Napa Patio Package Design

Watch the video here

Create a versatile outdoor room using the AB Courtyard Collection from Allan Block. The Napa package offers a large open entertaining area, with an open side for easy access drawing in family and friends. Easily create a space for year-round enjoyment.
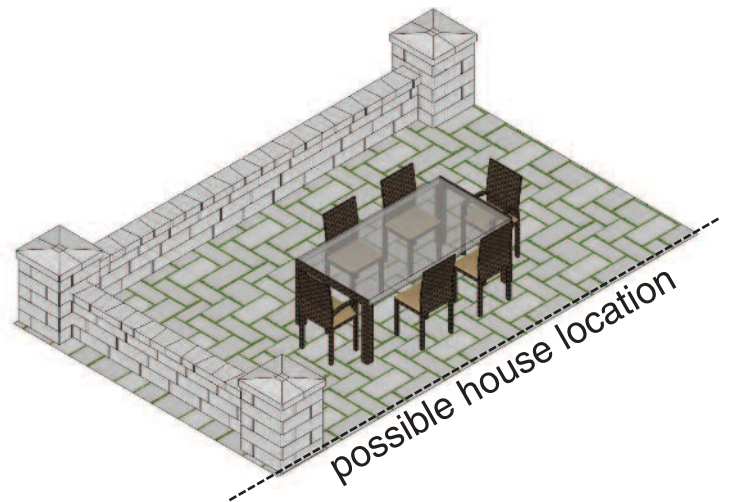
ALLAN BLOCK

allanblock.com

Provided are instructions to build the following:

Posts/Columns
Wall Panel Sections

Number of blocks needed for this project:

24 AB Dublin (TOTAL)
    2 AB Dublin cut in half
    4 AB Dublin cut at raised ring
48 AB York
60 Corner Blocks
32 Wall Caps
 6 Post Caps
Flexible Concrete Adhesive

possible house location

This project is being built on a paver patio that is 12 ft x 19 ft and is 228 ft² (3.6 m by 5.8 m and 21 m²) For information on building the paver patio, see ICPI.org.

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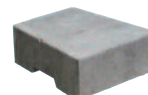
Blocks used in this project.

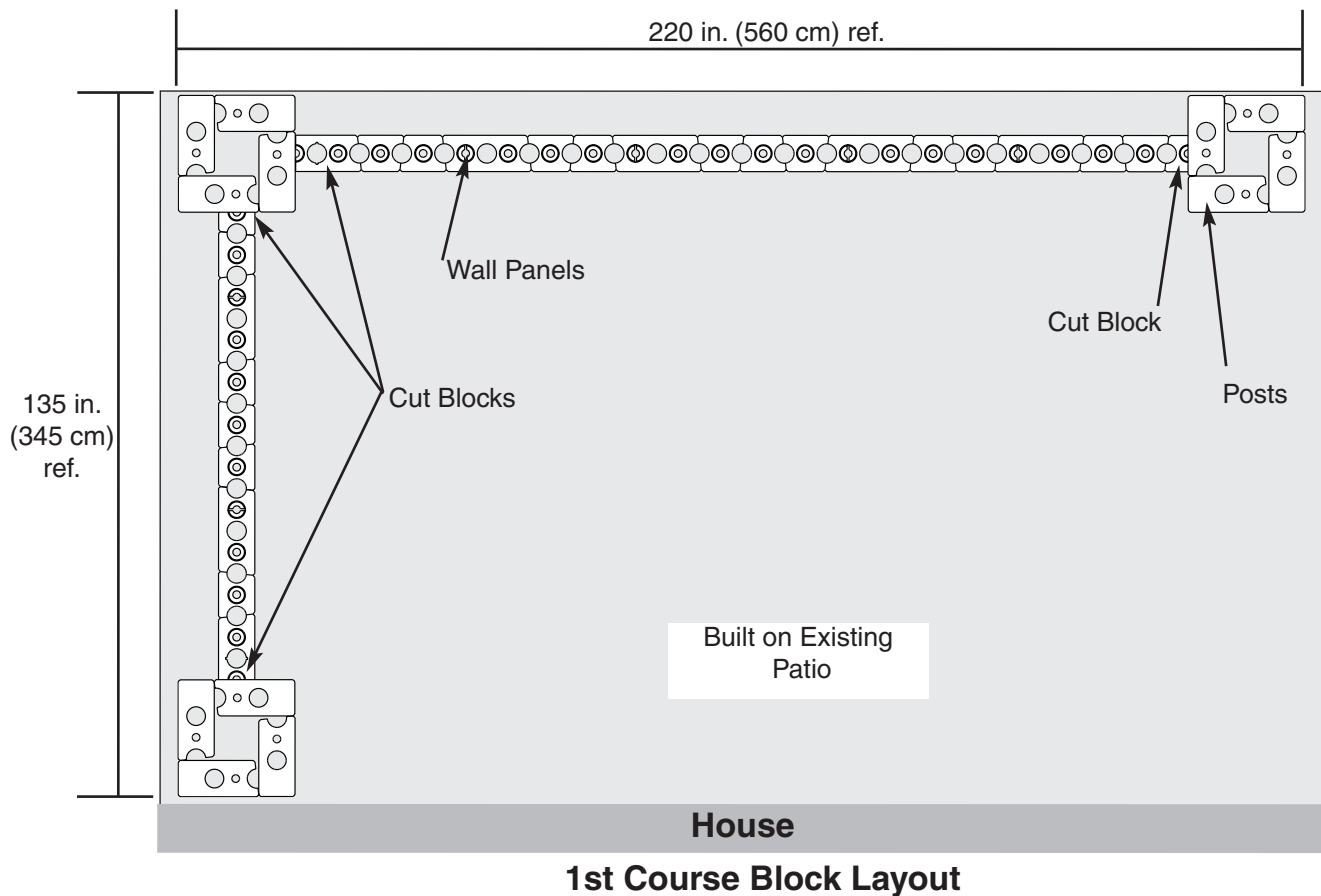| AB Dublin Block	AB York Block	Corner Block	Wall Cap	Post Cap

