

Espresso Patio Package Design

Patio Package I - Espresso

How-to sheet #540

Page 1



[Watch the video here](#)



Create a versatile outdoor room using the AB Courtyard Collection from Allan Block. The Espresso package will become an extension of your kitchen and dining area. Enjoy family gatherings more with extra space and an upgraded cooking experience.

allanblock.com

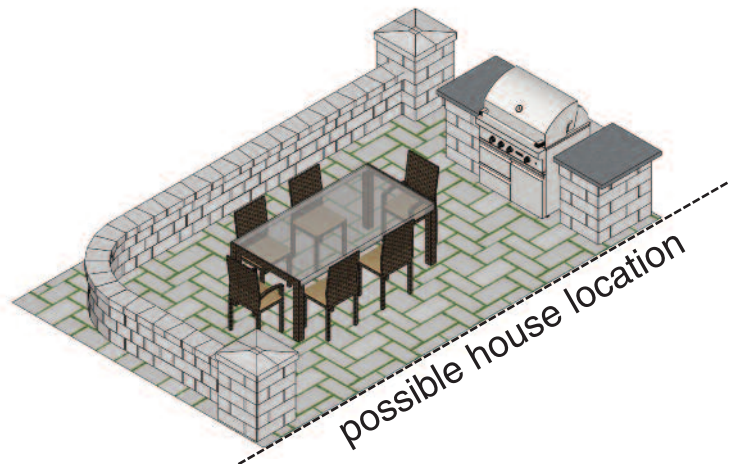
Provided are instructions to build the following:

- Posts/Columns
- Wall Panel Section
- Grill Surround Element

Number of blocks needed for this project:

- 25 AB Dublin (TOTAL)
 - 3 AB Dublin cut in half
 - 6 AB Dublin cut at raised ring
- 90 AB York
- 82 Corner Blocks
- 39 Wall Caps
- 4 Post Caps
- 2 Outdoor Countertop Materials
 - 2 - 24 in. x 32 in. (60 cm x 80 cm)
- Flexible Concrete Adhesive

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 ft² (3.6 m by 5.8 m and 21 m²) For information on building the paver patio, see ICPI.org.

Blocks used in this project.

