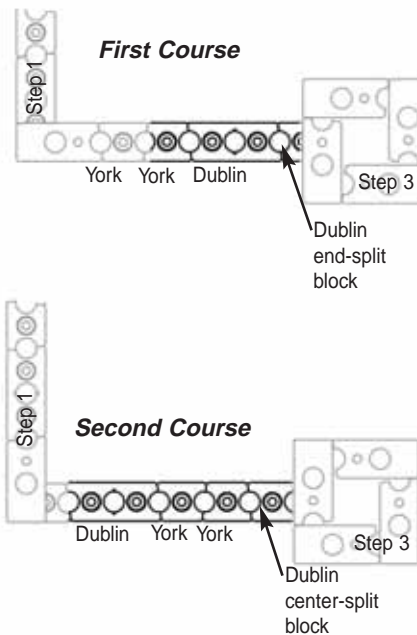


Figure 4: 1st Wall Panel Layout

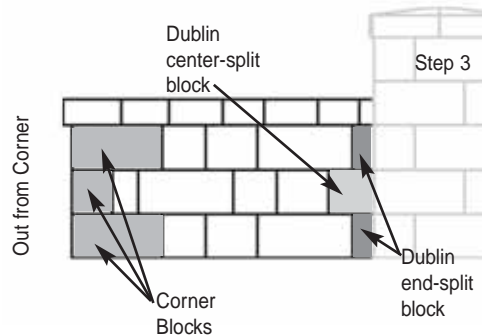
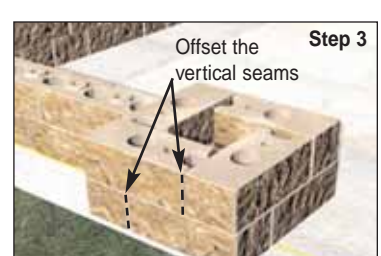
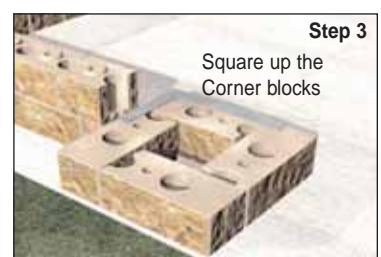
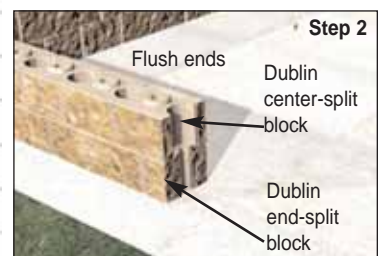
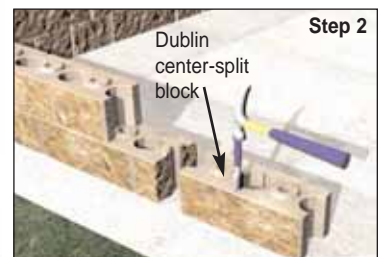
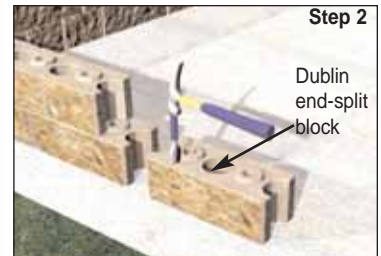
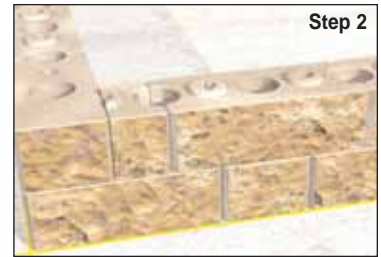
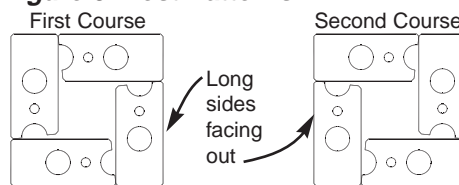


Figure 5: Post Patterns



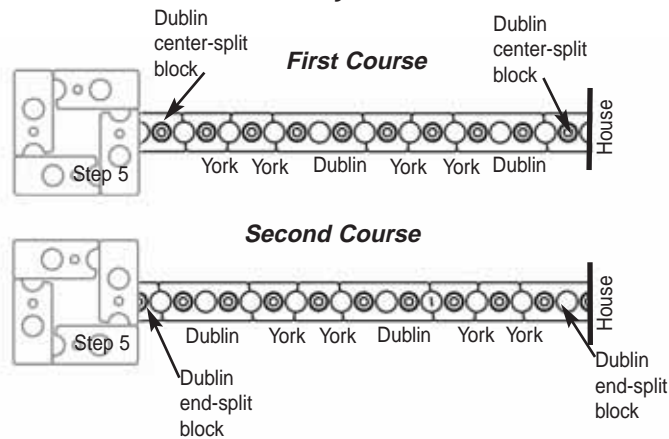
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### Step 4 Build the Next Wall Panel

In this section, we are building the wall adjacent to the house (Figure 6). To do this we will repeat the same steps used when ending a wall panel at a post as shown in Step 2. To build a wall panel off any flat surface you will need to split blocks. Using a split block allows the panel to be flush with the house.

