

Atlantis®
GREEN CITIES FOR LIFE

Sunshine Coast Residence

Project Location

Sunshine Coast, Queensland, Australia

Atlantis Application

Vertical Garden

Project Overview

Completed in May 2013, this residential project on Queensland's Sunshine Coast incorporated two separate vertical gardens using the Atlantis Gro-Wall® 4.5 system. The installation was completed by Plants Direct QLD, with both walls planted in a patterned arrangement.

A defining aspect of the installation was the geometry of the two vertical gardens. Rather than terminating with conventional vertical ends, each wall incorporated a staggered end profile. The adjacent supporting walls were curved to follow the increasing height of these staggered ends, integrating the vertical garden configuration with the surrounding residential architecture.

Technical Summary

Project	Sunshine Coast Residence
Location	Sunshine Coast, Queensland, Australia
Application	Vertical Garden
Completion	May 2013
Size	--
Surface Use	Residential vertical walls
Atlantis System	Gro-Wall® 4.5

Design Challenge

The project required the integration of two large vertical gardens within a residential property, with the planting arranged to create a deliberate patterned effect rather than a uniform planted surface.

The principal design characteristic was the treatment of the wall ends. Each vertical garden required a staggered end rather than a standard vertical termination, creating a progressive change in wall height. The adjacent supporting walls were therefore curved to follow this increasing height, requiring the Gro-Wall® 4.5 installation and supporting architecture to respond to the same stepped geometry.

01 Create two separate vertical gardens within the residential property.

02 Use the Atlantis Gro-Wall® 4.5 system.

03 Establish a patterned planting arrangement across the vertical gardens.

04 Incorporate staggered ends rather than conventional vertical terminations.

05 Coordinate the changing wall height with curved adjacent supporting walls.

Solution

The project incorporated Atlantis Gro-Wall® 4.5 to form two separate vertical gardens within the Sunshine Coast residence. Both walls were planted with a patterned arrangement to establish the required landscape treatment.

The ends of each Gro-Wall® installation were configured in a staggered profile, progressively increasing in height rather than terminating vertically. The supporting walls adjacent to these staggered ends were curved to follow the same increase in height, integrating the vertical garden geometry with the surrounding built form.

The supporting walls were finished in white, contrasting with the black plastic components of the Gro-Wall® 4.5 system.

Benefits

- Two separate vertical gardens incorporated within the residential property.
- Gro-Wall® 4.5 configured with staggered end profiles rather than standard vertical ends.
- Curved supporting walls coordinated with the progressive increase in wall height.
- Patterned planting incorporated across both vertical gardens.
- White supporting walls provided a contrasting architectural finish against the black Gro-Wall® components.

Considerations

The Gro-Wall® 4.5 installation required coordination between the vertical garden configuration and the geometry of the adjacent supporting walls. Each vertical garden incorporated a staggered end, while the supporting wall beside each termination was curved to follow the progressive increase in height.

The project comprised two separate vertical garden installations, both completed within the residential property by Plants Direct QLD.

Project Outcomes

- Two separate Atlantis Gro-Wall® 4.5 vertical gardens installed within the Sunshine Coast residence.
- Both vertical gardens incorporated a patterned planting arrangement.
- Staggered end profiles incorporated into each wall.
- Adjacent supporting walls curved to follow the increasing height of the staggered ends.
- Gro-Wall® 4.5 installation completed in May 2013.

The technically distinctive aspect of the project was the integration of the staggered Gro-Wall® 4.5 end profiles with the geometry of the adjacent supporting walls. Rather than using conventional vertical terminations, the two installations progressively increased in height, with the supporting walls curved to follow the same profile.

Did You Know?

Both Gro-Wall® 4 vertical gardens were designed with staggered ends rather than standard vertical terminations, with the adjacent supporting walls curved to follow the increasing height of each end.













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Thank You For Your Attention



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