

# Mocha Patio Package Design

Patio Package B - Mocha

How-to sheet #505

Page 1



[Watch the video here](#)



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Create a versatile outdoor room using the AB Courtyard Collection from Allan Block. The Mocha package brings you a large space for entertaining or relaxing with friends. The walls offer a defined border to your outdoor area with a built-in bench section for extra seating while the posts provide the entrance to your backyard space.

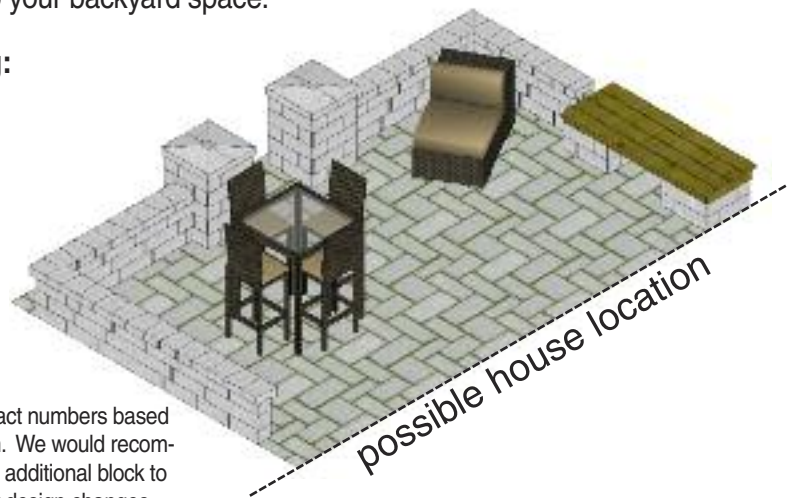
## Provided are instructions to build the following:

- |               |                     |
|---------------|---------------------|
| Posts/Columns | Wall Panel Sections |
| Corners       | Finished Ends       |
| Bench Seating |                     |

## Number of blocks needed for this project:

- 19 AB Dublin (TOTAL)
  - 2 AB Dublin cut in half
  - 7 AB Dublin cut at raised ring
- 46 AB York
- 73 Corner Block (TOTAL)
  - 1 Custom Cut Corner Block
- 38 Wall Caps
- 4 Post Caps
- Flexible Concrete Adhesive
- 1 Bench Material
  - 1 - 24 in. x 60 in. (60 cm x 150 cm)

These are the exact numbers based on our installation. We would recommend purchasing additional block to accommodate for design changes, shipping or breakage.



This project is being built on a paver patio that is 12 ft x 19 ft and is 228 ft<sup>2</sup> (3.6 m by 5.8 m and 21 m<sup>2</sup>) For information on building the paver patio, see ICPI.org.