For a complete library of AB Courtyard Collection How-to sheets and videos visit allanblock.com.

Installation

Building the Napa package will require cutting some blocks. See the Reference Guide for Building with AB Courtyard and How-To Sheet #210 for more detailed information.
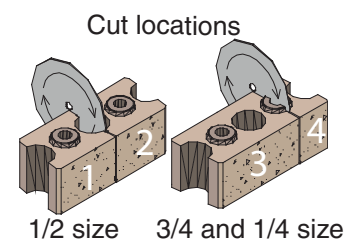
This project will easily fit in a 12 ft by 19 ft space (3.6 m by 5.8 m). These basic instructions can be modified to fit a different patio size by extending or shortening the wall panel sections. This layout is designed to be built right out from a house. The dimensions (ref.) are to give an overall scope of the project only.

220 in. (560 cm) ref.

Wall Panels

Cut Block

Cut Blocks

Posts

135 in. (345 cm) ref.

Built on Existing Patio

House

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.
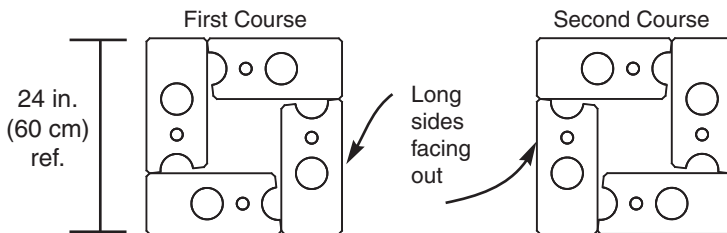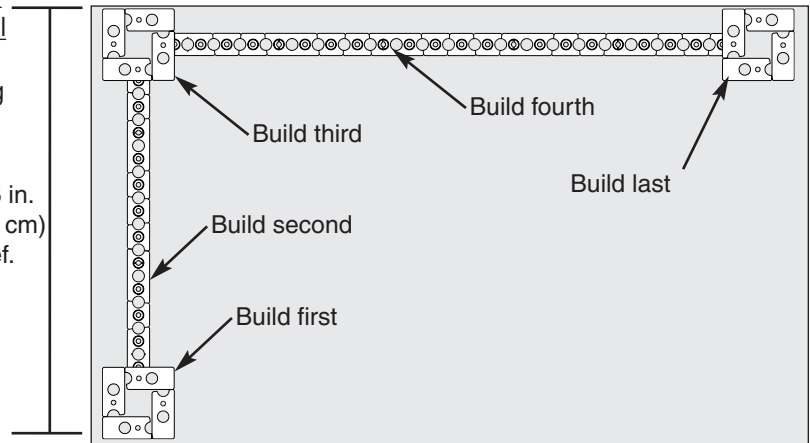
Cut locations

1/2 size   3/4 and 1/4 size

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Installation

Step 1   Install First Post

Start by locating the placement of the first post. The place-ment of the additional posts can only be done once the wall panels leading up to them are installed. The wall panels will determine their location. This will ensure custom cutting of all blocks does not occur.