AB Dublin Block



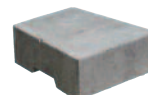
AB York Block



Corner Block



Wall Cap



Post Cap

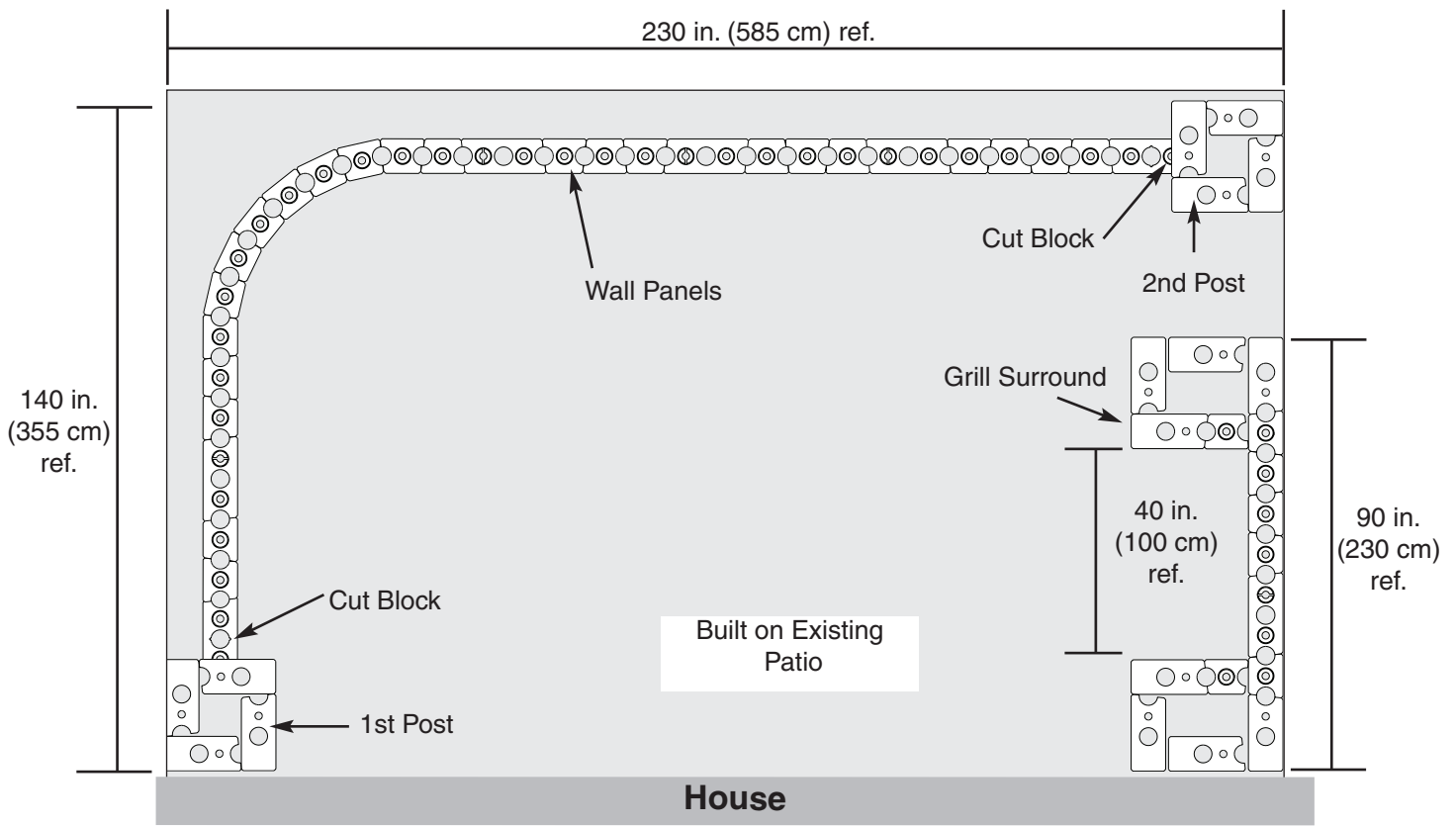


For a complete library of AB Courtyard Collection [How-to sheets](#) and [videos](#) visit allanblock.com.

Installation

Building the Espresso 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 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.

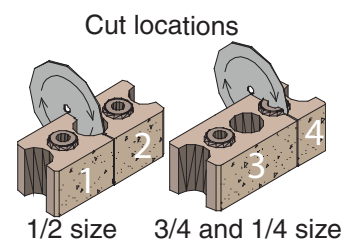


1st Course Block Layout

Some of the tools you will need:

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

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

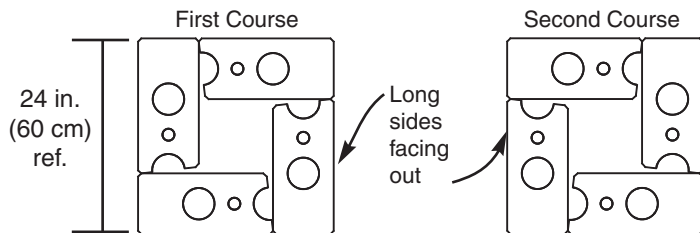


Installation

Step 1 Install First Post

Start by locating the placement of the first post. The placement 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.

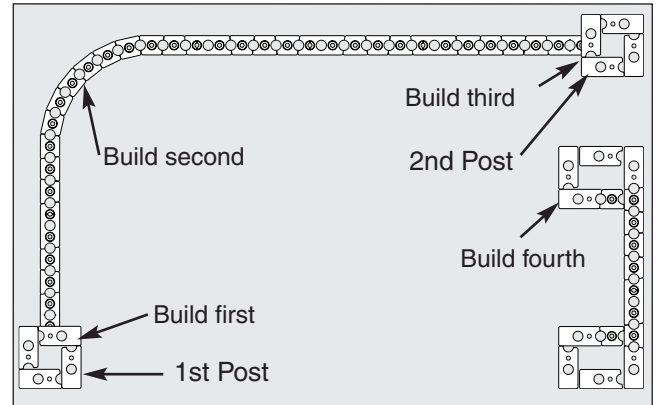
Install the first course of the post/column with 4 Corner blocks with the long sides facing out. Then align them with a square making adjustments as needed. Shims can be used to help level the blocks if the existing surface is not level.