## Blocks used in this project.

AB Dublin Block



AB York Block



Corner Block



Wall Cap



Post Cap

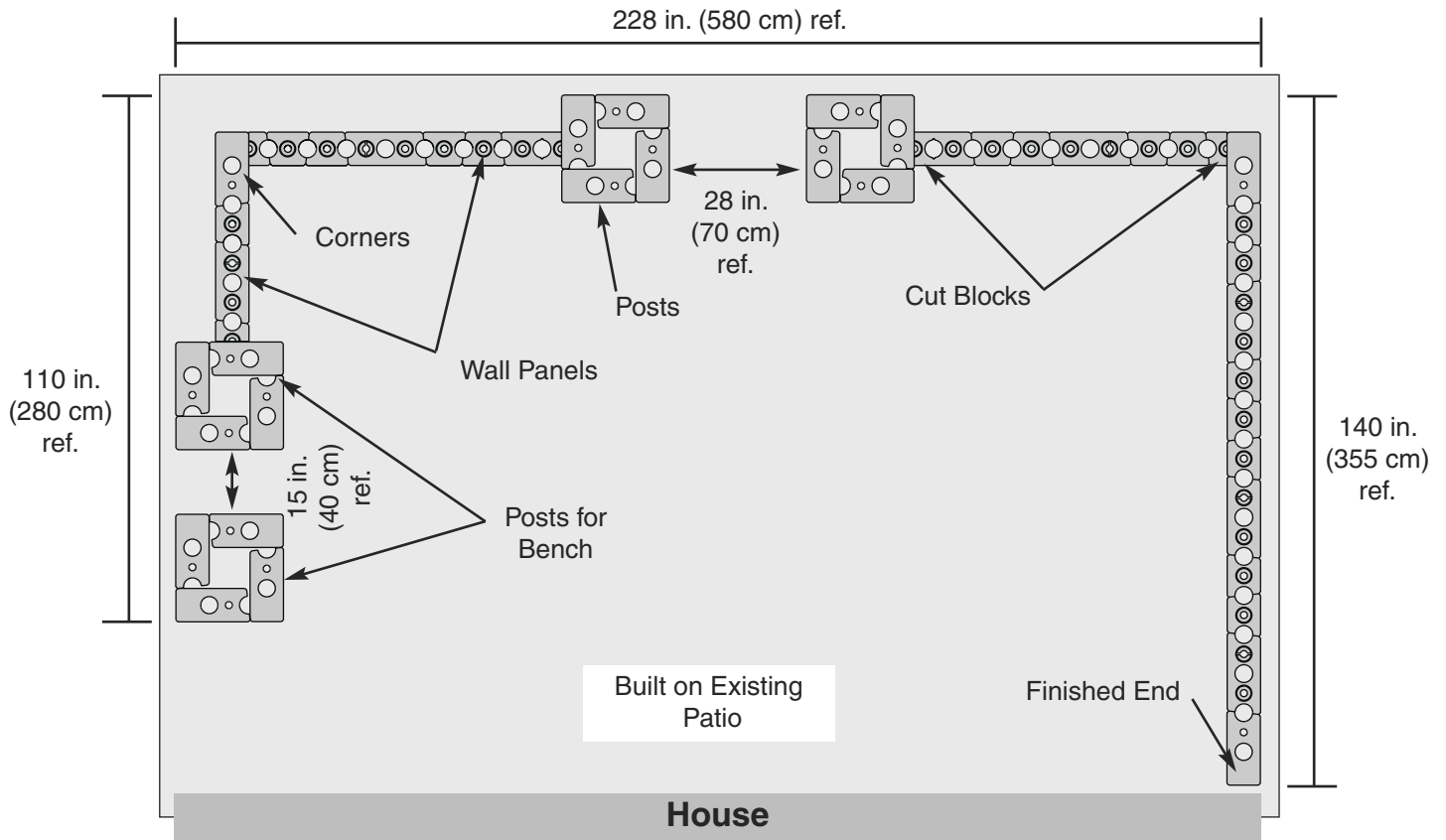


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# Installation

Building the Mocha package will require cutting some blocks. See the [Reference Guide for Building with AB Courtyard](#) and [How-To Sheet #210](#) for more detailed information.

This project will easily fit in a 12 ft by 19 ft space (3.6 m by 5.8 m). These basic instructions can be modified to fit a different patio size by extending or shortening the wall panel sections. This layout is designed to be built right out from a house. The dimensions (ref.) are to give an overall scope of the project only.

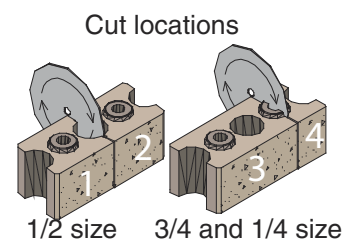


**1st Course Block Layout**

Some of the tools you will need:

- |                          |                |
|--------------------------|----------------|
| Saw with a diamond blade | Gloves         |
| Level                    | Tape Measure   |
| Square                   | Safety Glasses |