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.

135 in.
(345 cm)
ref.

Build third
Build fourth
Build last
Build second
Build first

First Course

Second Course

24 in.
(60 cm)
ref.

Long sides facing out

Install the second course of the post. 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.

NOTE: The additional posts as part of this layout cannot be built until the wall panel leading up to them has been built. The wall panel will determine where the next posts will be installed.   Building in this order will ensure every block meeting up with the post will not need to be custom cut.
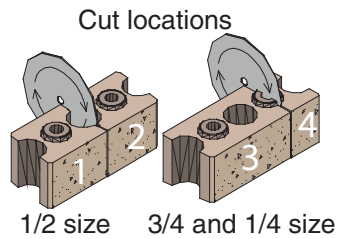

First Post Course

Offset the vertical seams

Second Post Course
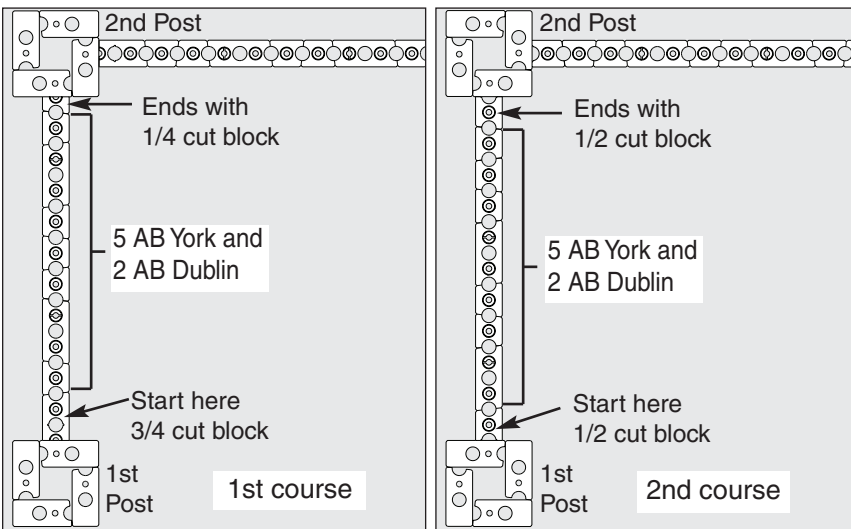
Installation

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 the wall panel, cut an AB Dublin at the raised ring to create a 3/4 and 1/4 size cut piece. Install the 3/4 sized block centered on the post with the cut side facing the post to create a finished look.

Stack 5 AB Yorks and 2 AB Dublin blocks in the pattern selected. Finish the wall panel with the 1/4 size cut block. Place the cut side facing out.

Cut locations

1/2 size   3/4 and 1/4 size

2nd Post
Ends with 1/4 cut block
5 AB York and 2 AB Dublin
Start here 3/4 cut block
1st Post
1st course

2nd Post
Ends with 1/2 cut block
5 AB York and 2 AB Dublin
Start here 1/2 cut block
1st Post
2nd course

The 2nd post will now be built at the end of the wall panel. Using 4 Corner blocks install the first course of the post/column with the long sides facing out centered on the wall panel as was done in Step 1. Then align them with a square making adjustments as needed.

Install the second course of the post, offsetting the vertical seams from the course below.

Install the second course of the wall panel between the first and second posts. 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 or the pattern chosen, stack 5 AB York and 2 AB Dublin blocks to build this section.

Finish with another 1/2 size cut block with the cut side against the 2nd post. Make adjustments as needed to ensure the blocks meet up tight and have a clean finish at the posts.
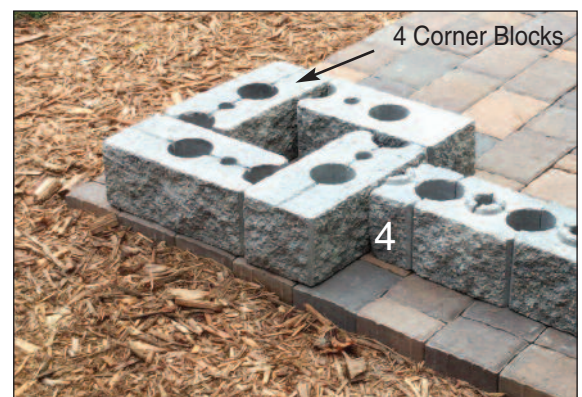