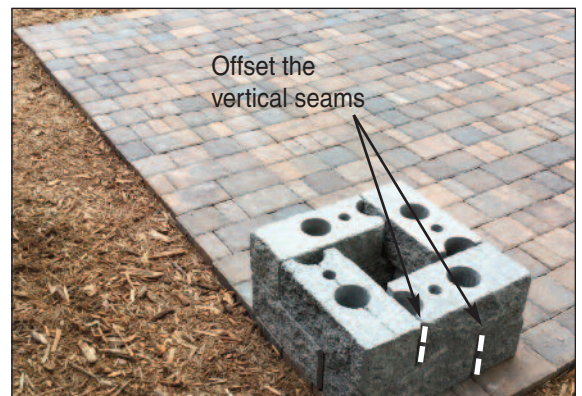
Install the second course of the post. Place the Corner blocks so that they overlap the blocks beneath them. This pattern will offset the vertical seams.

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



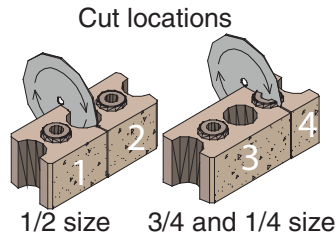
Second Post Course

Installation

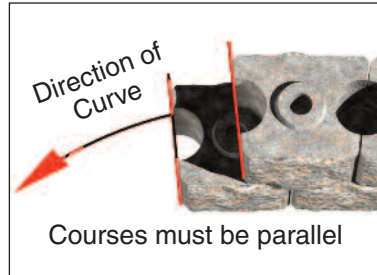
Step 2 Wall Panel and 2nd Post

When stacking wall panel sections, building the first 2 courses at the same time will help with proper alignment.

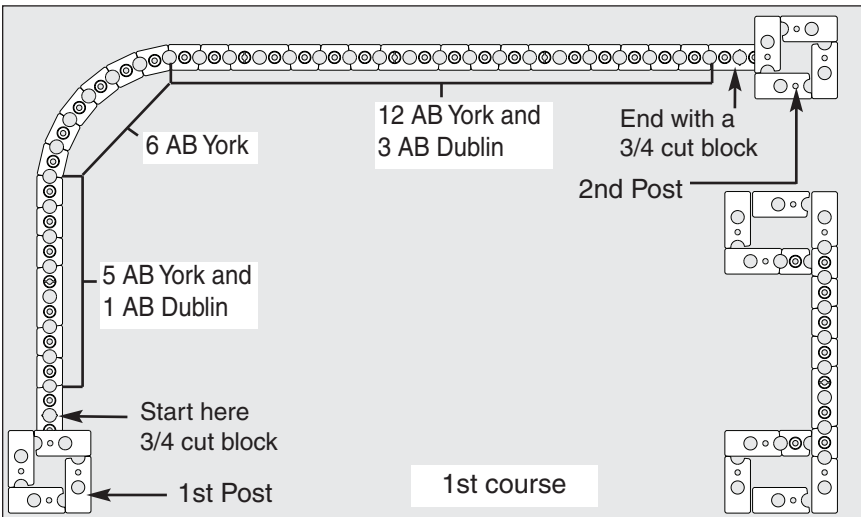
To start the wall panel, cut an AB Dublin at the raised ring to create a 3/4 and 1/4 size cut piece. Install the 3/4 sized block centered on the post with the cut side facing the post to create a finished look.



Then install 5 AB Yorks and 1 AB Dublin block in the pattern selected to create a straight wall prior to the start of the curve. Before beginning the curve check to make sure that the course will be angled correctly. The block needs to be angled toward the direction of the curve.



If the block to start the curve is angled the opposite direction, remove this block and slide the entire course over one block to correct to the proper angle. At the start of this section choose a different angled cut block or flip the cut block upside down. Another option is to remove another block that allows enough space to replace with an AB Dublin. See the [Courtyard Reference Guide](#) for additional options.