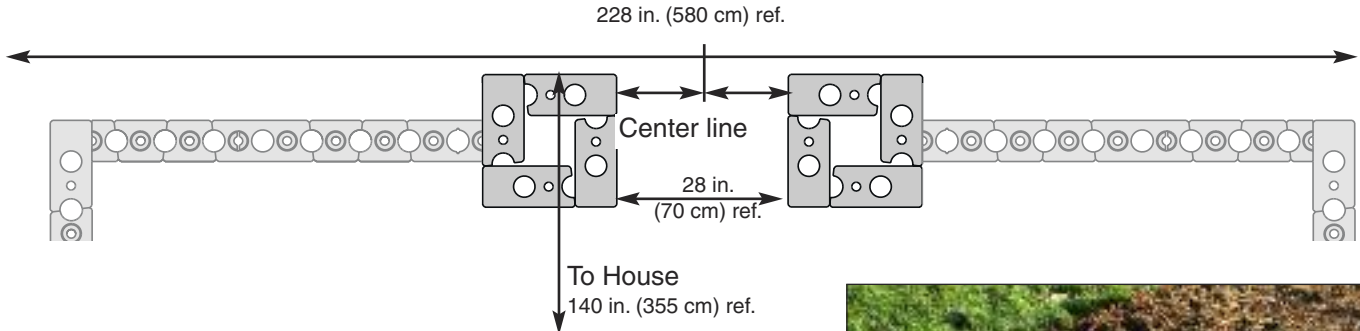
Some AB Dublin blocks will need to be cut to build this package. They will be referenced as 1-4 in the following pages.



# Installation

## Step 1 Determine Post /Column Locations

Start by locating the placement of the posts. The open space and the posts should be centered on the patio. The opening can be larger, if changed during construction, this will leave a few extra blocks at the end.



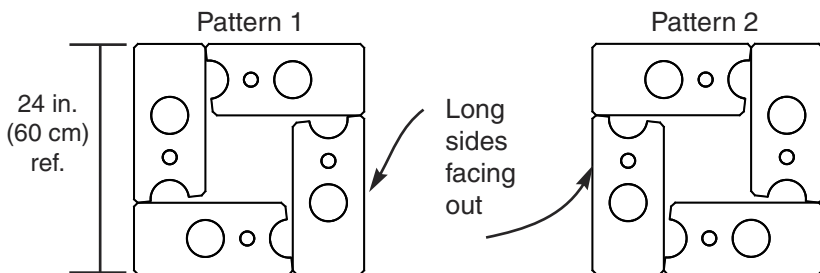
Install the first course of the post/column with 4 Corner blocks with the long sides facing out. Then align them with a square making adjustments as needed. Shims can be used to help level the blocks if the existing surface is not level.

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/columns.



Determine Layout



**NOTE:** The posts that will be built for the bench can not be built until the wall panels leading up to them has been built. The wall panels will determine where the next posts will be installed. Doing in this order will ensure every block meeting up with the post will not need to be custom cut.



First Post Course

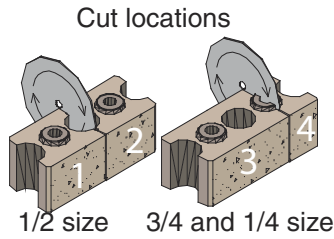


Second Post Course

# Installation

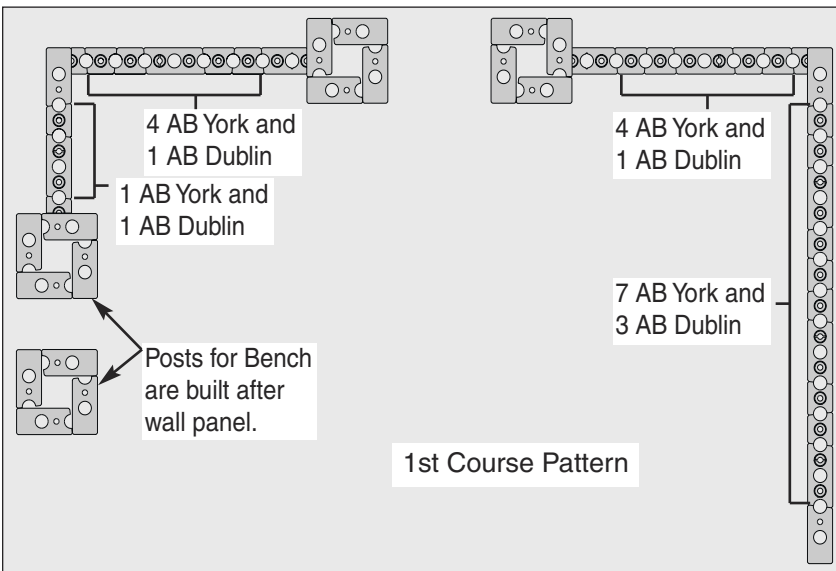
## Step 2 Start the Wall Panel

When stacking wall panel sections, building the first 2 courses at the same time will help with proper alignment. To start this section, use an AB Dublin cut at the raised ring, install the 3/4 sized block centered on the side of the post with the cut side facing the post to create a finished look.