AB Dublin 3/4 size cut block
Install cut block to start wall panel

Build wall panel

AB Dublin 1/4 size cut block
Place a cut block at next post location

4 Corner Blocks
Place a cut block at next post location

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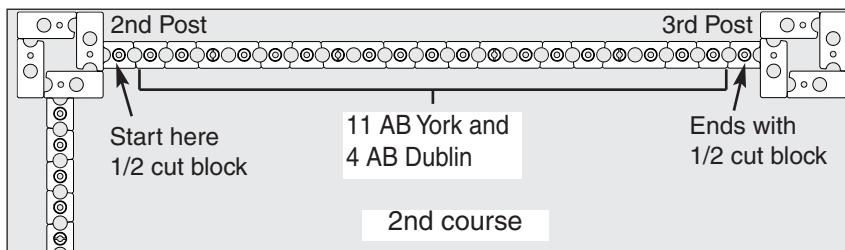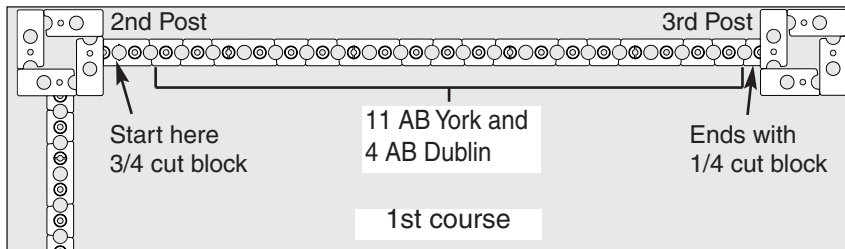
Installation

Step 3   Wall Panel and 3rd Post on the Back Wall

Using the same process as Step 2, build the back wall. Start with a 3/4 sized cut AB Dublin block, with the cut side placed centered against the post. Then place 11 AB York and 4 AB Dublin in the pattern below or one chosen. At the end, place the 1/4 sized cut block, with the cut side facing out to meet up with the 3rd post location.

2nd Post		3rd Post
Start here 3/4 cut block	11 AB York and 4 AB Dublin	Ends with 1/4 cut block

1st course

2nd Post		3rd Post
Start here 1/2 cut block	11 AB York and 4 AB Dublin	Ends with 1/2 cut block

2nd course

Second Course Wall Panel

The 3rd post will now be built at the of the wall panel. Using 4 Corner blocks install the first course of the post/column with the long sides facing out centered on the wall panel as was done in Step 1. Then align them with a square making adjustments as needed.

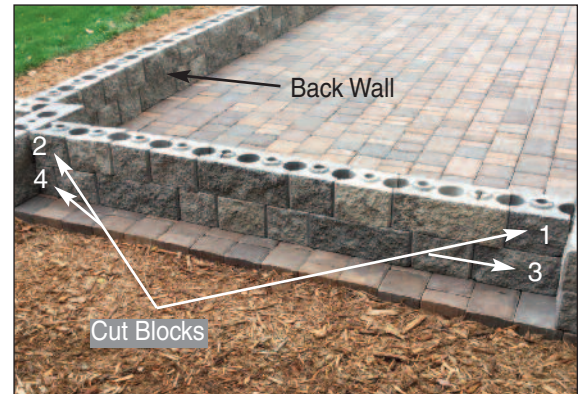Install the second course of the post offsetting the vertical seams from the course below.

Install the second course of the wall panel between the second and third posts. Cut another AB Dublin Block, this time in half. Place the cut side against the side of the post.   Then using the 2nd course pattern or the pattern chosen, stack 11 AB York and 4 AB Dublin blocks to build this section.

Install Additional Post Courses

Finish with another 1/2 size cut block with the cut side against the 3rd post. Make adjustments as needed to ensure the blocks meet up tight and have a clean finish at the posts.

Step 4   Build up the Courses

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

Using the same process, stack the 3rd course of the wall panels in the pattern chosen. Start with a cut block and finish with a cut block. This example uses the same layout as pattern 1 with the cut blocks placed on opposite ends.

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Installation

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 one post and working along the wall. At each post location a wall cap may need to be custom cut to fit the space and to create a flat side for a finished look.

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

See How-to sheet #210 for more information on cutting blocks and caps.

Capping straight walls

Place two Post Caps on each post/column

Custom cut Wall Cap

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