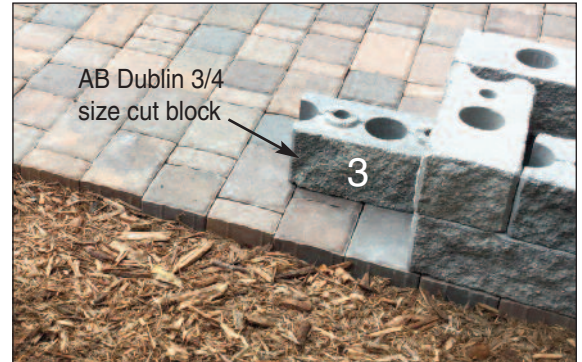
For the curve, install 6 AB York blocks with the long side of the block facing the outside of the curve.

At the end of the curve, place 12 AB York blocks and 3 AB Dublin blocks in the pattern selected or shown above to build the next straight section. At the end of this section, place another 3/4 cut block with the cut side facing out. This is where then 2nd post will be placed.

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

Install the 2nd course of the 2nd post, offsetting the vertical seams from the course below.

For a complete library of AB Courtyard Collection [How-to sheets](#) and [videos](#) visit allanblock.com.



Install cut block to start wall panel



Build the curve



Place a cut block at next post location

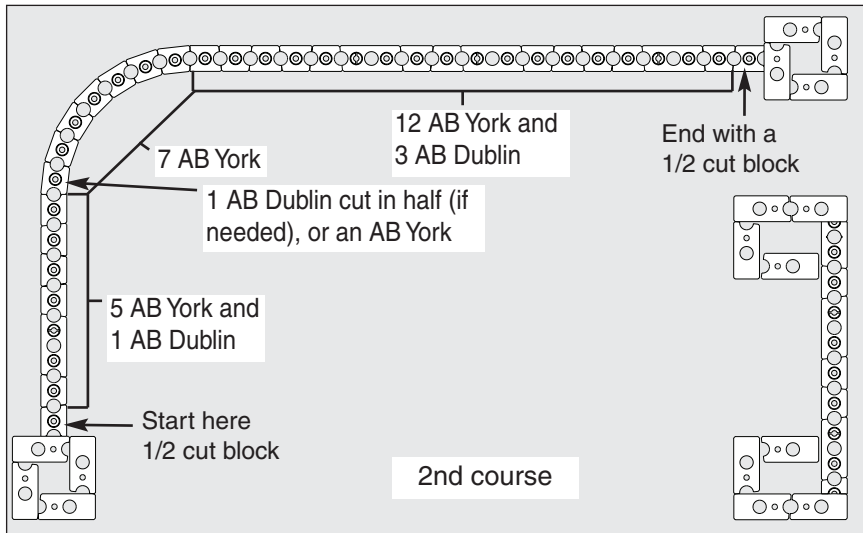


Place a cut block at next post location

Installation

Step 3 Additional Courses

Using the same process as Step 2, build the 2nd course of the wall panel. Start with a 1/2 sized cut AB Dublin block, with the cut side placed centered against the post. Then place AB York and AB Dublin blocks in the pattern below or one chosen that follows the wall panel of the first course.



Second Course Wall Panel



Install Additional Post Courses

At the start of the curved section, check to ensure the angle is correct when starting the curve. If the block to start the curve is angled the opposite direction, remove this block and slide the entire course over one block to correct to the proper angle. At the start of this section choose a different angled cut block. Another option is to remove another block that allows enough space to replace with an AB Dublin. See the [Courtyard Reference Guide](#) for additional options.

At the end of the wall panel, place another 1/2 sized cut block, with the cut side facing out to meet up with the 2nd post location.

Step 4 Build up the Courses

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

Next, stack the 3rd course of the wall panel in the pattern chosen or to match the 1st course. Start with a cut block and finish with a cut block.



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.

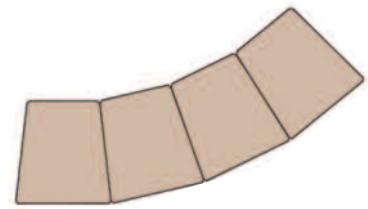
Finish each wall panel with Wall Caps. Starting at one post and working along the wall. At the 2nd post location a wall cap may need to be custom cut to fit the space and to create a flat side for a finished look.

