

Courtyard
Collection™

Adding Strength To The Wall

Techniques for adding stability when building tall wall panels.

The Courtyard Collection is designed to let you build a variety of wall types. For taller walls you may find it desirable to add reinforcement to increase the stability of your walls. The 4 options below to show how this can be achieved.



Install pipe as often as needed to achieve the stability you desire.

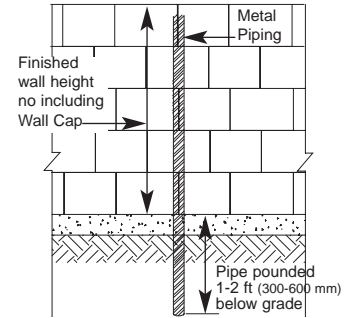
Adding Strength With Metal Pipes

Option 1:

Adding metal posts within your wall panels will provide hidden reinforcement and resistance to overturning. The pipe adds overturning stability to the wall.

You will need:

- 1 3/8 in. or smaller metal piping (like that used for the horizontal pipe in chain link fences)
- Large diameter pipe cutter
- Small sledge hammer or fence post driver



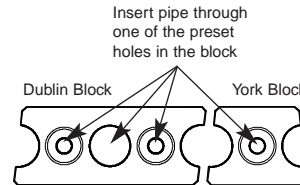
Step 1: Plan - Measure

Determine the length of the metal pipe by adding the height of the wall - not including the cap - and approximately 1-2 feet (300-600 mm) additional for the amount of pipe that will be pounded into the ground below.



Step 2: Place Pipe

After cutting the pipe to the appropriate length, slide the metal pipe down through the hole in the top course of wall blocks. Remove the top course of blocks as you drive the pipe to its desired depth. This provides room for the pipe to be driven into the ground.



Step 3: Drive Pipe

Pound the pipe into the ground using your sledge hammer or fence post driver approximately 1-2 feet (300-600 mm) deep or until desired stability is achieved.



Adding Strength To The Wall With Adhesive

Option 2:

Securing the caps and top course of the wall together with masonry adhesive increases the stability of the wall. Secure the Wall Caps in place with a bead of masonry adhesive along both sides of the raised rings and along the side of each Wall Cap.



allanblock.com

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

Adding Strength To The Wall

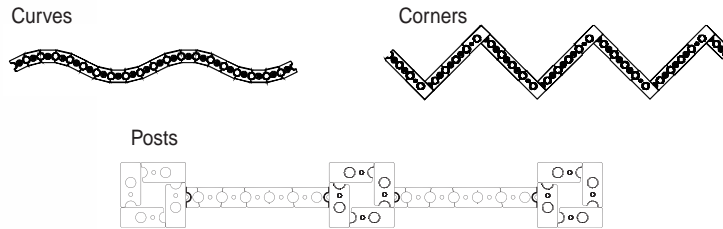
Techniques for adding stability when building tall wall panels.

Incorporating Curves, Corners or Posts

Option 3:

Designing curves, corners or posts into the wall panels will add additional stability to the wall panel without any added steps.

See How-to sheets #130, #180 or #220.



Interlocking the Panels into the Posts

Option 4:

Use Corner Blocks to tie the wall panels into the posts structures, by placing a Corner Block half on the wall panel and half within the post. This will interlock them together adding stability to the wall panel.

See How-to sheet #230.