Stack 4 AB Yorks and 1 AB Dublin block in the order chosen to reach the location of the corner. Place the 1/4 size cut piece followed by a corner block to build the corner.

Then stack 1 AB York and 1 AB Dublin block to where the bench will be located. This wall will finish with a 1/4 sized cut block that will meet up with first post block of the built in bench.

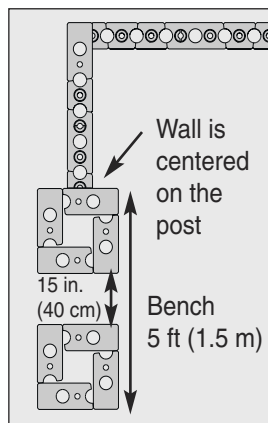


## Step 3 Build the Bench

Using the same step to build the first post of this layout, place 4 corner blocks with the long side facing out centered on the wall panel in the pattern chosen (see page 3). This will build the first post of the bench.

Measure out the spacing that will accommodate the bench material that will be used and install the next 4 corner blocks at this location to create the 2nd post of the bench. For this project we have a 5 ft (1.5 m) bench approx.

Install the 2nd course of both bench posts, alternating the patterns (see page 3) so the blocks are offset from the course below. Do not stack the blocks up using only one pattern (seams should not create a straight line the full height of the post/column).



1st block of panel



Ending at Corner



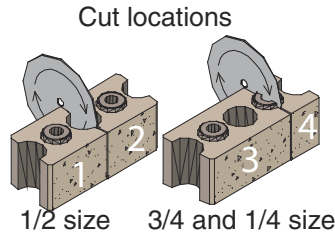
Build Corner



# Installation

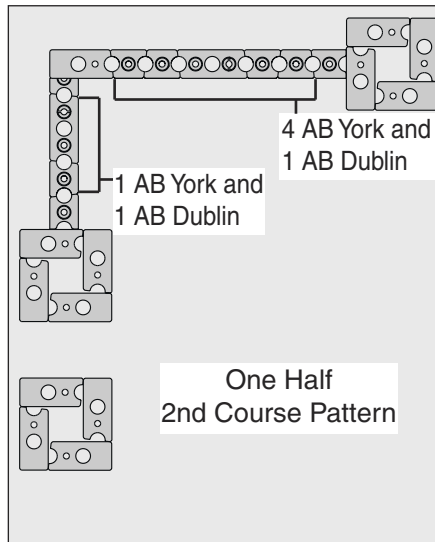
## Step 3 Wall Panel 2nd Course

To start the second course, cut another AB Dublin Block, this time in half. This will ensure the blocks line up properly and the seams are offset from the course below. Place the cut side against the side of the post. Then using the 2nd course pattern stack 4 AB York and 1 AB Dublin block to build this section. At the end, finish with a corner block.



Start the next wall section with a 1/4 sized cut AB Dublin block, with the cut side placed against the corner block. Then place 1 AB York and 1 AB Dublin block to the end of the wall section.

Finish with an AB Dublin that is cut in half to meet up with post block at the bench location.