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

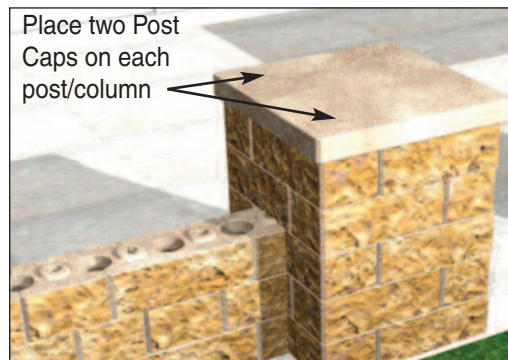
See [How-to sheet #210](#) for more information on cutting blocks and caps.



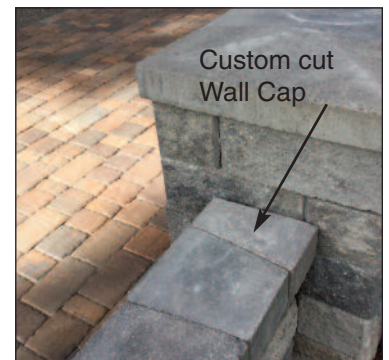
Capping straight walls



Capping curved walls



Place two Post Caps on each post/column

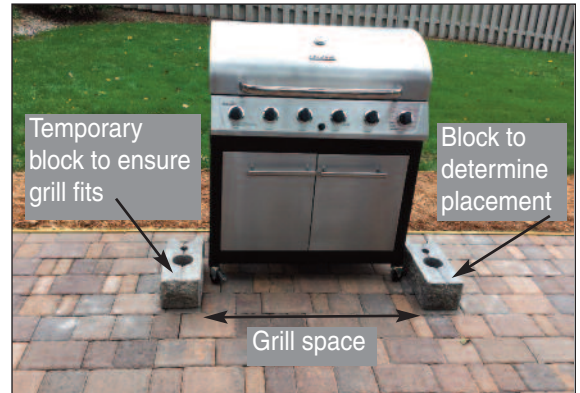
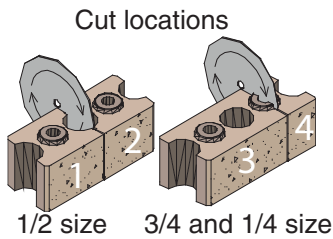


Custom cut Wall Cap

Installation

Step 5 BBQ Grilling Station

The dimensions of this BBQ grilling station in this example are 33 in. H x 30 in. D x 90 in. W (85 cm H x 75 cm D x 230 cm W) using a 40 in. (100 cm) wide grill. To accommodate a different grill size, simply add or remove an AB York block on every course in the back wall panel section. Each AB York block will adjust the length of the back panel by approx 8 in. (20 cm).

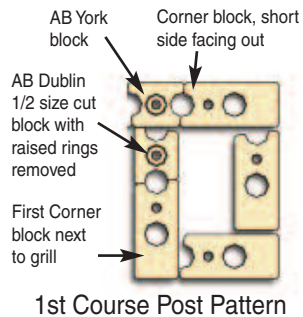


Determine Grill Placement

Step 6 Build the First Post/Column

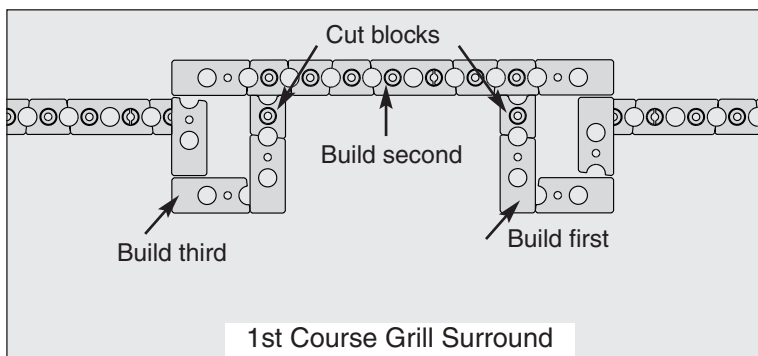
Mark out the location of your grilling station. Measure a 90 in. (230 cm) space where the BBQ grilling station will be constructed. Place the grill in the middle of the space and set a Corner block to mark the location of the first grill post.

