



# PRE-CAST CONCRETE PRIVACY WALL

New Age Construction Technique



# Overview

- A C Pre-Cast Concrete Privacy Wall is an architectural pre-cast wall-column construction system
- This product is primarily used as a compound wall system
- It is a quick, aesthetic, secure, weather resistant and affordable solution



## Features & Benefits

- Designed and produced using proprietary technology, our wall-column systems are manufactured using high strength concrete in controlled conditions
- Quick and easy installation — about 108 linear feet (32.9 m) per day
- Requires no plastering or surface preparation — can be directly painted to suit the customer's choice
- Available in 8 foot high (2.44 m) configuration for optimal privacy and security
- No cracking, breakage or shrinkage after installation — as the walls are made of concrete with two expansion joints per span

## Features & Benefits

- Strong structural configuration — use of high grade concrete allows for reduced thickness and increased efficiency
- Can be used as a sound reducing barrier against road vehicle noise
- All weather resistant and earthquake resistant — unaffected by heat, dampness
- Cost effective — with less man power
- As the columns are Hollow-Core, light poles or electric security fences can be easily fixed on to the wall column system
- Environment Friendly — manufacturing is a ZERO wastage process therefore no harmful effluents or pollution

# Applications

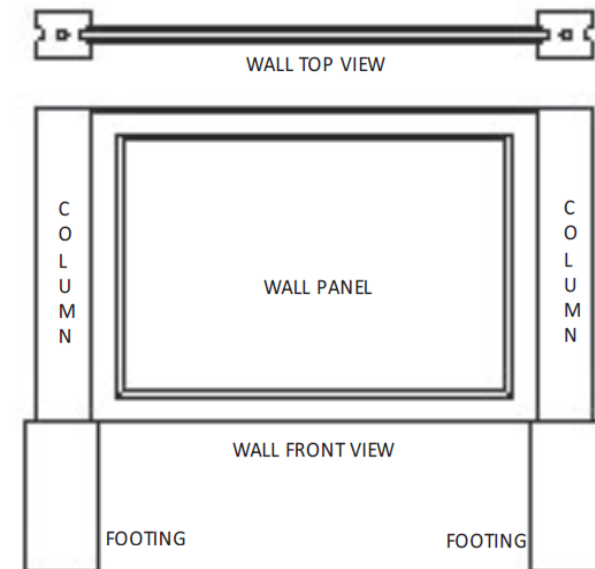
- A C Pre-Cast Concrete Privacy Walls are suitable for use as boundary/perimeter/privacy/security walls and as noise reducing barriers on the road side in industrial or residential areas
- These walls are currently used by industrial plants, warehouses, parks, gated communities/housing societies, commercial and educational establishments





# Specifications

- Size of Panel: 2440mm x 3810mm x (52-100 mm)
- Size of Hollow Core Column: 460mm (frontage) x 380mm
- Size of Footing: As per soil condition (standard  $\phi$  460mm x 1000mm)
- Walls and Columns are manufactured in a controlled environment using concrete grade M30



# Specifications

- Stone finish can also be incorporated in the wall
- Provision for light poles or electric security fence to be fixed in the column core is available



# Problems with Conventional Walls

Conventional Block Masonry Walls are prone to failures due to :

- Poor build quality
- Changes in the soil setting over time affecting linked foundations
- Poor quality and relatively short life span of blocks
- Improper bonding between wall and columns leading to separation gaps and cracks



# Problems with Conventional Walls

- Corner sinking – staircase cracks
- Dampness due to water absorption
- Requirement of frequent labour intensive maintenance – for upkeep of structure and aesthetics
- Relative ease to dismantle and remove
- Linked structure – causing failure of entire spans



# Problems With Other Pre-Cast Wall Systems

- Typically only 'light fencing wall' rather than 'permanent solid wall'
- Security Issues – light weight slabs can be carried away by intruders
- Weak structure – typically GI wire or lightly reinforced; can be broken by less force
- Appearance relatively not impressive compared to block masonry or A C Pre-Cast Wall System
- Visible gaps between multiple slabs need to be sealed – labour intensive and spoils appearance





# Availability

Contact us to know more about how our product can be used to enhance the security, aesthetics and value of your project.

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