1st Block of Second Course



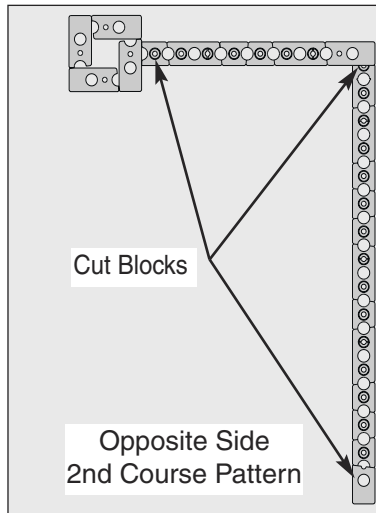
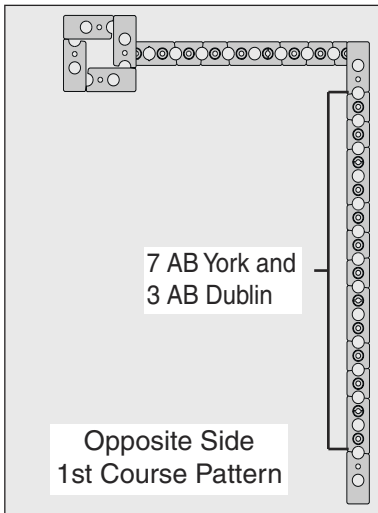
Build Corner



Build Corner

# Installation

To build the opposite side of this layout, follow Steps 1-3 to build the post and corner. In place of the bench, extend the wall panel to the end of the patio.

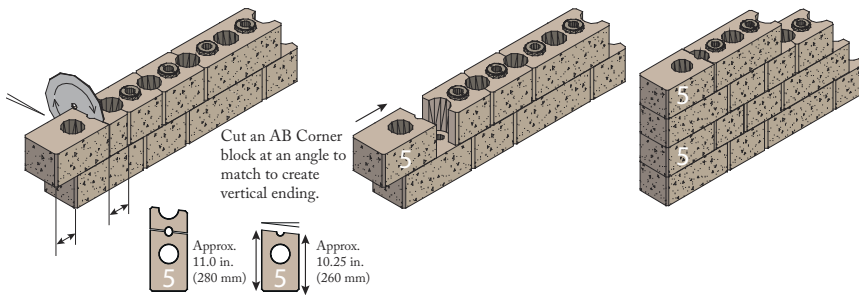


Finishing Second Course

From the corner block stack 7 AB York and 3 AB Dublin blocks to the end of the section. Finishing with a corner block.

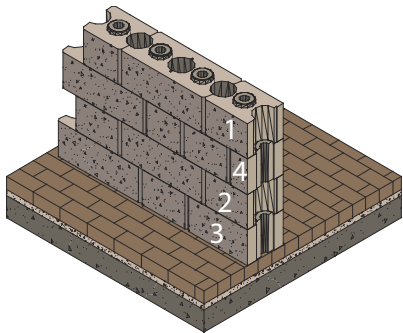
On the 2nd course a custom cut corner block will be needed to continue the vertical ending.

## Finishing with a Vertical End



Flat Finished End

Note: If the end of this wall will be meeting an existing structure like a house, place cut blocks to create a flat surface in place of corner blocks.



# Installation

## Step 4 Build up the Courses

With two courses of the wall panel in place, stack up 3 additional courses of corner blocks to raise the height on the posts. Install one additional course on the bench posts. Install each course with the long side facing out and the vertical seams offset from the course below.

Using the same layout from the 1st course pattern stack up a third course of the wall panel using cut blocks to meet up with the posts, to create corners and at the ends if meeting an existing structure.

## Step 5 Capping

Finish each post/column with two Post Caps. To secure the Post Caps in place, apply a bead of flexible concrete adhesive along the outside edge of the top course of Corner blocks and then set the Post Caps in place.

Finish each wall panel with Wall Caps. Starting at the corner place the two Wall Caps following the wall in the same direction. Use Corner caps where the side of the cap will be exposed.