Using the pattern shown, using the first Corner block next to the grill, place 3 more Corner blocks, with one that has the short side facing out, then place an AB York block. To finish the post pattern, cut an AB Dublin in half to create two 1/2 size cut pieces. Using a hammer and chisel, remove the raised rings and place one of the cut pieces with the cut side against the corner block. This will provide a flat surface for the next course of blocks.



1st Grill Post

Use a square to line up the blocks to ensure your post/column is square. The patterns shown for these larger posts will be the same for both sides, just reversed.



Back Grill Surround Panel

Step 7 Build the Wall Panel and 2nd post

From the AB York at the back of the 1st post, install 1 AB Dublin and more 3 AB Yorks to build the wall panel to the location of the 2nd post and opposite side of the grill surround. Finish with an AB York and a Corner block to start the pattern of the 2nd post.

Using the same pattern as the 1st post install 3 more Corner blocks and 1 AB York and an AB Dublin 1/2 size cut piece with the raised ring removed. One of the Corner blocks will be the temporary block placed to ensure the proper opening for the grill is maintained. Slide this block in place, this may allow a slightly larger opening for the grill. If the block needs to be altered to move toward the grill space, another block will need to be added to the back panel to make the surround larger.



2nd Grill Post

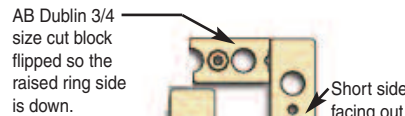
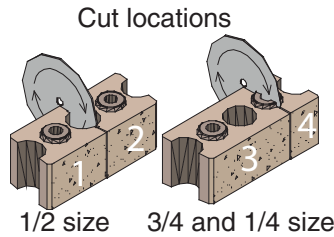
Installation

Step 8 Build the 2nd Course

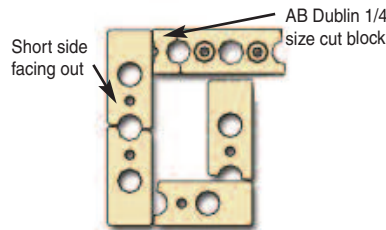
On the second course, place 4 Corner blocks so that they offset the blocks beneath them. For the last block in the post pattern and to start the wall panel, cut an AB Dublin at the raised ring to create a 3/4 and 1/4 size cut piece. Install the 3/4 sized block with the cut side against the Corner block and flipped upside down so raised ring is down. Follow with an AB Dublin block to finish the right Post on the 2nd course.

Build the back panel with 3 AB York and 1 AB Dublin block.

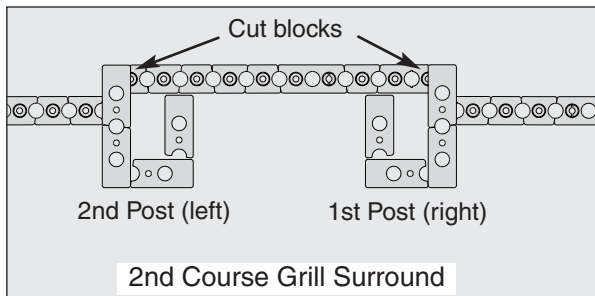
Next to finish the panel and start the pattern of the 2nd post, place the 3/4 size cut AB Dublin piece. Cut side facing out. Then install 4 AB Corner blocks so that they offset the blocks beneath them.



2nd Course Post Pattern - Right Post



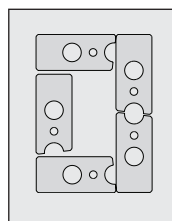
2nd Course Post Pattern - Left Post



Step 9 Additional Courses

By using the same patterns that were used for the 1st and 2nd courses, install the next two courses in the same steps.

For the top course, only the posts will increase one more course. Install 5 Corner blocks to cover the entire post area, offsetting the blocks from the course below. The wall panel section will be installed 1 block course less to allow for movement of the grill hood.



Top Course Grill Surround



1st Grill Post 2nd Course



2nd Grill Post 2nd Course



Completed 2nd Course



Repeat Course Patterns

Installation

Step 10 Capping

Finish the wall panel with Wall Caps. Starting at one post and working along the wall. At the 2nd 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.



Install Wall Caps

Choose a countertop material to fit your design. Set your countertops in place and check for level. Shims may be used if adjustments are necessary. Secure the countertops in place with flexible concrete adhesive, move the grill into place.



Completed Grill Surround