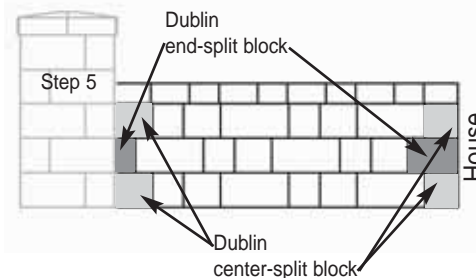
**Figure 6: 2nd Wall Panel Course Layout**



See *How-to sheet #210* for more information on splitting blocks. On every other course you will need a Dublin center-split block. On the alternate courses you can use either a Dublin end-split block or a York center-split block.

Use a Dublin center-split block to start the first course. Place one half with the split side against the house (Figure 7). Save the other half for the end of this course where it meets up with the post. Place the next block of the first course against the split block. We recommend installing the first two courses of the wall panel at the same time to ensure proper alignment.

**Figure 7: 2nd Wall Panel Layout**

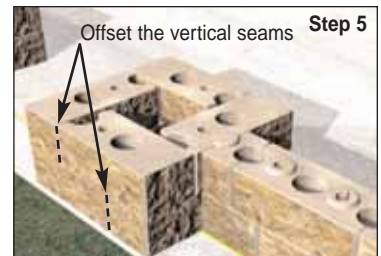
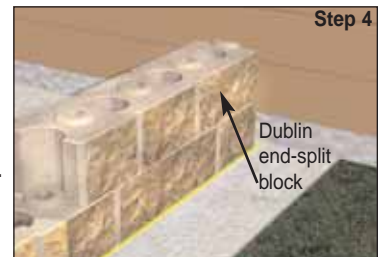
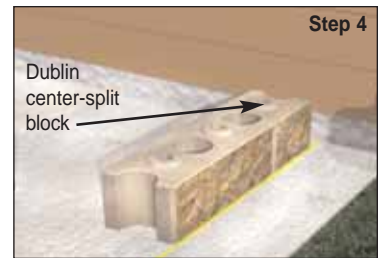
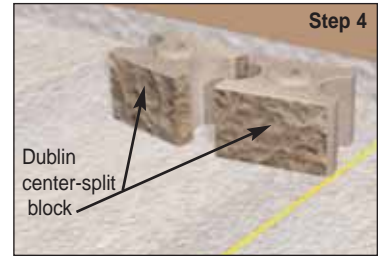


On the second course, split a Dublin end-split block and place the large piece with its split side against the house. Save the small piece to use at the end of this course. Continue stacking the wall panel to the next post location using the pattern you have chosen, ending each course with the remaining split block used at the beginning of that course, with split side facing out

### Step 5 Build the Next Post

At the end of the wall panel install the next post using the same layout as in Step 3. Then align them with a square. Place the next course of Corner blocks, making sure to offset the vertical seams from the blocks below.

Repeat steps 1-5 for any additional wall panels, posts or corners incorporated into your design.



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### Step 6 Build Additional Courses

Once the first 2 courses of the project are in place, stack additional courses on the posts and wall panels. Alternate the pattern on every other course until the desired height is achieved. In this example we have built post 5 courses high and wall panels 3 courses high.

### Step 7 Cap the Posts

Finish each post with two Post Caps. To secure the Post Caps in place, apply a bead of masonry adhesive along the outside edge of the top course of Corner blocks and then set the Post Caps in place (adhesive optional).

### Step 8 Cap the Wall Panels

Finish each wall panel with Wall Caps. Starting at the corner place the two Wall Caps following the wall in the same direction.

Place Wall Cap(A) with the long end facing the outside of the wall (Figure 8). Alternate the direction of the Wall Cap next to it for a straight wall.

Next place Wall Cap (B) on the other side of the corner. Place the short end of the Wall Cap facing the outside of the wall. Make adjustments as necessary to ensure they line up properly at the corner.

Secure the Wall Caps in place with a bead of masonry adhesive along both sides of the raised rings and along the sides of each Wall Cap (adhesive optional).

### Materials Needed

Corner Blocks  
York Blocks  
Dublin Blocks  
Wall Caps  
Post Caps  
Masonry Adhesive

### Tools Needed

Square  
Measuring Tape  
String Line  
Saw with a Masonry Blade  
Hammer & Chisel  
Safety Glasses & Work Gloves

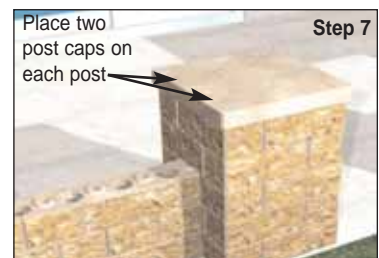
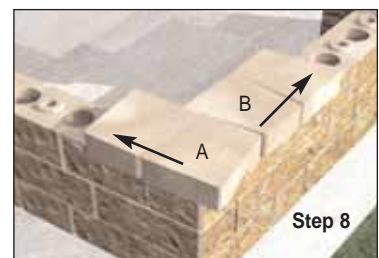


Figure 8: Wall Cap



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