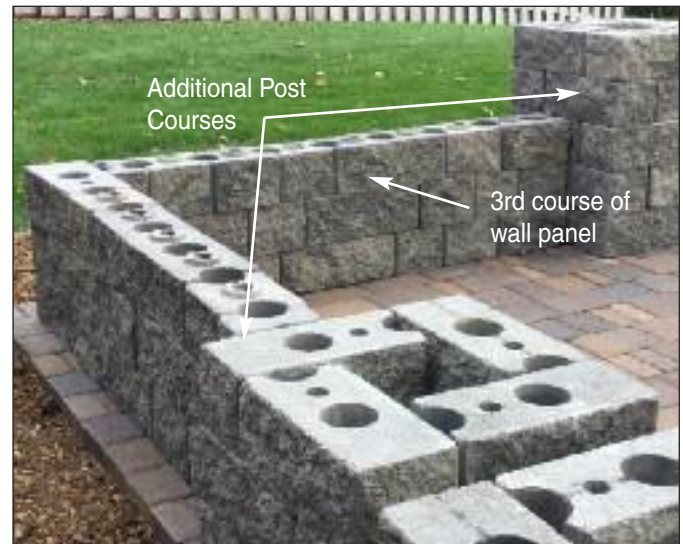
Place Wall Cap (A) with the long end facing the outside of the wall. Alternate the direction of the Wall Cap next to it for a straight wall.

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.

Where the Wall Cap meets the Posts, this block will need to be custom cut for the space and to create a flat side and a finished look.

Secure the Wall Caps in place with a bead of flexible concrete adhesive running along both sides of the raised rings of the top course of blocks and on the sides of each Wall Cap where the Wall Caps meet up with each other.

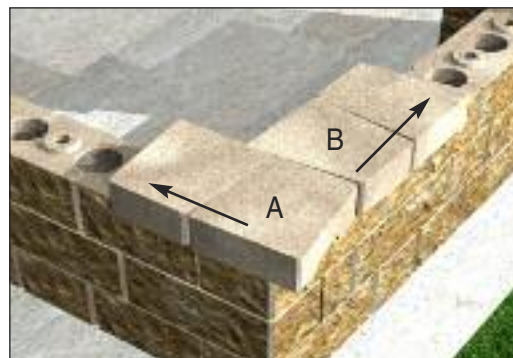
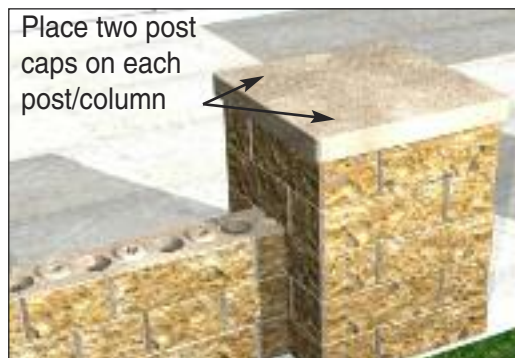
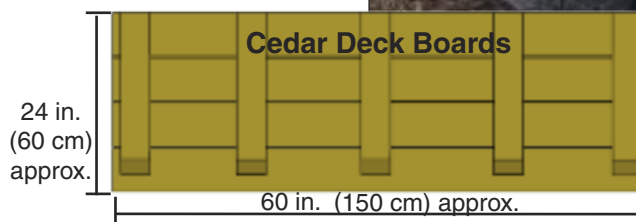
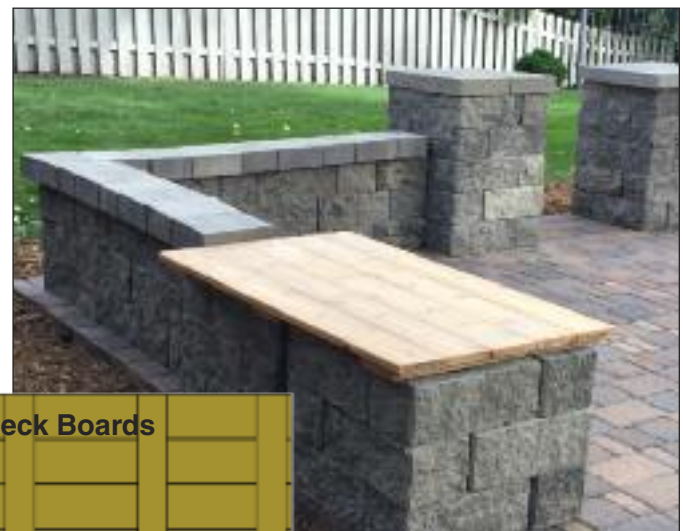
Install your selected bench seating material. We used cedar deck boards for the seating shown.



Corner Cap



Capping straight walls



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